Canadian Intellectual Property Office
An Agency of Industry Canada

Office de la propriété intellectuelle du Canada
Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 148 No. 23 June 9, 2020

Vol. 148 No. 23 le 9 juin 2020

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

Table of Contents
Table des matières

Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (**www.wipo.int/scit/en/standards/standards.htm**).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (**www.wipo.int/scit/fr/standards/standards.htm**).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (**www.strategis.ic.gc.ca/patentsorder**) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (**www.strategis.ic.gc.ca/brevetscommande**) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences
Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences
Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act.* Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées
Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires
Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

None

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

Aucun

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1730***
For each additional sheet over 30	**$20**
3. International Search Fee	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 19 février 2019

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1730 $***
Pour chaque feuille au delà de 30	**20 $**
3. Taxe de recherche internationale	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$260**

6. Preliminary examination fee **$800**
(Rule 58)

* International fees will be reduced by:

- **$260** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$390** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **260 $**

6. Taxe d'examen préliminaire **800 $**
(Règle 58)

* Les frais seront réduits de:

- **260 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **390 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (**publications.mail@wipo.int**) or visit their Web site (**www.wipo.int**).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (**publications.mail@wipo.int**) ou visiter leur site Web (**www.wipo.int**).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html

Publication date: May 10, 2017
Amendment date: June 17, 2019

On this page:

14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html

Date de publication : 10 mai 2017
Date de modification : 17 juin 2019

Sur cette page :

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

1. Remise physique de correspondance et communications écrites à l'OPIC

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada
  C.D. Howe Building
  235 Queen Street, Room S-143
  Ottawa ON K1A 0H5
  Tel.: 343-291-3436

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  Sun Life Building
  1155 Metcalfe Street, Room 950
  Montreal QC H3B 2V6
  Tel.: 514-496-1797
  Toll-free: 1-888-237-3037

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  151 Yonge Street, 4th Floor
  Toronto ON M5C 2W7
  Tel.: 416-973-5000

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada
  Édifice C.D. Howe
  235, rue Queen, pièce S-143
  Ottawa (Ontario) K1A 0H5
  Tél. : 343-291-3436

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Édifice Sun Life
  1155, rue Metcalfe, bureau 950
  Montréal (Québec) H3B 2V6
  Tél. : 514-496-1797
  Sans frais : 1-888-237-3037

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  151, rue Yonge, 4e étage
  Toronto (Ontario) M5C 2W7
  Tél. : 416-973-5000

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à

except statutory holiday

- Innovation, Science and Economic Development Canada
  Canada Place
  9700 Jasper Avenue, Suite 725
  Edmonton AB T5J 4C3
  Tel.: 780-495-4782
  Toll-free: 1-800-461-2646

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

- Innovation, Science and Economic Development Canada
  Library Square
  300 West Georgia Street, Suite 2000
  Vancouver BC V6B 6E1
  Tel.: 604-666-5000

  8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays

l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Canada Place
  9700, avenue Jasper, pièce 725
  Edmonton (Alberta) T5J 4C3
  Tél. : 780-495-4782
  Sans frais : 1-800-461-2646

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada
  Library Square
  300, rue Georgia Ouest, pièce 2000
  Vancouver (C.-B.) V6B 6E1
  Tél. : 604-666-5000

  8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des établissements ou des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour ou l'OPIC l'a reçue (Heure de l'Est).

2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle **:** Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvénients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register of patent agents; and
- ordering copies in paper, or electronic form of a document.

Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- registration of a trademark application;

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the Trademarks Opposition Board's online web application:

Opposition proceedings before the Trademarks Opposition Board

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Section 45 proceedings before the Trademarks Opposition Board

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

:

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- l'enregistrement d'une marque de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'application web en ligne de la Commission des oppositions des marques de commerce.

Procédures d'opposition devant la Commission des oppositions des marques de commerce

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

Copyright

Droits d'auteur

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication;
- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Note: all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

2.3 Supports électroniques

Note : Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

Brevets

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

3. Details Concerning the Electronic Formats Accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

Marques de commerce

Pour l’application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la section 2.2 des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

Dessins industriels

Pour l’application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d’un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d’un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L’image numérisée/stockée devrait être dans une résolution d’au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

5. Prorogation des délais

- Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels
- Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés
- Prorogation des délais en vertu du le Traité de coopération en matière de brevets
- Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

Designated days are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

Prescribed days under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1er janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1er juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

**If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

**Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

***Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considéré avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou règlementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou règlementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé℠, ou par Xpresspost℠ de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the WIPO website.

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible sur le site web de l'OMPI.

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to service interruptions on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruptions des services, lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé[MC], par Xpresspost[MC] ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance. Il est toujours

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA[MC], Mastercard[MC] ou American Express[MC] ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets

- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

- Règlement d'exécution du PCT
- Loi sur les marques de commerce
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of June 9, 2020 contains applications open to public inspection from May 24, 2020 to May 30, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 9 juin 2020 contient les demandes disponibles au public pour consultation pour la période du 24 mai 2020 au 30 mai 2020.

16. Erratum

All information respecting patent application number 3,066,349 referred to under the section *PCT Applications Entering the National Phase* contained in the January 21, 2020 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3,066,349 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro 21 janvier 2020 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

June 9, 2020

Brevets canadiens délivrés

9 juin 2020

---

[11] **2,519,628**
[13] C
[51] **Int.Cl. G01N 21/05 (2006.01)**
[25] EN
[54] **ANALYTE CONCENTRATION DETECTION DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE DETECTION DE LA CONCENTRATION D'ANALYTES**
[72] ZANZUCCHI, PETER J., US
[72] DESAI, NITIN V., US
[72] MCBRIDE, STERLING E., US
[72] VARMA, BOBBY, US
[72] TSEKOUN, ALEXEI GUENNADIEVICH, US
[72] HO, WEN, US
[73] INTUITY MEDICAL, INC.,
[85] 2005-09-19
[86] 2004-03-24 (PCT/US2004/008798)
[87] (WO2004/085995)
[30] US (10/394,230) 2003-03-24
[30] US (60/456,961) 2003-03-25
[30] US (60/457,996) 2003-03-28

---

[11] **2,680,413**
[13] C
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **USE OF GELSOLIN TO DIAGNOSE AND TREAT RHEUMATOID ARTHRITIS**
[54] **UTILISATION DE GELSOLINES POUR DIAGNOSTIQUER ET TRAITER L'ARTHRITE RHUMATOIDE**
[72] STOSSEL, THOMAS P., US
[72] MAGNUSSON OSBORN, ANNA CHARLOTTA TERESIA, US
[72] TARKOWSKI, ANDREJ, SE
[73] THE BRIGHAM AND WOMEN'S HOSPITAL, INC.,
[85] 2009-09-09
[86] 2007-03-15 (PCT/US2007/006451)
[87] (WO2007/109056)
[30] US (60/782,508) 2006-03-15

---

[11] **2,703,259**
[13] C
[51] **Int.Cl. C07K 16/30 (2006.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) C07K 16/18 (2006.01) G01N 33/574 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **IDENTIFICATION OF TUMOR-ASSOCIATED MARKERS FOR DIAGNOSIS AND THERAPY**
[54] **IDENTIFICATION DE MARQUEURS ASSOCIES AUX TUMEURS A DES FINS DE DIAGNOSTIC ET DE THERAPIE**
[72] SAHIN, UGUR, DE
[72] TUERECI, OEZLEM, DE
[72] KOSLOWSKI, MICHAEL, DE
[73] JOHANNES GUTENBERG-UNIVERSITAET MAINZ,
[73] BIONTECH AG,
[85] 2010-04-21
[86] 2008-10-22 (PCT/EP2008/008924)
[87] (WO2009/053041)
[30] EP (EP07020730.3) 2007-10-23

---

[11] **2,704,858**
[13] C
[51] **Int.Cl. C12N 15/11 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR CONFERRING TOLERANCE TO VIRAL DISEASE IN SOCIAL INSECTS, AND THE USE THEREOF**
[54] **COMPOSITIONS POUR CONFERER UNE TOLERANCE A UNE MALADIE VIRALE DANS DES INSECTES SOCIAUX, ET LEUR UTILISATION**
[72] PALDI, NITZAN, IL
[72] YARDEN, GAL, IL
[73] BEEOLOGICS INC.,
[85] 2010-05-05
[86] 2008-11-03 (PCT/IL2008/001440)
[87] (WO2009/060429)
[30] US (60/996,244) 2007-11-07
[30] US (12/222,949) 2008-08-20

---

[11] **2,734,613**
[13] C
[51] **Int.Cl. G06K 9/60 (2006.01) G06K 9/20 (2006.01) H04W 88/02 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONTENT PROCESSING**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE CONTENU**
[72] RHOADS, GEOFFREY B., US
[72] RODRIGUEZ, TONY F., US
[72] LORD, JOHN D., US
[72] MACINTOSH, BRIAN T., US
[72] RHOADS, NICOLE, US
[72] CONWELL, WILLIAM Y., US
[73] DIGIMARC CORPORATION,
[85] 2011-02-17
[86] 2009-08-19 (PCT/US2009/054358)
[87] (WO2010/022185)
[30] US (61/090,083) 2008-08-19
[30] US (61/096,703) 2008-09-12
[30] US (61/100,643) 2008-09-26
[30] US (61/103,907) 2008-10-08
[30] US (61/110,490) 2008-10-31
[30] US (12/271,692) 2008-11-14
[30] US (61/169,266) 2009-04-14
[30] US (61/174,822) 2009-05-01
[30] US (61/176,739) 2009-05-08
[30] US (12/484,115) 2009-06-12
[30] US (12/498,709) 2009-07-07
[30] US (61/226,195) 2009-07-16
[30] US (61/234,542) 2009-08-17

---

[11] **2,738,781**
[13] C
[51] **Int.Cl. C12N 1/00 (2006.01)**
[25] EN
[54] **REDUCED COLONIZATION OF MICROBES AT THE MUCOSA**
[54] **COLONISATION REDUITE DE MICROBES AU NIVEAU DE LA MUQUEUSE**
[72] STEIDLER, LOTHAR, BE
[73] INTREXON ACTOBIOTICS NV,
[85] 2011-03-28
[86] 2009-09-29 (PCT/EP2009/062647)
[87] (WO2010/034844)
[30] EP (08105458.7) 2008-09-29

[11] **2,740,505**
[13] C
[51] **Int.Cl. B65G 1/16 (2006.01) B01L 3/00 (2006.01) B65D 81/00 (2006.01) G06Q 90/00 (2006.01)**
[25] EN
[54] **SAFE STORAGE OF HAZARDOUS MATERIALS (EHO 11205)**
[54] **STOCKAGE SANS DANGER DE MATIERES DANGEREUSES (EHO 11205)**
[72] WHITTY, PATRICK, CA
[73] WHITTY, PATRICK,
[86] (2740505)
[87] (2740505)
[22] 2011-05-26

[11] **2,742,968**
[13] C
[51] **Int.Cl. C40B 40/08 (2006.01)**
[25] EN
[54] **COMBINATORIAL ANTIBODY LIBRARIES AND USES THEREOF**
[54] **BIBLIOTHEQUES COMBINATOIRES D'ANTICORPS ET LEURS UTILISATIONS**
[72] SMIDER, VAUGHN, US
[72] GRAZIANO, JAMES, US
[72] MAO, HELEN HONGYUAN, US
[72] SONG, BYEONG DOO, US
[72] CHASE, TYSON, US
[72] BAZIRGAN, OMAR, US
[73] TAURUS BIOSCIENCES, LLC,
[85] 2011-05-06
[86] 2009-11-04 (PCT/US2009/063299)
[87] (WO2010/054007)
[30] US (61/198,764) 2008-11-07
[30] US (61/211,204) 2009-03-25

[11] **2,745,524**
[13] C
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/16 (2006.01) A61K 38/17 (2006.01) A61P 3/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07K 7/08 (2006.01) C07K 14/81 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CONJUGATES OF NEUROTENSIN OR NEUROTENSIN ANALOGS AND USES THEREOF**
[54] **CONJUGUES DE NEUROTENSINE OU D'ANALOGUES DE NEUROTENSINE ET LEURS APPLICATIONS**
[72] CASTAIGNE, JEAN-PAUL, CA
[72] CHE, CHRISTIAN, CA
[72] DEMEULE, MICHEL, CA
[72] GAGNON, CATHERINE, CA
[72] THIOT, CARINE, CA
[73] ANGIOCHEM INC.,
[85] 2011-06-02
[86] 2009-12-07 (PCT/CA2009/001779)
[87] (WO2010/063122)
[30] US (61/200,947) 2008-12-05
[30] US (61/181,144) 2009-05-26
[30] US (61/225,486) 2009-07-14

[11] **2,751,858**
[13] C
[51] **Int.Cl. E04B 1/18 (2006.01) E04B 1/38 (2006.01) E04B 1/94 (2006.01) E04C 5/16 (2006.01)**
[25] EN
[54] **SELF-RELEASING STRUCTURAL ASSEMBLY**
[54] **ELEMENT FONCTIONNEL PORTEUR A DEGAGEMENT AUTOMATIQUE**
[72] HATZINIKOLAS, MICHAEL, CA
[73] HATZINIKOLAS, MICHAEL,
[86] (2751858)
[87] (2751858)
[22] 2011-09-08
[30] US (61/381,205) 2010-09-09

[11] **2,759,584**
[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **ACCESS CONTROL WITH PARTIAL SUPPORT FOR COMMUNICATIONS**
[54] **COMMANDE D'ACCES AVEC SUPPORT PARTIEL POUR DES COMMUNICATIONS**
[72] PESOLA, MIKKO JUHANI, FI
[72] VASENKARI, PETRI JUHANI, FI
[73] NOKIA TECHNOLOGIES OY,
[85] 2011-10-21
[86] 2009-04-24 (PCT/EP2009/054982)
[87] (WO2010/121662)

[11] **2,762,207**
[13] C
[51] **Int.Cl. B22F 1/00 (2006.01) B22F 3/16 (2006.01) B22F 9/08 (2006.01) C22C 38/04 (2006.01) C22C 38/08 (2006.01) C22C 38/12 (2006.01)**
[25] EN
[54] **HIGH STRENGTH LOW ALLOYED SINTERED STEEL**
[54] **ACIER FRITTE FAIBLEMENT ALLIE A RESISTANCE ELEVEE**
[72] YU, YANG, SE
[72] HIROSE, NORIMITSU, JP
[73] HOEGANAES AKTIEBOLAG (PUBL),
[85] 2011-11-16
[86] 2010-05-21 (PCT/SE2010/050551)
[87] (WO2010/134886)
[30] SE (0900689-1) 2009-05-22
[30] US (61/219,000) 2009-06-22

[11] **2,766,746**
[13] C
[51] **Int.Cl. E01H 5/08 (2006.01) E01H 5/04 (2006.01)**
[25] EN
[54] **SNOW THROWER WITH CHUTE CONTROL MECHANISM**
[54] **SOUFFLEUSE A NEIGE AVEC MECANISME DE COMMANDE DE GOULOTTE**
[72] FERRELL, JAMES C., US
[72] COLBER, WILLIAM E., JR., US
[72] MONTGOMERY, BENJAMIN E., US
[73] TECHTRONIC OUTDOOR PRODUCTS TECHNOLOGY LIMITED,
[86] (2766746)
[87] (2766746)
[22] 2012-02-06
[30] US (61/440,167) 2011-02-07

[11] **2,773,163**
[13] C
[51] **Int.Cl. A61F 2/07 (2013.01) A61L 31/04 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **MODIFIABLE OCCLUSION DEVICE**
[54] **DISPOSITIF D'OCCLUSION MODIFIABLE**
[72] SLAZAS, ROBERT, US
[72] LORENZO, JUAN, US
[72] FORSYTHE, PETER, US
[73] CODMAN & SHURTLEFF, INC.,
[86] (2773163)
[87] (2773163)
[22] 2012-03-29
[30] US (13/076,474) 2011-03-31

---

[11] **2,779,393**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **VALVE PROSTHESIS**
[54] **PROTHESE DE VALVE**
[72] GORMAN, JOSEPH H., III, US
[72] GORMAN, ROBERT C., US
[72] GILLESPIE, MATTHEW J., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA,
[85] 2012-04-30
[86] 2010-11-05 (PCT/US2010/055645)
[87] (WO2011/057087)
[30] US (61/258,331) 2009-11-05

---

[11] **2,786,368**
[13] C
[51] **Int.Cl. A61K 49/00 (2006.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01) A61B 8/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DIAGNOSIS OF TUMOR ACTIVITY USING TUMOR INTERSTITIAL FLUID PRESSURE**
[54] **PROCEDE ET APPAREIL POUR LE DIAGNOSTIC DE L'ACTIVITE TUMORALE UTILISANT LA PRESSION DU LIQUIDE INTERSTITIEL DE LA TUMEUR**
[72] SCHLESINGER, MORDECHAY, CA
[72] LIU, LONG JIAN, CA
[72] EWING, JAMES R., US
[72] BROWN, STEPHEN L., US
[73] UNIVERSITY OF WINDSOR,
[73] HENRY FORD HOSPITAL,
[86] (2786368)
[87] (2786368)
[22] 2012-08-14

---

[11] **2,787,773**
[13] C
[51] **Int.Cl. A61K 8/92 (2006.01) A61K 8/18 (2006.01) A61K 8/97 (2017.01) A61K 36/00 (2006.01) A61K 36/48 (2006.01) A61K 36/54 (2006.01) A61K 45/06 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01) B01D 11/02 (2006.01) B01D 11/04 (2006.01) C11B 1/10 (2006.01) C11B 7/00 (2006.01)**
[25] FR
[54] **LIQUID/LIQUID EXTRACTION**
[54] **EXTRACTION LIQUIDE / LIQUIDE**
[72] SAUNOIS, ALEX, FR
[72] LEGRAND, JACQUES, FR
[72] MERCIER, EGLANTINE, FR
[73] LABORATOIRES EXPANSCIENCE,
[85] 2012-07-20
[86] 2011-01-31 (PCT/EP2011/051321)
[87] (WO2011/092329)
[30] FR (1050644) 2010-01-29
[30] FR (1150682) 2011-01-28

---

[11] **2,788,278**
[13] C
[51] **Int.Cl. B23K 35/02 (2006.01) B23K 35/28 (2006.01) B23K 35/40 (2006.01) C22C 21/02 (2006.01)**
[25] EN
[54] **ALUMINUM ALLOY WELDING WIRE**
[54] **FIL DE SOUDURE EN ALLIAGE D'ALUMINIUM**
[72] ANDERSON, BRUCE EDWARD, US
[73] HOBART BROTHERS COMPANY,
[85] 2012-07-26
[86] 2011-02-08 (PCT/US2011/024064)
[87] (WO2011/100249)
[30] US (61/303,149) 2010-02-10

---

[11] **2,789,642**
[13] C
[51] **Int.Cl. F27D 19/00 (2006.01) F27D 21/00 (2006.01)**
[25] EN
[54] **IMPROVED INDUSTRIAL FURNACE**
[54] **FOUR INDUSTRIEL AMELIORE**
[72] BENUM, LESLIE WILFRED, CA
[72] CLAVELLE, ERIC, CA
[72] PETELA, GRAZYNA, CA
[72] WILLIAMSON, MARK, CA
[72] SAUNDERS, RANDALL E., CA
[73] NOVA CHEMICALS CORPORATION,
[86] (2789642)
[87] (2789642)
[22] 2012-09-14

---

[11] **2,790,211**
[13] C
[51] **Int.Cl. C12N 15/87 (2006.01) C12N 15/113 (2010.01) A01N 61/00 (2006.01) A01N 65/00 (2009.01) A01P 13/00 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DELIVERING POLYNUCLEOTIDES INTO PLANTS**
[54] **METHODES ET COMPOSITIONS DE DISTRIBUTION DE POLYNUCLEOTIDES DANS LES VEGETAUX**
[72] SAMMONS, ROBERT D., US
[72] IVASHUTA, SERGEY I., US
[72] LIU, HONG, US
[72] WANG, DAFU, US
[72] FENG, PAUL C. C., US
[72] KOURANOV, ANDREI Y., US
[72] ANDERSEN, SCOTT E., US
[73] MONSANTO TECHNOLOGY LLC,
[85] 2012-08-16
[86] 2011-03-08 (PCT/US2011/027528)
[87] (WO2011/112570)
[30] US (61/311,762) 2010-03-08
[30] US (61/349,807) 2010-05-28
[30] US (61/381,556) 2010-09-10

---

[11] **2,791,392**
[13] C
[51] **Int.Cl. G06F 3/12 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **FIELD METERING PATROL SYSTEM AND METHOD FOR METERING AND MONITORING PRINTERS**
[54] **SYSTEME DE CONTROLE DE MESURE DE CHAMP ET PROCEDE PERMETTANT DE MESURER ET DE SURVEILLER DES IMPRIMANTES**
[72] SCAFF, MARVIN, US
[73] EMERGE PRINT MANAGEMENT, LLC,
[85] 2012-08-28
[86] 2011-03-16 (PCT/US2011/028581)
[87] (WO2011/116038)
[30] US (12/726,979) 2010-03-18

[11] **2,791,738**
[13] C
[51] **Int.Cl. C07D 233/64 (2006.01) A61K 31/4164 (2006.01) A61K 31/4178 (2006.01) A61K 31/427 (2006.01) A61K 31/4725 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **ARYL IMIDAZOLYL COMPOUNDS FOR THE TREATMENT OF CANCER**
[54] **COMPOSES D'ARYL IMIDAZOLYL DESTINES AU TRAITEMENT DU CANCER**
[72] DALTON, JAMES T., US
[72] MILLER, DUANE D., US
[72] AHN, SUNJOO, US
[72] CHEN, JIANJUN, US
[72] DUKE, CHARLES, US
[72] LI, CHIEN-MING, US
[72] LI, WEI, US
[72] LU, YAN, US
[72] WANG, ZHAO, US
[73] GTX, INC.,
[73] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION,
[85] 2012-08-30
[86] 2010-12-29 (PCT/US2010/062418)
[87] (WO2011/109059)
[30] US (61/309,360) 2010-03-01
[30] US (61/315,790) 2010-03-19
[30] US (61/376,675) 2010-08-24

---

[11] **2,792,016**
[13] C
[51] **Int.Cl. A61B 18/00 (2006.01) A61B 17/29 (2006.01) A61B 17/94 (2006.01) A61B 18/04 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **ULTRASONIC SURGICAL INSTRUMENT WITH MODULAR END EFFECTOR**
[54] **INSTRUMENT CHIRURGICAL ULTRASONIQUE DOTE D'UN EFFECTEUR A TERMINAL MODULAIRE**
[72] BOUDREAUX, CHAD P., US
[72] HOUSER, KEVIN L., US
[73] ETHICON ENDO-SURGERY, INC.,
[86] (2792016)
[87] (2792016)
[22] 2012-10-05
[30] US (13/269,899) 2011-10-10

---

[11] **2,795,690**
[13] C
[51] **Int.Cl. G03B 21/60 (2014.01) G03B 21/604 (2014.01) G03B 35/26 (2006.01)**
[25] EN
[54] **POLARIZATION PRESERVING PROJECTION SCREEN WITH ENGINEERED PIGMENT AND METHOD FOR MAKING SAME**
[54] **ECRAN DE PROJECTION PRESERVANT LA POLARISATION AVEC UN PIGMENT TRAVAILLE ET PROCEDE DE FABRICATION ASSOCIE**
[72] PETERSEN, JOEL, US
[72] RICH, CHRISTOPHER, US
[72] LEWANDOWSKI, RAYMOND J., US
[72] SHARP, GARY, US
[72] COLEMAN, DAVID, US
[73] REALD INC.,
[85] 2012-06-19
[86] 2010-12-22 (PCT/US2010/061944)
[87] (WO2011/087873)
[30] US (61/289,343) 2009-12-22

---

[11] **2,803,138**
[13] C
[51] **Int.Cl. H01F 27/36 (2006.01)**
[25] EN
[54] **TRANSFORMER WITH SHIELDED CLAMPS**
[54] **TRANSFORMATEUR A PINCES BLINDEES**
[72] ROY, CARLOS, ES
[72] MURILLO, RAFAEL, ES
[72] TEPPER, JENS, DE
[72] SMAJIC, JASMIN, CH
[72] LETOSA FLETA, JESUS, ES
[72] USON, ANTONIO, ES
[72] VILLEN, MARIA TERESA, ES
[72] SAMPLON, MIGUEL, ES
[73] ABB SCHWEIZ AG,
[85] 2012-12-18
[86] 2011-06-21 (PCT/EP2011/060299)
[87] (WO2012/000828)
[30] EP (10167493.5) 2010-06-28

---

[11] **2,807,676**
[13] C
[51] **Int.Cl. F02K 1/44 (2006.01) B64D 29/00 (2006.01) B64D 33/04 (2006.01)**
[25] EN
[54] **GAS TURBINE EXHAUST HAVING REDUCED JET NOISE**
[54] **ECHAPPEMENT DE TURBINE A GAZ A REDUCTION DE BRUIT DE REACTEUR**
[72] JOSHI, NINAD, CA
[72] GIRARD, GAETAN, CA
[73] PRATT & WHITNEY CANADA CORP.,
[86] (2807676)
[87] (2807676)
[22] 2013-02-26
[30] US (13/407,055) 2012-02-28

---

[11] **2,808,358**
[13] C
[51] **Int.Cl. E21B 19/22 (2006.01) E21B 33/035 (2006.01) E21B 33/076 (2006.01)**
[25] EN
[54] **A METHOD FOR PROVIDING A WELL INTERVENTION USING AN INTERVENTION HOSE AND HOSE DRUM**
[54] **UNE METHODE DE FOURNITURE D'INTERVENTION DE PUITS AU MOYEN D'UN TUYAU D'INTERVENTION ET D'UN TAMBOUR DE TUYAU**
[72] SORENSEN, BJORN BRO, NO
[72] LANGETEIG, BJARNE, NO
[72] ALVAERN, JOSTEIN, NO
[73] COILHOSE AS,
[85] 2013-02-14
[86] 2011-08-22 (PCT/GB2011/051580)
[87] (WO2012/022987)
[30] GB (1014035.8) 2010-08-20

[11] **2,809,308**
[13] C
[51] **Int.Cl. C12Q 1/48 (2006.01) C12Q 1/527 (2006.01) G01N 33/542 (2006.01) G01N 33/58 (2006.01)**
[25] EN
[54] **ASSAYS FOR DETECTING MODIFIED COMPOUNDS**
[54] **ANALYSES DE DETECTION DE COMPOSES MODIFIES**
[72] RABBANI, ELAZAR, US
[72] RABBANI, JOSHUA, US
[72] PANDE, PRAVEEN, US
[72] STAVRIANOPOULOS, JANNIS G., US
[73] ENZO BIOCHEM, INC.,
[85] 2013-02-22
[86] 2011-08-18 (PCT/US2011/048243)
[87] (WO2012/027195)
[30] US (12/806,950) 2010-08-24

[11] **2,810,264**
[13] C
[51] **Int.Cl. H04L 12/26 (2006.01) H04H 60/33 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUS TO DETERMINE MEDIA IMPRESSIONS**
[54] **PROCEDES ET APPAREIL POUR DETERMINER DES IMPRESSIONS DE SUPPORT**
[72] SRIVASTAVA, SEEMA V., US
[72] OLIVER, JAMES R., US
[72] DONATO, PAUL, US
[72] MAZUMDAR, MAINAK, US
[72] AURISSET, JULIETTE, US
[72] RAO, KUMAR, US
[72] PEREZ, ALBERT R., US
[72] GAUNT, JOSH, US
[72] PENG, YUTAO, US
[73] THE NIELSEN COMPANY (US), LLC,
[85] 2013-03-01
[86] 2012-02-27 (PCT/US2012/026760)
[87] (WO2012/128895)
[30] US (61/454,326) 2011-03-18

[11] **2,810,757**
[13] C
[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **MUTANT CHANNELRHODOPSIN 2**
[54] **CHANNELRHODOPSINE 2 MUTANTE**
[72] BAMBERG, ERNST, DE
[72] BAMANN, CHRISTIAN, DE
[72] KLEINLOGEL, SONJA, DE
[72] WOOD, PHILLIP, DE
[72] DEMPSKI, ROBERT E., US
[73] MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V.,
[85] 2013-03-07
[86] 2011-09-08 (PCT/EP2011/065510)
[87] (WO2012/032103)
[30] US (61/380,793) 2010-09-08
[30] EP (10175832.4) 2010-09-08

[11] **2,810,879**
[13] C
[51] **Int.Cl. E02F 3/30 (2006.01) E02F 3/38 (2006.01) E21C 27/00 (2006.01) E21C 35/00 (2006.01)**
[25] EN
[54] **BOOM AND DIPPER HANDLE ASSEMBLY FOR AN INDUSTRIAL MACHINE**
[54] **ENSEMBLE DE BALAI ET POIGNEE DE GODET POUR UNE MACHINE INDUSTRIELLE**
[72] HREN, WILLIAM, US
[73] JOY GLOBAL SURFACE MINING INC,
[86] (2810879)
[87] (2810879)
[22] 2013-03-27
[30] US (61/619,361) 2012-04-02
[30] US (13/831,295) 2013-03-14

[11] **2,812,870**
[13] C
[51] **Int.Cl. C12P 19/26 (2006.01) A61K 38/43 (2006.01) C12N 9/10 (2006.01) C12N 15/81 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **MANNOSIDASES CAPABLE OF UNCAPPING MANNOSE-1-PHOSPHO-6-MANNOSE LINKAGES AND DEMANNOSYLATING PHOSPHORYLATED N-GLYCANS AND METHODS OF FACILITATING MAMMALIAN CELLULAR UPTAKE OF GLYCOPROTEINS**
[54] **MANNOSIDASES CAPABLES D'ELIMINER LA COIFFE DES LIAISONS MANNOSE-1-PHOSPHO- 6-MANNOSE ET DE DEMANNOSYLER LES N-GLYCANES PHOSPHORYLES, ET METHODES FACILITANT L'ASSIMILATION DES GLYCOPROTEINES PAR DES CELLULES DE MAMMIFERES**
[72] PYNAERT, GWENDA NOELLA, BE
[72] PIENS, KATHLEEN CAMILLA TELESPHORE ALIDA MARIA, BE
[72] VALEVSKA, ALBENA VERGILIEVA, BE
[72] VERVECKEN, WOUTER, BE
[73] OXYRANE UK LIMITED,
[85] 2013-03-27
[86] 2011-09-29 (PCT/IB2011/002770)
[87] (WO2012/042386)
[30] US (61/387,940) 2010-09-29
[30] US (61/477,014) 2011-04-19

[11] **2,813,802**
[13] C
[51] **Int.Cl. C07K 14/64 (2006.01) A61K 38/17 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **SINGLE CHAIN RELAXIN POLYPEPTIDES**
[54] **POLYPEPTIDES DE RELAXINE MONOCATENAIRES**
[72] ROSENGREN, KARL JOHAN, AU
[72] HAUGAARD-KEDSTROM, LINDA MARIA, AU
[72] BATHGATE, ROSS ALEXANDER DAVID, AU
[72] HOSSAIN, MOHAMMED AKHTER, AU
[72] WADE, JOHN DESMOND, AU
[72] GUNDLACH, ANDREW LAWRENCE, AU
[72] LAWRENCE, ANDREW J., AU
[73] HOWARD FLOREY INSTITUTE OF EXPERIMENTAL PHYSIOLOGY AND MEDICINE,
[73] THE UNIVERSITY OF QUEENSLAND,
[85] 2013-04-05
[86] 2011-09-08 (PCT/AU2011/001158)
[87] (WO2012/031326)
[30] AU (2010904046) 2010-09-08

[11] **2,815,131**
[13] C
[51] **Int.Cl. C07D 213/82 (2006.01) A61K 31/4427 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61K 31/553 (2006.01) A61P 25/00 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **SUBSTITUTED 6-AMINO-NICOTINAMIDES AS KCNQ2/3 MODULATORS**
[54] **6-AMINO-NICOTINAMIDES SUBSTITUES EN TANT QUE MODULATEURS DES KCNQ2/3**
[72] KUEHNERT, SVEN, DE
[72] BAHRENBERG, GREGOR, DE
[72] KLESS, ACHIM, DE
[72] SCHROEDER, WOLFGANG, DE
[72] LUCAS, SIMON, AT
[73] GRUENENTHAL GMBH,
[85] 2013-04-18
[86] 2011-10-19 (PCT/EP2011/005265)
[87] (WO2012/052167)
[30] EP (10013811.4) 2010-10-20

[11] **2,816,223**
[13] C
[51] **Int.Cl. C12Q 1/04 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **SENSOR WITH A SCAFFOLD HAVING CHANGEABLE CONFORMATIONS**
[54] **CAPTEUR DOTE D'UNE STRUCTURE AYANT DES CONFORMATIONS CHANGEABLES**
[72] FROMM, KATHARINA, CH
[72] BOCHET, CHRISTIAN, CH
[73] UNIVERSITE DE FRIBOURG,
[85] 2013-04-22
[86] 2011-10-24 (PCT/EP2011/068563)
[87] (WO2012/052566)
[30] EP (10188556.4) 2010-10-22

[11] **2,816,991**
[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) G01N 33/574 (2006.01) G01N 33/82 (2006.01)**
[25] EN
[54] **FOLATE RECEPTOR ALPHA AS A DIAGNOSTIC AND PROGNOSTIC MARKER FOR FOLATE RECEPTOR ALPHA-EXPRESSING CANCERS**
[54] **RECEPTEUR ALPHA DE FOLATE A TITRE DE MARQUEUR DIAGNOSTIQUE ET PRONOSTIQUE DES CANCERS EXPRIMANT UN RECEPTEUR ALPHA DE FOLATE**
[72] O'SHANNESSY, DANIEL J., US
[72] GRASSO, LUIGI, US
[72] WAN, SHANHONG, US
[72] CHAO, QIMIN, US
[72] SOMERS, ELIZABETH BROOKE, US
[73] EISAI INC.,
[85] 2013-05-03
[86] 2011-11-04 (PCT/US2011/059411)
[87] (WO2012/061759)
[30] US (61/410,497) 2010-11-05
[30] US (61/508,444) 2011-07-15

[11] **2,817,325**
[13] C
[51] **Int.Cl. F17D 1/16 (2006.01) C08K 5/10 (2006.01) C08L 33/00 (2006.01) F15D 1/02 (2006.01) C08J 5/16 (2006.01)**
[25] EN
[54] **ADDITIVES FOR A DRAG REDUCING COMPOSITION**
[54] **ADDITIFS POUR COMPOSITION DE REDUCTION DE TRAINEE**
[72] JOHNSTON, RAY L., US
[72] BAO, ZHIYI, US
[72] THOMAS, RICHARD D., US
[72] BURDEN, TIMOTHY L., US
[73] LIQUIDPOWER SPECIALTY PRODUCTS INC.,
[85] 2013-05-08
[86] 2011-11-02 (PCT/US2011/058904)
[87] (WO2012/067818)
[30] US (61/414,298) 2010-11-16

[11] **2,817,435**
[13] C
[51] **Int.Cl. A01G 23/083 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR PROCESSING A LENGTH OF MATERIAL**
[54] **PROCEDE ET APPAREIL POUR TRAITER UNE LONGUEUR DE MATERIAU**
[72] KAYE, BRETT JAMES, NZ
[73] WARATAH NZ LIMITED,
[86] (2817435)
[87] (2817435)
[22] 2013-05-31
[30] NZ (600483) 2012-06-06
[30] NZ (608293) 2013-03-15

[11] **2,817,465**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO RELEASE OF A BENEFICIAL SUBSTANCE FROM A BOLUS**
[54] **AMELIORATIONS RELATIVES A LA LIBERATION D'UNE SUBSTANCE BENEFIQUE A PARTIR D'UN BOLUS**
[72] PORTER, WILLIAM LESLIE, GB
[73] ANIMAX LTD,
[86] (2817465)
[87] (2817465)
[22] 2013-05-30
[30] GB (1302507.7) 2013-02-13

[11] **2,817,960**
[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/711 (2006.01) A61K 31/712 (2006.01) C07K 14/47 (2006.01) C12N 15/12 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **MODULATION OF ALPHA SYNUCLEIN EXPRESSION**
[54] **MODULATION DE L'EXPRESSION DE L'ALPHA SYNUCLEINE**
[72] BENNETT, C. FRANK, US
[72] FREIER, SUSAN M., US
[72] MALLAJOSYULA, JYOTHI, US
[73] IONIS PHARMACEUTICALS, INC.,
[85] 2013-05-14
[86] 2011-11-17 (PCT/US2011/061245)
[87] (WO2012/068405)
[30] US (61/414,848) 2010-11-17

[11] **2,818,788**
[13] C
[51] **Int.Cl. E03F 5/00 (2006.01) E03F 1/00 (2006.01)**
[25] EN
[54] **CHAMBER FOR UNDERGROUND DISTRIBUTION OF STORMWATER**
[54] **CHAMBRE POUR DISTRIBUTION SOUTERRAINE DES EAUX D'ORAGE**
[72] MAESTRO, ROBERT M., US
[73] NATIONAL DIVERSIFIED SALES, INC.,
[86] (2818788)
[87] (2818788)
[22] 2013-06-14
[30] US (13/986,057) 2013-03-28

[11] **2,819,115**
[13] C
[51] **Int.Cl. C09B 35/021 (2006.01) C09B 35/025 (2006.01) C09B 35/03 (2006.01) D06P 1/39 (2006.01) D06P 3/60 (2006.01) D21H 21/28 (2006.01)**
[25] EN
[54] **AZO DYES**
[54] **COLORANTS AZOIQUES**
[72] MEIER, HELMUT-MARTIN, DE
[72] HEIDE, CHRISTOF, DE
[72] STRUMPF, KLAUS-GUNTER, DE
[72] HUBBE, THOMAS, DE
[73] KEMIRA OYJ,
[85] 2013-05-27
[86] 2011-11-29 (PCT/EP2011/071291)
[87] (WO2012/072634)
[30] EP (10193156.6) 2010-11-30
[30] US (61/482,349) 2011-05-04

[11] **2,820,277**
[13] C
[51] **Int.Cl. F16L 5/04 (2006.01) A62C 3/00 (2006.01)**
[25] EN
[54] **FIRE PROTECTION SLEEVE**
[54] **MANCHON COUPE-FEU**
[72] MUNZENBERGER, HERBERT, DE
[73] HILTI AKTIENGESELLSCHAFT,
[86] (2820277)
[87] (2820277)
[22] 2013-06-19
[30] DE (102012211562.5) 2012-07-03

[11] **2,820,398**
[13] C
[51] **Int.Cl. C25B 1/10 (2006.01) B01D 53/32 (2006.01) C25B 1/12 (2006.01) C25B 9/08 (2006.01) C25B 15/08 (2006.01)**
[25] FR
[54] **CELL FOR PRODUCING HYDROGEN COMPRISING A HIGH-TEMPERATURE STEAM ELECTROLYSIS CELL.**
[54] **CELLULE DE PRODUCTION D'HYDROGENE COMPRENANT UNE CELLULE D'ELECTROLYSEUR DE LA VAPEUR D'EAU A HAUTE TEMPERATURE.**
[72] DELAHAYE, THIBAUD, FR
[72] BAURENS, PIERRE, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES,
[85] 2013-06-05
[86] 2011-12-16 (PCT/EP2011/073130)
[87] (WO2012/084738)
[30] FR (1060840) 2010-12-20

[11] **2,820,995**
[13] C
[51] **Int.Cl. G01N 21/03 (2006.01) G01N 15/14 (2006.01) G01N 21/05 (2006.01)**
[25] EN
[54] **DEVICE FOR PHOTOMETRICALLY OR SPECTROMETRICALLY EXAMINING A LIQUID SAMPLE**
[54] **DISPOSITIF POUR L'ANALYSE PHOTOMETRIQUE OU SPECTROMETRIQUE D'UN ECHANTILLON LIQUIDE**
[72] VOGL, WOLFGANG, AT
[73] VWMS INVENTIONS GMBH,
[85] 2013-06-10
[86] 2011-12-15 (PCT/AT2011/000497)
[87] (WO2012/079103)
[30] AT (A 2077/2010) 2010-12-15

[11] **2,821,186**
[13] C
[51] **Int.Cl. B65D 59/00 (2006.01)**
[25] EN
[54] **EDGE PROTECTOR**
[54] **PROTECTEUR DE BORD**
[72] BAKER, MARCUS, US
[72] FLEURY, TODD, CA
[73] T & M DESIGN, LLC,
[86] (2821186)
[87] (2821186)
[22] 2013-07-15
[30] US (13/937,791) 2013-07-09

[11] **2,821,483**
[13] C
[51] **Int.Cl. G01B 21/30 (2006.01) E04G 23/00 (2006.01) G01B 11/30 (2006.01)**
[25] EN
[54] **SIDING IDENTIFICATION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION DE PAREMENT**
[72] LIN, KAI-HSIANG, US
[72] GRANT, ROSEMARIE GEIER, US
[72] MAST, JOSHUA M., US
[72] DEWEY, DOUGLAS L., US
[72] DAGLI, CHARLIE K., US
[73] STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY,
[86] (2821483)
[87] (2821483)
[22] 2013-07-19
[30] US (13/555,486) 2012-07-23

[11] **2,822,097**
[13] C
[51] **Int.Cl. C07D 309/10 (2006.01) A61K 38/14 (2006.01) C07K 9/00 (2006.01)**
[25] EN
[54] **DERIVATIVES OF GLYCO-CF2-SERINE AND GLYCO-CF2-THREONINE**
[54] **DERIVES DE GLYCO-CF2-SERINE ET DE GLYCO-CF2-THREONINE**
[72] DELIENCOURT-GODEFROY, GERALDINE, FR
[72] FILLON, HYACINTHE, FR
[72] MARTIN, THIBAUT, FR
[73] TFCHEM,
[85] 2013-06-18
[86] 2011-12-22 (PCT/EP2011/073822)
[87] (WO2012/085221)
[30] EP (10306493.7) 2010-12-22

---

[11] **2,822,608**
[13] C
[51] **Int.Cl. C02F 5/10 (2006.01) C02F 1/42 (2006.01) C02F 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR INHIBITING THE FORMATION AND DEPOSITION OF SILICA SCALE IN AQUEOUS SYSTEMS**
[54] **PROCEDE D'INHIBITION DE LA FORMATION ET DU DEPOT DE RESIDUS DE SILICE DANS DES SYSTEMES AQUEUX**
[72] GREENE, NATHANIEL T., US
[72] GILL, JASBIR S., US
[72] GODFREY, MARTIN R., US
[72] WILLIAMS, CHERYL, US
[73] NALCO COMPANY,
[85] 2013-06-20
[86] 2011-12-21 (PCT/US2011/066427)
[87] (WO2012/088240)
[30] US (12/976,013) 2010-12-22

---

[11] **2,823,233**
[13] C
[51] **Int.Cl. C07K 16/22 (2006.01)**
[25] EN
[54] **RECOMBINANT ANTIBODIES AGAINST THE VASCULAR ENDOTHELIUM GROWTH FACTOR (VEGF) OBTAINED BY VARIABLE REGION MUTAGENESIS**
[54] **ANTICORPS DE RECOMBINAISON CONTRE LE FACTEUR DE CROISSANCE DE L'ENDOTHELIUM VASCULAIRE (VEGF) OBTENUS PAR MUTAGENESE DE REGIONS VARIABLES**
[72] LAMDAN ORDAS, HUMBERTO, CU
[72] GAVILONDO COWLEY, JORGE VICTOR, CU
[72] AYALA AVILA, MARTA, CU
[72] MUNOZ POZO, YASMIANA, CU
[72] PUPO MERINO, AMAURY, CU
[72] ROJAS DORANTES, GERTRUDIS, CU
[72] PEREZ SANCHEZ, LINCIDIO, CU
[73] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA,
[73] BIOREC S.A.,
[85] 2013-06-27
[86] 2011-12-26 (PCT/CU2011/000009)
[87] (WO2012/089176)
[30] CU (2010-0264) 2010-12-28

---

[11] **2,826,474**
[13] C
[51] **Int.Cl. H05H 1/30 (2006.01) H05H 1/28 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE INDUCTION PLASMA TORCH**
[54] **TORCHE A PLASMA INDUCTIF A HAUTES PERFORMANCES**
[72] BOULOS, MAHER, CA
[72] DIGNARD, NICOLAS, CA
[72] AUGER, ALEXANDRE, CA
[72] THELLEND, SEBASTIEN, CA
[72] JUREWICZ, JERZY, CA
[73] TEKNA PLASMA SYSTEMS INC.,
[85] 2013-08-02
[86] 2012-02-02 (PCT/CA2012/000094)
[87] (WO2012/103639)
[30] US (61/439,161) 2011-02-03

---

[11] **2,826,963**
[13] C
[51] **Int.Cl. A63B 23/025 (2006.01)**
[25] EN
[54] **NECK MUSCLE EXERCISER AND METHOD OF ASSESSING NECK MUSCLE PERFORMANCE**
[54] **EXERCISEUR DES MUSCLES DU COU ET PROCEDE D'EVALUATION DE LA PERFORMANCE DES MUSCLES DU COU**
[72] VERSTEEGH, THEODORE HENRY, CA
[73] VERSTEEGH, THEODORE HENRY,
[86] (2826963)
[87] (2826963)
[22] 2013-09-12

---

[11] **2,827,768**
[13] C
[51] **Int.Cl. B65G 39/02 (2006.01)**
[25] EN
[54] **ROLLER CONVEYING SYSTEM**
[54] **SYSTEME DE TRANSPORT A ROULEAUX**
[72] SPECHT, DIETER, CH
[73] AVANCON SA,
[86] (2827768)
[87] (2827768)
[22] 2013-09-19
[30] IT (RM2012A000452) 2012-09-20

---

[11] **2,827,887**
[13] C
[51] **Int.Cl. C07D 339/04 (2006.01) A61K 31/24 (2006.01) A61K 31/381 (2006.01) A61K 31/4245 (2006.01) A61K 31/655 (2006.01) A61K 31/67 (2006.01) A61K 31/675 (2006.01) A61P 29/00 (2006.01) C07C 321/20 (2006.01) C07C 327/48 (2006.01) C07C 381/00 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **NO- AND H2S-RELEASING COMPOUNDS**
[54] **COMPOSES LIBERANT NO ET H2S**
[72] KASHFI, KHOSROW, US
[72] KODELA, RAVINDER, US
[73] RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK,
[85] 2013-08-20
[86] 2012-08-15 (PCT/US2012/050922)
[87] (WO2013/025790)
[30] US (61/523,513) 2011-08-15
[30] US (61/615,700) 2012-03-26
[30] US (61/635,624) 2012-04-19

[11] **2,828,562**
[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/072 (2006.01) A61B 17/295 (2006.01) A61B 17/94 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL SURGICAL APPARATUS INCLUDING WIRE ROUTING CLOCK SPRING**
[54] **APPAREIL CHIRURGICAL ELECTROMECANIQUE COMPRENANT UN RESSORT D'HORLOGE D'ACHEMINEMENT DE FILS**
[72] WILLIAMS, JUSTIN, US
[73] COVIDIEN LP,
[86] (2828562)
[87] (2828562)
[22] 2013-09-27
[30] US (13/648,682) 2012-10-10

[11] **2,828,855**
[13] C
[51] **Int.Cl. F16L 13/11 (2006.01) B05C 17/01 (2006.01) F16B 11/00 (2006.01) F16L 1/06 (2006.01) F16L 47/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONNECTING PIPES**
[54] **PROCEDE ET APPAREIL POUR BRANCHER DES TUYAUX**
[72] CONRAD, WAYNE ERNEST, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC.,
[86] (2828855)
[87] (2828855)
[22] 2013-09-27

[11] **2,829,002**
[13] C
[51] **Int.Cl. B26D 3/16 (2006.01)**
[25] EN
[54] **PIPE CUTTING TOOL AND METHODS FOR USE**
[54] **COUPE-TUBE ET PROCEDES D'UTILISATION**
[72] CONRAD, WAYNE ERNEST, CA
[72] CONRAD, NINA, CA
[72] BURKE, BRIAN, CA
[72] VIVIAN, DON, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC.,
[86] (2829002)
[87] (2829002)
[22] 2013-09-27

[11] **2,829,041**
[13] C
[51] **Int.Cl. F16L 13/11 (2006.01) B05C 17/01 (2006.01) F16B 11/00 (2006.01) F16L 1/06 (2006.01) F16L 47/02 (2006.01)**
[25] EN
[54] **PIPE SEALING TOOL AND METHODS FOR USE**
[54] **OUTIL D'OBTURATION HERMETIQUE DE TUYAU ET PROCEDES D'UTILISATION**
[72] CONRAD, WAYNE ERNEST, CA
[72] CONRAD, NINA, CA
[72] BURKE, BRIAN, CA
[72] VIVIAN, DON, CA
[72] WAJDA, TOMASZ F., CA
[73] OMACHRON INTELLECTUAL PROPERTY INC.,
[86] (2829041)
[87] (2829041)
[22] 2013-09-27

[11] **2,829,070**
[13] C
[51] **Int.Cl. G06K 19/077 (2006.01)**
[25] EN
[54] **PAYMENT CARD SYSTEM AND METHOD**
[54] **SYSTEME DE CARTE DE PAIEMENT ET PROCEDE ASSOCIE**
[72] REED, SONIA, US
[72] SIPPOLA, KENNETH M., US
[72] THAW, WILLIAM, US
[72] TOP, MUSTAFA, US
[72] BEDWELL, WILLIAM B., US
[72] CROUCH-BAKER, STEVEN, US
[72] TANZELLA, FRANCIS, US
[72] ALVAREZ, ESPERANZA, US
[72] STOTTS, JOHN STEPHENS, US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION,
[85] 2013-09-04
[86] 2012-03-05 (PCT/US2012/027771)
[87] (WO2012/122124)
[30] US (61/449,473) 2011-03-04

[11] **2,829,892**
[13] C
[51] **Int.Cl. H04W 60/00 (2009.01) H04W 12/06 (2009.01) H04W 80/08 (2009.01) H04W 84/12 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELAYED DEVICE REGISTRATION ON A NETWORK**
[54] **SYSTEME ET METHODE POUR ENREGISTREMENT DE DISPOSITIF DIFFERE SUR UN RESEAU**
[72] SAUNDERS, CHRISTIAN, CA
[72] ANGERAME, RON, CA
[73] SHAW CABLESYSTEMS G.P.,
[86] (2829892)
[87] (2829892)
[22] 2013-10-10

[11] **2,831,398**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/543 (2006.01) G01N 33/545 (2006.01)**
[25] EN
[54] **PSA ASSAY AND REAGENT THEREFOR**
[54] **PROCEDE DE DOSAGE DE L'ASP ET REACTIF ASSOCIE**
[72] TAKAHASHI, YUKI, JP
[72] SHIMIZU, TOMO, JP
[72] NAKAMURA, YASUSHI, JP
[72] NAKAYAMA, SHINYA, JP
[72] KITAHARA, SHINICHIRO, JP
[73] SEKISUI MEDICAL CO., LTD.,
[73] TAKAHASHI, YUKI,
[73] SHIMIZU, TOMO,
[73] NAKAMURA, YASUSHI,
[73] NAKAYAMA, SHINYA,
[73] KITAHARA, SHINICHIRO,
[85] 2013-09-25
[86] 2012-03-28 (PCT/JP2012/058056)
[87] (WO2012/133482)
[30] JP (2011-069161) 2011-03-28

[11] **2,832,114**
[13] C
[51] **Int.Cl. H02K 15/00 (2006.01) F03D 9/25 (2016.01) F03D 13/10 (2016.01) H02K 7/18 (2006.01)**
[25] EN
[54] **METHOD FOR ASSEMBLING AN ELECTRICAL MACHINE**
[54] **PROCEDE DE MONTAGE D'UNE MACHINE ELECTRIQUE**
[72] FEHER, KORNEL, DE
[72] HARTMANN, ULRICH, DE
[72] JUNGE, MARTIN, DE
[72] JOCKEL, ANDREAS, DE
[72] KRISTL, MARTIN, DE
[72] LUCHS, WILFRIED, DE
[72] MEMMINGER, OLIVER, DE
[72] MUCHA, JOACHIM, DE
[72] MOHLE, AXEL, DE
[73] SIEMENS AKTIENGESELLSCHAFT,
[85] 2013-10-02
[86] 2012-03-13 (PCT/EP2012/054374)
[87] (WO2012/136449)
[30] EP (11160956.6) 2011-04-04

[11] **2,832,424**
[13] C
[51] **Int.Cl. B62D 11/04 (2006.01) B62D 1/02 (2006.01) E02F 3/32 (2006.01) E02F 9/22 (2006.01)**
[25] EN
[54] **SINGLE PEDAL PROPULSION SYSTEM FOR STRAIGHT TRAVEL OF WORK VEHICLE**
[54] **MECANISME DE PROPULSION A UNE PEDALE POUR LE PARCOURS EN LIGNE DROITE D'UN VEHICULE DE TRAVAIL**
[72] BOYLE, MICHAEL J., US
[72] SHOOK, JUSTIN R., US
[72] WALL, MARK K., US
[72] FRIEBEL, JEFFREY A., US
[73] DEERE & COMPANY,
[86] (2832424)
[87] (2832424)
[22] 2013-11-06
[30] US (13/690,170) 2012-11-30

[11] **2,832,804**
[13] C
[51] **Int.Cl. B04C 3/06 (2006.01)**
[25] EN
[54] **SHALE-GAS SEPARATING AND CLEANOUT SYSTEM**
[54] **SYSTEME DE SEPARATION ET DE NETTOYAGE DE GAZ DE SCHISTE**
[72] MATHENA, HAROLD DEAN, US
[73] SEABOARD INTERNATIONAL INC.,
[85] 2013-10-09
[86] 2011-04-12 (PCT/US2011/032122)
[87] (WO2012/141691)

[11] **2,833,212**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **MULTIPLE REACTION MONITORING LC-MS/MS METHOD TO DETECT THERAPEUTIC ANTIBODIES IN ANIMAL SAMPLES USING FRAMEWORK SIGNATURE PEPIDES**
[54] **PROCEDE LC-MS/MS DE SURVEILLANCE DE REACTIONS MULTIPLES POUR DETECTER DES ANTICORPS THERAPEUTIQUES DANS DES ECHANTILLONS ANIMAUX A L'AIDE DE PEPTIDES DE SIGNATURE D'INFRASTRUCTURE**
[72] KAUR, SURINDER, US
[72] SAAD, OLA, US
[72] XU, KEYANG, US
[73] GENENTECH, INC.,
[85] 2013-10-11
[86] 2012-05-11 (PCT/US2012/037455)
[87] (WO2012/155019)
[30] US (61/485,249) 2011-05-12

[11] **2,833,379**
[13] C
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/18 (2006.01) C12M 1/24 (2006.01) C12M 1/34 (2006.01) C12Q 1/24 (2006.01)**
[25] EN
[54] **A CELL SORTER SYSTEM AND A CARRIER FOR RECEIVING SORTED CELLS AND METHODS THEREOF**
[54] **UN SYSTEME DE TRI DE CELLULES ET UN SUPPORT DESTINE A RECEVOIR LES CELLULES TRIEES ET METHODES ASSOCIEES**
[72] VAN DEN ENGH, GER, US
[72] PETERSEN, TIMOTHY WAYNE, US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2013-10-16
[86] 2012-04-26 (PCT/US2012/035233)
[87] (WO2012/149174)
[30] US (61/480,867) 2011-04-29

[11] **2,835,093**
[13] C
[51] **Int.Cl. G06F 11/00 (2006.01) G06F 21/57 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF IMPLEMENTING CONTENT VALIDATION OF MICROCOMPUTER BASED CIRCUITS**
[54] **SYSTEMES ET METHODES DE MISE EN OEUVRE DE VALIDATION DE CONTENU DE CIRCUITS FONDES SUR UN MICROORDINATEUR**
[72] LA FEVER, GEORGE BERNARD, US
[72] FLAUM, ISER B., US
[73] ELECTRONIC WARFARE ASSOCIATES, INC.,
[85] 2013-10-30
[86] 2012-04-24 (PCT/US2012/034735)
[87] (WO2012/154398)
[30] US (61/484,587) 2011-05-10

[11] **2,836,234**
[13] C
[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/32 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **INJECTION DEVICE**
[54] **DISPOSITIF D'INJECTION**
[72] CRONENBERG, RICHARD, US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2013-11-14
[86] 2011-05-18 (PCT/US2011/000878)
[87] (WO2012/158136)

[11] **2,836,981**
[13] C
[51] **Int.Cl. B65H 18/06 (2006.01) B65H 18/10 (2006.01)**
[25] EN
[54] **REVOLVER-TYPE WINDING MACHINE FOR STRIP MATERIAL**
[54] **BOBINEUSE DE TYPE REVOLVER POUR MATERIAU EN BANDE**
[72] MIRAVETE GUERRERO, DAVID, ES
[72] PRAT GIL, JORDI, ES
[73] COMEXI GROUP INDUSTRIES, SAU,
[85] 2013-11-21
[86] 2012-05-24 (PCT/ES2012/000143)
[87] (WO2012/164115)
[30] ES (P201100614) 2011-06-01

[11] **2,838,109**
[13] C
[51] **Int.Cl. A61K 31/5575 (2006.01) A61K 9/00 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **TOPICAL SEMISOLID PROSTAGLANDIN E1 COMPOSITION FOR TREATING RAYNAUD'S DISEASE**
[54] **COMPOSITION DE PROSTAGLANDINE E1 SEMISOLIDE TOPIQUE DESTINEE AU TRAITEMENT DE LA MALADIE DE RAYNAUD**
[72] FRANK, DANIEL W., US
[72] MARTIN, RICHARD, US
[72] DAMAJ, BASSAM B., US
[73] NEXMED HOLDINGS, INC.,
[85] 2013-09-12
[86] 2012-04-06 (PCT/US2012/032577)
[87] (WO2012/139033)
[30] US (61/472,988) 2011-04-07

[11] **2,839,042**
[13] C
[51] **Int.Cl. G01F 23/26 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CAPACITIVE FILL LEVEL MEASUREMENT OF LIQUIDS OR BULK MATERIALS**
[54] **PROCEDE ET DISPOSITIF POUR MESURE DE NIVEAU CAPACITIF DES LIQUIDES OU MATIERES EN VRAC**
[72] GEBHARDT, STEFAN, DE
[72] KOHLER, ARMIN, DE
[72] SUENKELER, MARTIN, DE
[72] KOOB, THORSTEN, DE
[72] BISCHLER, EDUARD, DE
[73] RECHNER INDUSTRIE-ELEKTRONIK GMBH,
[86] (2839042)
[87] (2839042)
[22] 2014-01-10
[30] EP (13 000 429.4) 2013-01-29

[11] **2,841,702**
[13] C
[51] **Int.Cl. E01H 5/02 (2006.01) B25G 1/04 (2006.01) E04D 15/00 (2006.01) E04H 12/18 (2006.01)**
[25] EN
[54] **SNOW RAKE WITH TELESCOPING POLE**
[54] **RATEAU A NEIGE A MANCHE TELESCOPIQUE**
[72] FISCHER, GARY M., JR., US
[72] VOGLER, MICHAEL R., US
[73] SUNCAST TECHNOLOGIES, LLC,
[86] (2841702)
[87] (2841702)
[22] 2014-02-05
[30] US (13/761,967) 2013-02-07

[11] **2,842,501**
[13] C
[51] **Int.Cl. C07D 209/42 (2006.01) A61K 31/4045 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **BIS-INDOLIC DERIVATIVES, A PROCESS FOR PREPARING THE SAME AND THEIR USES AS A DRUG**
[54] **DERIVES BIS-INDOLIQUES, PROCEDE POUR PREPARER CEUX-CI ET LEURS UTILISATIONS EN TANT QUE MEDICAMENT**
[72] DENIS, JEAN-NOEL, FR
[72] JOLIVALT, CLAUDE MARCELLE, FR
[72] MAURIN, MAX MAURIN LOUIS, FR
[72] JEANTY, MATTHIEU, FR
[73] UNIVERSITE JOSEPH FOURIER,
[73] LE CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
[73] LE CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE,
[85] 2014-01-21
[86] 2012-07-20 (PCT/EP2012/064337)
[87] (WO2013/014102)
[30] EP (11305963.8) 2011-07-22

[11] **2,842,508**
[13] C
[51] **Int.Cl. C07D 209/16 (2006.01) A61K 31/4045 (2006.01) A61P 31/04 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **BIS-INDOLIC DERIVATIVES, THEIR USES IN PARTICULAR AS ANTIBACTERIALS**
[54] **DERIVES BIS-INDOLIQUES, LEURS UTILISATIONS EN PARTICULIER EN TANT QU'ANTIBACTERIENS**
[72] DENIS, JEAN-NOEL, FR
[72] JOLIVALT, CLAUDE MARCELLE, FR
[72] MAURIN, MAX MAURIN LOUIS, FR
[72] BURCHAK, OLGA NIKOLAEVNA, FR
[73] UNIVERSITE JOSEPH FOURIER,
[73] LE CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
[73] LE CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE,
[85] 2014-01-21
[86] 2012-07-20 (PCT/EP2012/064339)
[87] (WO2013/014104)
[30] EP (11305964.6) 2011-07-22

[11] **2,842,722**
[13] C
[51] **Int.Cl. C12N 15/87 (2006.01) A01K 67/027 (2006.01) C07K 7/08 (2006.01) C07K 14/415 (2006.01) C12N 15/00 (2006.01)**
[25] EN
[54] **ORGANELLE TARGETING NANOCARRIERS**
[54] **NANOVECTEURS CIBLANT DES ORGANELLES**
[72] EUDES, FRANCOIS, CA
[72] MACMILLAN, TREVOR, CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA, AS REPRESENTED BY THE MINISTER OF AGRICULTURE AND AGRI-FOOD,
[85] 2014-01-22
[86] 2012-08-02 (PCT/CA2012/000727)
[87] (WO2013/016810)
[30] US (61/514,988) 2011-08-04

[11] **2,844,228**
[13] C
[51] **Int.Cl. F24H 4/04 (2006.01) F24D 3/18 (2006.01) F24D 17/02 (2006.01) F24F 12/00 (2006.01)**
[25] EN
[54] **RETROFIT HOT WATER SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME A EAU CHAUDE MODIFIE EN RATTRAPAGE**
[72] MARTE, SEAN DOUGLAS, CA
[73] GREEN MATTERS TECHNOLOGIES INC.,
[86] (2844228)
[87] (2844228)
[22] 2014-02-27
[30] US (13/838633) 2013-03-15

[11] **2,844,242**
[13] C
[51] **Int.Cl. F25B 49/02 (2006.01)**
[25] EN
[54] **USER CONTROL INTERFACE FOR HEAT TRANSFER SYSTEM**
[54] **INTERFACE DE COMMANDE UTILISATEUR POUR SYSTEME DE TRANSFERT THERMIQUE**
[72] MARTE, SEAN DOUGLAS, CA
[72] LEUNG, THOMAS KING FU, CA
[73] GREEN MATTERS TECHNOLOGIES INC.,
[86] (2844242)
[87] (2844242)
[22] 2014-02-27
[30] US (13/837474) 2013-03-15

[11] **2,844,659**
[13] C
[51] **Int.Cl. G01M 15/00 (2006.01) F02D 41/14 (2006.01) G01M 15/04 (2006.01) G01M 15/11 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR ENGINE ANALYSIS AND REMOTE ENGINE ANALYSIS**
[54] **PROCEDES ET APPAREIL D'ANALYSE DE MOTEUR ET ANALYSE DE MOTEUR A DISTANCE**
[72] THOMPSON, JOHN, US
[72] HORLBECK, ERIC, US
[72] MCDONALD, DANIEL, US
[72] CHATHAM, GREGORY KEITH, US
[72] CARR, EMERY, US
[72] GRUBBS, WILLIAM A., US
[73] THOMPSON AUTOMOTIVE LABS LLC,
[85] 2014-02-06
[86] 2012-08-09 (PCT/US2012/050127)
[87] (WO2013/023046)
[30] US (61/521,934) 2011-08-10
[30] US (61/641,493) 2012-05-02

[11] **2,845,021**
[13] C
[51] **Int.Cl. G06Q 10/10 (2012.01)**
[25] EN
[54] **DOCUMENT TRACKING TOOL**
[54] **OUTIL DE SUIVI DE DOCUMENT**
[72] KESHKAMAT, SAMEER, IN
[72] GHOUSHALKUMAR, PRABIR, IN
[72] CHOUDHURY, GAUTAM, IN
[72] HAGALWADI, SUHAIL, IN
[73] ACCENTURE GLOBAL SERVICES LIMITED,
[86] (2845021)
[87] (2845021)
[22] 2014-03-06
[30] US (13/842,755) 2013-03-15

[11] **2,845,551**
[13] C
[51] **Int.Cl. A61K 31/428 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **METHODS OF TREATING BACTERIAL INFECTIONS WITH 1,2-BENZISOTHIAZOLINONE AND ISOINDOLINONE DERIVATIVES**
[54] **METHODES DE TRAITEMENT D'INFECTIONS BACTERIENNES AU MOYEN DE DERIVES DE 1,2-BENZISOTHIAZOLINONE ET D'ISOINDOLINONE**
[72] ALEX, DEEPU, US
[72] CALDERONE, RICHARD, US
[72] PETERS, STEPHEN, US
[73] GEORGETOWN UNIVERSITY,
[85] 2014-02-14
[86] 2012-08-16 (PCT/US2012/051123)
[87] (WO2013/025897)
[30] US (61/524,069) 2011-08-16

[11] **2,845,729**
[13] C
[51] **Int.Cl. G07D 11/00 (2019.01) B65B 5/00 (2006.01) B65B 5/12 (2006.01) G07D 9/00 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR AUTOMATICALLY FILLING A COIN CASSETTE**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR REMPLIR AUTOMATIQUEMENT UNE CASSETTE DE PIECES DE MONNAIE**
[72] BLAKE, JOHN R., US
[72] HALLOWELL, CURTIS W., US
[72] JONES, WILLIAM J., US
[72] KRBEC, MARIANNE, US
[73] CUMMINS-ALLISON CORP.,
[86] (2845729)
[87] (2845729)
[22] 2014-03-13
[30] US (13/836,117) 2013-03-15

[11] **2,845,933**
[13] C
[51] **Int.Cl. C07D 417/06 (2006.01) A61K 31/167 (2006.01) A61K 31/341 (2006.01) A61K 31/40 (2006.01) A61K 31/427 (2006.01) A61K 31/4402 (2006.01) A61K 31/4439 (2006.01) A61K 31/445 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/47 (2006.01) A61K 31/495 (2006.01) A61K 31/5375 (2006.01) A61K 31/538 (2006.01) A61K 31/55 (2006.01) A61P 31/18 (2006.01) C07D 211/14 (2006.01) C07D 295/13 (2006.01) C07D 307/52 (2006.01) C07D 401/06 (2006.01)**
[25] EN
[54] **HIV INHIBITORS**
[54] **INHIBITEURS DU VIH**
[72] DEBNATH, ASIM KUMAR, US
[72] CURRELI, FRANCESCA, US
[72] KWONG, PETER D., US
[72] KWON, YOUNG DO, US
[73] NEW YORK BLOOD CENTER, INC.,
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES,
[85] 2014-02-19
[86] 2012-09-06 (PCT/US2012/054009)
[87] (WO2013/036676)
[30] US (61/531,541) 2011-09-06
[30] US (61/532,036) 2011-09-07

[11] **2,846,280**
[13] C
[51] **Int.Cl. B65D 83/14 (2006.01)**
[25] EN
[54] **PARTICULATE SPRAYER**
[54] **PULVERISATEUR DE PARTICULES**
[72] WILSON, TRACIE, US
[72] STONEHOUSE, DAVID RICHARD, GB
[72] NELSON, CRAIG HARVEY, GB
[72] LEE, CARYS ELERI, GB
[72] MARSH, PAUL NIGEL, GB
[72] IMPEY, BENJAMIN ERLAND, GB
[73] MCCORMICK & COMPANY, INCORPORATED,
[85] 2014-02-21
[86] 2012-08-30 (PCT/US2012/053027)
[87] (WO2013/033321)
[30] US (61/529,025) 2011-08-30

[11] **2,846,809**
[13] C
[51] **Int.Cl. E06C 7/08 (2006.01)**
[25] EN
[54] **LADDER**
[54] **ECHELLE**
[72] ZORNEY, PETER A., US
[72] MCMASTER, WILLIAM J., US
[72] BHOSALE, ANKUR, US
[73] BASF SE,
[85] 2014-02-26
[86] 2012-08-24 (PCT/US2012/052217)
[87] (WO2013/032887)
[30] US (61/528,535) 2011-08-29

[11] **2,846,890**
[13] C
[51] **Int.Cl. A61B 18/20 (2006.01) A61C 1/00 (2006.01)**
[25] EN
[54] **LASER BASED COMPUTER CONTROLLED DENTAL PREPARATION SYSTEM**
[54] **SYSTEME DE PREPARATION DENTAIRE COMMANDE PAR ORDINATEUR BASE SUR UN LASER**
[72] MONTY, NATHAN P., US
[73] CONVERGENT DENTAL, INC.,
[85] 2014-02-26
[86] 2012-09-04 (PCT/US2012/053684)
[87] (WO2013/033710)
[30] US (61/530,761) 2011-09-02

[11] **2,847,089**
[13] C
[51] **Int.Cl. C08G 18/18 (2006.01) B29C 44/12 (2006.01) B29C 44/38 (2006.01) F16L 13/02 (2006.01) F16L 58/18 (2006.01) F16L 59/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING INSULATED PIPES HAVING IMPROVED PROPERTIES**
[54] **PROCEDE DE FABRICATION DE TUYAUX ISOLES A PROPRIETES AMELIOREES**
[72] GRIESER-SCHMITZ, CHRISTOF, DE
[72] TOMASI, GIANPAOLO, DE
[72] WINDELER, LUDWIG, DE
[72] POPOV, ALEX, DE
[72] ELLERSIEK, CARSTEN, DE
[72] HALWE-BOMMELMANN, ANNIKA, DE
[73] BASF SE,
[85] 2014-02-27
[86] 2012-08-29 (PCT/EP2012/066719)
[87] (WO2013/030203)
[30] EP (11179510.0) 2011-08-31

[11] **2,849,964**
[13] C
[51] **Int.Cl. A01K 1/03 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE, SYSTEM COMPRISING SUCH DEVICE AND METHOD FOR AUTOMATIC DETECTION OF CAGE CONDITION AND PRESENCE.**
[54] **DISPOSITIF ELECTRONIQUE, SYSTEME COMPORTANT UN TEL DISPOSITIF ET PROCEDE DE DETECTION AUTOMATIQUE D'ETAT D'UNE CAGE ET DE PRESENCE.**
[72] BERNARDINI, PIETRO, IT
[72] MALNATI, GIOVANNI, IT
[73] TECNIPLAST S.P.A.,
[85] 2014-03-25
[86] 2012-09-28 (PCT/EP2012/069196)
[87] (WO2013/045620)
[30] US (61/541,326) 2011-09-30

[11] **2,850,805**
[13] C
[51] **Int.Cl. F24C 3/10 (2006.01) F23Q 3/00 (2006.01)**
[25] EN
[54] **HOME COOKING APPLIANCE WITH AN ELECTRODE CHAMBER**
[54] **APPAREIL DE CUISSON DOMESTIQUE DOTE D'UNE CHAMBRE D'ELECTRODE**
[72] BLALOCK, EDWARD, US
[72] FREEMAN, JOHN, US
[72] RUTHERFORD, MICHAEL, US
[73] BSH HOME APPLIANCES CORPORATION,
[86] (2850805)
[87] (2850805)
[22] 2014-05-01
[30] US (13/923,462) 2013-06-21

[11] **2,852,860**
[13] C
[51] **Int.Cl. C07K 7/02 (2006.01) A61K 47/68 (2017.01) A61K 38/06 (2006.01) A61K 38/07 (2006.01) A61K 38/08 (2019.01) A61P 35/00 (2006.01) C07K 5/02 (2006.01) C07K 5/027 (2006.01)**
[25] EN
[54] **CYTOTOXIC PEPTIDES AND ANTIBODY DRUG CONJUGATES THEREOF**
[54] **PEPTIDES CYTOTOXIQUES ET CONJUGUES ANTICORPS-MEDICAMENTS DE CEUX-CI**
[72] DOROSKI, MATTHEW DAVID, US
[72] MADERNA, ANDREAS, US
[72] O'DONNELL, CHRISTOPHER JOHN, US
[72] SUBRAMANYAM, CHAKRAPANI, US
[72] VETELINO, BETH COOPER, US
[72] DUSHIN, RUSSELL GEORGE, US
[72] STROP, PAVEL, US
[72] GRAZIANI, EDMUND IDRIS, US
[73] PFIZER INC.,
[85] 2014-04-17
[86] 2012-11-07 (PCT/IB2012/056224)
[87] (WO2013/072813)
[30] US (61/561,255) 2011-11-17
[30] US (61/676,423) 2012-07-27

[11] **2,855,707**
[13] C
[51] **Int.Cl. A01M 31/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCING ODORS IN A BLIND**
[54] **SYSTEME ET PROCEDE DE REDUCTION DES ODEURS DANS UN STORE**
[72] ELROD, SCOTT, US
[73] ELROD, SCOTT,
[85] 2014-05-12
[86] 2012-11-21 (PCT/US2012/066220)
[87] (WO2013/078282)
[30] US (13/302,886) 2011-11-22
[30] US (13/302,815) 2011-11-22

[11] **2,856,354**
[13] C
[51] **Int.Cl. C09D 5/00 (2006.01)**
[25] EN
[54] **MARKED COATING COMPOSITION AND METHOD FOR ITS AUTHENTICATION**
[54] **COMPOSITION DE REVETEMENT MARQUE ET SON PROCEDE D'AUTHENTIFICATION**
[72] NOUZILLE, ERIC, CH
[72] DEMANGE, RAYNALD, CH
[72] DEGOTT, PIERRE, CH
[73] SICPA HOLDING SA,
[85] 2014-05-20
[86] 2012-11-28 (PCT/EP2012/073820)
[87] (WO2013/079521)
[30] EP (11009457.0) 2011-11-30

[11] **2,856,595**
[13] C
[51] **Int.Cl. C07G 1/00 (2011.01) C08H 8/00 (2010.01) C08J 3/03 (2006.01) C08L 97/00 (2006.01)**
[25] EN
[54] **PROCESS FOR OBTAINING LOW MOLECULAR WEIGHT LIGNIN (LML)**
[54] **PROCEDE POUR OBTENIR DE LA LIGNINE A BAS POIDS MOLECULAIRE (NML)**
[72] TERS, THOMAS, AT
[72] FACKLER, KARIN, AT
[72] MESSNER, KURT, AT
[72] ERTL, ORTWIN, AT
[73] ANNIKKI GMBH,
[85] 2014-05-22
[86] 2012-11-26 (PCT/EP2012/073574)
[87] (WO2013/079431)
[30] EP (11190969.3) 2011-11-28

[11] **2,856,695**
[13] C
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **DATA CENTER COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT D'UN CENTRE DE TRAITEMENT DE DONNEES**
[72] LEVESQUE, PIERRE, CA
[73] FNX-INNOV INC.,
[85] 2014-05-22
[86] 2011-11-22 (PCT/US2011/061870)
[87] (WO2013/077858)

[11] **2,858,983**
[13] C
[51] **Int.Cl. A61K 38/43 (2006.01) A61K 9/08 (2006.01) A61P 27/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR TREATING NUCLEIC ACID-RELATED EYE DISEASE**
[54] **COMPOSITION ET METHODE DE TRAITEMENT DE MALADIES DES YEUX LIEES A L'ACIDE NUCLEIQUE**
[72] JAIN, SANDEEP, US
[73] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS,
[85] 2014-06-11
[86] 2012-08-20 (PCT/US2012/051562)
[87] (WO2013/089835)
[30] US (61/569,604) 2011-12-12
[30] US (61/600,377) 2012-02-17

[11] **2,859,285**
[13] C
[51] **Int.Cl. H04L 9/28 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **TERMINATING SSL CONNECTIONS WITHOUT LOCALLY-ACCESSIBLE PRIVATE KEYS**
[54] **FERMETURE DE CONNEXIONS SSL SANS CLES PRIVEES LOCALEMENT ACCESSIBLES**
[72] GERO, CHARLES E., US
[72] SHAPIRO, JEREMY N., US
[72] BURD, DANA J., US
[73] AKAMAI TECHNOLOGIES, INC.,
[85] 2014-06-13
[86] 2012-12-17 (PCT/US2012/070075)
[87] (WO2013/090894)
[30] US (61/576,378) 2011-12-16
[30] US (13/714,656) 2012-12-14

[11] **2,859,857**
[13] C
[51] **Int.Cl. B02C 23/06 (2006.01)**
[25] EN
[54] **EFFICIENCY INCREASE IN DEVICES FOR SEPARATING SOLID PARTICLES ACCORDING TO SIZE**
[54] **AUGMENTATION DE L'EFFICACITE DE DISPOSITIFS DE SEPARATION DE PARTICULES SOLIDES PAR TAILLE**
[72] MACKLIN, MICHAEL, NZ
[72] MULLER, THOMAS, DE
[73] SIKA TECHNOLOGY AG,
[85] 2014-06-19
[86] 2012-12-19 (PCT/EP2012/076233)
[87] (WO2013/092763)
[30] EP (11195090.3) 2011-12-22

[11] **2,860,511**
[13] C
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/142 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **SPLIT AND SIDE-PORTED CATHETER DEVICES**
[54] **DISPOSITIFS CATHETERS A FENTE ET A OUVERTURES LATERALES**
[72] HORVATH, JOSHUA, US
[72] POLITIS, VICTOR, US
[72] RICHARDS, STEPHEN, US
[72] PETTIS, RONALD, US
[72] SEARLE, GARY, US
[72] RIXMAN-SWINNEY, MONICA, US
[72] BOLICK, NATASHA, US
[73] BECTON, DICKINSON AND COMPANY,
[85] 2014-07-03
[86] 2013-01-04 (PCT/US2013/020342)
[87] (WO2013/103864)
[30] US (61/583,564) 2012-01-05

[11] **2,860,940**
[13] C
[51] **Int.Cl. G01R 31/54 (2020.01) G01R 31/66 (2020.01) B60R 16/02 (2006.01) B60W 20/00 (2016.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HIGH VOLTAGE CABLE DETECTION IN HYBRID VEHICLES**
[54] **SYSTEME ET PROCEDE POUR DETECTION DE CABLE HAUTE TENSION DANS DES VEHICULES HYBRIDES**
[72] MOGA, VIOREL N., US
[73] ALLISON TRANSMISSION, INC.,
[85] 2014-07-10
[86] 2013-01-11 (PCT/US2013/021111)
[87] (WO2013/106626)
[30] US (61/585,667) 2012-01-12

[11] **2,861,193**
[13] C
[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/00 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 40/00 (2016.01)**
[25] EN
[54] **RUMINANT FEED ENHANCING ENERGY METABOLISM IN MILK PRODUCTION**
[54] **ALIMENTS POUR RUMINANTS AMELIORANT LE METABOLISME ENERGETIQUE EN PRODUCTION DE LAIT**
[72] HOLMA, MERJA, FI
[73] BENEMILK LTD.,
[85] 2014-07-14
[86] 2013-01-31 (PCT/FI2013/000005)
[87] (WO2013/113982)
[30] FI (20120031) 2012-01-31
[30] EP (12397519.5) 2012-06-20

[11] **2,861,460**
[13] C
[51] **Int.Cl. A61B 17/86 (2006.01) A61B 17/04 (2006.01) A61B 17/88 (2006.01) A61F 2/08 (2006.01)**
[25] EN
[54] **COMPRESSION SCREW SYSTEM**
[54] **SYSTEME A VIS DE COMPRESSION**
[72] BOUDUBAN, NICOLAS, CH
[72] BURKI, PATRICK, CH
[72] HULLIGER, URS, CH
[72] GEDET, PHILIPPE, CH
[72] LECHMANN, BEAT, CH
[72] SINGHATAT, WAMIS, US
[72] LARSEN, SCOTT, US
[73] DEPUY SYNTHES PRODUCTS, INC.,
[85] 2014-07-16
[86] 2013-01-22 (PCT/US2013/022569)
[87] (WO2013/112477)
[30] US (61/589,947) 2012-01-24

[11] **2,862,235**
[13] C
[51] **Int.Cl. G01W 1/00 (2006.01) G01W 1/18 (2006.01)**
[25] EN
[54] **USING LIGHTNING DATA TO GENERATE PROXY REFLECTIVITY DATA**
[54] **UTILISATION DE DONNEES D'ECLAIR POUR GENERER DES DONNEES DE REFLECTIVITE INDIRECTES**
[72] LIU, CHONGLIN, US
[72] MARSHALL, ROBERT S., US
[72] NOVAKOVSKAIA, ELENA, US
[72] SLOOP, CHRISTOPHER DALE, US
[73] EARTH NETWORKS, INC.,
[85] 2014-07-17
[86] 2013-01-16 (PCT/US2013/021701)
[87] (WO2013/109601)
[30] US (61/588,087) 2012-01-18

[11] **2,862,279**
[13] C
[51] **Int.Cl. A21B 3/13 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRODUCING BAKED GOODS**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION DE PRODUITS DE BOULANGERIE**
[72] HOBEL, MICHAEL, AT
[72] KRAIHAMER, NORBERT, AT
[72] AUGENDOPLER, PETER, AT
[73] HOBEL, MICHAEL,
[73] KRAIHAMER, NORBERT,
[73] AUGENDOPLER, PETER,
[73] H.U. PRIVATSTIFTUNG,
[85] 2014-07-23
[86] 2013-01-29 (PCT/AT2013/050026)
[87] (WO2013/116884)
[30] AT (A 50024/2012) 2012-02-06

[11] **2,862,452**
[13] C
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/20 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **NON-ROLLING AEROSOL-GENERATING DEVICE**
[54] **SYSTEME ET DISPOSITIF DE GENERATION D'AEROSOL NE ROULANT PAS**
[72] PLOJOUX, JULIEN, CH
[72] RUSCIO, DANI, CH
[72] MANCA, LAURENT, CH
[73] PHILIP MORRIS PRODUCTS S.A.,
[85] 2014-06-30
[86] 2012-12-28 (PCT/EP2012/077088)
[87] (WO2013/102613)
[30] EP (12150114.2) 2012-01-03
[30] EP (12155254.1) 2012-02-13

[11] **2,862,585**
[13] C
[51] **Int.Cl. H04L 12/24 (2006.01)**
[25] EN
[54] **CONTROLLER AND METHOD FOR CONTROLLING COMMUNICATION SERVICES FOR APPLICATIONS ON A PHYSICAL NETWORK**
[54] **DISPOSITIF DE COMMANDE ET PROCEDE DE COMMANDE DE SERVICES DE COMMUNICATION POUR DES APPLICATIONS SUR UN RESEAU PHYSIQUE**
[72] HUTH, HANS-PETER, DE
[72] HOUYOU, AMINE MOHAMED, DE
[73] SIEMENS AKTIENGESELLSCHAFT,
[85] 2014-07-24
[86] 2013-01-25 (PCT/EP2013/051401)
[87] (WO2013/110742)
[30] EP (12000488.2) 2012-01-26

[11] **2,863,392**
[13] C
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **HARD SURFACE DISINFECTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DESINFECTION DE SURFACE DURE**
[72] GARNER, MICHAEL SCOTT, US
[72] SMIGELSKI, THOMAS, US
[72] LYSLO, WALDEMAR JOHN, US
[72] ESCOLIN, TIMOTHY MATHEW G., US
[73] SURFACIDE, LLC,
[85] 2014-07-30
[86] 2013-01-31 (PCT/US2013/024220)
[87] (WO2013/116566)
[30] US (61/593,182) 2012-01-31

[11] **2,863,494**
[13] C
[51] **Int.Cl. A61K 36/54 (2006.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A61P 19/02 (2006.01) A61P 19/04 (2006.01) C07J 75/00 (2006.01) C11B 1/04 (2006.01) C11B 1/06 (2006.01) C11B 1/10 (2006.01) C11B 3/12 (2006.01)**
[25] FR
[54] **USE OF AVOCADO SKIN FOR OBTAINING AN AVOCADO UNSAPONIFIABLE MATERIAL ENRICHED WITH SATURATED ALIPHATIC HYDROCARBONS AND WITH STEROLS**
[54] **UTILISATION DE PEAU D'AVOCAT POUR OBTENIR UN INSAPONIFIABLE D'AVOCAT ENRICHI EN HYDROCARBURES ALIPHATIQUES SATURES ET EN STEROLS**
[72] MSIKA, PHILIPPE, FR
[72] LEGRAND, JACQUES, FR
[72] GARNIER, SEBASTIEN, FR
[73] LABORATOIRES EXPANSCIENCE,
[85] 2014-07-09
[86] 2013-01-14 (PCT/EP2013/050580)
[87] (WO2013/104793)
[30] FR (1250367) 2012-01-13

[11] **2,863,867**
[13] C
[51] **Int.Cl. C08L 23/08 (2006.01) C10M 143/00 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITIONS HAVING IMPROVED PROPERTIES AS VISCOSITY INDEX IMPROVERS AND USE THEREOF IN LUBRICATING OILS**
[54] **PROPRIETES : COMPOSITIONS DE POLYMERES PRESENTANT DES PROPRIETES AMELIOREES EN TANT QU'AMELIORANTS D'INDICE DE VISCOSITE ET LEUR UTILISATION DANS DES HUILES LUBRIFIANTES**
[72] DATTA, SUDHIN, US
[72] MATSUNAGA, PHILLIP, T., US
[72] NASS, KIRK, A., US
[72] PATEL, PRITESH, A., US
[72] KOLB, RAINER, US
[73] CHEVRON ORONITE COMPANY LLC,
[85] 2014-08-05
[86] 2012-12-28 (PCT/US2012/071952)
[87] (WO2013/126141)
[30] US (13/365,698) 2012-02-03
[30] US (13/365,678) 2012-02-03

[11] **2,864,721**
[13] C
[51] **Int.Cl. A01K 11/00 (2006.01)**
[25] EN
[54] **EAR TAG ASSEMBLY AND METHOD OF MANUFACTURE**
[54] **ETIQUETTE D'OREILLE ET PROCEDE DE FABRICATION**
[72] NIELSON, GLENN ARDEN, US
[72] KNAPP, RONALD K., US
[73] Y-TEX CORPORATION,
[85] 2014-08-14
[86] 2013-02-27 (PCT/US2013/027906)
[87] (WO2013/130523)
[30] US (61/603,530) 2012-02-27

[11] **2,865,262**
[13] C
[51] **Int.Cl. C07D 403/12 (2006.01) A01N 43/707 (2006.01) A01N 43/713 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOUNDS**
[54] **COMPOSES HERBICIDES**
[72] MITCHELL, GLYNN, GB
[72] SAGEOT, OLIVIA ANABELLE, GB
[73] SYNGENTA LIMITED,
[85] 2014-08-21
[86] 2013-03-27 (PCT/EP2013/056569)
[87] (WO2013/144231)
[30] GB (1205654.5) 2012-03-29

[11] **2,865,315**
[13] C
[51] **Int.Cl. A61K 31/194 (2006.01) A61K 33/06 (2006.01) A61K 33/14 (2006.01) A61P 7/08 (2006.01)**
[25] EN
[54] **DIALYSIS COMPOSITION COMPRISING CITRATE, CALCIUM AND MAGNESIUM**
[54] **COMPOSITION DE DIALYSE COMPRENANT DU CITRATE, DU CALCIUM ET DU MAGNESIUM**
[72] NILSSON, ANDERS, SE
[72] STERNBY, JAN, SE
[72] WIESLANDER, ANDERS, SE
[73] GAMBRO LUNDIA AB,
[85] 2014-08-22
[86] 2013-03-05 (PCT/EP2013/054386)
[87] (WO2013/131906)
[30] SE (1250217-5) 2012-03-08
[30] US (61/608,660) 2012-03-09

[11] **2,865,757**
[13] C
[51] **Int.Cl. G01R 19/00 (2006.01) G01R 1/28 (2006.01) G01R 1/36 (2006.01) G01R 19/10 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **ELECTRICAL CURRENT MEASURING APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE MESURE DE COURANT ELECTRIQUE**
[72] KADONOFF, MICHAEL JORDAN, CA
[73] KADONOFF, MICHAEL JORDAN,
[86] (2865757)
[87] (2865757)
[22] 2014-09-30
[30] US (61/884994) 2013-09-30

[11] **2,865,866**
[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **METHOD FOR EFFICIENT DYNAMIC GRIDDING**
[54] **PROCEDE POUR UN MAILLAGE DYNAMIQUE EFFICACE**
[72] HOTEIT, HUSSEIN, US
[72] CHAWATHE, ADWAIT, US
[73] CHEVRON U.S.A. INC.,
[86] (2865866)
[87] (2865866)
[22] 2014-10-03
[30] US (14/049877) 2013-10-09

[11] **2,865,874**
[13] C
[51] **Int.Cl. A61K 35/744 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A23L 2/52 (2006.01) A61P 25/00 (2006.01) A61P 25/20 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **CIRCADIAN RHYTHM-IMPROVING AGENT**
[54] **AGENT D'AMELIORATION DU RYTHME CIRCADIEN**
[72] OOISHI, KATSUTAKA, JP
[72] MIYAZAKI, KOYOMI, JP
[72] ITOH, NANAKO, JP
[72] YAMAMOTO, SAORI, JP
[72] NAKAKITA, YASUKAZU, JP
[72] KANEDA, HIROTAKA, JP
[73] NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY,
[73] SAPPORO HOLDINGS LIMITED,
[85] 2014-08-28
[86] 2013-02-08 (PCT/JP2013/053091)
[87] (WO2013/129085)
[30] JP (2012-046806) 2012-03-02

[11] **2,866,086**
[13] C
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/435 (2006.01) A61K 31/506 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07F 9/6558 (2006.01) C07F 9/6596 (2006.01)**
[25] EN
[54] **SERINE/THREONINE KINASE INHIBITORS**
[54] **INHIBITEURS DE LA SERINE / THREONINE KINASE**
[72] BLAKE, JAMES F., US
[72] CHICARELLI, MARK JOSEPH, US
[72] GARREY, RUSTAM FERDINAND, US
[72] GAUDINO, JOHN, US
[72] GRINA, JONAS, US
[72] MORENO, DAVID A., US
[72] MOHR, PETER J., US
[72] REN, LI, US
[72] SCHWARZ, JACOB, US
[72] CHEN, HUIFEN, US
[72] ROBARGE, KIRK, US
[72] ZHOU, AIHE, US
[73] ARRAY BIOPHARMA INC.,
[73] GENENTECH, INC.,
[85] 2014-08-29
[86] 2013-03-01 (PCT/US2013/028622)
[87] (WO2013/130976)
[30] US (61/605,523) 2012-03-01

[11] **2,866,218**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5025 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **LIVER X RECEPTOR MODULATORS**
[54] **MODULATEURS DU RECEPTEUR X DU FOIE**
[72] DONG, CHENGGUO, US
[72] FAN, YI, US
[72] LEFTHERIS, KATERINA, US
[72] LOTESTA, STEPHEN, US
[72] SINGH, SURESH B., US
[72] TICE, COLIN, US
[72] ZHAO, WEI, US
[72] ZHENG, YAJUN, US
[72] ZHUANG, LINGHANG, US
[73] VITAE PHARMACEUTICALS, LLC,
[85] 2014-08-26
[86] 2013-03-14 (PCT/US2013/031242)
[87] (WO2013/138565)
[30] US (61/612,051) 2012-03-16

[11] **2,866,347**
[13] C
[51] **Int.Cl. G10L 15/00 (2013.01) G10L 19/06 (2013.01) H04M 3/527 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FINGERPRINTING DATASETS**
[54] **SYSTEME ET PROCEDE DE PRISE D'EMPREINTE D'ENSEMBLES DE DONNEES**
[72] VLACK, KEVIN, US
[72] WYSS, FELIX IMMANUEL, US
[73] INTERACTIVE INTELLIGENCE, INC.,
[85] 2014-09-04
[86] 2013-03-04 (PCT/US2013/028788)
[87] (WO2013/148069)
[30] US (13/432,838) 2012-03-28

[11] **2,866,445**
[13] C
[51] **Int.Cl. E02F 9/00 (2006.01) E02F 3/36 (2006.01)**
[25] EN
[54] **OVERHEAD VIEW SYSTEM FOR A SHOVEL**
[54] **SYSTEME DE VUE AERIENNE POUR PELLETEUSE**
[72] HARGRAVE, BRIAN K., JR., US
[72] REILAND, MATTHEW J., US
[72] MUNOZ, RYAN A., US
[72] KOXLIEN, STEVEN, US
[72] SISNEROS, PAUL, US
[73] JOY GLOBAL SURFACE MINING INC,
[85] 2014-09-04
[86] 2013-03-29 (PCT/US2013/034664)
[87] (WO2013/149179)
[30] US (61/617,516) 2012-03-29
[30] US (61/763,229) 2013-02-11
[30] US (13/826,547) 2013-03-14

[11] **2,867,794**
[13] C
[51] **Int.Cl. C12N 1/00 (2006.01) C07K 14/535 (2006.01)**
[25] EN
[54] **METHOD FOR THE PRODUCTION OF POLYPEPTIDES**
[54] **PROCEDE DE PRODUCTION DE POLYPEPTIDES**
[72] FELFOLDI, FERENC, HU
[72] OLASZ, KATALIN, HU
[72] KOZMA, JOZSEF, HU
[73] RICHTER GEDEON NYRT.,
[85] 2014-09-18
[86] 2013-03-18 (PCT/EP2013/055529)
[87] (WO2013/068602)
[30] HU (P1200171) 2012-03-19

[11] **2,868,179**
[13] C
[51] **Int.Cl. C12P 7/40 (2006.01) C11D 3/386 (2006.01) C12N 9/18 (2006.01)**
[25] EN
[54] **ENZYMES USEFUL FOR PERACID PRODUCTION**
[54] **ENZYMES UTILES POUR LA PRODUCTION DE PERACIDE**
[72] PAYNE, MARK SCOTT, US
[72] DICOSIMO, ROBERT, US
[73] E. I. DU PONT DE NEMOURS AND COMPANY,
[85] 2014-09-22
[86] 2013-03-13 (PCT/US2013/030767)
[87] (WO2013/148187)
[30] US (61/618,393) 2012-03-30

[11] **2,868,220**
[13] C
[51] **Int.Cl. G02F 1/133 (2006.01) G02F 1/1334 (2006.01)**
[25] EN
[54] **POWER SUPPLY OF AN ELECTRICALLY CONTROLLABLE LIQUID CRYSTAL GLAZING, AND METHOD FOR POWERING SUCH A GLAZING**
[54] **ALIMENTATION D'UN VITRAGE ELECTROCOMMANDABLE A CRISTAUX LIQUIDES, PROCEDE D'ALIMENTATION D'UN TEL VITRAGE**
[72] ZHANG, JINGWEI, FR
[72] CHENNEVIERE, HUGUES, FR
[73] CARDINAL IG COMPANY,
[85] 2014-09-23
[86] 2013-03-29 (PCT/FR2013/050703)
[87] (WO2013/144526)
[30] FR (1252943) 2012-03-30

[11] **2,868,650**
[13] C
[51] **Int.Cl. G02C 7/08 (2006.01) G02B 3/14 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO DEFORMABLE MEMBRANE ASSEMBLIES**
[54] **AMELIORATIONS DANS OU RELATIVES A DES ENSEMBLES DE MEMBRANES DEFORMABLES**
[72] STEVENS, ROBERT EDWARD, GB
[72] EDGINTON, ALEX, GB
[72] HOLLAND, BENJAMIN THOMAS TRISTRAM, GB
[72] RHODES, DANIEL PAUL, GB
[72] PIETROPINTO, DIJON, GB
[72] BEAN, DEREK PAUL FORBES, GB
[72] CLARKE, ROGER BRIAN MINCHIN, GB
[72] CROSSLEY, PETER LEE, GB
[72] MURRAY, RICHARD LEEFE DOUGLAS, GB
[72] STONE, EDWIN JAMES, GB
[73] ADLENS LIMITED,
[85] 2014-09-26
[86] 2012-12-14 (PCT/EP2012/075549)
[87] (WO2013/143630)
[30] GB (1205394.8) 2012-03-27
[30] GB (PCT/GB2012/051426) 2012-06-20
[30] GB (1221140.5) 2012-11-23

[11] **2,869,127**
[13] C
[51] **Int.Cl. C07D 251/46 (2006.01) A61K 31/53 (2006.01) A61K 31/5377 (2006.01) A61P 25/04 (2006.01) A61P 43/00 (2006.01) C07D 401/04 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 403/12 (2006.01) C07D 405/06 (2006.01) C07D 405/12 (2006.01) C07D 409/06 (2006.01) C07D 409/12 (2006.01) C07D 409/14 (2006.01) C07D 413/04 (2006.01) C07D 417/06 (2006.01)**
[25] EN
[54] **TRIAZINONE COMPOUND AND T-TYPE CALCIUM CHANNEL INHIBITOR**
[54] **COMPOSE TRIAZINONE ET INHIBITEUR DES CANAUX CALCIQUES DE TYPE T**
[72] SAITO, NORIKO, JP
[72] EGI, JUN, JP
[72] NAGAI, HIROSHI, JP
[72] UENO, MEGUMI, JP
[72] SHINTANI, YUSUKE, JP
[72] INABA, YUSUKE, JP
[72] ADACHI, MICHIAKI, JP
[72] HIRAI, YUICHI, JP
[72] KAWAZU, TAKESHI, JP
[72] YASUTAKE, KOICHI, JP
[72] TAKAHASHI, DAIKI, JP
[73] NISSAN CHEMICAL INDUSTRIES, LTD.,
[85] 2014-09-30
[86] 2013-03-29 (PCT/JP2013/059589)
[87] (WO2013/147183)
[30] JP (2012-081163) 2012-03-30
[30] JP (2013-039267) 2013-02-28

[11] **2,869,274**
[13] C
[51] **Int.Cl. B27B 25/02 (2006.01) A01G 23/083 (2006.01)**
[25] EN
[54] **ARRANGEMENT IN CONNECTION WITH A FEED ROLLER**
[54] **AGENCEMENT ASSOCIE A UN ROULEAU D'ALIMENTATION**
[72] PENTTIMIES, TIMO, FI
[73] PENTTIMIES, TIMO,
[85] 2014-10-01
[86] 2013-04-15 (PCT/FI2013/050410)
[87] (WO2013/156677)
[30] FI (U20120072) 2012-04-20

[11] **2,869,423**
[13] C
[51] **Int.Cl. E04G 21/32 (2006.01) E04B 7/00 (2006.01)**
[25] EN
[54] **SAFETY BAND LONGITUDINAL AND TRANSVERSE CONTROL**
[54] **CONTROLE DE POSITIONNEMENT TRANSVERSAL ET LONGITUDINAL D'UNE BANDE DE SECURITE**
[72] MCLAIN, MICHAEL J., US
[72] PENDLEY, TIMOTHY, US
[73] MATE, LLC,
[86] (2869423)
[87] (2869423)
[22] 2014-10-31
[30] US (14/205,107) 2014-03-11

[11] **2,869,426**
[13] C
[51] **Int.Cl. C07D 471/14 (2006.01) A61K 31/4745 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) A61P 31/12 (2006.01) A61P 33/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEW PYRIDO [3,4-C] [1,9] PHENANTHROLINE AND 11, 12 DIHYDROPYRIDO [3,4 -C] [1,9] PHENANTHROLINE DERIVATIVES AND THE USE THEREOF, PARTICULARLY FOR TREATING CANCER**
[54] **NOUVEAUX DERIVES DE PYRIDO[3,4-C]-[1,9]PHENANTHROLINE ET 11,12-DIHYDRO[3,4-C]-[1,9]PHENANTHROLINE ET LEUR UTILISATION, EN PARTICULIER POUR TRAITER LE CANCER**
[72] CLEMENT, BERND, DE
[72] MEIER, CHRISTOPHER, DE
[72] HEBER, DIETER, DE
[72] STENZEL, LARS, DE
[73] CHRISTIAN-ALBRECHTS-UNIVERSITAT ZU KIEL,
[85] 2014-10-02
[86] 2013-04-05 (PCT/EP2013/057212)
[87] (WO2013/150140)
[30] DE (10 2012 006 903.0) 2012-04-05

[11] **2,869,473**
[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07K 16/42 (2006.01)**
[25] EN
[54] **HUMANIZED AND CHIMERIC ANTI-FACTOR BB ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-FACTEUR BB HUMANISES ET CHIMERIQUES, ET LEURS UTILISATIONS**
[72] BANSAL, REKHA, US
[73] NOVELMED THERAPEUTICS, INC.,
[85] 2014-10-02
[86] 2013-04-02 (PCT/US2013/034982)
[87] (WO2013/152020)
[30] US (61/619,858) 2012-04-03

[11] **2,869,477**
[13] C
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 29/00 (2006.01) A61P 37/00 (2006.01) C07K 16/42 (2006.01)**
[25] EN
[54] **HUMANIZED AND CHIMERIC ANTI-FACTOR C3 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-FACTEUR C3 HUMANISES ET CHIMERIQUES, ET LEURS UTILISATIONS**
[72] BANSAL, REKHA, US
[73] NOVELMED THERAPEUTICS, INC.,
[85] 2014-10-02
[86] 2013-04-02 (PCT/US2013/034990)
[87] (WO2013/152024)
[30] US (61/619,860) 2012-04-03

[11] **2,869,929**
[13] C
[51] **Int.Cl. F01D 25/28 (2006.01) B25B 13/10 (2006.01) B25B 13/48 (2006.01) F02C 7/20 (2006.01)**
[25] FR
[54] **TOOL FOR LOOSENING A CONNECTING NUT OF A ROTOR OF A MODULE FOR A GAS-TURBINE ENGINE**
[54] **OUTILLAGE DE DEVISSAGE D'UN ECROU DE LIAISON D'UN ROTOR DE MODULE DE MOTEUR A TURBINE A GAZ**
[72] TAILPIED, FABRICE, FR
[73] SNECMA,
[85] 2014-10-08
[86] 2013-05-02 (PCT/FR2013/050976)
[87] (WO2013/164549)
[30] FR (1254027) 2012-05-02

[11] **2,870,312**
[13] C
[51] **Int.Cl. G01C 21/16 (2006.01) B61L 25/02 (2006.01) G01C 23/00 (2006.01) G01F 23/00 (2006.01) G01F 23/296 (2006.01) G01F 25/00 (2006.01) G07C 5/08 (2006.01)**
[25] EN
[54] **MOBILE ASSET DATA RECORDER AND TRANSMITTER**
[54] **ENREGISTREUR ET TRANSMETTEUR DE DONNEES DE BIEN MOBILE**
[72] MATTA, LISA A., US
[72] JORDAN, LAWRENCE B., JR., US
[73] WI-TRONIX, LLC,
[85] 2014-10-10
[86] 2013-04-12 (PCT/US2013/036408)
[87] (WO2013/155437)
[30] US (61/624,142) 2012-04-13
[30] US (13/861,826) 2013-04-12

[11] **2,870,352**
[13] C
[51] **Int.Cl. B60J 7/22 (2006.01)**
[25] EN
[54] **ROOF SPOILER MOUNTING SYSTEM**
[54] **SYSTEME DE MONTAGE DE DEFLECTEUR DE TOIT**
[72] WEBER, MICHAEL GLENN, US
[72] NEWBERRY, BRADLEY CHARLES, CA
[72] CAMPBELL, CHRISTOPHER WADE, CA
[72] HAMALAINEN, JANI PETRI, CA
[72] STEED, GLENN DAVID, CA
[73] TIERCON CORP.,
[73] WEBER, MICHAEL GLENN,
[85] 2014-10-10
[86] 2013-04-15 (PCT/US2013/036599)
[87] (WO2013/155523)
[30] US (61/623,963) 2012-04-13

[11] **2,870,495**
[13] C
[51] **Int.Cl. G01F 11/04 (2006.01) B67D 7/04 (2010.01) G01F 11/06 (2006.01)**
[25] EN
[54] **DEVICE FOR DISPENSING CHARGES OF A FLUID**
[54] **DISPOSITIF DE DISTRIBUTION DE CHARGES D'UN FLUIDE**
[72] VAN DER HULST, WILLEM, IT
[73] GROENEVELD TRANSPORT EFFICIENCY B.V.,
[85] 2014-10-14
[86] 2013-04-17 (PCT/NL2013/050274)
[87] (WO2013/157940)
[30] NL (2008659) 2012-04-19

[11] **2,871,664**
[13] C
[51] **Int.Cl. B01J 8/38 (2006.01)**
[25] FR
[54] **ROTARY DISC DEVICE IN A ROTARY FLUIDISED BED AND METHOD USING SAID DEVICE**
[54] **DISPOSITIF DE DISQUE ROTATIF DANS UN LIT FLUIDIFIE ROTATIF ET PROCEDES UTILISANT CE DISPOSITIF**
[72] DE BROQUEVILLE, AXEL, BE
[73] DE BROQUEVILLE, AXEL,
[85] 2014-10-27
[86] 2013-04-04 (PCT/BE2013/000016)
[87] (WO2013/170321)
[30] BE (2012/0322) 2012-05-15

[11] **2,872,715**
[13] C
[51] **Int.Cl. C01B 32/20 (2017.01) H01M 4/133 (2010.01) H01M 4/583 (2010.01) H01G 11/42 (2013.01) C01B 32/21 (2017.01) C01B 32/23 (2017.01) C08K 9/10 (2006.01) C09C 3/06 (2006.01) H01M 4/14 (2006.01)**
[25] EN
[54] **SURFACE-MODIFIED CARBON HYBRID PARTICLES, METHODS OF MAKING, AND APPLICATIONS OF THE SAME**
[54] **PARTICULES HYBRIDES DE CARBONE MODIFIEES EN SURFACE, LEURS PROCEDES DE FABRICATION ET LEURS APPLICATIONS**
[72] CERICOLA, DARIO, CH
[72] JURI, GIOVANNI, CH
[72] ZURCHER, SIMONE, CH
[72] SPAHR, MICHAEL E., CH
[73] IMERYS GRAPHITE & CARBON SWITZERLAND LTD.,
[85] 2014-11-05
[86] 2013-03-15 (PCT/EP2013/055370)
[87] (WO2013/174536)
[30] US (61/649,412) 2012-05-21
[30] EP (12168742.0) 2012-05-21

[11] **2,874,297**
[13] C
[51] **Int.Cl. B66C 1/18 (2006.01)**
[25] EN
[54] **ENDLESS SHAPED ARTICLE**
[54] **OBJET A FORME SANS FIN**
[72] BOSMAN, RIGOBERT, NL
[72] WIENKE, DIETRICH, NL
[72] KERSJES, JOHANNA GERTRUDA, NL
[72] HOMMINGA, JOZEF SIEGFRIED JOHANNES, NL
[72] MARISSEN, ROELOF, NL
[72] DIRKS, CHRISTIAAN HENRI PETER, NL
[73] DSM IP ASSETS B.V.,
[85] 2014-11-20
[86] 2013-06-11 (PCT/EP2013/062015)
[87] (WO2013/186206)
[30] EP (12171543.7) 2012-06-11

[11] **2,874,820**
[13] C
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/513 (2006.01)**
[25] EN
[54] **DISINTEGRABLE AND PRESERVATION STABLE SOLID PREPARATION**
[54] **PREPARATION SOLIDE PRESENTANT UNE PROPRIETE DE DESINTEGRATION ET UNE STABILITE DE CONSERVATION**
[72] HARADA, MAIKO, JP
[72] YAMANE, IKUROU, JP
[72] MISAKI, MASAFUMI, JP
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED,
[85] 2014-11-26
[86] 2013-06-04 (PCT/JP2013/065905)
[87] (WO2013/183784)
[30] JP (2012-128360) 2012-06-05

[11] **2,874,966**
[13] C
[51] **Int.Cl. A61K 39/215 (2006.01)**
[25] EN
[54] **VACCINATION WITH CANINE RESPIRATORY CORONAVIRUS FOR PROTECTION AGAINST B. BRONCHISEPTICA INFECTIONS**
[54] **VACCINATION AVEC LE CORONAVIRUS RESPIRATOIRE CANIN POUR LA PROTECTION CONTRE LES INFECTIONS PAR B. BRONCHISEPTICA**
[72] SHIELDS, SHELLY LYNN, US
[72] ABDELMAGID, OMAR YOUSIF, US
[73] ZOETIS SERVICES LLC,
[85] 2014-11-26
[86] 2013-05-24 (PCT/US2013/042590)
[87] (WO2013/181086)
[30] US (61/653,558) 2012-05-31

[11] **2,875,239**
[13] C
[51] **Int.Cl. B01J 13/02 (2006.01)**
[25] EN
[54] **MICROEMULSIONS AND USES THEROF AS NANOREACTORS OR DELIVERY VEHICLES**
[54] **MICROEMULSIONS ET LEURS UTILISATIONS EN TANT QUE NANOREACTEURS OU VECTEURS D'ADMINISTRATION**
[72] BASEETH, SHIREEN, US
[72] JADHAV, SWAPNIL, US
[73] ARCHER-DANIELS-MIDLAND COMPANY,
[85] 2014-11-28
[86] 2013-06-28 (PCT/US2013/048588)
[87] (WO2014/005029)
[30] US (61/666,378) 2012-06-29

[11] **2,875,986**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 9/48 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **CRYSTALLINE FORMS OF A BRUTON'S TYROSINE KINASE INHIBITOR**
[54] **FORMES CRISTALLINES D'UN INHIBITEUR DE TYROSINE KINASE DE BRUTON**
[72] PURRO, NORBERT, US
[72] SMYTH, MARK, US
[72] GOLDMAN, ERICK, US
[72] WIRTH, DAVID D., US
[73] PHARMACYCLICS LLC,
[85] 2014-12-04
[86] 2013-06-03 (PCT/US2013/043888)
[87] (WO2013/184572)
[30] US (61/655,381) 2012-06-04

[11] **2,876,093**
[13] C
[51] **Int.Cl. G07B 15/06 (2011.01) G08G 1/0967 (2006.01)**
[25] EN
[54] **ON BOARD UNIT WITH POWER MANAGEMENT**
[54] **UNITE EMBARQUEE A GESTION DE CONSOMMATION ELECTRIQUE**
[72] ROGO, JOHAN, SE
[72] POVOLNY, ROBERT, AT
[72] KRAPFENBAUER, MARKUS, AT
[72] LIEBHART, HEINZ, AT
[73] KAPSCH TRAFFICCOM AB,
[85] 2014-12-09
[86] 2013-07-03 (PCT/EP2013/064075)
[87] (WO2014/006111)
[30] EP (12174784.4) 2012-07-03

[11] **2,876,238**
[13] C
[51] **Int.Cl. H04M 1/725 (2006.01) H04N 1/00 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM**
[54] **SYSTEME DE COMMUNICATION**
[72] ROSENBERG, JONATHAN DAVID, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC,
[85] 2014-12-09
[86] 2013-06-25 (PCT/US2013/047445)
[87] (WO2014/004411)
[30] US (13/536,495) 2012-06-28

[11] **2,876,547**
[13] C
[51] **Int.Cl. F28F 19/02 (2006.01) F28D 9/00 (2006.01) F28F 21/04 (2006.01)**
[25] EN
[54] **PLATE HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR A PLAQUES**
[72] WAGNER, VOLKER, DE
[73] API SCHMIDT-BRETTEN GMBH & CO. KG,
[85] 2014-12-12
[86] 2013-06-17 (PCT/EP2013/001788)
[87] (WO2013/189587)
[30] DE (10 2012 011 936.4) 2012-06-18

[11] **2,876,616**
[13] C
[51] **Int.Cl. F17C 5/06 (2006.01) F17C 7/04 (2006.01) F17C 13/02 (2006.01)**
[25] FR
[54] **METHOD AND APPARATUS FOR VAPORISING CARBON DIOXIDE-RICH LIQUID**
[54] **PROCEDE ET APPAREIL DE VAPORISATION DE LIQUIDE RICHE EN DIOXYDE DE CARBONE**
[72] BRIGLIA, ALAIN, FR
[72] DARDE, ARTHUR, FR
[72] GRANADOS, LUDOVIC, FR
[72] SZAMLEWSKI, CHRISTOPHE, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE,
[85] 2014-12-12
[86] 2013-07-05 (PCT/FR2013/051608)
[87] (WO2014/009641)
[30] FR (1256777) 2012-07-13

[11] **2,876,690**
[13] C
[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 31/20 (2006.01) C07D 403/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **DIHYDROPYRIMIDINE COMPOUNDS AND THEIR APPLICATION IN PHARMACEUTICALS**
[54] **COMPOSES DE DIHYDROPYRIMIDINE ET LEUR APPLICATION DANS DES PRODUITS PHARMACEUTIQUES**
[72] ZHANG, YINGJUN, CN
[72] REN, QINGYUN, CN
[72] LIU, XINCHANG, CN
[72] GOLDMANN, SIEGFRIED, CN
[73] NORTH & SOUTH BROTHER PHARMACY INVESTMENT COMPANY LIMITED,
[85] 2014-12-15
[86] 2013-08-23 (PCT/CN2013/001001)
[87] (WO2014/029193)
[30] CN (201210303033.4) 2012-08-24
[30] CN (201310116949.3) 2013-04-03

[11] **2,876,984**
[13] C
[51] **Int.Cl. A61F 2/38 (2006.01)**
[25] EN
[54] **ELBOW PROSTHESIS**
[54] **PROTHESE DE COUDE**
[72] WAGNER, TERRY W., US
[72] KINCAID, BRIAN L., US
[72] WALZ, KENTON A., US
[72] HOAG, STEPHEN H., US
[72] MARQUELING, MARK REED, US
[73] ZIMMER, INC.,
[85] 2014-12-16
[86] 2013-06-20 (PCT/US2013/046792)
[87] (WO2013/192408)
[30] US (61/663,452) 2012-06-22
[30] US (13/800,567) 2013-03-13

[11] **2,877,091**
[13] C
[51] **Int.Cl. C11C 3/00 (2006.01) C11C 3/08 (2006.01) C11C 3/14 (2006.01)**
[25] EN
[54] **PROCESSES OF PREPARING ESTOLIDE COMPOUNDS THAT INCLUDE REMOVING SULFONATE RESIDUES**
[54] **PROCEDES DE PREPARATION DE COMPOSES D'ESTOLIDE QUI INCLUENT L'ELIMINATION DE RESIDUS DE SULFONATE**
[72] LUTZ, MARLON, US
[72] LIKHOTVORIK, IGOR, US
[72] ARNOLD, CHRIS, US
[72] THOMPSON, TRAVIS, US
[72] HOGLEN, DEAN KENT, US
[72] WILLIAMS, ERIC LEE, US
[73] BIOSYNTHETIC TECHNOLOGIES, LLC,
[85] 2014-12-17
[86] 2013-03-06 (PCT/US2013/029426)
[87] (WO2013/191750)
[30] US (61/661,010) 2012-06-18

[11] **2,877,191**
[13] C
[51] **Int.Cl. A61M 1/34 (2006.01) G16H 40/63 (2018.01) A61M 1/14 (2006.01) A61M 1/36 (2006.01)**
[25] EN
[54] **DIALYSIS APPARATUS WITH VERSATILE USER INTERFACE AND METHOD AND COMPUTER PROGRAM THEREFOR**
[54] **APPAREIL DE DIALYSE AVEC INTERFACE UTILISATEUR VERSATILE ET PROCEDE ET PROGRAMME INFORMATIQUE ASSOCIES**
[72] STENQUIST, ANITA, SE
[73] GAMBRO LUNDIA AB,
[85] 2014-12-18
[86] 2013-08-27 (PCT/EP2013/067706)
[87] (WO2014/033119)
[30] SE (1250971-7) 2012-08-31
[30] US (61/695,546) 2012-08-31

[11] **2,877,208**
[13] C
[51] **Int.Cl. B23F 17/00 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM AND APPARATUS FOR MACHINING GEARWHEELS**
[54] **PROCEDE, SYSTEME ET APPAREIL POUR USINER DES ROUES D'ENGRENAGE**
[72] SAURIN, CLAUDIO, IT
[73] BRETON SPA,
[85] 2014-12-18
[86] 2013-06-14 (PCT/IB2013/054872)
[87] (WO2014/001941)
[30] IT (TV2012A000122) 2012-06-25

[11] **2,877,353**
[13] C
[51] **Int.Cl. G02C 7/04 (2006.01) G02B 3/14 (2006.01) G02C 7/08 (2006.01)**
[25] EN
[54] **MULTIPLE STATE ELECTROACTIVE OPHTHALMIC DEVICE**
[54] **DISPOSITIF OPHTALMIQUE ELECTRIQUEMENT ACTIF A ETATS MULTIPLES**
[72] OTTS, DANIEL B., US
[72] PUGH, RANDALL B., US
[72] RIALL, JAMES, US
[72] FLITSCH, FREDERICK A., US
[72] TONER, ADAM, US
[73] JOHNSON & JOHNSON VISION CARE, INC.,
[85] 2014-12-18
[86] 2013-06-27 (PCT/US2013/048200)
[87] (WO2014/004839)
[30] US (61/666,160) 2012-06-29

[11] **2,879,200**
[13] C
[51] **Int.Cl. G01T 1/169 (2006.01) G01T 7/00 (2006.01)**
[25] FR
[54] **METHOD FOR MEASURING THE ACTIVITY OF A PHOTON EMISSION SOURCE**
[54] **PROCEDE DE MESURE DE L'ACTIVITE D'UNE SOURCE D'EMISSION DE PHOTONS**
[72] PANZA, FABIEN, FR
[72] GURRIARAN, RODOLFO, FR
[73] INSTITUT DE RADIOPROTECTION ET DE SURETE NUCLEAIRE,
[85] 2015-01-14
[86] 2013-07-19 (PCT/EP2013/065266)
[87] (WO2014/013047)
[30] FR (1257004) 2012-07-19

[11] **2,879,636**
[13] C
[51] **Int.Cl. A61B 17/34 (2006.01) A61M 39/06 (2006.01)**
[25] EN
[54] **OPTICAL TROCAR VISUALIZATION SYSTEM AND APPARATUS**
[54] **SYSTEME ET APPAREIL DE VISUALISATION DE TROCART OPTIQUE**
[72] HOLSTEN, HENRY, US
[72] SMITH, ROBERT, US
[72] EVANS, CHRISTOPHER, US
[73] COVIDIEN LP,
[85] 2015-01-20
[86] 2013-09-26 (PCT/US2013/061831)
[87] (WO2014/052532)
[30] US (61/707,271) 2012-09-28
[30] US (61/707,283) 2012-09-28
[30] US (61/707,293) 2012-09-28

---

[11] **2,880,217**
[13] C
[51] **Int.Cl. B66C 19/00 (2006.01) B65G 47/90 (2006.01) B66C 17/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR MOVING SLABS AND STORE PROVIDED WITH SUCH AN APPARATUS**
[54] **APPAREIL DE DEPLACEMENT DE PLAQUES ET STOCKAGE AVEC UN TEL APPAREIL**
[72] TONCELLI, DARIO, IT
[73] TONCELLI, DARIO,
[85] 2014-12-11
[86] 2013-06-12 (PCT/IB2013/054801)
[87] (WO2013/186713)
[30] IT (TV2012A000116) 2012-06-13

---

[11] **2,880,502**
[13] C
[51] **Int.Cl. H02J 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR IDENTIFYING A SYSTEM ANOMALY IN A POWER DISTRIBUTION SYSTEM**
[54] **PROCEDE D'IDENTIFICATION D'UNE ANOMALIE SYSTEME DANS UN SYSTEME DE DISTRIBUTION D'ENERGIE**
[72] HARAPNUK, BRIAN, CA
[72] LUAN, WENPENG, CA
[72] XU, WILSUN, CA
[73] BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
[85] 2015-01-29
[86] 2012-07-31 (PCT/CA2012/000739)
[87] (WO2014/019055)

---

[11] **2,880,829**
[13] C
[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/30 (2006.01)**
[25] FR
[54] **MOVING TURBINE BLADE**
[54] **AUBE MOBILE DE TURBINE**
[72] DUPEYRE, RAPHAEL, FR
[72] BASSERY, JOSSERAND, FR
[72] BOULAY, VINCENT FRANCOIS, FR
[73] SNECMA,
[85] 2015-01-30
[86] 2013-07-19 (PCT/FR2013/051748)
[87] (WO2014/020258)
[30] FR (1257602) 2012-08-03

---

[11] **2,881,438**
[13] C
[51] **Int.Cl. A46B 9/06 (2006.01) A46B 1/00 (2006.01)**
[25] EN
[54] **INTERDENTAL CLEANER**
[54] **DISPOSITIF DE NETTOYAGE INTERDENTAIRE**
[72] BUTZ, JURGEN, DE
[72] POTSCH, GERHARD, DE
[72] RUMMELE, MARKUS, DE
[72] HAUSER, HANNES, DE
[72] LEHR, STEFFEN, DE
[73] INTERBROS GMBH,
[85] 2015-02-09
[86] 2013-07-20 (PCT/EP2013/002154)
[87] (WO2014/023395)
[30] DE (10 2012 015 663.4) 2012-08-09

---

[11] **2,881,800**
[13] C
[51] **Int.Cl. A47C 7/00 (2006.01) A47C 1/022 (2006.01) A47C 1/024 (2006.01)**
[25] EN
[54] **CHAIR ASSEMBLY**
[54] **ENSEMBLE CHAISE**
[72] BATTEY, ROBERT J., US
[72] ROSLUND, RICHARD N., JR., US
[72] KARSTEN, GARY L., US
[72] HEIDMANN, KURT R., US
[72] MCCAUGHAN, NATHAN, US
[72] MYDUR, PRADEEP, US
[72] HOLDREDGE, RUSSELL T., US
[72] VANDER VEEN, MARK, US
[72] KRUPICZEWICZ, TODD D., US
[72] BROCK, NATHAN R., US
[72] HALL, JEFFREY A., US
[72] PETERSON, GORDON J., US
[72] ANDRES, TODD T., US
[73] STEELCASE INC.,
[85] 2015-02-11
[86] 2013-09-19 (PCT/US2013/060555)
[87] (WO2014/047252)
[30] US (61/703,677) 2012-09-20
[30] US (61/703,667) 2012-09-20
[30] US (61/703,666) 2012-09-20
[30] US (61/703,515) 2012-09-20
[30] US (61/703,663) 2012-09-20
[30] US (61/703,659) 2012-09-20
[30] US (61/703,661) 2012-09-20
[30] US (61/754,803) 2013-01-21
[30] US (14/029,141) 2013-09-17

---

[11] **2,882,917**
[13] C
[51] **Int.Cl. B23K 31/12 (2006.01) B23K 31/02 (2006.01) G01N 23/02 (2006.01) G01N 23/04 (2018.01)**
[25] EN
[54] **SYSTEM FOR RADIOGRAPHIC INSPECTION OF WELDS**
[54] **DISPOSITIF D'INSPECTION RADIOGRAPHIQUE DE SOUDURES**
[72] MOLENAAR, MARCEL MEIJLOM, NL
[72] MULDER, BERNARDUS NORBERTUS, NL
[72] HARTWIGSEN, MARTIN ANDER, NL
[73] RONTGEN TECHNISCHE DIENST B.V.,
[86] (2882917)
[87] (2882917)
[22] 2015-02-24
[30] NL (2012329) 2014-02-26

[11] **2,883,550**
[13] C
[51] **Int.Cl. C11D 3/395 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01) C11D 3/02 (2006.01) C11D 7/02 (2006.01) C11D 7/54 (2006.01)**
[25] EN
[54] **TARGETED PERFORMANCE OF HYPOHALITE COMPOSITIONS, METHODS AND SYSTEMS THEREOF**
[54] **PERFORMANCE CIBLEE DE COMPOSITIONS D'HYPOHALITE, PROCEDES ET SYSTEMES ASSOCIES**
[72] GARNER, DEWAIN, US
[72] SMITH, WILLIAM L., US
[72] HEYMANN, JARED, US
[73] THE CLOROX COMPANY,
[85] 2015-03-02
[86] 2012-11-12 (PCT/US2012/064678)
[87] (WO2013/122636)
[30] US (61/600,348) 2012-02-17
[30] US (13/672,461) 2012-11-08
[30] US (13/672,955) 2012-11-09
[30] US (13/672,911) 2012-11-09

[11] **2,884,552**
[13] C
[51] **Int.Cl. C22F 1/10 (2006.01) B21B 3/00 (2006.01) B21B 15/00 (2006.01) B21C 1/00 (2006.01)**
[25] EN
[54] **THERMO-MECHANICAL PROCESSING OF NICKEL-TITANIUM ALLOYS**
[54] **TRAITEMENT THERMOMECANIQUE D'ALLIAGES DE NICKEL-TITANE**
[72] VAN DOREN, BRIAN, US
[72] SCHLEGEL, SCOTT, US
[72] WISSMAN, JOSEPH, US
[73] ATI PROPERTIES LLC,
[85] 2015-03-05
[86] 2014-02-27 (PCT/US2014/018846)
[87] (WO2014/189580)
[30] US (13/843,748) 2013-03-15

[11] **2,886,002**
[13] C
[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/113 (2010.01) A61K 31/4184 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61K 31/713 (2006.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) C07K 14/46 (2006.01) C07K 14/71 (2006.01) C07K 16/18 (2006.01) C07K 16/30 (2006.01) C07K 19/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/02 (2006.01) C12Q 1/02 (2006.01) C12Q 1/04 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **FGFR3 FUSION GENE AND PHARMACEUTICAL DRUG TARGETING SAME**
[54] **GENE DE FUSION FGFR3 ET MEDICAMENT PHARMACEUTIQUE CIBLANT CELUI-CI**
[72] NAKANISHI, YOSHITO, JP
[72] AKIYAMA, NUKINORI, JP
[72] NISHITO, YUKARI, JP
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA,
[85] 2015-03-24
[86] 2013-09-27 (PCT/JP2013/076200)
[87] (WO2014/051022)
[30] JP (2012-214739) 2012-09-27
[30] JP (2013-149217) 2013-07-18

[11] **2,888,201**
[13] C
[51] **Int.Cl. C22C 9/04 (2006.01)**
[25] EN
[54] **BRASS ALLOY AND PROCESSED PART AND WETTED PART**
[54] **ALLIAGE DE CUIVRE ET PARTIE TRAITEE ET PARTIE MOUILLEE**
[72] TAMEDA, HIDENOBU, JP
[72] TERUI, HISANORI, JP
[72] ITO, KEI, JP
[72] OZASA, TOMOYUKI, JP
[73] KITZ CORPORATION,
[73] KITZ METALWORKS CORPORATION,
[85] 2015-04-13
[86] 2013-04-08 (PCT/JP2013/060652)
[87] (WO2014/069020)
[30] JP (2012-241138) 2012-10-31

[11] **2,888,364**
[13] C
[51] **Int.Cl. B02C 2/00 (2006.01) B02C 23/02 (2006.01)**
[25] EN
[54] **CRUSHER FEED HOPPER WEAR PROTECTION CASSETTE**
[54] **CASSETTE DE PROTECTION CONTRE L'USURE D'UNE TREMIE D'ALIMENTATION DE CONCASSEUR**
[72] MALMQVIST, PATRIC, SE
[72] LARSSON, MIKAEL M., SE
[72] ERIKSSON, FREDRIK, SE
[72] ERIKSSON, BENGT-ARNE, SE
[72] BERGMAN, AXEL, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB,
[85] 2015-04-15
[86] 2013-10-08 (PCT/EP2013/070867)
[87] (WO2014/072135)
[30] EP (12191767.8) 2012-11-08

[11] **2,888,366**
[13] C
[51] **Int.Cl. B02C 2/00 (2006.01) B02C 17/22 (2006.01)**
[25] EN
[54] **CRUSHER WEAR RESISTANT LINER**
[54] **GARNITURE RESISTANTE A L'USURE POUR BROYEUR**
[72] MALMQVIST, PATRIC, SE
[72] LARSSON, MIKAEL M., SE
[72] ERIKSSON, BENGT-ARNE, SE
[72] BERGMAN, AXEL, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB,
[85] 2015-04-15
[86] 2013-10-08 (PCT/EP2013/070868)
[87] (WO2014/072136)
[30] EP (12191768.6) 2012-11-08

[11] **2,888,597**
[13] C
[51] **Int.Cl. G02B 6/125 (2006.01) G02B 6/122 (2006.01)**
[25] EN
[54] **BENT OPTICAL WAVEGUIDE**
[54] **GUIDE D'ONDE OPTIQUE COURBE**
[72] CHERCHI, MATTEO, FI
[72] AALTO, TIMO, FI
[73] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY,
[85] 2015-04-16
[86] 2013-10-15 (PCT/FI2013/050987)
[87] (WO2014/060648)
[30] FI (20126084) 2012-10-18

[11] **2,888,635**
[13] C
[51] **Int.Cl. A47J 31/36 (2006.01)**
[25] FR
[54] **DEVICE FOR PREPARING BEVERAGES BY POD INFUSION HAVING A PIVOTING CRADLE**
[54] **DISPOSITIF DE PREPARATION DE BOISSON PAR INFUSION DE DOSETTE AVEC BERCEAU PIVOTANT**
[72] FERRIER, CHRISTIAN, FR
[73] TECHNOPOOL SARL,
[85] 2015-04-16
[86] 2013-09-18 (PCT/FR2013/052143)
[87] (WO2014/080097)
[30] FR (1261196) 2012-11-23

[11] **2,888,944**
[13] C
[51] **Int.Cl. C11D 1/62 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01)**
[25] EN
[54] **ESTERQUAT COMPOSITION HAVING HIGH TRIESTERQUAT CONTENT**
[54] **COMPOSITION D'ESTERQUAT PRESENTANT UNE TENEUR ELEVEE EN TRIESTERQUAT**
[72] SCHRAMM, CHARLES J., JR., US
[72] TRUONG, KATIE, US
[72] WISNIEWSKI, KAREN L., US
[73] COLGATE-PALMOLIVE COMPANY,
[85] 2015-04-21
[86] 2012-12-11 (PCT/US2012/068967)
[87] (WO2014/092692)

[11] **2,889,696**
[13] C
[51] **Int.Cl. F26B 3/00 (2006.01)**
[25] EN
[54] **A DRYER FOR DRYING A MINERAL SAMPLE**
[54] **SECHOIR POUR LE SECHAGE D'UN ECHANTILLON DE MINERAI**
[72] HOHENSTEIN, BOYNE FRIEDERICH, AU
[73] FLSMIDTH A/S,
[85] 2015-04-27
[86] 2013-10-04 (PCT/AU2013/001145)
[87] (WO2014/078887)
[30] AU (2012905073) 2012-11-20

[11] **2,890,946**
[13] C
[51] **Int.Cl. A23K 50/40 (2016.01) A23K 10/00 (2016.01) A23K 10/20 (2016.01) A23K 10/30 (2016.01) A23K 20/00 (2016.01) A23K 20/142 (2016.01) A23K 20/163 (2016.01)**
[25] EN
[54] **ANTI-AGING FOODS FOR COMPANION ANIMALS**
[54] **ALIMENTS ANTI-VIEILLISSEMENT POUR ANIMAUX DE COMPAGNIE**
[72] JEWELL, DENNIS, US
[72] BROCKMAN, JEFFREY, US
[73] HILL'S PET NUTRITION, INC.,
[85] 2015-05-11
[86] 2012-12-14 (PCT/US2012/069609)
[87] (WO2014/092716)

[11] **2,891,813**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SMART WASTE COLLECTION SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME DE COLLECTE DE DECHETS INTELLIGENTS**
[72] KEKALAINEN, FREDRIK, FI
[72] ENGSTROM, JOHAN, FI
[73] ENEVO OY,
[85] 2015-05-19
[86] 2013-11-25 (PCT/EP2013/003547)
[87] (WO2014/079586)
[30] GB (1221164.5) 2012-11-25

[11] **2,892,966**
[13] C
[51] **Int.Cl. E04H 17/14 (2006.01) E04B 1/38 (2006.01) E04F 11/18 (2006.01) E04F 13/00 (2006.01) E04G 5/14 (2006.01) E05D 3/00 (2006.01) F16B 12/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE SAFETY PANEL CONNECTOR**
[54] **RACCORD DE PANNEAU DE SECURITE REGLABLE**
[72] GILL, SHANE PETER, AU
[73] BART'S LTD,
[85] 2015-05-28
[86] 2013-12-05 (PCT/AU2013/001418)
[87] (WO2014/085864)
[30] AU (2012905326) 2012-12-05

[11] **2,893,015**
[13] C
[51] **Int.Cl. E05F 15/603 (2015.01)**
[25] EN
[54] **DEVICE FOR DETECTING THE POSITION OF AN AUTOMATED DOOR AND METHOD**
[54] **DISPOSITIF POUR DETECTER LA POSITION D'UNE PORTE AUTOMATISEE ET PROCEDE**
[72] BALDER, JAN, NL
[73] ASSA ABLOY ENTRANCE SYSTEMS AB,
[85] 2015-05-28
[86] 2013-12-05 (PCT/EP2013/075603)
[87] (WO2014/086899)
[30] SE (1251393-3) 2012-12-07

[11] **2,893,060**
[13] C
[51] **Int.Cl. B61F 5/04 (2006.01)**
[25] EN
[54] **SWING BOLSTER, SWING BOLSTER VIBRATION REDUCTION ASSEMBLY AND BOGIE**
[54] **TRAVERSE, ENSEMBLE AMORTISSEUR DE VIBRATIONS DE TRAVERSE ET BOGIE**
[72] YIN, PINGWEI, CN
[72] XU, SHIFENG, CN
[72] LIU, ZHENMING, CN
[72] ZHANG, DERONG, CN
[72] LIANG, HAO, CN
[73] QIQIHAR RAILWAY ROLLING STOCK CO.,LTD. DALIAN R&D CENTRE,
[73] QIQIHAR RAILWAY ROLLING STOCK CO., LTD.,
[85] 2015-05-29
[86] 2014-06-27 (PCT/CN2014/081020)
[87] (WO2015/078180)
[30] CN (201310617318.X) 2013-11-27

[11] **2,893,662**
[13] C
[51] **Int.Cl. B65D 47/06 (2006.01)**
[25] EN
[54] **UPWARDLY BIASING CHILD-RESISTANT CLOSURE FOR LIQUID MEDICAMENTS**
[54] **FERMETURE A L'EPREUVE DES ENFANTS A SOLLICITATION ASCENDANTE POUR MEDICAMENTS LIQUIDES**
[72] MANERA, DAVID A., US
[72] DALY, JOHN B., US
[73] COMAR, LLC,
[85] 2015-06-02
[86] 2013-12-19 (PCT/US2013/076412)
[87] (WO2014/100345)
[30] US (61/739,445) 2012-12-19

[11] **2,897,512**
[13] C
[51] **Int.Cl. G07F 17/32 (2006.01) G06F 3/0481 (2013.01) G06F 3/0485 (2013.01)**
[25] EN
[54] **A WAGERING INTERFACE**
[54] **INTERFACE DE PARI**
[72] BARTOSIK, OLIVER, AT
[73] NOVOMATIC AG,
[85] 2015-07-08
[86] 2014-01-31 (PCT/EP2014/051910)
[87] (WO2014/118323)
[30] GB (1301718.1) 2013-01-31

[11] **2,898,294**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4439 (2006.01) A61K 31/519 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **HETEROAROMATIC COMPOUNDS AS PI3 KINASE MODULATORS**
[54] **COMPOSES HETERO-AROMATIQUES EN TANT QUE MODULATEURS DE PI3 KINASE**
[72] XI, NING, US
[73] CALITOR SCIENCES, LLC,
[73] NORTH & SOUTH BROTHER PHARMACY INVESTMENT COMPANY LIMITED,
[85] 2015-07-15
[86] 2014-02-15 (PCT/US2014/016643)
[87] (WO2014/130375)
[30] US (61/767,721) 2013-02-21

[11] **2,898,628**
[13] C
[51] **Int.Cl. C09J 7/29 (2018.01) E04F 15/00 (2006.01) E04F 15/18 (2006.01) E04F 21/20 (2006.01)**
[25] EN
[54] **COMPOSITE ADHESIVE TAPE**
[54] **RUBAN ADHESIF COMPOSITE**
[72] DALEY, SHAWN BRUCE JOSEPH, CA
[73] DALEY, SHAWN BRUCE JOSEPH,
[85] 2015-07-20
[86] 2013-01-18 (PCT/CA2013/050036)
[87] (WO2013/106939)
[30] US (61/589,017) 2012-01-20

[11] **2,899,506**
[13] C
[51] **Int.Cl. B64D 33/02 (2006.01) F02C 7/08 (2006.01)**
[25] FR
[54] **STRUCTURE FOR FEEDING AIR TO AN AUXILIARY POWER UNIT IN AN AIRCRAFT**
[54] **ARCHITECTURE D'ALIMENTATION EN AIR D'UN GROUPE AUXILIAIRE DE PUISSANCE DANS UN AERONEF**
[72] RIDEAU, JEAN-FRANCOIS, FR
[72] SILET, FABIEN, FR
[73] MICROTURBO,
[85] 2015-07-27
[86] 2014-01-23 (PCT/FR2014/050124)
[87] (WO2014/118455)
[30] FR (1350726) 2013-01-29

[11] **2,899,566**
[13] C
[51] **Int.Cl. F17C 3/02 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A SEALED AND THERMALLY INSULATING BARRIER FOR A STORAGE TANK**
[54] **PROCEDE DE FABRICATION D'UNE BARRIERE ETANCHE ET THERMIQUEMENT ISOLANTE POUR CUVE DE STOCKAGE**
[72] DUCOUP, LAURENT, FR
[72] LE ROUX, GUILLAUME, FR
[72] LONGUET, VIRGINIE, FR
[72] PELLE, JEROME, FR
[73] GAZTRANSPORT ET TECHNIGAZ,
[85] 2015-07-28
[86] 2014-02-21 (PCT/FR2014/050358)
[87] (WO2014/128414)
[30] FR (1351569) 2013-02-22

[11] **2,900,404**
[13] C
[51] **Int.Cl. F16H 61/38 (2006.01) F16H 57/04 (2010.01) F16H 61/40 (2010.01) F16H 61/42 (2010.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FEED FORWARD CONTROL OF A HYDRAULIC CONTROL SYSTEM OF A TRANSMISSION**
[54] **SYSTEME ET PROCEDE POUR ALIMENTER UNE COMMANDE AVANCEE D'UN SYSTEME DE COMMANDE HYDRAULIQUE DE TRANSMISSION**
[72] LONG, CHARLES F., US
[72] TAYLOR, CHARLES T., US
[73] ALLISON TRANSMISSION, INC.,
[85] 2015-08-05
[86] 2014-03-03 (PCT/US2014/019877)
[87] (WO2014/158755)
[30] US (13/826,527) 2013-03-14

[11] **2,901,684**
[13] C
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 5/02 (2006.01) C07K 5/08 (2006.01) C07K 5/09 (2006.01) C07K 7/02 (2006.01) C07K 7/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **STABILITY-MODULATING LINKERS FOR USE WITH ANTIBODY DRUG CONJUGATES**
[54] **DISPOSITIFS DE LIAISON MODULANT LA STABILITE DESTINES A DES CONJUGATS DE MEDICAMENTS ANTICORPS**
[72] DUSHIN, RUSSELL GEORGE, US
[72] STROP, PAVEL, US
[72] DORYWALSKA, MAGDALENA GRAZYNA, US
[72] MOINE, LUDIVINE, US
[73] PFIZER INC.,
[73] RINAT NEUROSCIENCE CORP.,
[86] (2901684)
[87] (2901684)
[22] 2015-08-25
[30] US (62/042,901) 2014-08-28

[11] **2,902,730**
[13] C
[51] **Int.Cl. G01R 33/422 (2006.01) G01R 33/28 (2006.01)**
[25] EN
[54] **MEANS AND METHODS FOR REDUCING THE ELECTROMAGNETIC ENERGY PROPAGATION FROM AN MRD'S MAGNET-BORE TO THE OUTER ENVIRONMENT SURROUNDING SAID MAGNET, AND VICE VERSA**
[54] **MOYENS ET PROCEDES POUR REDUIRE LA PROPAGATION DE L'ENERGIE ELECTROMAGNETIQUE EMANANT D'UN TUNNEL MAGNETIQUE D'UN DISPOSITIF A RESISTANCE MAGNETIQUE, DANS L'ENVIRONNEMENT EXTERIEUR ENTOURANT LEDIT AIMANT ET INVERSEMENT**
[72] BILU, SHAUL, IL
[72] INBAR, ZAHI, IL
[72] GREENBERG, AMIEL RAZIEL, IL
[72] TOLEDO, ERAN, IL
[73] ASPECT IMAGING LTD.,
[85] 2015-08-26
[86] 2014-03-11 (PCT/IL2014/050244)
[87] (WO2014/141245)
[30] US (61/775,717) 2013-03-11

[11] **2,902,851**
[13] C
[51] **Int.Cl. B64C 11/30 (2006.01) F01D 7/00 (2006.01)**
[25] FR
[54] **VARIABLE-PITCH VANE**
[54] **AUBAGE A CALAGE VARIABLE**
[72] FABRE, ADRIEN, FR
[72] LAURENCEAU, ADRIEN, FR
[72] VLASTUIN, JONATHAN, FR
[73] SNECMA,
[85] 2015-08-27
[86] 2014-02-27 (PCT/FR2014/050433)
[87] (WO2014/132002)
[30] FR (1351848) 2013-03-01

[11] **2,903,103**
[13] C
[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/4196 (2006.01) A61K 31/422 (2006.01) A61K 31/4245 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) A61K 31/4427 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 11/12 (2006.01) C07D 405/04 (2006.01) C07D 413/04 (2006.01) C07D 471/04 (2006.01) C07D 491/052 (2006.01) C07D 493/04 (2006.01)**
[25] EN
[54] **COUMARIN DERIVATIVES AND METHODS OF USE IN TREATING CYSTIC FIBROSIS, CHRONIC OBSTRUCTIVE PULMONARY DISEASE, AND MISFOLDED PROTEIN DISORDERS**
[54] **DERIVES DE COUMARINE ET LEURS METHODES D'UTILISATION DANS LE TRAITEMENT DE LA FIBROSE KYSTIQUE, DE LA BRONCHOPNEUMOPATHIE CHRONIQUE OBSTRUCTIVE ET DES TROUBLES LIES A DES PROTEINES MAL REPLIEES**
[72] SCHWIEBERT, ERIK, US
[72] STREIFF, JOHN, US
[72] DIXON, JOHN, GB
[72] GAO, HONGWU, CN
[73] DISCOVERYBIOMED, INC.,
[85] 2015-08-28
[86] 2014-03-14 (PCT/US2014/027079)
[87] (WO2014/152213)
[30] US (61/788,353) 2013-03-15

[11] **2,903,779**
[13] C
[51] **Int.Cl. G09G 5/34 (2006.01) G06F 3/0482 (2013.01) G06F 3/0485 (2013.01) H04N 5/445 (2011.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **NON-LINEAR NAVIGATION OF DATA REPRESENTATION**
[54] **NAVIGATION NON LINEAIRE DANS UNE REPRESENTATION DE DONNEES**
[72] AUGUSTINE, BRUCE A., US
[72] BEUHLER, ALLYSON J., US
[72] BROOKS, KEVIN M., US
[72] TYCZ, JEFFREY E., US
[72] YUE, XIA, US
[73] ARRIS ENTERPRISES LLC,
[85] 2015-09-02
[86] 2014-03-01 (PCT/US2014/019727)
[87] (WO2014/149578)
[30] US (13/842,620) 2013-03-15

[11] **2,904,002**
[13] C
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12N 15/29 (2006.01)**
[25] EN
[54] **ROOT-PREFERRED PROMOTER AND METHODS OF USE**
[54] **PROMOTEUR DESTINE DE PREFERENCE AUX RACINES ET PROCEDES D'UTILISATION**
[72] CROW, ANDREW C., US
[72] DIEHN, SCOTT, US
[72] PETERSON-BURCH, BROOKE, US
[73] PIONEER HI-BRED INTERNATIONAL, INC.,
[85] 2015-09-03
[86] 2014-03-07 (PCT/US2014/022008)
[87] (WO2014/159113)
[30] US (13/794,917) 2013-03-12

[11] **2,904,300**
[13] C
[51] **Int.Cl. F16L 23/16 (2006.01) F16J 15/10 (2006.01)**
[25] EN
[54] **SEAL ELEMENT FOR ISOLATION GASKET**
[54] **ELEMENT D'ETANCHEITE POUR JOINT D'ISOLATION**
[72] KRAMER, BENJAMIN D., US
[73] LAMONS GASKET COMPANY,
[85] 2015-09-04
[86] 2014-03-04 (PCT/US2014/020330)
[87] (WO2014/138071)
[30] US (61/772,729) 2013-03-05

[11] **2,905,760**
[13] C
[51] **Int.Cl. A61B 3/113 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **ENHANCED NEUROPSYCHOLOGICAL ASSESSMENT WITH EYE TRACKING**
[54] **EVALUATION NEUROPSYCHOLOGIQUE AMELIOREE AVEC POURSUITE OCULAIRE**
[72] ETTENHOFER, MARK L., US
[72] BARRY, DAVID, US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC.,
[85] 2015-09-11
[86] 2014-03-10 (PCT/US2014/022468)
[87] (WO2014/164453)
[30] US (61/779,801) 2013-03-13

[11] **2,905,882**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DEFINING ATTRIBUTES OF ATTENDED DELIVERY/PICKUP LOCATIONS**
[54] **SYSTEMES ET PROCEDES DE DEFINITION D'ATTRIBUTS D'EMPLACEMENTS DE LIVRAISON/D'ENLEVEMENT DESSERVIS**
[72] SCHENKEN, CHRISTOPHER, US
[73] UNITED PARCEL SERVICE OF AMERICA, INC.,
[85] 2015-09-11
[86] 2014-03-11 (PCT/US2014/023649)
[87] (WO2014/164860)
[30] US (61/777,968) 2013-03-12
[30] US (61/791,008) 2013-03-15
[30] US (14/201,241) 2014-03-07

[11] **2,906,820**
[13] C
[51] **Int.Cl. C10L 3/10 (2006.01) B01D 53/14 (2006.01) B01D 53/52 (2006.01)**
[25] EN
[54] **AUXILIARY ACID AND SOUR GAS TREATMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE GAZ SULFUREUX ET D'ACIDE AUXILIAIRE**
[72] ZINK, DONALD LAWRENCE, US
[73] ZINK, DONALD LAWRENCE,
[85] 2015-09-14
[86] 2014-03-14 (PCT/US2014/029499)
[87] (WO2014/153187)
[30] US (61/781,357) 2013-03-14

[11] **2,908,546**
[13] C
[51] **Int.Cl. G09F 3/02 (2006.01) G09F 3/10 (2006.01)**
[25] EN
[54] **LABEL SHEET ASSEMBLY WITH ADHESIVE LABELS**
[54] **ASSEMBLAGE DE FEUILLET D'ETIQUETTE COMPORTANT DES ETIQUETTES ADHESIVES**
[72] TATARYAN, ANAHIT, US
[72] PETRIE, JOSHUA DAVID, US
[72] SATO, JAY KIYOSHI, US
[72] MAMMEN, THOMAS, US
[73] CCL LABEL, INC.,
[85] 2015-09-30
[86] 2014-02-27 (PCT/US2014/018869)
[87] (WO2014/134253)
[30] US (13/778,124) 2013-02-27

[11] **2,908,800**
[13] C
[51] **Int.Cl. B65D 83/38 (2006.01) B65B 11/00 (2006.01) B65D 83/22 (2006.01)**
[25] FR
[54] **BOTTLE FOR PACKAGING LIQUID**
[54] **FLACON DE CONDITIONNEMENT DE LIQUIDE**
[72] DEFEMME, ALAIN, FR
[72] MERCIER, FABRICE, FR
[73] LABORATOIRES THEA,
[85] 2015-10-05
[86] 2014-04-15 (PCT/IB2014/000546)
[87] (WO2014/170736)
[30] FR (13/00893) 2013-04-16

[11] **2,911,520**
[13] C
[51] **Int.Cl. H02H 7/08 (2006.01) H02H 7/12 (2006.01) H02P 9/00 (2006.01) H02P 9/10 (2006.01)**
[25] EN
[54] **MOTOR CONTROL FOR STABILITY AND POWER SUPPLY PROTECTION**
[54] **COMMANDE DE MOTEUR POUR STABILITE ET PROTECTION D'ALIMENTATION ELECTRIQUE**
[72] BENSON, CHRISTOPHER PETE, US
[72] CAMERON, DOUGLAS C., US
[73] THE BOEING COMPANY,
[85] 2015-11-04
[86] 2014-07-01 (PCT/US2014/045048)
[87] (WO2015/002948)
[30] US (13/933,803) 2013-07-02
[30] US (14/096,614) 2013-12-04

[11] **2,912,586**
[13] C
[51] **Int.Cl. A61B 5/00 (2006.01) A61F 13/00 (2006.01) A61G 7/057 (2006.01)**
[25] EN
[54] **PRESSURE DATA ACQUISITION ASSEMBLY**
[54] **ENSEMBLE D'ACQUISITION DE DONNEES DE PRESSION**
[72] COUTTS, DARYL DAVID, CA
[72] EVERETT, JULIA BREANNE, CA
[72] GROENLAND, MARCEL, CA
[72] HEHR, AMANDA RAE, CA
[72] STEVENS, TRAVIS MICHAEL, CA
[72] TURNQUIST, LLEWELLYN LLOYD, CA
[73] ORPYX MEDICAL TECHNOLOGIES INC.,
[85] 2015-11-16
[86] 2014-05-21 (PCT/CA2014/050471)
[87] (WO2014/186894)
[30] US (61/825,871) 2013-05-21

[11] **2,915,446**
[13] C
[51] **Int.Cl. H04N 21/414 (2011.01) H04N 21/4143 (2011.01) H04N 21/44 (2011.01) H04N 21/442 (2011.01) H04N 21/643 (2011.01) H04N 21/647 (2011.01)**
[25] EN
[54] **CONCEPT FOR DETERMINING THE QUALITY OF A MEDIA DATA STREAM WITH VARYING QUALITY-TO-BITRATE**
[54] **CONCEPT DE DETERMINATION DE LA QUALITE D'UN FLUX DE DONNEES MEDIA A RAPPORT QUALITE/DEBIT BINAIRE VARIABLE**
[72] SCHMIDMER, CHRISTIAN, DE
[72] KEYHL, MICHAEL, DE
[72] OBERMANN, MATTHIAS, DE
[72] BITTO, ROLAND, DE
[73] OPTICOM DIPL.-ING. MICHAEL KEYHL GMBH,
[85] 2015-12-14
[86] 2014-06-18 (PCT/EP2014/062853)
[87] (WO2014/202682)
[30] DE (10 2013 211 571.7) 2013-06-19

---

[11] **2,915,835**
[13] C
[51] **Int.Cl. H04L 1/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DESIGNING AND USING MULTIDIMENSIONAL CONSTELLATIONS**
[54] **SYSTEME ET PROCEDE DE CONCEPTION ET D'UTILISATION DE CONSTELLATIONS MULTIDIMENSIONNELLES**
[72] TAHERZADEH BOROUJENI, MAHMOUD, CA
[72] NIKOPOUR, HOSEIN, CA
[72] BAYESTEH, ALIREZA, CA
[72] BALIGH, MOHAMMADHADI, CA
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2015-12-16
[86] 2014-06-17 (PCT/CN2014/080029)
[87] (WO2014/201988)
[30] US (13/919,918) 2013-06-17

---

[11] **2,916,218**
[13] C
[51] **Int.Cl. C01G 49/06 (2006.01) C01F 7/06 (2006.01)**
[25] EN
[54] **PROCESS AND PLANT FOR PURIFYING RED MUD**
[54] **PROCEDE ET INSTALLATION DE PURIFICATION DE BOUE ROUGE**
[72] ADIPURI, ANDREW, DE
[72] GASAFI, EDGAR, DE
[73] OUTOTEC (FINLAND) OY,
[85] 2015-12-17
[86] 2013-07-05 (PCT/EP2013/064325)
[87] (WO2015/000535)

---

[11] **2,916,600**
[13] C
[51] **Int.Cl. E06C 1/12 (2006.01) E06C 7/42 (2006.01)**
[25] EN
[54] **COLLAPSIBLE LADDER**
[54] **ECHELLE PLIANTE**
[72] WESTON, RICHARD, GB
[73] TELETOWER.COM LIMITED,
[85] 2015-12-22
[86] 2013-07-02 (PCT/IB2013/055428)
[87] (WO2014/006568)
[30] GB (1212092.9) 2012-07-06

---

[11] **2,916,636**
[13] C
[51] **Int.Cl. G01M 99/00 (2011.01)**
[25] EN
[54] **HEAT EXCHANGER TESTING DEVICE**
[54] **DISPOSITIF D'ESSAI D'ECHANGEUR DE CHALEUR**
[72] ASPINALL, LAURIN JOSEPH, US
[73] KNEW VALUE, LLC,
[85] 2015-12-22
[86] 2014-07-01 (PCT/US2014/045078)
[87] (WO2015/002966)
[30] US (61/841,643) 2013-07-01

---

[11] **2,917,042**
[13] C
[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/134 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **FUSIBLE ALLOY PLUG IN FLOW CONTROL DEVICE**
[54] **BOUCHON EN ALLIAGE FUSIBLE DANS UN DISPOSITIF DE REGULATION DE DEBIT**
[72] MADELL, GARRET, CA
[72] STALDER, JOHN L., US
[72] STEVENSON, JESSE, CA
[73] CONOCOPHILLIPS COMPANY,
[73] TOTAL E&P CANADA LTD.,
[85] 2015-12-29
[86] 2014-05-30 (PCT/US2014/040326)
[87] (WO2015/002710)
[30] US (61/841,645) 2013-07-01

---

[11] **2,918,269**
[13] C
[51] **Int.Cl. B65G 59/06 (2006.01) B65G 1/08 (2006.01) B65G 47/90 (2006.01) B65G 57/20 (2006.01) B65G 61/00 (2006.01) B66F 9/02 (2006.01)**
[25] EN
[54] **PALLET DISPENSER AND METHOD THEREOF**
[54] **DISTRIBUTEUR DE PALETTES ET SON PROCEDE**
[72] REDMAN, PAUL, CA
[73] REDMAN, PAUL,
[85] 2016-01-14
[86] 2014-03-07 (PCT/IB2014/059533)
[87] (WO2015/008172)
[30] US (61/847,010) 2013-07-16

---

[11] **2,919,188**
[13] C
[51] **Int.Cl. B64D 45/02 (2006.01) F16B 33/00 (2006.01) F16B 37/14 (2006.01)**
[25] EN
[54] **CAP WITH INJECTED SEALANT**
[54] **CAPUCHON AVEC MASTIC D'ETANCHEITE INJECTE**
[72] DOBBIN, RICHARD, GB
[73] AIRBUS OPERATIONS LIMITED,
[85] 2016-01-22
[86] 2014-07-21 (PCT/GB2014/052216)
[87] (WO2015/025130)
[30] GB (1314994.3) 2013-08-21
[30] GB (1321248.5) 2013-12-02

[11] **2,920,167**
[13] C
[51] **Int.Cl. B60N 2/28 (2006.01)**
[25] EN
[54] **CHILD CAR SEAT**
[54] **SIEGE AUTO POUR ENFANT**
[72] ZHOU, BINQING, CN
[72] KUANG, ZHIYONG, CN
[73] GOODBABY CHILD PRODUCTS CO., LTD,
[85] 2016-02-02
[86] 2013-09-17 (PCT/CN2013/083614)
[87] (WO2015/014008)
[30] CN (201310334844.5) 2013-08-02

[11] **2,921,292**
[13] C
[51] **Int.Cl. C08J 7/00 (2006.01) B29C 71/02 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE**
[54] **PROCEDE DE PREPARATION DE POLYETHYLENE DE MASSE MOLECULAIRE ULTRA-ELEVEE**
[72] FREEDMAN, JORDAN H., US
[72] SCHROEDER, DAVID W., US
[73] BIOMET MANUFACTURING, LLC,
[85] 2016-02-11
[86] 2014-08-15 (PCT/US2014/051238)
[87] (WO2015/023931)
[30] US (61/866,452) 2013-08-15
[30] US (14/052,347) 2013-10-11

[11] **2,922,762**
[13] C
[51] **Int.Cl. H01R 13/639 (2006.01)**
[25] EN
[54] **APPARATUS FOR RETAINING PLUG IN A RECEPTACLE**
[54] **APPAREIL PERMETTANT DE RETENIR UNE PRISE MALE DANS UN CONNECTEUR FEMELLE**
[72] HUTCHISON, GORDON, US
[72] PREUSS, JESSE, US
[72] SHEA-SIMONDS, DUNCAN, US
[73] VERTIV CORPORATION,
[85] 2016-02-26
[86] 2014-09-12 (PCT/US2014/055470)
[87] (WO2015/038945)
[30] US (61/877,105) 2013-09-12
[30] US (14/485,154) 2014-09-12

[11] **2,923,129**
[13] C
[51] **Int.Cl. A61K 39/095 (2006.01)**
[25] EN
[54] **NEISSERIA MENINGITIDIS COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS UTILISABLES CONTRE NEISSERIA MENINGITIDIS ET PROCEDES ASSOCIES**
[72] ANDERSON, ANNALIESA SYBIL, US
[72] ARUMUGHAM, RASAPPA GOUNDER, US
[72] FARLEY, JOHN ERWIN, US
[72] FLETCHER, LEAH DIANE, US
[72] HARRIS, SHANNON, US
[72] JANSEN, KATHRIN UTE, US
[72] JONES, THOMAS RICHARD, US
[72] KHANDKE, LAKSHMI, US
[72] LOUN, BOUNTHON, US
[72] PEREZ, JOHN LANCE, US
[72] ZLOTNICK, GARY WARREN, US
[73] PFIZER INC.,
[85] 2016-03-03
[86] 2014-08-27 (PCT/IB2014/064091)
[87] (WO2015/033251)
[30] US (61/875,068) 2013-09-08
[30] US (61/926,717) 2014-01-13
[30] US (61/989,432) 2014-05-06

[11] **2,924,198**
[13] C
[51] **Int.Cl. G02B 6/46 (2006.01)**
[25] EN
[54] **FIBER CABLE AND DROP WIRE ORGANIZER**
[54] **CABLE A FIBRE OPTIQUE ET ORGANISEUR DE FIL D'ENTREE D'ABONNE**
[72] GILBREATH, KYLE BRADFORD, US
[72] FORRESTER, JOSEPH, US
[72] WILSON, JOSHUA C., US
[73] HUBBELL INCORPORATED,
[85] 2016-03-11
[86] 2014-09-18 (PCT/US2014/056271)
[87] (WO2015/042242)
[30] US (61/879,477) 2013-09-18
[30] US (62/037,820) 2014-08-15
[30] US (14/489,095) 2014-09-17

[11] **2,924,364**
[13] C
[51] **Int.Cl. A61B 1/247 (2006.01) A61B 1/253 (2006.01) A61C 17/06 (2006.01)**
[25] EN
[54] **MIRROR-SUCTION-DEVICE WITH A SOLID MIRROR**
[54] **DISPOSITIF DE SUCCION A MIROIR DOTE D'UN MIROIR PLEIN**
[72] CLASEN, STEPHAN, DE
[72] KAYSER, MARTIN, DE
[73] CLEVERDENT LTD.,
[85] 2016-03-15
[86] 2014-09-18 (PCT/EP2014/002529)
[87] (WO2015/039752)
[30] DE (10 2013 110 302.2) 2013-09-18

[11] **2,925,325**
[13] C
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/34 (2013.01)**
[25] EN
[54] **DOCUMENT AUTHENTICATION BASED ON EXPECTED WEAR**
[54] **AUTHENTIFICATION DE DOCUMENTS BASEE SUR L'USURE ATTENDUE**
[72] KRAWCZYK, STEPHEN J., US
[72] COTE, GREGORY M., US
[72] MCCLUNG, MARC S., US
[73] DRAGNET SOLUTIONS, INC.,
[85] 2016-03-22
[86] 2014-09-25 (PCT/US2014/057529)
[87] (WO2015/048335)
[30] US (61/883,133) 2013-09-26

[11] **2,926,315**
[13] C
[51] **Int.Cl. C07G 1/00 (2011.01) C09J 197/00 (2006.01)**
[25] EN
[54] **A METHOD FOR TREATING LIGNIN AND FOR PRODUCING A BINDER COMPOSITION**
[54] **PROCEDE DE TRAITEMENT DE LA LIGNINE ET PROCEDE DE PRODUCTION D'UNE COMPOSITION DE LIANT**
[72] PIETARINEN, SUVI, FI
[72] VALKONEN, SANNA, FI
[72] RINGENA, OKKO, DE
[73] UPM-KYMMENE CORPORATION,
[85] 2016-04-04
[86] 2014-11-25 (PCT/FI2014/050901)
[87] (WO2015/079106)
[30] FI (20136177) 2013-11-26

[11] **2,926,576**
[13] C
[51] **Int.Cl. B01D 35/02 (2006.01) B01D 35/18 (2006.01)**
[25] EN
[54] **WASTE FILTRATION SYSTEM**
[54] **SYSTEME DE FILTRATION DE DECHETS**
[72] MUELLER, LYNN, CA
[73] SHARC INTERNATIONAL SYSTEMS INC.,
[86] (2926576)
[87] (2926576)
[22] 2013-03-18
[62] 2,809,727

[11] **2,929,012**
[13] C
[51] **Int.Cl. G10L 19/005 (2013.01) G10L 25/90 (2013.01) G10L 19/02 (2013.01) G10L 19/08 (2013.01)**
[25] EN
[54] **AUDIO DECODER AND METHOD FOR PROVIDING A DECODED AUDIO INFORMATION USING AN ERROR CONCEALMENT BASED ON A TIME DOMAIN EXCITATION SIGNAL**
[54] **DECODEUR AUDIO ET PROCEDE POUR FOURNIR UNE INFORMATION AUDIO DECODEE EN UTILISANT UNE DISSIMULATION D'ERREUR BASEE SUR UN SIGNAL D'EXCITATION DANS LE DOMAINE TEMPOREL**
[72] LECOMTE, JEREMIE, DE
[72] MARKOVIC, GORAN, DE
[72] SCHNABEL, MICHAEL, DE
[72] PIETRZYK, GRZEGORZ, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
[85] 2016-04-28
[86] 2014-10-27 (PCT/EP2014/073035)
[87] (WO2015/063044)
[30] EP (EP13191133) 2013-10-31
[30] EP (EP14178824) 2014-07-28

[11] **2,929,376**
[13] C
[51] **Int.Cl. A61J 1/20 (2006.01)**
[25] EN
[54] **SYSTEM WITH ADAPTER FOR CLOSED TRANSFER OF FLUIDS**
[54] **SYSTEME AVEC ADAPTATEUR POUR DISTRIBUTION EN CIRCUIT FERME DE FLUIDES**
[72] WEIR, ROSS, GB
[72] WESSELTOFT MOGENSEN, LASSE, GB
[73] BECTON DICKINSON AND COMPANY LIMITED,
[85] 2016-05-02
[86] 2014-11-03 (PCT/EP2014/073528)
[87] (WO2015/067548)
[30] US (61/900,568) 2013-11-06

[11] **2,930,578**
[13] C
[51] **Int.Cl. B28D 1/04 (2006.01) E01C 23/12 (2006.01)**
[25] EN
[54] **CUTTING TOOTH SYSTEM**
[54] **SYSTEME DE DENTS COUPANTES**
[72] RUNQUIST, RANDY, US
[72] HOELTING, KEITH ALLEN, US
[73] VERMEER MANUFACTURING COMPANY,
[85] 2016-05-12
[86] 2014-11-14 (PCT/US2014/065700)
[87] (WO2015/073821)
[30] US (61/904,702) 2013-11-15
[30] US (61/913,150) 2013-12-06

[11] **2,930,890**
[13] C
[51] **Int.Cl. A01K 1/00 (2006.01)**
[25] EN
[54] **BARRIER COMPONENTS FOR ANIMAL STALLS**
[54] **COMPOSANTS BARRIERES POUR STALLES ANIMALIERES**
[72] EARLS, MICHAEL, IE
[73] EARLS, MICHAEL,
[86] (2930890)
[87] (2930890)
[22] 2014-12-12
[62] 2,874,886
[30] GB (1322068.6) 2013-12-13

[11] **2,931,386**
[13] C
[51] **Int.Cl. H04N 19/136 (2014.01) H04N 19/503 (2014.01) H04N 19/593 (2014.01) H04N 19/70 (2014.01) G06T 9/00 (2006.01)**
[25] EN
[54] **ADVANCED SCREEN CONTENT CODING SOLUTION**
[54] **SOLUTION AVANCEE POUR LE CODAGE DU CONTENU D'UN D'ECRAN**
[72] MA, ZHAN, US
[72] WANG, WEI, US
[72] YU, HAOPING, US
[72] WANG, XIAN, US
[72] YE, JING, US
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2016-05-20
[86] 2014-11-24 (PCT/US2014/067155)
[87] (WO2015/077720)
[30] US (61/907,903) 2013-11-22
[30] US (14/549,405) 2014-11-20

[11] **2,931,733**
[13] C
[51] **Int.Cl. F25D 3/08 (2006.01) A01K 97/01 (2006.01) A45F 5/00 (2006.01) B65D 21/08 (2006.01)**
[25] EN
[54] **MARINE DRINK COOLER**
[54] **REFROIDISSEUR DE BOISSON DESTINE A UN USAGE MARIN**
[72] BUTLER, ADAM, CA
[73] BUTLER, ADAM,
[86] (2931733)
[87] (2931733)
[22] 2016-05-31

[11] **2,933,012**
[13] C
[51] **Int.Cl. A01C 7/04 (2006.01)**
[25] EN
[54] **SEEDING HEART FOR A SINGLE-GRAIN SEEDING MACHINE**
[54] **COEUR SEMEUR ET SEMOIR DE PRECISION**
[72] SCHUMACHER, FERDINAND, DE
[72] SCHEIDELER, BERNHARD, DE
[73] KVERNELAND AS,
[85] 2016-06-07
[86] 2015-01-29 (PCT/EP2015/051846)
[87] (WO2015/165598)
[30] EP (14166850.9) 2014-05-02

[11] **2,933,895**
[13] C
[51] **Int.Cl. A42B 3/28 (2006.01) A61B 90/00 (2016.01) A41D 13/11 (2006.01) A41D 13/12 (2006.01) A62B 18/04 (2006.01) A61L 2/00 (2006.01) A61L 9/00 (2006.01)**
[25] EN
[54] **PERSONAL PROTECTION SYSTEM INCLUDING A HELMET, THE HELMET HAVING CHIN BAR MOUNTED CONTROL BUTTONS**
[54] **SYSTEME DE PROTECTION PERSONNELLE COMPRENANT UN CASQUE, LE CASQUE COMPORTANT DES BOUTONS DE COMMANDE INSTALLES SUR UNE BARRE DE MENTON**
[72] VANDERWOUDE, BRIAN, US
[72] PROULX, MARSHALL, US
[72] SCLAFANI, ADAM C., US
[72] FOOR, JACOB C., US
[72] CAMPBELL, DOUGLAS, US
[72] TYLER, DOUGLAS L., US
[72] STRATTON, DENIS A., US
[72] HENNIGES, BRUCE, US
[72] HUYSER, RICHARD, US
[72] AUSTIN, TIMOTHY, US
[73] STRYKER CORPORATION,
[86] (2933895)
[87] (2933895)
[22] 2006-07-13
[62] 2,812,712
[30] US (60/699,166) 2005-07-14

[11] **2,934,874**
[13] C
[51] **Int.Cl. E21F 13/00 (2006.01) B60W 60/00 (2020.01) E21C 41/26 (2006.01) G01C 21/12 (2006.01)**
[25] EN
[54] **MINING MACHINE MANAGEMENT SYSTEM AND MANAGEMENT METHOD**
[54] **SYSTEME DE GESTION DE MACHINE D'EXTRACTION MINIERE ET METHODE DE GESTION**
[72] TOJIMA, MASANORI, JP
[72] RYUMAN, MITSUHIRO, JP
[73] KOMATSU LTD.,
[85] 2016-06-22
[86] 2013-12-27 (PCT/JP2013/085256)
[87] (WO2015/097905)

[11] **2,935,508**
[13] C
[51] **Int.Cl. E21B 33/10 (2006.01) E21B 33/124 (2006.01) E21B 33/129 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **DOWNHOLE PLUG HAVING DISSOLVABLE METALLIC AND DISSOLVABLE ACID POLYMER ELEMENTS**
[54] **BOUCHON DE FOND DE TROU COMPORTANT DES ELEMENTS METALLIQUES DISSOLVABLES ET DES ELEMENTS DE POLYMERE D'ACIDE DISSOLVABLES**
[72] FRAZIER, W. LYNN, US
[73] MAGNUM OIL TOOLS INTERNATIONAL, LTD.,
[86] (2935508)
[87] (2935508)
[22] 2015-04-02
[62] 2,886,988
[30] US (61/974,065) 2014-04-02
[30] US (62/003,616) 2014-05-28
[30] US (62/019,679) 2014-07-01

[11] **2,936,465**
[13] C
[51] **Int.Cl. G01B 21/20 (2006.01) A61B 5/107 (2006.01) G01B 11/245 (2006.01) G01B 11/25 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING A THREE-DIMENSIONAL SCAN OF AN OBJECT**
[54] **PROCEDE ET SYSTEME PERMETTANT DE GENERER UN BALAYAGE TRIDIMENSIONNEL D'UN OBJET**
[72] SABISTON, ROBERT MALCOLM, CA
[72] CHANG, JEFFREY DAVID, CA
[72] SAUNDERS, CARL, CA
[73] VORUM RESEARCH CORPORATION,
[85] 2016-07-11
[86] 2015-01-19 (PCT/CA2015/000033)
[87] (WO2015/109387)
[30] US (61/929,857) 2014-01-21

[11] **2,937,220**
[13] C
[51] **Int.Cl. H01M 4/58 (2010.01) H01M 4/136 (2010.01) H01M 4/1397 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **BATTERY PRODUCTION METHOD**
[54] **METHODE DE PRODUCTION DE PILES**
[72] YAMASAKI, SADAYOSHI, JP
[73] YAMASAKI, SADAYOSHI,
[73] NASU, KAZUAKI,
[85] 2016-07-18
[86] 2014-12-19 (PCT/JP2014/083663)
[87] (WO2015/093590)
[30] JP (2013-263200) 2013-12-20

[11] **2,938,851**
[13] C
[51] **Int.Cl. C22C 38/38 (2006.01) C21D 8/02 (2006.01) C22C 38/12 (2006.01) C22C 38/26 (2006.01) C23C 2/06 (2006.01) C23C 2/12 (2006.01)**
[25] EN
[54] **HOT FORMABLE, AIR HARDENABLE, WELDABLE, STEEL SHEET**
[54] **TOLE D'ACIER THERMOFORMABLE, DURCISSABLE A L'AIR ET POUVANT ETRE SOUDEE**
[72] HASSANI, FARID, US
[72] JUN, HYUN, US
[72] FONSTEIN, NINA, US
[73] ARCELORMITTAL S.A.,
[85] 2016-08-04
[86] 2015-02-05 (PCT/US2015/014694)
[87] (WO2015/120205)
[30] US (61/935,948) 2014-02-05

[11] **2,940,861**
[13] C
[51] **Int.Cl. C02F 9/14 (2006.01) C02F 3/32 (2006.01)**
[25] EN
[54] **BIOREACTOR FOR WATER PURIFICATION AND OPERATION METHOD THEREFOR**
[54] **BIOREACTEUR POUR LA PURIFICATION DE L'EAU ET PROCEDE DE FONCTIONNEMENT DE CELUI-CI**
[72] HU, JAMES Y., CN
[73] PHOTON ECO-CAPTURE PTY LTD.,
[85] 2016-08-26
[86] 2015-02-28 (PCT/CN2015/073453)
[87] (WO2015/127904)
[30] CN (201410072754.8) 2014-02-28

[11] **2,942,696**
[13] C
[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SECONDARY MARKET INTEGRATION WITHIN EXISTING DATA FRAMEWORK**
[54] **INTEGRATION DE MARCHE SECONDAIRE AUX DONNEES EXISTANTES**
[72] HAWKINS, CHRISTOPHER JOHN, US
[72] DANG, LEEANN CHAU TUYET, US
[73] ACCENTURE GLOBAL SERVICES LIMITED,
[86] (2942696)
[87] (2942696)
[22] 2016-09-22
[30] US (14/920,687) 2015-10-22

[11] **2,943,636**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6851 (2018.01)**
[25] EN
[54] **DETECTION OF GENE FUSIONS BY INTRAGENIC DIFFERENTIAL EXPRESSION (IDE) USING AVERAGE CYCLE THRESHOLDS**
[54] **DETECTION DE FUSIONS DE GENES PAR EXPRESSION DIFFERENTIELLE INTRAGENIQUE (IDE) A L'AIDE DE SEUILS DE CYCLE MOYEN**
[72] CHENG, SHIH-MIN, US
[73] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED,
[85] 2016-09-22
[86] 2015-03-24 (PCT/US2015/022230)
[87] (WO2015/148494)
[30] US (61/969,897) 2014-03-25

[11] **2,944,466**
[13] C
[51] **Int.Cl. C07D 213/75 (2006.01) A61K 31/395 (2006.01) A61K 31/44 (2006.01) A61K 31/4439 (2006.01) A61K 31/47 (2006.01) A61K 31/50 (2006.01) A61P 25/00 (2006.01) C07D 213/57 (2006.01) C07D 213/64 (2006.01) C07D 213/74 (2006.01) C07D 215/14 (2006.01) C07D 237/08 (2006.01) C07D 309/18 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 413/10 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **BIARYL KINASE INHIBITORS**
[54] **INHIBITEURS BIARYLE DE KINASE**
[72] LUO, GUANGLIN, US
[72] CHEN, LING, US
[72] DZIERBA, CAROLYN DIANE, US
[72] DITTA, JONATHAN L., US
[72] MACOR, JOHN E., US
[72] BRONSON, JOANNE J., US
[73] BRISTOL-MYERS SQUIBB COMPANY,
[85] 2016-09-29
[86] 2015-04-01 (PCT/US2015/023805)
[87] (WO2015/153720)
[30] US (61/973,942) 2014-04-02
[30] US (62/061,591) 2014-10-08

[11] **2,944,959**
[13] C
[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/4709 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 409/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **SUBSTITUTED NITROGEN-CONTAINING HETEROCYCLIC DERIVATIVES, PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME AND APPLICATIONS OF ANTITUMOR THEREOF**
[54] **DERIVES HETEROCYCLIQUES CONTENANT DE L'AZOTE SUBSTITUE, COMPOSITIONS PHARMACEUTIQUES EN COMPRENANT ET LEURS UTILISATIONS DANS LE CADRE DE LA LUTTE ANTITUMORALE**
[72] DONG, XIAOWU, CN
[72] YANG, BO, CN
[72] LI, JIA, CN
[72] ZHAN, WENHU, CN
[72] WENG, QINJIE, CN
[72] ZHOU, YUBO, CN
[72] HU, YONGZHOU, CN
[72] XU, LEI, CN
[72] LIU, TAO, CN
[72] HE, QIAOJUN, CN
[73] ZHEJIANG UNIVERSITY,
[73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES,
[85] 2016-10-05
[86] 2015-03-21 (PCT/CN2015/074813)
[87] (WO2015/144021)
[30] CN (201410108818.5) 2014-03-22
[30] CN (201410124591.3) 2014-03-30
[30] CN (201510101220.8) 2015-03-08

[11] **2,947,187**
[13] C
[51] **Int.Cl. A01K 1/015 (2006.01)**
[25] EN
[54] **POULTRY BEDDING COMPRISING WOOD SHAVINGS AND SPHAGNUM**
[54] **LITIERE DE VOLAILLE A BASE DE COPEAUX DE BOIS ET DE SPHAIGNE**
[72] OESTERGAARD, JACOB, DK
[73] OESTERGAARD, JACOB,
[73] OESTERGAARD, KAJ,
[85] 2016-10-27
[86] 2015-04-28 (PCT/DK2015/050109)
[87] (WO2015/165473)
[30] DK (PA 2014 70251) 2014-04-29

[11] **2,950,716**
[13] C
[51] **Int.Cl. E06B 1/04 (2006.01) E06B 1/12 (2006.01) E06B 1/36 (2006.01) E06B 1/52 (2006.01)**
[25] EN
[54] **LONG SPAN MASONRY LINTEL SUPPORT SYSTEM**
[54] **DISPOSITIF DE SOUTIEN DE LINTEAU DE MACONNERIE A LONGUE PORTEE**
[72] HOHMANN, RONALD P., JR., US
[72] OSMANSKI, RICHARD, US
[72] MASON, CHRISTOPHER, US
[73] MITEK HOLDINGS, INC.,
[86] (2950716)
[87] (2950716)
[22] 2016-12-02

[11] **2,951,004**
[13] C
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SUTURE DELIVERY**
[54] **SYSTEMES ET PROCEDES DE POSE DE SUTURES**
[72] TANG, HSIAO-WEI, TW
[72] WENG, YU-SHIH, TW
[72] HAN, SHIH-JUI, TW
[72] CHEN, CHUNG-CHU, TW
[72] WANG, SHIH-MING, TW
[72] JUAN, CHUN-CHIA, TW
[73] TERUMO MEDICAL CORPORATION,
[85] 2016-12-01
[86] 2015-06-01 (PCT/IB2015/001590)
[87] (WO2015/186001)
[30] US (62/006,709) 2014-06-02

[11] **2,956,381**
[13] C
[51] **Int.Cl. H01M 4/1391 (2010.01) H01M 4/505 (2010.01)**
[25] EN
[54] **PREPARATION METHOD OF LITHIUM NICKEL MANGANESE OXIDE CATHODE MATERIAL OF BATTERY AND LITHIUM NICKEL MANGANESE OXIDE CATHODE MATERIAL OF BATTERY**
[54] **PROCEDE DE PREPARATION DE MATERIAU D'ELECTRODE POSITIVE DE BATTERIE A L'OXYDE DE LITHIUM-NICKEL-MANGANESE, ET MATERIAU D'ELECTRODE POSITIVE DE BATTERIE A L'OXYDE DE LITHIUM-NICKEL-MANGANESE**
[72] HUANG, CHUN-MING, CN
[72] HSIEH, HAN-WEI, CN
[72] LIN, HSIANG-PIN, CN
[73] ADVANCED LITHIUM ELECTROCHEMISTRY CO., LTD.,
[85] 2017-01-24
[86] 2015-07-23 (PCT/CN2015/084909)
[87] (WO2016/011963)
[30] US (62/029,146) 2014-07-25

[11] **2,959,272**
[13] C
[51] **Int.Cl. G01V 1/30 (2006.01) E21B 47/04 (2012.01) E21B 47/10 (2012.01)**
[25] EN
[54] **METHOD FOR DETERMINING MAXIMUM HORIZONTAL STRESS MAGNITUDE AND DIRECTION IN A SUBSURFACE FORMATION**
[54] **METHODE DE DETERMINATION DE LA MAGNITUDE ET LA DIRECTION DE LA CONTRAINTE HORIZONTALE MAXIMALE DANS UNE FORMATION EN SOUS-SURFACE**
[72] AGHARAZI, ALIREZA, US
[73] MICROSEISMIC, INC.,
[86] (2959272)
[87] (2959272)
[22] 2017-03-01
[30] US (62/302,295) 2016-03-02

[11] **2,959,768**
[13] C
[51] **Int.Cl. C12Q 1/00 (2006.01) C12M 1/34 (2006.01) G01N 33/50 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **DIAGNOSTIC DEVICES WITH MODIFIABLE HYDROPHOBIC SURFACES**
[54] **DISPOSITIFS DE DIAGNOSTIC A SURFACES HYDROPHOBES MODIFIABLES**
[72] PERNG, JOHN, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC.,
[85] 2017-03-01
[86] 2015-08-31 (PCT/US2015/047715)
[87] (WO2016/036658)
[30] US (62/045,707) 2014-09-04

[11] **2,961,020**
[13] C
[51] **Int.Cl. C10G 47/26 (2006.01) B01J 27/049 (2006.01) B01J 38/00 (2006.01)**
[25] EN
[54] **METHOD FOR HYDROCRACKING, METHOD FOR PRODUCING HYDROCRACKED OIL, HYDROCRACKING DEVICE, AND DEVICE FOR PRODUCING HYDROCRACKED OIL**
[54] **PROCEDE D'HYDROCRAQUAGE, PROCEDE DE PRODUCTION D'HYDROCARBURE HYDROCRAQUE, DISPOSITIF D'HYDROCRAQUAGE, ET DISPOSITIF DE PRODUCTION D'HYDROCARBURE HYDROCRAQUE**
[72] MUROTA, MOTOHARU, JP
[72] OKUI, TOSHIAKI, JP
[72] TAKAHASHI, YOICHI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.),
[73] CHIYODA CORPORATION,
[85] 2017-03-10
[86] 2015-09-01 (PCT/JP2015/074890)
[87] (WO2016/056330)
[30] JP (2014-207628) 2014-10-08

[11] **2,961,818**
[13] C
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/107 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **IMAGE DECODING AND ENCODING WITH SELECTABLE EXCLUSION OF FILTERING FOR A BLOCK WITHIN A LARGEST CODING BLOCK**
[54] **DECODAGE ET CODAGE D'IMAGE A EXCLUSION SELECTIONNABLE DE FILTRAGE D'UN BLOC DANS UN BLOC DE CODAGE PLUS GRAND**
[72] MINEZAWA, AKIRA, JP
[72] SUGIMOTO, KAZUO, JP
[72] MIYAZAWA, KAZUYUKI, JP
[72] ITANI, YUSUKE, JP
[72] HATTORI, RYOJI, JP
[72] MORIYA, YOSHIMI, JP
[72] HIWASA, NORIMICHI, JP
[72] SEKIGUCHI, SHUNICHI, JP
[72] MURAKAMI, TOKUMICHI, JP
[73] MITSUBISHI ELECTRIC CORPORATION,
[86] (2961818)
[87] (2961818)
[22] 2013-01-09
[62] 2,862,805
[30] JP (2012-009128) 2012-01-19

[11] **2,962,100**
[13] C
[51] **Int.Cl. C12N 15/86 (2006.01) C12N 15/113 (2010.01) A61K 35/76 (2015.01) A61P 37/04 (2006.01) C12N 7/01 (2006.01) C12N 15/33 (2006.01) C12N 15/39 (2006.01) C12N 15/863 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **VIRUS-BASED EXPRESSION VECTORS AND USES THEREOF**
[54] **VECTEURS D'EXPRESSION A BASE DE VIRUS ET LEUR UTILISATION**
[72] MOSS, BERNARD, US
[72] WYATT, LINDA S., US
[73] THE USA, AS REPRESENTED BY THE SECRETARY, DEPT. OF HEALTH AND HUMAN SERVICES,
[85] 2017-03-21
[86] 2015-09-25 (PCT/US2015/052295)
[87] (WO2016/049492)
[30] US (62/055,989) 2014-09-26

[11] **2,964,921**
[13] C
[51] **Int.Cl. F21S 8/00 (2006.01) E04F 13/07 (2006.01) F21V 9/08 (2018.01) F21V 33/00 (2006.01)**
[25] EN
[54] **DESIGN SYSTEM BASED ON LUMINAIRES WITH MULTIPLE ILLUMINATION PANELS**
[54] **MODELE FONDE SUR DES LUMINAIRES A PANNEAUX D'ILLUMINATION MULTIPLES**
[72] LEADFORD, KEVIN F., US
[72] MILLER, JOSHUA J., US
[72] NELSON, PETER K., US
[72] GOULD, CARL T., US
[72] SLAUGHTER, CHRISTOPHER D., US
[72] SORENSEN, CHRISTOPHER J., US
[72] AGGARWAL, JANUK S., US
[73] ABL IP HOLDING LLC,
[86] (2964921)
[87] (2964921)
[22] 2017-04-21
[30] US (62/325,594) 2016-04-21
[30] US (62/329,409) 2016-04-29

[11] **2,965,381**
[13] C
[51] **Int.Cl. H04W 92/02 (2009.01) H04W 88/12 (2009.01)**
[25] EN
[54] **RADIO RESOURCE CONTROL RRC MESSAGE PROCESSING METHOD, APPARATUS, AND SYSTEM**
[54] **SYSTEME, APPAREIL ET PROCEDE DE TRAITEMENT DE MESSAGE DE COMMANDE DE RESSOURCE RADIO RRC**
[72] LIN, BO, CN
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2017-04-21
[86] 2014-10-23 (PCT/CN2014/089300)
[87] (WO2016/061789)

[11] **2,965,791**
[13] C
[51] **Int.Cl. C07D 215/42 (2006.01) A61K 31/47 (2006.01) A61K 31/4706 (2006.01) A61K 31/4709 (2006.01) A61P 35/00 (2006.01) C07D 215/233 (2006.01)**
[25] EN
[54] **QUINOLINE AND ISOQUINOLINE COMPOUNDS USEFUL FOR TREATING CANCER**
[54] **COMPOSES UTILES POUR LE TRAITEMENT DU CANCER**
[72] ROUX, PIERRE, FR
[72] MAHUTEAU, FLORENCE, FR
[72] NAJMAN, ROMAIN, FR
[72] TAZI, JAMAL, FR
[72] GADEA, GILLES, FR
[72] SCHERRER, DIDIER, FR
[72] BROCK, CARSTEN, FR
[72] CAHUZAC, NATHALIE, FR
[73] ABIVAX SA,
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
[73] INSTITUT CURIE,
[73] UNIVERSITE DE MONTPELLIER,
[86] (2965791)
[87] (2965791)
[22] 2010-06-14
[62] 2,764,024
[30] EP (09162630.9) 2009-06-12
[30] EP (09305540.8) 2009-06-12
[30] US (61/186,552) 2009-06-12
[30] US (61/186,544) 2009-06-12

[11] **2,966,180**
[13] C
[51] **Int.Cl. A61B 5/04 (2006.01) A61B 5/0432 (2006.01) A61B 5/0456 (2006.01) A61B 5/046 (2006.01)**
[25] EN
[54] **WIRELESS PHYSIOLOGICAL MONITORING DEVICE AND SYSTEMS**
[54] **DISPOSITIF ET SYSTEMES SANS FIL DE SURVEILLANCE PHYSIOLOGIQUE**
[72] PARK, SHENA, US
[72] HUGHES, NICHOLAS, US
[72] DAY, MARK, US
[72] SEPULVEDA, GENARO, US
[72] HO, HUNG, US
[72] GARCIA, FRANK, US
[72] TAMURA, YURIKO, US
[73] IRHYTHM TECHNOLOGIES, INC.,
[85] 2017-04-27
[86] 2015-10-30 (PCT/US2015/058478)
[87] (WO2016/070128)
[30] US (62/073,910) 2014-10-31

[11] **2,967,924**
[13] C
[51] **Int.Cl. F16K 15/06 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **CONE VALVE**
[54] **CLAPET CONIQUE**
[72] JINNO, HIROKI, JP
[72] GOTOU, TETSUROU, JP
[72] ITO, TSUYOSHI, JP
[72] KITAZAKI, TOORU, JP
[73] SUMITOMO METAL MINING CO., LTD.,
[85] 2017-05-15
[86] 2015-07-01 (PCT/JP2015/069024)
[87] (WO2016/080013)
[30] JP (2014-236461) 2014-11-21
[30] JP (2015-003105) 2015-01-09

[11] **2,972,743**
[13] C
[51] **Int.Cl. C07K 7/62 (2006.01) A61K 38/12 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **POLYMYXIN DERIVATIVE AND USES THEREOF**
[54] **DERIVE DE POLYXIMINE ET SES UTILISATIONS**
[72] VAARA, MARTTI, FI
[72] VAARA, TIMO, FI
[73] NORTHERN ANTIBIOTICS OY,
[85] 2017-06-29
[86] 2016-01-15 (PCT/FI2016/050016)
[87] (WO2016/113470)
[30] FI (20155027) 2015-01-15

[11] **2,972,768**
[13] C
[51] **Int.Cl. C08L 101/02 (2006.01) C08L 101/12 (2006.01) F17D 1/17 (2006.01)**
[25] EN
[54] **IMPROVING LOW TEMPERATURE STABILITY OF FLUID FLOW IMPROVERS**
[54] **AMELIORATION DE LA STABILITE A BASSE TEMPERATURE D'AGENTS AMELIORANT L'ECOULEMENT DE FLUIDE**
[72] DRUMMOND, GRAHAM ROBERT, US
[72] DESHPANDE, PRADYUMNA AVINASH, US
[72] KHANDEKAR, CHANDRASHEKHAR YESHWANT, US
[73] M-I L.L.C.,
[85] 2017-06-29
[86] 2015-12-17 (PCT/US2015/066221)
[87] (WO2016/109218)
[30] US (62/097,651) 2014-12-30

[11] **2,973,031**
[13] C
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 9/50 (2006.01) G06F 15/80 (2006.01)**
[25] EN
[54] **MULTI-MULTIDIMENSIONAL COMPUTER ARCHITECTURE FOR BIG DATA APPLICATIONS**
[54] **ARCHITECTURE D'ORDINATEUR MULTI-MULTIDIMENSIONNEL POUR DES APPLICATIONS DE MEGADONNEES**
[72] WEISER, URI, DE
[72] HOROWITZ, TAL, DE
[72] WANG, JINTANG, DE
[73] HUAWEI TECHNOLOGIES CO., LTD.,
[85] 2017-07-05
[86] 2015-03-17 (PCT/EP2015/055493)
[87] (WO2016/146166)

[11] **2,973,264**
[13] C
[51] **Int.Cl. A61M 5/162 (2006.01) A61J 1/14 (2006.01) A61J 1/20 (2006.01) A61M 5/14 (2006.01) A61M 5/178 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **INFUSION ADAPTER**
[54] **ADAPTATEUR DE PERFUSION**
[72] YEVMENENKO, YAN, US
[72] WONG, ANDREW, US
[72] HUBER, BRENT, US
[73] BECTON DICKINSON AND COMPANY LIMITED,
[85] 2017-07-06
[86] 2016-01-08 (PCT/US2016/012615)
[87] (WO2016/112267)
[30] US (62/101,551) 2015-01-09

[11] **2,973,852**
[13] C
[51] **Int.Cl. H05B 47/105 (2020.01) H04W 4/30 (2018.01) H05B 45/00 (2020.01) H05B 47/19 (2020.01) G10L 15/00 (2013.01)**
[25] EN
[54] **LIGHT CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE LUMIERE**
[72] YANG, ZHOU, CN
[73] YUTOU TECHNOLOGY (HANGZHOU) CO., LTD.,
[85] 2017-07-10
[86] 2015-06-12 (PCT/CN2015/081405)
[87] (WO2016/112631)
[30] CN (201510015424.X) 2015-01-12

[11] **2,976,105**
[13] C
[51] **Int.Cl. A63C 19/10 (2006.01) E04H 17/14 (2006.01) E04H 17/18 (2006.01)**
[25] EN
[54] **RINK SAFETY SYSTEM AND PROCEDURE**
[54] **SYSTEME ET PROCEDURE DE SECURITE DESTINES A UNE PATINOIRE**
[72] KAPSALIS, MARC, US
[73] KAPSALIS, MARC,
[86] (2976105)
[87] (2976105)
[22] 2017-08-11
[30] US (62/494,542) 2016-08-12
[30] US (15/731,918) 2017-07-17

[11] **2,976,662**
[13] C
[51] **Int.Cl. A01G 9/28 (2018.01) A01G 20/00 (2018.01) E01C 11/22 (2006.01)**
[25] EN
[54] **EDGER HAVING CONNECTION SURFACES**
[54] **COUPE-BORDURES COMPORTANT DES SURFACES DE RACCORD**
[72] RICCOBENE, THOMAS S., US
[72] MACDONALD, ROBERT A., US
[73] KEYSTONE RETAINING WALL SYSTEMS LLC,
[85] 2017-08-14
[86] 2016-02-24 (PCT/US2016/019417)
[87] (WO2016/138177)
[30] US (62/119,914) 2015-02-24

[11] **2,979,325**
[13] C
[51] **Int.Cl. B32B 3/14 (2006.01) B32B 5/30 (2006.01) B65D 1/02 (2006.01)**
[25] EN
[54] **STRUCTURE HAVING SOLID PARTICLES DISTRIBUTED ON THE SURFACES THEREOF**
[54] **STRUCTURE POSSEDANT DES PARTICULES SOLIDES DISTRIBUEES EN SURFACE**
[72] NYUU, KEISUKE, JP
[72] OKADA, YOSHIAKI, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] AKUTSU, YOSUKE, JP
[72] IWAMOTO, SHINYA, JP
[73] TOYO SEIKAN CO., LTD.,
[73] TOYO SEIKAN GROUP HOLDINGS, LTD.,
[85] 2017-09-11
[86] 2016-03-18 (PCT/JP2016/058708)
[87] (WO2016/170882)
[30] JP (2015-089464) 2015-04-24

[11] **2,979,561**
[13] C
[51] **Int.Cl. B21J 5/00 (2006.01) B22F 3/105 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING WROUGHT PRODUCTS WITH INTERNAL PASSAGES**
[54] **PROCEDES DE FABRICATION DE PRODUITS CORROYES AVEC DES PASSAGES INTERNES**
[72] KILMER, RAYMOND J., US
[72] SAMPLE, VIVEK, US
[72] FULTON, ERIN J., US
[72] BURG, JAMES T., US
[72] BOGAN, ERIC G., US
[72] BREM, JASON C., US
[72] SPEER, ROBERT J., US
[72] LEITH, WILLIAM B., US
[72] CARDINALE, MICHAEL, US
[72] GACKA, PHILIP, US
[73] ARCONIC INC.,
[85] 2017-09-12
[86] 2016-03-14 (PCT/US2016/022331)
[87] (WO2016/149196)
[30] US (62/132,613) 2015-03-13

[11] **2,980,091**
[13] C
[51] **Int.Cl. A61L 2/18 (2006.01) A23B 9/18 (2006.01) A23L 3/3409 (2006.01) A61L 2/20 (2006.01) B65G 33/26 (2006.01)**
[25] FR
[54] **METHOD FOR THE CONTINUOUS OZONE-BASED TREATMENT OF PARTICULATE PRODUCTS, AND CORRESPONDING DEVICE**
[54] **PROCEDE DE TRAITEMENT DE PRODUITS DIVISES A L'OZONE EN CONTINU ET DISPOSITIF CORRESPONDANT**
[72] LEPEZ, OLIVIER, FR
[72] SAJET, PHILIPPE, FR
[72] AUSSENAC, THIERRY, FR
[72] COSTE, CHRISTIAN, FR
[72] DRUON, CYRIL, FR
[72] GUZUN, TATIANA, FR
[73] E.T.I.A. - EVALUATION TECHNOLOGIQUE, INGENIERIE ET APPLICATIONS,
[73] ASSOCIATION DE GESTION INSTITUT POLYTECHNIQUE LASALLE BEAUVAIS,
[85] 2017-09-18
[86] 2016-04-08 (PCT/EP2016/057807)
[87] (WO2016/162509)
[30] FR (1553145) 2015-04-10
[30] FR (1553219) 2015-04-14

[11] **2,980,747**
[13] C
[51] **Int.Cl. G05D 1/00 (2006.01) H04W 12/10 (2009.01) H04W 84/06 (2009.01) B64C 39/02 (2006.01) G08G 5/00 (2006.01) H04L 9/28 (2006.01)**
[25] EN
[54] **AUTHENTICATED MESSAGES BETWEEN UNMANNED VEHICLES**
[54] **MESSAGES AUTHENTIFIES ENTRE VEHICULES SANS PILOTE**
[72] CANAVOR, DARREN ERNEST, US
[72] GOPALAKRISHNAN, VARADARAJAN, US
[72] JOHANSSON, JESPER MIKAEL, US
[72] MCCLINTOCK, JON ARRON, US
[72] PORTER, BRANDON WILLIAM, US
[72] ROTHS, ANDREW JAY, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2017-09-22
[86] 2016-03-25 (PCT/US2016/024292)
[87] (WO2016/160593)
[30] US (14/671,264) 2015-03-27
[30] US (14/671,224) 2015-03-27
[30] US (14/671,161) 2015-03-27
[30] US (14/671,203) 2015-03-27

[11] **2,980,985**
[13] C
[51] **Int.Cl. C22C 38/14 (2006.01) C21D 8/02 (2006.01) C21D 8/10 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/12 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH STEEL, METHOD FOR MANUFACTURING HIGH-STRENGTH STEEL, STEEL PIPE AND METHOD FOR MANUFACTURING STEEL PIPE**
[54] **ACIER A HAUTE RESISTANCE, METHODE DE FABRICATION D'ACIER A HAUTE RESISTANCE, TUYAU EN ACIER ET METHODE DE FABRICATION DE TUYAU EN ACIER**
[72] OTA, SHUSAKU, JP
[72] SHIMAMURA, JUNJI, JP
[72] ISHIKAWA, NOBUYUKI, JP
[72] ENDO, SHIGERU, JP
[73] JFE STEEL CORPORATION,
[85] 2017-09-26
[86] 2016-03-25 (PCT/JP2016/001727)
[87] (WO2016/157857)
[30] JP (2015-065776) 2015-03-27

[11] **2,982,019**
[13] C
[51] **Int.Cl. G06F 21/82 (2013.01) G06F 3/00 (2006.01)**
[25] EN
[54] **HUMAN INTERFACE DEVICE SWITCH WITH SECURITY FUNCTION**
[54] **INTERRUPTEUR DE DISPOSITIF D'INTERFACE HUMAIN DOTE D'UNE FONCTION DE SECURITE**
[72] CHANG, CHIH-HSIUNG, TW
[72] LIN, KUN-YUAN, TW
[73] I/O INTERCONNECT, LTD.,
[86] (2982019)
[87] (2982019)
[22] 2017-10-11
[30] US (62/406,498) 2016-10-11
[30] US (62/429,167) 2016-12-02
[30] US (15/726,794) 2017-10-06

[11] **2,982,912**
[13] C
[51] **Int.Cl. B65D 65/42 (2006.01) B32B 3/30 (2006.01) B65D 85/72 (2006.01)**
[25] EN
[54] **STRUCTURE HAVING EXTERNALLY ADDED REGIONS ON THE SURFACE THEREOF**
[54] **STRUCTURE AYANT UNE REGION AJOUTEE EXTERIEUREMENT SUR LA SURFACE**
[72] NYUU, KEISUKE, JP
[72] OKADA, YOSHIAKI, JP
[72] MIYAZAKI, TOMOYUKI, JP
[72] AKUTSU, YOSUKE, JP
[72] IWAMOTO, SHINYA, JP
[73] TOYO SEIKAN CO., LTD.,
[73] TOYO SEIKAN GROUP HOLDINGS, LTD.,
[85] 2017-10-16
[86] 2016-03-18 (PCT/JP2016/058740)
[87] (WO2016/170884)
[30] JP (2015-089465) 2015-04-24

[11] **2,984,100**
[13] C
[51] **Int.Cl. F16B 39/30 (2006.01) B21H 3/06 (2006.01) B21H 3/12 (2006.01) F16B 33/02 (2006.01) F16B 35/00 (2006.01) F16H 25/20 (2006.01) F16H 25/24 (2006.01)**
[25] EN
[54] **DUAL-THREADED SCREW STRUCTURE**
[54] **STRUCTURE A DOUBLE VIS**
[72] SHINBUTSU, TOSHINAKA, JP
[72] TAKEMASU, TERUIE, JP
[72] AMANO, SHUICHI, JP
[73] FORM ROLL TECH CO., LTD.,
[85] 2017-10-26
[86] 2016-05-27 (PCT/JP2016/065793)
[87] (WO2016/194842)
[30] JP (2015-110292) 2015-05-29
[30] JP (2015-219841) 2015-11-09

[11] **2,984,121**
[13] C
[51] **Int.Cl. H04R 5/04 (2006.01) H04R 1/40 (2006.01) H04S 5/00 (2006.01)**
[25] EN
[54] **SOUND SYSTEM**
[54] **SYSTEME ACOUSTIQUE**
[72] FALLER, CHRISTOF, CH
[72] SCHMIDT, MARKUS, DE
[72] WALTHER, ANDREAS, DE
[72] BORSS, CHRISTIAN, DE
[72] SAARI, VILLE, DE
[72] GOETZ, PHILIPP, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
[85] 2017-10-25
[86] 2016-04-19 (PCT/EP2016/058646)
[87] (WO2016/173889)
[30] EP (15165250.0) 2015-04-27

[11] **2,984,510**
[13] C
[51] **Int.Cl. G01N 27/416 (2006.01)**
[25] EN
[54] **MULTI-REGION AND POTENTIAL TEST SENSORS, METHODS, AND SYSTEMS**
[54] **CAPTEURS POUR ESSAI DE POTENTIEL ET MULTIREGION, PROCEDES ET SYSTEMES**
[72] WU, HUAN PING, US
[72] ZHONG, WIEPING, US
[72] PERRY, JOSEPH E., US
[72] MAURER, ERIC, US
[72] JUNG, SUNG-KWON, US
[73] ASCENSIA DIABETES CARE HOLDINGS AG,
[86] (2984510)
[87] (2984510)
[22] 2008-09-24
[62] 2,899,469
[30] US (60/974,823) 2007-09-24

[11] **2,984,558**
[13] C
[51] **Int.Cl. C02F 5/08 (2006.01) C02F 5/00 (2006.01) C02F 5/10 (2006.01)**
[25] EN
[54] **INHIBITING FOULING TENDENCY IN HIGH COAL ASH-CONTAINING WATER SYSTEMS**
[54] **INHIBITION DE TENDANCE D'ENCRASSEMENT DANS DES SYSTEMES D'EAU CONTENANT UNE TENEUR ELEVEE EN CENDRES DE CHARBON**
[72] FELIPE, MARY JANE LEGASPI, US
[72] NGUYEN, KHAC TRUC, US
[72] DUNN, SIDNEY A., US
[73] BAKER HUGHES, A GE COMPANY, LLC,
[85] 2017-10-30
[86] 2016-05-03 (PCT/US2016/030544)
[87] (WO2016/179160)
[30] US (62/158,088) 2015-05-07
[30] US (15/144,183) 2016-05-02

[11] **2,984,631**
[13] C
[51] **Int.Cl. C22C 14/00 (2006.01) C22F 1/18 (2006.01)**
[25] EN
[54] **BETA TITANIUM ALLOY SHEET FOR ELEVATED TEMPERATURE APPLICATIONS**
[54] **FEUILLE D'ALLIAGE DE TITANE BETA POUR APPLICATIONS A HAUTE TEMPERATURE**
[72] GUDIPATI, PHANI, US
[72] KOSAKA, YOJI, US
[73] TITANIUM METALS CORPORATION,
[85] 2017-10-31
[86] 2016-05-03 (PCT/US2016/030552)
[87] (WO2016/179163)
[30] US (14/703,297) 2015-05-04

---

[11] **2,985,443**
[13] C
[51] **Int.Cl. E21B 33/12 (2006.01) E21B 17/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **CONTROL LINE RETAINER FOR A DOWNHOLE TOOL**
[54] **DISPOSITIF DE RETENUE DE LIGNE DE COMMANDE D'UN OUTIL DE FOND DE TROU**
[72] GOODMAN, BRANDON C., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
[86] (2985443)
[87] (2985443)
[22] 2017-11-14
[30] US (15/362,987) 2016-11-29

---

[11] **2,985,778**
[13] C
[51] **Int.Cl. A61K 31/34 (2006.01) A61K 36/57 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **LIGNAN-CONTAINING EXTRACTS OF MANOLIAE FLOS AND USE THEREOF IN THE TREATMENT AND PREVENTION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD)**
[54] **EXTRAITS CONTENANT UN LIGNANE DE MAGNOLIAE FLOS ET UTILISATION ASSOCIEE DANS LE TRAITEMENT ET LA PREVENTION DE MALADIE PULMONAIRE OBSTRUCTIVE CHRONIQUE (MPOC)**
[72] OH, SEI-RYANG, KR
[72] AHN, KYUNG SEOP, KR
[72] LEE, SU UI, KR
[72] RYU, HYUNG WON, KR
[72] KIM, DOO-YOUNG, KR
[72] LEE, HYEONG KYU, KR
[72] KWON, OK-KYOUNG, KR
[72] KIM, JUNG HEE, KR
[72] LEE, HYUN-JUN, KR
[72] SHIN, IN-SIK, KR
[73] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY,
[85] 2017-11-10
[86] 2016-05-13 (PCT/KR2016/005113)
[87] (WO2016/182399)
[30] KR (10-2015-0066621) 2015-05-13

---

[11] **2,986,463**
[13] C
[51] **Int.Cl. B41M 3/14 (2006.01) B42D 25/24 (2014.01) B41J 2/435 (2006.01) D21H 21/40 (2006.01)**
[25] EN
[54] **METHOD FOR SECURING FLEXIBLE HINGES BINDING LAMINATE SHEETS INTO SECURITY DOCUMENTS AND SECURED SECURITY DOCUMENTS**
[54] **PROCEDE POUR SECURISER DES CHARNIERES SOUPLES LIANT DES FEUILLES STRATIFIEES DANS DES DOCUMENTS DE SECURITE, ET DOCUMENTS DE SECURITE SECURISES**
[72] THURAILINGAM, THIVAHARAN, CA
[73] CANADIAN BANK NOTE COMPANY, LIMITED,
[85] 2017-11-20
[86] 2016-05-20 (PCT/CA2016/050573)
[87] (WO2016/183688)
[30] US (62/165,131) 2015-05-21

---

[11] **2,987,127**
[13] C
[51] **Int.Cl. F16L 9/12 (2006.01) F16L 1/11 (2006.01) F16L 55/00 (2006.01) G01M 3/18 (2006.01) G01V 3/02 (2006.01)**
[25] EN
[54] **PIPE ASSEMBLY**
[54] **ENSEMBLE CANALISATION**
[72] GRIMSLEY, TIMOTHY, US
[73] DURA-LINE CORPORATION,
[85] 2017-11-23
[86] 2016-06-22 (PCT/US2016/038821)
[87] (WO2016/210002)
[30] US (62/183,474) 2015-06-23
[30] US (15/189,989) 2016-06-22

---

[11] **2,989,529**
[13] C
[51] **Int.Cl. G01S 19/49 (2010.01) G01S 19/22 (2010.01) G01C 21/28 (2006.01)**
[25] EN
[54] **POSITIONING APPARATUS**
[54] **DISPOSITIF DE LOCALISATION**
[72] MIYAJIMA, AKIRA, JP
[72] MATSUOKA, KATSUHIRO, JP
[73] DENSO CORPORATION,
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
[85] 2017-12-14
[86] 2016-06-10 (PCT/JP2016/002806)
[87] (WO2016/203744)
[30] JP (2015-121431) 2015-06-16

[11] **2,989,566**
[13] C
[51] **Int.Cl. G01M 99/00 (2011.01) G01K 3/14 (2006.01) G01K 7/02 (2006.01)**
[25] EN
[54] **PIPING MONITORING AND ANALYSIS SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ET D'ANALYSE DE TUYAUTERIE**
[72] MUINDA, STEPHEN, CA
[72] IVERSON, MILLAR, CA
[72] GAUDET, GREG, CA
[72] CHADY, MOHAMMAD, CA
[72] JU, FENG, CA
[73] SUNCOR ENERGY INC.,
[86] (2989566)
[87] (2989566)
[22] 2017-12-20

[11] **2,989,709**
[13] C
[51] **Int.Cl. D06N 5/00 (2006.01) D04H 1/58 (2012.01) E04D 1/12 (2006.01)**
[25] EN
[54] **A FIBER MAT, METHOD OF MAKING THE FIBER MAT, AND BITUMINOUS ROOFING PRODUCT**
[54] **UN TAPIS EN FIBRES, METHODE DE FABRICATION D'UN TAPIS EN FIBRES ET PRODUIT DE TOITURE BITUMINEUX**
[72] BROWN, NANCY E., US
[72] GACEK, MATTHEW, US
[72] YU, TAO, US
[73] SAINT-GOBAIN ADFORS CANADA, LTD.,
[86] (2989709)
[87] (2989709)
[22] 2017-12-21
[30] US (62/437317) 2016-12-21

[11] **2,989,787**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR QUALITY MANAGEMENT PLATFORM**
[54] **SYSTEME ET PROCEDE DESTINES A UNE PLATEFORME DE GESTION DE QUALITE**
[72] VYMENETS, LEONID, US
[72] MACARTHUR, CAYLEY, US
[72] KONIG, YOCHAI, US
[72] LO, WAYNE, US
[72] KUMAR, PRAPHUL, US
[72] RISTOCK, HERBERT WILLI ARTUR, US
[73] GREENEDEN U.S. HOLDINGS II, LLC,
[85] 2017-12-15
[86] 2016-05-26 (PCT/US2016/034490)
[87] (WO2016/196234)
[30] US (14/726,491) 2015-05-30

[11] **2,990,105**
[13] C
[51] **Int.Cl. C08J 9/35 (2006.01) C08K 3/013 (2018.01) C08K 7/00 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL AND METHOD OF PRODUCING THE SAME**
[54] **MATERIAU COMPOSITE ET PROCEDE DE FABRICATION ASSOCIE**
[72] NAKANISHI, KOJI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
[86] (2990105)
[87] (2990105)
[22] 2017-12-27
[30] JP (2016-256717) 2016-12-28

[11] **2,990,435**
[13] C
[51] **Int.Cl. H04L 12/22 (2006.01) H04L 9/00 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **AUTOMATED MITIGATION OF ELECTRONIC MESSAGE BASED SECURITY THREATS**
[54] **ATTENUATION AUTOMATIQUE DE MENACES A LA SECURITE A BASE DE MESSAGES ELECTRONIQUES**
[72] DICORPO, PHIL, US
[72] BERNAL, JOSE, US
[72] WATSON, EUN-SOOK, US
[73] SERVICENOW, INC.,
[86] (2990435)
[87] (2990435)
[22] 2017-12-29
[30] US (15/722,966) 2017-10-02

[11] **2,990,582**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **A STABLE LIQUID FORMULATION OF FUSION PROTEIN WITH IGG FC DOMAIN**
[54] **FORMULE LIQUIDE STABLE D'UNE PROTEINE DE FUSION PRESENTANT UN DOMAINE FC D'IGG**
[72] PARK, SOON JAE, KR
[72] CHUNG, HYE SHIN, KR
[72] KIM, JUN YOUNG, KR
[73] ALTEOGEN, INC.,
[85] 2017-12-21
[86] 2016-06-23 (PCT/KR2016/006679)
[87] (WO2016/208989)
[30] KR (10-2015-0089186) 2015-06-23
[30] KR (10-2016-0078234) 2016-06-22

[11] **2,991,217**
[13] C
[51] **Int.Cl. A61K 9/24 (2006.01) A61K 31/485 (2006.01) A61K 47/10 (2017.01) A61P 25/04 (2006.01)**
[25] EN
[54] **ENCASED TAMPER RESISTANT CONTROLLED RELEASE DOSAGE FORMS**
[54] **FORMES PHARMACEUTIQUES ENCAPSULEES, INVIOLABLES ET A LIBERATION CONTROLEE**
[72] HUANG, HAIYONG HUGH, US
[73] PURDUE PHARMA L.P.,
[86] (2991217)
[87] (2991217)
[22] 2011-12-21
[62] 2,822,790
[30] US (61/426,306) 2010-12-22

---

[11] **2,991,376**
[13] C
[51] **Int.Cl. B24D 13/14 (2006.01) A47L 11/164 (2006.01) A47L 11/283 (2006.01)**
[25] EN
[54] **GRINDING PAD APPARATUS**
[54] **APPAREIL DE COUSSIN DE MEULAGE**
[72] TCHAKAROV, TCHAVDAR V., US
[73] HUSQVARNA AB,
[86] (2991376)
[87] (2991376)
[22] 2018-01-09
[30] US (15/405,361) 2017-01-13

---

[11] **2,992,004**
[13] C
[51] **Int.Cl. H04B 1/38 (2015.01) H04B 1/40 (2015.01)**
[25] EN
[54] **SMALL FORM-FACTOR PLUGGABLE TRANSCEIVER**
[54] **EMETTEUR-RECEPTEUR BRANCHABLE A PETIT FACTEUR**
[72] CHEN, YI-MING, TW
[73] AXCEN PHOTONICS CORP.,
[86] (2992004)
[87] (2992004)
[22] 2018-01-16

---

[11] **2,992,321**
[13] C
[51] **Int.Cl. G01L 1/18 (2006.01)**
[25] EN
[54] **DEVICE FOR ELECTRICALLY MEASURING A FORCE**
[54] **APPAREIL DE MESURE D'UNE FORCE PAR ELECTRICITE**
[72] KLEMM, JAN, DE
[73] KLEMM, JAN,
[85] 2018-01-12
[86] 2016-07-09 (PCT/DE2016/100305)
[87] (WO2017/008784)
[30] DE (10 2015 111 425.9) 2015-07-14

---

[11] **2,993,706**
[13] C
[51] **Int.Cl. A62B 17/00 (2006.01) A41D 13/00 (2006.01)**
[25] EN
[54] **PROTECTIVE INTERFACES FOR FIREFIGHTER GARMENTS**
[54] **INTERFACES DE PROTECTION DESTINEES A DES VETEMENTS DE POMPIER**
[72] BARBEAU, CLAUDE, CA
[73] INNOTEX INC.,
[86] (2993706)
[87] (2993706)
[22] 2018-02-01
[30] US (62/453,771) 2017-02-02

---

[11] **2,995,327**
[13] C
[51] **Int.Cl. A22C 29/02 (2006.01) B08B 3/02 (2006.01) B65G 15/12 (2006.01) B65G 43/00 (2006.01)**
[25] EN
[54] **CRAB SHELL STRIPPING APPARATUS FOR EASILY REMOVING GILLS**
[54] **APPAREIL D'EXTRACTION DE CARAPACE DE CRABE PERMETTANT UN RETRAIT AISE DES BRANCHIES**
[72] LIM, YOUNG HO, KR
[73] LIM, YOUNG HO,
[85] 2018-02-09
[86] 2015-10-23 (PCT/KR2015/011293)
[87] (WO2017/030235)
[30] KR (10-2015-0117553) 2015-08-20

---

[11] **2,996,254**
[13] C
[51] **Int.Cl. B02C 2/04 (2006.01) B02C 2/06 (2006.01)**
[25] EN
[54] **CRUSHER DEVICE COMPRISING AN OVERLOAD SAFETY DEVICE**
[54] **DISPOSITIF DE BROYEUR COMPRENANT UN DISPOSITIF DE SECURITE CONTRE LES SURCHARGES**
[72] NIKLEWSKI, ANDRZEJ, BR
[72] BARSCEVICIUS, PAULO, BR
[73] METSO MINERALS INDUSTRIES, INC.,
[85] 2018-02-21
[86] 2016-08-19 (PCT/IB2016/054966)
[87] (WO2017/033104)
[30] EP (15182028.9) 2015-08-21

---

[11] **2,996,274**
[13] C
[51] **Int.Cl. H02K 5/22 (2006.01) H01R 9/00 (2006.01) H02K 3/04 (2006.01)**
[25] EN
[54] **TERMINAL BLOCK OF ROTATING ELECTRIC MACHINE**
[54] **BORNIER DE MACHINE ELECTRIQUE TOURNANTE**
[72] MATSUZAKI, HIROKAZU, JP
[72] KIMURA, MASAHIDE, JP
[72] TANNO, TOSHIAKI, JP
[72] NAKAHARA, HIROSHI, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2018-02-21
[86] 2015-08-26 (PCT/JP2015/073936)
[87] (WO2017/033298)

---

[11] **2,997,890**
[13] C
[51] **Int.Cl. B41F 19/00 (2006.01) B41F 16/00 (2006.01)**
[25] EN
[54] **SHEET-FED STAMPING PRESS COMPRISING A FOIL LAMINATING UNIT**
[54] **PRESSE A ESTAMPER ALIMENTEE EN FEUILLES COMPRENANT UNE UNITE DE STRATIFICATION DE MATERIAU EN PELLICULE**
[72] GYGI, MATTHIAS, CH
[72] BAUER, REGINA, DE
[72] KRIEGE, BJORN, DE
[73] KBA-NOTASYS SA,
[85] 2018-03-07
[86] 2016-11-03 (PCT/IB2016/056617)
[87] (WO2017/077477)
[30] EP (15193276.1) 2015-11-05

[11] **2,997,927**
[13] C
[51] **Int.Cl. F03D 13/20 (2016.01) E04H 12/12 (2006.01) E04H 12/16 (2006.01) E04H 12/34 (2006.01)**
[25] EN
[54] **TOWER SEGMENT AND METHOD UTILIZING SEGMENTED BEARING PLATE**
[54] **SEGMENT DE TOUR ET PROCEDE UTILISANT UNE PLAQUE DE PORTEE SEGMENTEE**
[72] CHASE, MATTHEW J., US
[73] SIEMENS GAMESA RENEWABLE ENERGY, INC.,
[73] WIND TOWER TECHNOLOGIES, LLC,
[85] 2018-03-07
[86] 2016-08-16 (PCT/US2016/047118)
[87] (WO2017/040019)
[30] US (62/211,972) 2015-08-31

[11] **2,998,733**
[13] C
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0346 (2013.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **TELEPORTATION IN AN AUGMENTED AND/OR VIRTUAL REALITY ENVIRONMENT**
[54] **TELEPORTATION DANS UN ENVIRONNEMENT DE REALITE AUGMENTEE ET/OU VIRTUELLE**
[72] GLAZIER, ADAM, US
[72] PARKER, EVAN HARDESTY, US
[73] GOOGLE LLC,
[85] 2018-03-13
[86] 2016-12-05 (PCT/US2016/064919)
[87] (WO2017/096351)
[30] US (62/262,451) 2015-12-03
[30] US (15/368,191) 2016-12-02

[11] **2,998,792**
[13] C
[51] **Int.Cl. B60P 7/04 (2006.01) E04H 15/54 (2006.01)**
[25] EN
[54] **SLIDING TARP SYSTEM**
[54] **SYSTEME DE BACHE COULISSANTE**
[72] BESHIRI, ILIR, CA
[72] KLASSEN, JACOB, CA
[72] NEUFELD, JOHAN, CA
[73] GLIDER SYSTEMS IP INC.,
[86] (2998792)
[87] (2998792)
[22] 2018-03-21
[30] CA (2,961,621) 2017-03-22

[11] **2,999,323**
[13] C
[51] **Int.Cl. B65D 30/02 (2006.01) B65D 30/10 (2006.01) B65D 33/16 (2006.01) B65D 33/25 (2006.01)**
[25] EN
[54] **SHAPED ELASTOMERIC CONTAINER WITH INTEGRATED LEAK RESISTANT SEAL**
[54] **RECIPIENT ELASTOMERE PROFILE POURVU D'UN JOINT RESISTANT AUX FUITES INTEGRE**
[72] NOURI, KATOUSHA GHAEMI, US
[72] MAGUIRE, PAUL, US
[73] STASHER, INC.,
[85] 2018-03-19
[86] 2016-03-01 (PCT/US2016/020279)
[87] (WO2016/140976)
[30] US (14/639,065) 2015-03-04

[11] **2,999,471**
[13] C
[51] **Int.Cl. B25B 23/06 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **FASTENER CARTRIDGE**
[54] **CARTOUCHE DE DISPOSITIFS DE FIXATION**
[72] TONKINSON, MYLES, US
[72] CHADWELL, LAWRENCE JENE, US
[72] HALE, RACHEL, US
[72] LAMOTHE, BRIAN, US
[72] GARCIA, SADDY, US
[72] LICHT, JAMES, US
[72] SUAREZ, KERWIN, US
[72] LUBY, RYAN, US
[72] USSIN, NICOLAI, US
[73] ZIMMER BIOMET CMF AND THORACIC, LLC,
[85] 2018-03-21
[86] 2016-09-23 (PCT/US2016/053336)
[87] (WO2017/053723)
[30] US (62/233,193) 2015-09-25

[11] **3,000,636**
[13] C
[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/187 (2014.01) H04N 19/44 (2014.01) H04N 19/46 (2014.01) H04N 19/65 (2014.01) H04L 1/00 (2006.01)**
[25] EN
[54] **RECEIVING APPARATUS AND DECODING METHOD THEREOF**
[54] **APPAREIL DE RECEPTION ET PROCEDE DE DECODAGE CORRESPONDANT**
[72] PARK, JUNG-HYUN, KR
[72] YU, JUNG-PIL, KR
[72] JUNG, SUNG-KYU, KR
[72] CHOI, CHANG-HOON, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2018-03-29
[86] 2016-10-19 (PCT/KR2016/011743)
[87] (WO2017/069508)
[30] US (62/243,246) 2015-10-19
[30] KR (10-2016-0134560) 2016-10-17

[11] **3,000,835**
[13] C
[51] **Int.Cl. C07K 16/32 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTIBODY SPECIFICALLY BINDING TO ERBB3 AND USE THEREOF**
[54] **ANTICORPS SE LIANT SPECIFIQUEMENT A ERBB3 ET UTILISATION ASSOCIEE**
[72] BAE, DONG GOO, KR
[72] KIM, MI YOUNG, KR
[72] HUR, YOUNG MI, KR
[72] HONG, MI RIM, KR
[73] ISU ABXIS CO., LTD.,
[85] 2018-03-28
[86] 2016-11-02 (PCT/KR2016/012545)
[87] (WO2017/099362)
[30] KR (10-2015-0173281) 2015-12-07

[11] **3,001,002**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **RETRACTABLE TISSUE CUTTING DEVICE**
[54] **DISPOSITIF DE COUPE TISSULAIRE RETRACTABLE**
[72] SMITH, PAUL, US
[72] CHARLES, ROBERT, US
[72] TAYLOR, JON, US
[72] HAMILTON, DANIEL E., US
[72] RAYBIN, SAMUEL, US
[72] DEVRIES, ROBERT B., US
[72] ANDERSSON, NIKLAS, US
[72] SOENS, MEGHAN ELIZABETH, FR
[72] CORNELL, MARY ANN, US
[72] TONG, RAY H., US
[73] BOSTON SCIENTIFIC SCIMED, INC.,
[85] 2018-04-04
[86] 2016-10-14 (PCT/US2016/057103)
[87] (WO2017/074719)
[30] US (62/247,387) 2015-10-28

[11] **3,002,748**
[13] C
[51] **Int.Cl. B43K 1/00 (2006.01) C09D 13/00 (2006.01) C22C 12/00 (2006.01)**
[25] EN
[54] **WRITING INSTRUMENT AND RELATED PRODUCTION METHOD**
[54] **INSTRUMENT D'ECRITURE ET PROCEDE DE FABRICATION ASSOCIE**
[72] BETTANCINI, ANDREA, IT
[73] SIGNATURE S.R.L.,
[85] 2018-04-20
[86] 2016-10-24 (PCT/IB2016/056382)
[87] (WO2017/072646)
[30] IT (UB2015A005101) 2015-10-26

[11] **3,003,380**
[13] C
[51] **Int.Cl. B60H 1/00 (2006.01) B60H 1/22 (2006.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR HEATING A PASSENGER COMPARTMENT OF AN ELECTRIC VEHICLE, AND ELECTRIC VEHICLE IMPLEMENTING SUCH A METHOD OR SYSTEM**
[54] **PROCEDE ET SYSTEME DE CHAUFFAGE D'UN HABITACLE D'UN VEHICULE ELECTRIQUE, ET VEHICULE ELECTRIQUE METTANT EN OEUVRE UN TEL PROCEDE OU SYSTEME**
[72] DESNEUX, ALEXANDRE, FR
[72] DURAND, FABIEN, FR
[72] BARDOT, CHRISTOPHE, FR
[73] BLUEBUS,
[85] 2018-04-26
[86] 2016-11-09 (PCT/EP2016/077108)
[87] (WO2017/084935)
[30] FR (1560979) 2015-11-16

[11] **3,004,688**
[13] C
[51] **Int.Cl. E21B 25/02 (2006.01) E21B 25/10 (2006.01)**
[25] EN
[54] **AN ENGINEERING GEOLOGICAL DRILLING CONSTRUCTION METHOD BASED ON WIRE LINE CORING DRILLING TOOL**
[54] **UNE METHODE DE CONSTRUCTION D'INGENIERIE PAR FORAGE GEOLOGIQUE FONDEE SUR UN OUTIL DE FORAGE DE CAROTTAGE PAR LES TIGES**
[72] WANG, JIAN, CN
[72] LIU, XUYONG, CN
[73] ZHUHAI EAGLER SPECIALTY DRILLING EQUIPMENT CO., LTD.,
[86] (3004688)
[87] (3004688)
[22] 2018-05-10

[11] **3,005,114**
[13] C
[51] **Int.Cl. B25B 13/46 (2006.01) B25B 13/06 (2006.01) F16B 21/18 (2006.01) F16D 41/16 (2006.01)**
[25] EN
[54] **RATCHET GEAR REINFORCING RING**
[54] **BAGUE DE RENFORCEMENT D'ENCLIQUETAGE A ROCHET**
[72] ROSS, DAVID T., US
[72] HOPPER, RICHARD L., US
[73] SNAP-ON INCORPORATED,
[86] (3005114)
[87] (3005114)
[22] 2018-05-16
[30] US (15/622,319) 2017-06-14

[11] **3,007,654**
[13] C
[51] **Int.Cl. E21B 17/00 (2006.01) E21B 7/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MINIMIZING DOWNHOLE TOOL VIBRATIONS AND DISTURBANCES**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE MINIMISER LES VIBRATIONS ET LES PERTURBATIONS D'UN OUTIL DE FOND DE TROU**
[72] GIBB, JOHN, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-06-06
[86] 2016-01-13 (PCT/US2016/013164)
[87] (WO2017/123213)

---

[11] **3,008,415**
[13] C
[51] **Int.Cl. A61M 16/04 (2006.01) A61M 5/145 (2006.01) A61M 16/01 (2006.01) A61M 19/00 (2006.01)**
[25] EN
[54] **COMBINED LARYNGO-TRACHEAL ANESTHETIC AND STYLET DEVICE**
[54] **DISPOSITIF ANESTHESIQUE LARYNGO-TRACHEAL ET STYLET COMBINES**
[72] HERSKOVIC, JOSHUA, US
[73] GUIDANCE AIRWAY SOLUTIONS, LLC,
[86] (3008415)
[87] (3008415)
[22] 2015-06-10
[62] 2,951,704
[30] US (14/301,170) 2014-06-10

---

[11] **3,009,162**
[13] C
[51] **Int.Cl. E21B 49/08 (2006.01) E21B 33/03 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **DRILLING RIG GAS TRAP TESTING**
[54] **TEST DE PIEGE A GAZ D'INSTALLATION DE FORAGE**
[72] YOUNG, MARTIN STRACHAN, GB
[73] HALLIBURTON ENERGY SERVICES,INC.,
[85] 2018-06-19
[86] 2016-01-25 (PCT/US2016/014663)
[87] (WO2017/131606)

---

[11] **3,009,603**
[13] C
[51] **Int.Cl. C09D 183/06 (2006.01) G02B 1/14 (2015.01) B32B 27/00 (2006.01)**
[25] EN
[54] **HARD-COAT-LAYER-FORMING COMPOSITION AND OPTICAL MEMBER**
[54] **COMPOSITION FORMANT UNE COUCHE DE REVETEMENT DUR ET ELEMENT OPTIQUE**
[72] SHIODA, GORO, JP
[73] NIKON-ESSILOR CO., LTD.,
[85] 2018-06-22
[86] 2016-12-09 (PCT/JP2016/086715)
[87] (WO2017/110522)
[30] JP (2015-255224) 2015-12-25

---

[11] **3,009,771**
[13] C
[51] **Int.Cl. E21B 47/02 (2006.01) E21B 7/04 (2006.01) E21B 47/022 (2012.01)**
[25] EN
[54] **OPTIMIZED GEOSTEERING USING REAL-TIME GEOLOGICAL MODELS**
[54] **GEODIRECTION OPTIMISEE UTILISANT DES MODELES GEOLOGIQUES EN TEMPS REEL**
[72] MA, JIN, SG
[72] SONG, RENCHENG, SG
[72] WILSON, GLENN ANDREW, SG
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-06-26
[86] 2016-02-05 (PCT/US2016/016690)
[87] (WO2017/135960)

---

[11] **3,010,122**
[13] C
[51] **Int.Cl. G01F 1/74 (2006.01) H04W 4/38 (2018.01)**
[25] EN
[54] **COLLECTING APPARATUS, SYSTEM AND METHOD FOR GRAVEL TRANSPORT PRESSURE AND TRANSPORT AUDIO**
[54] **APPAREIL DE COLLECTE, SYSTEME ET METHODE DE PRESSION DE TRANSPORT ET DE SON DE TRANSPORT DE GRAVIER**
[72] YANG, SHENGFA, CN
[72] ZHANG, PENG, CN
[72] TIAN, MI, CN
[72] HU, JIANG, CN
[72] LI, WENJIE, CN
[72] XIAO, YI, CN
[72] XING, RONGJUN, CN
[72] FU, XUHUI, CN
[73] CHONGQING JIAOTONG UNIVERSITY,
[86] (3010122)
[87] (3010122)
[22] 2018-06-28
[30] CN (201710676847.5) 2017-08-09

---

[11] **3,011,019**
[13] C
[51] **Int.Cl. B29C 70/20 (2006.01)**
[25] EN
[54] **MOLD TOOL WITH ANISOTROPIC THERMAL PROPERTIES**
[54] **OUTIL DE MOULE AYANT DES PROPRIETES THERMIQUES ANISOTROPES**
[72] CARLSON, DAVID G., US
[73] BELL HELICOPTER TEXTRON INC.,
[86] (3011019)
[87] (3011019)
[22] 2018-07-10
[30] US (15/710,811) 2017-09-20

[11] **3,011,107**
[13] C
[51] **Int.Cl. B32B 27/14 (2006.01)**
[25] EN
[54] **FRIABLE SHELL MICROCAPSULES, PROCESS FOR PREPARING THE SAME AND METHOD OF USE THEREOF**
[54] **MICROCAPSULES A ENVELOPPE FRIABLE, PROCEDE DE PREPARATION DE CELLES-CI ET PROCEDE D'UTILISATION DE CELLES-CI**
[72] MISTRY, KISHOR KUMAR, GB
[72] FIAZ, ASSIM, GB
[72] HUSSAIN, ABDUL WAHAB, GB
[72] CRUTCHER, TERRY, US
[73] ISP INVESTMENTS LLC,
[85] 2018-07-10
[86] 2017-01-13 (PCT/US2017/013465)
[87] (WO2017/123965)
[30] US (62/278,672) 2016-01-14
[30] US (62/351,269) 2016-06-16

---

[11] **3,011,400**
[13] C
[51] **Int.Cl. C08F 2/00 (2006.01) C08L 23/12 (2006.01)**
[25] EN
[54] **HETEROPHASIC PROPYLENE COPOLYMER WITH LOW CLTE**
[54] **COPOLYMERE DE PROPYLENE HETEROPHASIQUE A FAIBLE CLTE**
[72] GRESTENBERGER, GEORG, AT
[72] MILEVA, DANIELA, AT
[72] KAHLEN, SUSANNE, AT
[73] BOREALIS AG,
[85] 2018-07-13
[86] 2017-01-27 (PCT/EP2017/051705)
[87] (WO2017/129711)
[30] EP (16153370.8) 2016-01-29

---

[11] **3,012,068**
[13] C
[51] **Int.Cl. C11D 7/26 (2006.01) C11D 7/32 (2006.01) A63C 7/02 (2006.01)**
[25] EN
[54] **COMPOSITION FOR CLEANING SKIN STRIPS OF SKIN SKIS**
[54] **COMPOSITION POUR NETTOYER DES BANDES DE PEAU DE SKIS A PEAU**
[72] PUUKILAINEN, ESA, FI
[73] VAUHTI SPEED OY,
[85] 2018-07-20
[86] 2017-02-16 (PCT/FI2017/050095)
[87] (WO2017/140951)
[30] FI (20165122) 2016-02-18

---

[11] **3,013,294**
[13] C
[51] **Int.Cl. F23R 3/42 (2006.01)**
[25] EN
[54] **AIRCRAFT COMPONENT AND AIRCRAFT GAS-TURBINE ENGINE**
[54] **COMPOSANTE D'AERONEF ET TURBINE A GAZ D'AERONEF**
[72] ONISHI, TOMOYUKI, JP
[72] UETSUKI, YASUYUKI, JP
[72] HANADA, TADAYUKI, JP
[72] FUJIMOTO, YOHEI, JP
[72] OTA, TAKAFUMI, JP
[73] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD.,
[85] 2018-07-31
[86] 2016-05-17 (PCT/JP2016/064603)
[87] (WO2017/134843)
[30] JP (2016-019997) 2016-02-04

---

[11] **3,015,257**
[13] C
[51] **Int.Cl. H01R 12/73 (2011.01) A61C 17/22 (2006.01) B26B 21/40 (2006.01) H01R 13/52 (2006.01) H01R 13/64 (2006.01) H01R 13/73 (2006.01)**
[25] EN
[54] **ELECTRONIC SUBASSEMBLY FOR A PERSONAL CARE PRODUCT**
[54] **SOUS-ENSEMBLE ELECTRONIQUE POUR UN PRODUIT DE SOINS PERSONNELS**
[72] BROEMSE, NORBERT, DE
[72] HEUBACH, KLAUS, DE
[72] BEHRENDT, JUERGEN, DE
[73] THE GILLETTE COMPANY LLC,
[85] 2018-08-20
[86] 2017-03-09 (PCT/US2017/021509)
[87] (WO2017/160575)
[30] EP (16160242.0) 2016-03-14

---

[11] **3,016,440**
[13] C
[51] **Int.Cl. H02J 3/04 (2006.01) H02J 3/18 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **METHOD OF ASSESSING PROPER OPERATION OF VOLTAGE CONTROL DEVICE**
[54] **PROCEDE POUR EVALUER UN FONCTIONNEMENT CORRECT D'UN DISPOSITIF DE COMMANDE DE TENSION**
[72] ZHAO, DONGBO, US
[72] WANG, YIGANG, US
[72] PATIL, CHINMAYA BABURAO, US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2018-08-31
[86] 2017-03-02 (PCT/US2017/020350)
[87] (WO2017/151858)
[30] US (15/059,421) 2016-03-03

---

[11] **3,016,691**
[13] C
[51] **Int.Cl. G06F 9/50 (2006.01) H04L 12/931 (2013.01) G06F 9/44 (2018.01)**
[25] EN
[54] **IDENTIFYING THE REALIZATION STATUS OF LOGICAL ENTITIES BASED ON A GLOBAL REALIZATION NUMBER**
[54] **IDENTIFICATION DE L'ETAT DE REALISATION D'ENTITES LOGIQUES SUR LA BASE D'UN NUMERO DE REALISATION GLOBAL**
[72] LAMBETH, W. ANDREW, US
[72] STABILE, JAMES JOSEPH, US
[72] CHANDRASHEKHAR, GANESAN, US
[72] THAKKAR, PANKAJ, US
[72] BALLAND, PETER J., III, US
[72] GANICHEV, IGOR, US
[73] NICIRA, INC.,
[85] 2018-09-05
[86] 2017-01-18 (PCT/US2017/013996)
[87] (WO2017/160395)
[30] US (15/069,708) 2016-03-14
[30] US (15/069,706) 2016-03-14

[11] **3,017,304**
[13] C
[51] **Int.Cl. B29C 43/20 (2006.01) B29C 41/22 (2006.01) B29C 45/14 (2006.01)**
[25] EN
[54] **FRP SHEET PRESS MOLDING METHOD AND DEVICE AND FRP MOLDED ARTICLE**
[54] **PROCEDE ET DISPOSITIF DE PRESSE PAR VOIE HUMIDE DE FEUILLE EN PLASTIQUE RENFORCE DE FIBRE DE VERRE ET ARTICLE MOULE EN PLASTIQUE RENFORCE DE FIBRE DE VERRE**
[72] SAKURAI, MOTOKI, JP
[72] HAYASHI, KENJI, JP
[73] HONDA MOTOR CO., LTD.,
[85] 2018-09-10
[86] 2017-03-23 (PCT/JP2017/011773)
[87] (WO2017/164323)
[30] JP (2016-060726) 2016-03-24

[11] **3,018,661**
[13] C
[51] **Int.Cl. G08G 1/16 (2006.01) G06T 7/60 (2017.01)**
[25] EN
[54] **TRAVEL LANE DETECTION METHOD AND TRAVEL LANE DETECTION DEVICE**
[54] **PROCEDE DE DETECTION DE VOIE DE CIRCULATION ET DISPOSITIF DE DETECTION DE VOIE DE CIRCULATION**
[72] TSUCHIYA, CHIKAO, JP
[72] SANO, YASUHITO, JP
[73] NISSAN MOTOR CO., LTD.,
[85] 2018-09-21
[86] 2016-03-24 (PCT/JP2016/059397)
[87] (WO2017/163367)

[11] **3,019,160**
[13] C
[51] **Int.Cl. H04W 24/02 (2009.01) H04W 36/00 (2009.01) H04W 36/08 (2009.01) H04W 36/30 (2009.01) H04L 12/24 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **SERVICE DELIVERY TO HANDED OVER USER EQUIPMENT (UE) USING A SOFTWARE-DEFINED NETWORKING (SDN) CONTROLLER**
[54] **DISTRIBUTION DE SERVICES A UN EQUIPEMENT D'UTILISATEUR (UE) ITINERANT A L'AIDE D'UN CONTROLEUR DE RESEAUTAGE DEFINI PAR LOGICIEL (SDN)**
[72] WITZEL, ANDREAS, DE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL),
[85] 2018-09-26
[86] 2016-03-29 (PCT/IB2016/051754)
[87] (WO2017/168205)

[11] **3,020,573**
[13] C
[51] **Int.Cl. G01N 27/30 (2006.01) G01N 27/333 (2006.01) C25C 1/20 (2006.01) C25C 7/02 (2006.01) G01N 27/416 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL DETECTION OF PEROXIDE-CONTAINING COMPOUNDS**
[54] **DETECTION ELECTROCHIMIQUE DE COMPOSES RENFERMANT DU PEROXYDE**
[72] PATOLSKY, FERNANDO, IL
[72] KRIVITSKY, VADIM, IL
[72] FILANOVSKY, BORIS, IL
[73] RAMOT AT TEL-AVIV UNIVERSITY LTD.,
[85] 2018-10-12
[86] 2018-06-14 (PCT/IL2018/050666)
[87] (WO2018/229781)
[30] US (62/519,977) 2017-06-15

[11] **3,023,306**
[13] C
[51] **Int.Cl. C10M 141/10 (2006.01) C10M 161/00 (2006.01)**
[25] EN
[54] **LUBRICANT COMPOSITIONS FOR REDUCING TIMING CHAIN STRETCH**
[54] **COMPOSITIONS LUBRIFIANTES POUR REDUIRE L'ALLONGEMENT D'UNE CHAINE DE DISTRIBUTION**
[72] FLETCHER, KRISTIN, US
[72] LAM, WILLIAM Y., US
[73] AFTON CHEMICAL CORPORATION,
[85] 2018-11-05
[86] 2017-02-28 (PCT/US2017/019892)
[87] (WO2017/192202)
[30] US (15/147,211) 2016-05-05

[11] **3,023,374**
[13] C
[51] **Int.Cl. B65H 7/14 (2006.01) G01N 21/27 (2006.01)**
[25] EN
[54] **QUALITY CONTROL STATION WITH CAMERA CALIBRATION SYSTEM FOR SHEET ELEMENT PROCESSING MACHINE**
[54] **STATION DE CONTROLE DE QUALITE AVEC SYSTEME D'ETALONNAGE DE CAMERA POUR MACHINE DE TRAITEMENT D'ELEMENTS EN FEUILLE**
[72] PICCARDI, LORENZO, CH
[72] TRUSCELLO, MAURO, CH
[72] ANTOLINEZ, PABLO, FR
[73] BOBST MEX SA,
[85] 2018-11-06
[86] 2017-05-09 (PCT/EP2017/025114)
[87] (WO2017/198343)
[30] DE (20 2016 102 705.5) 2016-05-20

[11] **3,023,690**
[13] C
[51] **Int.Cl. G01M 11/04 (2006.01) G01M 11/00 (2006.01) G01M 11/02 (2006.01) G02C 11/00 (2006.01)**
[25] EN
[54] **FIXTURELESS LENSMETER AND METHODS OF OPERATING SAME**
[54] **FRONTOFOCOMETRE SANS SUPPORT ET PROCEDES DE FONCTIONNEMENT CORRESPONDANTS**
[72] GOLDBERG, DAVID HOWARD, US
[72] CARRAFA, JOSEPH, US
[73] JAND, INC.,
[85] 2018-11-08
[86] 2017-05-17 (PCT/US2017/033064)
[87] (WO2017/201144)
[30] US (15/157,835) 2016-05-18

[11] **3,027,062**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING ESTIMATED TIME OF ARRIVAL**
[54] **SYSTEMES ET METHODES DE DETERMINATION DE L'HEURE D'ARRIVEE PREVUE**
[72] ZHONG, XIAOWEI, CN
[72] WANG, ZITENG, CN
[72] WANG, ZHENG, CN
[73] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.,
[85] 2018-12-11
[86] 2017-06-13 (PCT/CN2017/088089)
[87] (WO2018/227389)

[11] **3,027,348**
[13] C
[51] **Int.Cl. E21B 43/25 (2006.01) E21B 41/00 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **REAL-TIME MONITORING AND CONTROL OF DIVERTER PLACEMENT FOR MULTISTAGE STIMULATION TREATMENTS**
[54] **SURVEILLANCE ET COMMANDE EN TEMPS REEL DE POSITIONNEMENT DE DEFLECTEUR POUR DES TRAITEMENTS DE STIMULATION A ETAPES MULTIPLES**
[72] CAMP, JOSHUA LANE, US
[72] ANDERSON, TYLER AUSTEN, US
[72] RUSSELL, AARON GENE, US
[72] MADASU, SRINATH, US
[72] DHULDHOYA, KARAN, US
[72] INYANG, UBONG, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-12-11
[86] 2016-07-27 (PCT/US2016/044310)
[87] (WO2018/022044)

[11] **3,028,938**
[13] C
[51] **Int.Cl. F16L 15/00 (2006.01) F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR PIPE AND METHOD FOR PRODUCING THREADED CONNECTION FOR PIPE**
[54] **RACCORD FILETE DESTINE A UN TUYAU ET METHODE DE PRODUCTION D'UN RACCORD FILETE DESTINE A UN TUYAU**
[72] GOTO, KUNIO, JP
[73] NIPPON STEEL CORPORATION,
[73] VALLOUREC OIL AND GAS FRANCE,
[85] 2018-12-20
[86] 2017-06-08 (PCT/JP2017/021396)
[87] (WO2018/003455)
[30] JP (2016-129518) 2016-06-30

[11] **3,029,016**
[13] C
[51] **Int.Cl. B65D 77/08 (2006.01) B65D 25/04 (2006.01) B65D 77/10 (2006.01) B65D 81/32 (2006.01)**
[25] EN
[54] **MULTI-COMPARTMENT CONTAINERS**
[54] **CONTENANTS A COMPARTIMENTS MULTIPLES**
[72] GERSOVITZ, GERRY, US
[73] GERSOVITZ, GERRY,
[85] 2018-12-20
[86] 2017-07-03 (PCT/US2017/040583)
[87] (WO2018/006085)
[30] US (62/357,644) 2016-07-01

[11] **3,029,099**
[13] C
[51] **Int.Cl. A61K 8/67 (2006.01) A61K 8/365 (2006.01) A61K 8/368 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01) A61Q 19/02 (2006.01) A61Q 19/08 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **SKIN CARE COMPOSITION AND USE THEREOF**
[54] **COMPOSITION DE SOIN DE LA PEAU ET SON UTILISATION**
[72] HICKS, JAKE THOMAS, GB
[72] TOMLINSON, PAUL JAMES, GB
[73] THE BOOTS COMPANY PLC,
[85] 2018-12-21
[86] 2017-06-28 (PCT/EP2017/025185)
[87] (WO2018/001573)
[30] GB (1611362.3) 2016-06-30

[11] **3,033,132**
[13] C
[51] **Int.Cl. A61K 8/99 (2017.01) A61K 8/9728 (2017.01) A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 8/36 (2006.01) A61K 8/66 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITION FOR REJUVENATING AND/OR REPAIRING SKIN, METHODS, USES AND KITS THEREOF**
[54] **COMPOSITION TOPIQUE POUR RAJEUNIR ET/OU REPARER LA PEAU, PROCEDES, UTILISATIONS ET KITS ASSOCIES**
[72] FORGET, NATHALIE, CA
[73] DAVINCIA INC.,
[85] 2019-02-06
[86] 2018-07-27 (PCT/CA2018/050916)
[87] (WO2019/018944)
[30] US (62/538,346) 2017-07-28

[11] **3,033,823**
[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/08 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **SYSTEM, APPARATUS AND METHOD FOR CONDUCTING AN ONLINE TRANSACTION TO FULFILL A RAIL-SHIPMENT SERVICE INQUIRY OR A RAIL-SHIPMENT SERVICE ORDERING**
[54] **SYSTEME, APPAREIL ET PROCEDE POUR EFFECTUER UNE TRANSACTION EN LIGNE AFIN DE REMPLIR UNE DEMANDE DE RENSEIGNEMENTS SUR UN SERVICE D'EXPEDITION FERROVIAIRE OU UNE COMMANDE DE SERVICE D'EXPEDITION FERROVIAIRE**
[72] PODGURNY, LEONARD JOHN, CA
[72] ERNESAKS, ANITA, CA
[73] CANADIAN NATIONAL RAILWAY COMPANY,
[86] (3033823)
[87] (3033823)
[22] 2002-02-01
[62] 3,004,843

[11] **3,036,734**
[13] C
[51] **Int.Cl. D04H 1/42 (2012.01) B01D 39/16 (2006.01) D01F 1/10 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PLEATABLE TEXTILE OBJECT HAVING ELECTROSTATICALLY CHARGED FIBRES, AND A PLEATABLE TEXTILE OBJECT**
[54] **PROCEDE DE FABRICATION D'UNE STRUCTURE TEXTILE PLISSABLE DOTEE DE FIBRES A CHARGE ELECTROSTATIQUE, ET STRUCTURE TEXTILE PLISSABLE**
[72] BERKEMANN, RALPH, DE
[72] STAUSS, FABIAN, DE
[72] ENDRISS, FRANK, US
[72] TULKE, ANDREAS, DE
[73] GROZ-BECKERT KG,
[85] 2019-03-13
[86] 2017-10-06 (PCT/DE2017/100849)
[87] (WO2018/065014)
[30] DE (10 2016 118 966.9) 2016-10-06

[11] **3,037,995**
[13] C
[51] **Int.Cl. A61B 18/22 (2006.01) A61B 90/90 (2016.01)**
[25] EN
[54] **SYSTEM FOR SURGICAL TREATMENT**
[54] **SYSTEME POUR UN TRAITEMENT CHIRURGICAL**
[72] SCHUBERT, MICHAEL, DE
[73] IMS GMBH,
[85] 2019-03-22
[86] 2017-09-29 (PCT/EP2017/074783)
[87] (WO2018/060429)
[30] DE (10 2016 118 663.5) 2016-09-30

[11] **3,041,417**
[13] C
[51] **Int.Cl. A61K 31/722 (2006.01) A61P 1/16 (2006.01) A61P 35/00 (2006.01) C12P 19/14 (2006.01) C12P 19/26 (2006.01)**
[25] EN
[54] **CHITOOLIGOSACCHARIDE OF SPECIFIC STRUCTURE, PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **CHITOOLIGOSACCHARIDE DE STRUCTURE SPECIFIQUE, PROCEDE DE PREPARATION ASSOCIE ET UTILISATION ASSOCIEE**
[72] DU, YUGUANG, CN
[72] CHENG, GONG, CN
[72] JIA, PEIYUAN, CN
[72] SUN, MING, CN
[72] JIAO, SIMING, CN
[72] REN, LISHI, CN
[72] FENG, CUI, CN
[73] ZHONGKE RUNXIN (SUZHOU) BIOLOGICAL TECHNOLOGY CO., LTD.,
[85] 2019-04-23
[86] 2017-11-08 (PCT/CN2017/109990)
[87] (WO2019/071688)
[30] CN (201710939041.0) 2017-10-11

[11] **3,043,088**
[13] C
[51] **Int.Cl. A22C 18/00 (2006.01) A22B 5/00 (2006.01) A22B 5/08 (2006.01) A22B 7/00 (2006.01) A22C 17/08 (2006.01)**
[25] EN
[54] **METHOD OF PROCESSING AN INTACT ANIMAL CARCASS**
[54] **METHODE DE TRAITEMENT D'UNE CARCASSE D'ANIMAL INTACT**
[72] LAURI, LUANA, CA
[72] LAURI, TEODORO, CA
[72] LAURI, FABRIZIO, CA
[73] LAURI, LUANA,
[73] LAURI, TEODORO,
[73] LAURI, FABRIZIO,
[86] (3043088)
[87] (3043088)
[22] 2019-05-10

[11] **3,043,895**
[13] C
[51] **Int.Cl. C07D 305/14 (2006.01) A61K 31/337 (2006.01) A61P 35/00 (2006.01) C07D 405/14 (2006.01)**
[25] EN
[54] **NEW TYPE OF TAXANE COMPOUND, PREPARATION METHOD AND APPLICATION THEREOF**
[54] **NOUVEAU COMPOSE TAXOIDE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] YANG, DARIA, CN
[72] WANG, HUIJUAN, CN
[73] INNER MONGOLIA PUYIN PHARMACEUTICAL CO., LTD.,
[73] CHANGZHOU FANGYUAN PHARMACEUTICAL CO., LTD.,
[85] 2018-12-14
[86] 2016-11-14 (PCT/CN2016/105692)
[87] (WO2017/215188)
[30] CN (201610426133.4) 2016-06-15

[11] **3,044,073**
[13] C
[51] **Int.Cl. G02F 1/153 (2006.01) B64C 1/14 (2006.01) G02B 27/01 (2006.01) G09G 3/36 (2006.01)**
[25] EN
[54] **INTELLIGENT GLASS DISPLAYS AND METHODS OF MAKING AND USING SAME**
[54] **AFFICHAGES DE VERRE INTELLIGENTS ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELUI-CI**
[72] STATON, FIELDING B., US
[72] STRUMPF, DAVID, US
[73] NEWTONOID TECHNOLOGIES, LLC,
[85] 2019-05-15
[86] 2017-12-22 (PCT/US2017/068300)
[87] (WO2018/119436)
[30] US (62/438,989) 2016-12-23
[30] US (62/450,769) 2017-01-26

[11] **3,044,660**
[13] C
[51] **Int.Cl. G06F 17/10 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **INFORMATION PROCESSING DEVICE AND INFORMATION PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS ET PROCEDE DE TRAITEMENT D'INFORMATIONS**
[72] HIROI, TOSHIYUKI, JP
[72] NAKAMURA, AKIRA, JP
[72] YAMAMOTO, MAKIKO, JP
[72] IKEGAYA, RYOJI, JP
[73] SONY CORPORATION,
[85] 2019-05-22
[86] 2018-06-29 (PCT/JP2018/024923)
[87] (WO2019/064774)
[30] JP (2017-189889) 2017-09-29

[11] **3,048,201**
[13] C
[51] **Int.Cl. E21B 36/00 (2006.01) E21B 17/00 (2006.01) E21B 17/10 (2006.01) E21B 43/32 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **REDUCTION OF HYDROGEN INGRESS INTO VACUUM INSULATED TUBING**
[54] **REDUCTION D'APPORT D'HYDROGENE DANS UN TUBAGE ISOLE PAR ASPIRATION**
[72] KOROLUK, DEVON C., CA
[72] TEMPLE, BLAIR W., CA
[73] IMPERIAL OIL RESOURCES LIMITED,
[86] (3048201)
[87] (3048201)
[22] 2019-06-28

[11] **3,048,377**
[13] C
[51] **Int.Cl. B61B 5/02 (2006.01) E01B 5/02 (2006.01) E01B 25/00 (2006.01)**
[25] EN
[54] **ANTI-SEISMIC RETAINING SYSTEM FOR A MASS TRANSIT VEHICLE**
[54] **SYSTEME DE RETENUE ANTISISMIQUE DESTINE A UN VEHICULE DE TRANSPORT EN COMMUN**
[72] BAZINET, DAVID, CA
[72] DUMOULIN, LOUIS, CA
[73] BOMBARDIER TRANSPORTATION CANADA INC.,
[86] (3048377)
[87] (3048377)
[22] 2019-06-28

[11] **3,050,038**
[13] C
[51] **Int.Cl. C07C 67/04 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING (METH)ACRYLIC ACID NORBORNYL ESTERS**
[54] **PROCEDE POUR LA PREPARATION D'ESTERS DE NORBORNYLE D'ACIDE (METH)ACRYLIQUE**
[72] MISSKE, ANDREA, DE
[72] FLECKENSTEIN, CHRISTOPH, DE
[72] FLEISCHHAKER, FRIEDERIKE, DE
[73] BASF SE,
[85] 2019-07-12
[86] 2018-01-22 (PCT/EP2018/051381)
[87] (WO2018/138025)
[30] EP (17153566.9) 2017-01-27

[11] **3,051,551**
[13] C
[51] **Int.Cl. E01F 15/00 (2006.01) B64F 1/02 (2006.01) E01C 9/00 (2006.01) E01F 11/00 (2006.01)**
[25] EN
[54] **ENGINEERED MATERIAL ARRESTING SYSTEM AND METHODS FOR FORMING SAME**
[54] **SYSTEME D'IMMOBILISATION EN MATERIAU TRANSFORME ET PROCEDES POUR LE FORMER**
[72] BARSOTTI, MATTHEW, US
[72] JONES, CLIFF, US
[72] HADJIOANNOU, MICHALIS, US
[72] PURYEAR, JOHN, US
[73] RUNWAY SAFE IPR AB,
[85] 2019-07-24
[86] 2018-03-05 (PCT/IB2018/051412)
[87] (WO2018/158757)
[30] US (62/466,922) 2017-03-03

[11] **3,052,424**
[13] C
[51] **Int.Cl. A63B 23/16 (2006.01) A61H 39/04 (2006.01) A63B 21/02 (2006.01) A63B 21/05 (2006.01) A63B 21/055 (2006.01) A63B 26/00 (2006.01)**
[25] EN
[54] **MULTI-DIGIT DEVICE FOR HAND EXERCISES**
[54] **DISPOSITIF POUR MULTIPLES DOIGTS DESTINE A DES EXERCICES MANUELS**
[72] HARRISON, DANNY LEVI, US
[73] HARRISON LEGACY 301, LLC,
[85] 2019-08-01
[86] 2018-01-12 (PCT/US2018/013653)
[87] (WO2018/144208)
[30] US (15/423,039) 2017-02-02

[11] **3,054,712**
[13] C
[51] **Int.Cl. G10L 19/06 (2013.01) G10L 19/038 (2013.01) G10L 19/093 (2013.01)**
[25] EN
[54] **MODEL BASED PREDICTION IN A CRITICALLY SAMPLED FILTERBANK**
[54] **PREDICTION BASEE SUR UN MODELE DANS UN BLOC DE FILTRES ECHANTILLONNES DE MANIERE CRITIQUE**
[72] VILLEMOES, LARS, SE
[73] DOLBY INTERNATIONAL AB,
[86] (3054712)
[87] (3054712)
[22] 2014-01-07
[62] 3,012,134
[30] US (61/750052) 2013-01-08
[30] US (61/875528) 2013-09-09

[11] **3,057,342**
[13] C
[51] **Int.Cl. B21J 1/06 (2006.01) C22C 19/05 (2006.01)**
[25] EN
[54] **THERMO-MECHANICAL PROCESSING OF NICKEL-BASE ALLOYS**
[54] **TRAITEMENT THERMOMECANIQUE D'ALLIAGES DE NICKEL**
[72] FORBES JONES, ROBIN M., US
[72] ROCK, CHRISTOPHER D., US
[73] ATI PROPERTIES LLC,
[86] (3057342)
[87] (3057342)
[22] 2012-05-07
[62] 2,836,842
[30] US (13/150,494) 2011-06-01

[11] **3,059,028**
[13] C
[51] **Int.Cl. A62B 35/00 (2006.01)**
[25] EN
[54] **FALL-PROTECTION APPARATUS WITH PROTECTIVE SHROUD AND WITH SLEEVE ASSEMBLY**
[54] **APPAREIL ANTI-CHUTE AVEC ENVELOPPE DE PROTECTION ET ENSEMBLE MANCHON**
[72] BORAAS, MICHAEL A., US
[73] 3M INNOVATIVE PROPERTIES COMPANY,
[85] 2019-10-03
[86] 2018-03-28 (PCT/IB2018/052143)
[87] (WO2018/185614)
[30] US (62/480,807) 2017-04-03

[11] **3,063,485**
[13] C
[51] **Int.Cl. C08K 3/22 (2006.01) C08K 9/06 (2006.01) C08L 83/04 (2006.01) C08L 83/06 (2006.01) H01B 17/32 (2006.01)**
[25] EN
[54] **SILICONE RUBBER WITH ATH FILLER**
[54] **CAOUTCHOUC DE SILICONE PRESENTANT UNE CHARGE D'ATH**
[72] HILLBORG, HENRIK, SE
[72] HJORTSTAM, OLOF, SE
[72] LOFAS, HENRIK, SE
[72] BIRGERSON, JONAS, SE
[73] ABB SCHWEIZ AG,
[85] 2019-11-13
[86] 2018-05-10 (PCT/EP2018/062170)
[87] (WO2018/210687)
[30] EP (17171853.9) 2017-05-19

[11] **3,064,575**
[13] C
[51] **Int.Cl. G07B 15/02 (2011.01) H04W 4/029 (2018.01)**
[25] EN
[54] **PROXIMITY-BASED COMPUTER APPLICATION CONTROL**
[54] **COMMANDE D'APPLICATION INFORMATIQUE A BASE DE PROXIMITE**
[72] ODINAK, GILAD, US
[72] GOLDBERG, ADAM, NL
[73] ODINAK, GILAD,
[73] GOLDBERG, ADAM,
[85] 2019-11-21
[86] 2018-05-24 (PCT/US2018/034478)
[87] (WO2018/218074)
[30] US (62/511,266) 2017-05-25
[30] US (15/988,902) 2018-05-24

---

[11] **3,065,815**
[13] C
[51] **Int.Cl. H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **METHOD, APPARATUS AND SYSTEM FOR CHARGING TWO-TERMINAL PORTABLE ELECTRONIC DEVICES**
[54] **PROCEDE, APPAREIL ET SYSTEME DE CHARGE DE DISPOSITIFS ELECTRONIQUES PORTABLES A DEUX BORNES**
[72] WEISSINGER, FREDERICK J., US
[72] BAKER, RYAN, US
[73] MOTOROLA SOLUTIONS, INC.,
[85] 2019-12-03
[86] 2018-05-09 (PCT/US2018/031882)
[87] (WO2018/226346)
[30] US (15/616,718) 2017-06-07

Canadian Applications Open to Public Inspection

May 24, 2020 to May 30, 2020

Demandes canadiennes mises à la disponibilité du public

24 mai 2020 au 30 mai 2020

---

[21] **3,025,218**
[13] A1
[51] **Int.Cl. A01K 69/08 (2006.01) A01K 99/00 (2006.01)**
[25] EN
[54] **FISHING TRAP FETCHER**
[54] **RECUPERATEUR DE CASIER**
[72] BELZILE, LUC, CA
[71] BELZILE, LUC, CA
[22] 2018-11-26
[41] 2020-05-26

---

[21] **3,025,222**
[13] A1
[51] **Int.Cl. F17C 7/00 (2006.01) B60S 5/02 (2006.01) F17D 1/04 (2006.01)**
[25] EN
[54] **COMPRESSED-GAS DISTRIBUTION ASSOCIATED WITH VEHICLE**
[54] **DISTRIBUTION DE GAZ COMPRIME ASSOCIE AU VEHICULE**
[72] SMITH, GORDON RYMAL, CA
[72] DAVIDSON, ALLAN WALLACE, CA
[71] CHANGE ENERGY SERVICES, CA
[22] 2018-11-26
[41] 2020-05-24
[30] US (16/199,155) 2018-11-24

---

[21] **3,025,225**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 12/02 (2006.01) G06F 12/16 (2006.01)**
[25] EN
[54] **APPLICATION AWARE SNAPSHOTS**
[54] **INSTANTANES SENSIBLES A L`APPLICATION**
[72] PATTERSON, JOHN A., US
[71] NEXGEN STORAGE, INC., US
[22] 2018-11-26
[41] 2020-05-26

---

[21] **3,025,237**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01) A01B 73/02 (2006.01)**
[25] EN
[54] **FOLDING WING PLOW**
[54] **CHARRUE EN AILE RABATTABLE**
[72] BUDROW, CHASE, CA
[72] STAIRS, MARK, CA
[72] PELKEY, TONY, CA
[72] CRAIG, BENJAMIN, CA
[72] HALLET, BRADLEY, CA
[71] CRAIG MANUFACTURING LTD., CA
[22] 2018-11-26
[41] 2020-05-26

---

[21] **3,025,302**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **PROCESS TO INTEGRATE QUANTIFIED QUALITATIVE DATA INTO ANALYTICS**
[54] **PROCESSUS D`INTEGRATION DE DONNEES QUALITATIVES QUANTIFIEES DANS UNE ANALYSE**
[72] SHERMAN, LOREEN M., CA
[71] SHERMAN, LOREEN M., CA
[22] 2018-11-26
[41] 2020-05-26

---

[21] **3,025,332**
[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01)**
[25] EN
[54] **FURROW OPENER WITH WINGS OVERLAPPING OPENER BODY**
[54] **OUVREUR DE SILLON AVEC AILES CHEVAUCHANT LE CORPS DE L`ORGANE OUVREUR**
[72] MILATZ, ROGAN D., CA
[72] STOBBS, STUART, CA
[72] BOOY, MIKE, CA
[72] HOFFART, JARRETT, CA
[72] DUFF, DENNIS, CA
[71] DUTCH BLACKSMITH SHOP LTD., CA
[22] 2018-11-26
[41] 2020-05-26

---

[21] **3,025,356**
[13] A1
[51] **Int.Cl. B07B 13/04 (2006.01) A01K 61/95 (2017.01) A22C 25/00 (2006.01) A22C 25/04 (2006.01) B07B 1/12 (2006.01) B07B 1/46 (2006.01)**
[25] EN
[54] **ADJUSTABLE GAP GRAVITY GRADER**
[54] **NIVELEUSE A GRAVITE A ECARTEMENT REGLABLE**
[72] KING, JAMES J., CA
[71] NEWAQUA SOLUTIONS INC., CA
[22] 2018-11-27
[41] 2020-05-27

[21] **3,025,367**
[13] A1
[51] **Int.Cl. B65D 43/16 (2006.01) A45C 11/20 (2006.01) B65D 81/38 (2006.01)**
[25] EN
[54] **SOFT-SIDED INSULATED CONTAINER WITH LID FITTING**
[54] **RECIPIENT ISOLE A COTES SOUPLES AVEC COUVERCLE**
[72] MITCHELL, ELIZABETH, CA
[72] BAATZ, MIKE, CA
[72] KEARNS, WILLIAM, CA
[72] EDWARDS, CHRISTOPHER, CA
[72] MOGIL, MELVIN, CA
[72] STEPHENS, RICHARD, US
[72] BARATTIN, ALEXANDER, CA
[72] WU, JINGCHAO, CA
[71] CALIFORNIA INNOVATIONS INC., CA
[22] 2018-11-27
[41] 2020-05-27

---

[21] **3,025,511**
[13] A1
[51] **Int.Cl. A23L 7/10 (2016.01) A23L 5/00 (2016.01) A23L 7/117 (2016.01)**
[25] EN
[54] **CUSTOMIZABLE MUESLI AND PORRIDGE MIX**
[54] **MELANGE PERSONNALISABLE DE MUESLI ET DE GRUAU**
[72] FLODR, SARAH-SOPHIA, CA
[71] FLODR, SARAH-SOPHIA, CA
[22] 2018-11-27
[41] 2020-05-27

---

[21] **3,025,547**
[13] A1
[51] **Int.Cl. E06B 1/00 (2006.01) E06B 1/52 (2006.01) E06B 1/62 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **SHOCK ABSORBING CORNERS FOR DOOR-OPENING SECTIONS AND DOORS OF DASHER BOARD ASSEMBLIES**
[54] **COINS AMORTISSEURS POUR LES SECTIONS D`OUVERTURE DES PORTES ET PORTES DES BANDES**
[72] NOSEWORTHY, ROGER, CA
[71] NOSEWORTHY, ROGER, CA
[22] 2018-11-28
[41] 2020-05-28

---

[21] **3,025,597**
[13] A1
[51] **Int.Cl. B60S 1/66 (2006.01) B62D 25/08 (2006.01)**
[25] EN
[54] **VEHICLE WHEEL WELL DE-ICING APPARATUS**
[54] **APPAREIL DE DEGIVRAGE DU PASSAGE DE ROUE D`UN VEHICULE**
[72] COOK, CHARLES N., CA
[71] COOK, CHARLES N., CA
[22] 2018-11-28
[41] 2020-05-28
[30] US (16/202,164) 2018-11-28

---

[21] **3,025,674**
[13] A1
[51] **Int.Cl. F16L 3/10 (2006.01) A01G 23/10 (2006.01)**
[25] FR
[54] **SUPPORT FLANGE FOR FLEX TUBING**
[54] **BRIDE DE SUPPORT POUR TUBES FLEXIBLES**
[72] VACHON, LEANDRE, CA
[71] LE GROUPE DSD INC., CA
[22] 2018-11-28
[41] 2020-05-28

---

[21] **3,025,755**
[13] A1
[51] **Int.Cl. B62D 51/04 (2006.01) B60S 13/00 (2006.01)**
[25] EN
[54] **ELECTRIC TRAILER DOLLY AND METHOD**
[54] **CHARIOT ELECTRIQUE POUR REMORQUE ET METHODE**
[72] BAILEY, COREY D., CA
[71] BAILEY, COREY D., CA
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,758**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/28 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23L 2/56 (2006.01) C12C 12/00 (2006.01) C12G 3/06 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **INDUSTRIAL HEMP CANNABIS CULTIVARS AND SEEDS WITH STABLE CANNABINOID PROFILES**
[54] **CULTIVARS ET GRAINES DE CANNABIS DE CHANVRE INDUSTRIEL A PROFIL CANNABINOIDE STABLE**
[72] FLETCHER, RICHARD S., US
[72] MCKAY, JOHN, US
[71] NEW WEST GENETICS, US
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,771**
[13] A1
[51] **Int.Cl. A45D 44/16 (2006.01) A41G 5/02 (2006.01) A45D 44/00 (2006.01)**
[25] EN
[54] **FALSE EYELASH PORTABLE TRAVEL KIT**
[54] **TROUSSE DE VOYAGE PORTATIVE POUR FAUX CILS**
[72] STORY, SARENA, CA
[71] STORY, SARENA, CA
[22] 2018-11-29
[41] 2020-05-29

[21] **3,025,780**
[13] A1
[51] **Int.Cl. G05D 23/19 (2006.01) H03K 17/16 (2006.01)**
[25] EN
[54] **SWITCHING CONTROL CIRCUITS HAVING REDUCED CONDUCTED EMI**
[54] **CIRCUITS DE COMMANDE DE COMMUTATION A PERTURBATION ELECTROMAGNETIQUE PAR CONDUCTION REDUITE**
[72] CHAMPAGNE, MAXIME, CA
[72] LEMIRE, JIMMY, CA
[72] BOUDOUR, MOHAMED, CA
[72] SIMARD, JEAN-FRANCOIS, CA
[72] CYR, JEAN-MARC, CA
[72] MCNABB-BALTAR, JOEL, CA
[71] STELPRO DESIGN INC., CA
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,831**
[13] A1
[51] **Int.Cl. G01N 3/12 (2006.01) G01M 3/22 (2006.01)**
[25] EN
[54] **HYDROSTATIC PRESSURE TEST SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES D`ESSAI DE PRESSION HYDROSTATIQUE**
[72] ORMEROD, WILLIAM, CA
[71] TECHNEL ENGINEERING INC., CA
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,841**
[13] A1
[51] **Int.Cl. B29C 33/56 (2006.01)**
[25] EN
[54] **LUBRICANT-INFUSED MOLDS AND USES THEREOF**
[54] **MOULES IMPREGNES DE LUBRIFIANT ET LEURS UTILISATIONS**
[72] DIDAR, TOHID, CA
[72] VILLEGAS, MARTIN, CA
[72] SHAKERI, AMID, CA
[72] CETINIC, ZACHARY, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,843**
[13] A1
[51] **Int.Cl. F16K 15/06 (2006.01) B65D 47/34 (2006.01) F16K 1/36 (2006.01) F16K 1/42 (2006.01)**
[25] EN
[54] **VALVE RETENTION UNDER PRESSURE**
[54] **RETENUE DE SOUPAPE SOUS PRESSION**
[72] OPHARDT, HEINER, CH
[72] JONES, ANDREW, CH
[71] OP-HYGIENE IP GMBH, CH
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,877**
[13] A1
[51] **Int.Cl. H02S 10/30 (2014.01)**
[25] EN
[54] **UNKNOWN**
[54] **INCONNU**
[72] UNKNOWN, XX
[71] SALEM, MAURICE, CA
[22] 2018-11-30
[41] 2020-05-30

---

[21] **3,025,910**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY OT34672671**
[54] **VARIETE DE SOYA OT34672671**
[72] WILEY, HUNT B., US
[71] AGRIGENETICS, INC., US
[22] 2018-11-30
[41] 2020-05-27
[30] US (62/771656) 2018-11-27

---

[21] **3,025,915**
[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) H04W 64/00 (2009.01) H04W 4/90 (2018.01) H04W 76/14 (2018.01) G08B 29/12 (2006.01)**
[25] EN
[54] **SYSTEM AND INTERFACES FOR MANAGING WORKPLACE EVENTS**
[54] **SYSTEME ET INTERFACES POUR LA GESTION DES EVENEMENTS SUR LE LIEU DE TRAVAIL**
[72] MORGENTHAU, JUSTIN J., US
[72] SWEET, BENJAMIN TYSON, US
[72] PROBERT, GREGORY MATHIAS, US
[71] TRIAX TECHNOLOGIES, INC., US
[22] 2018-11-29
[41] 2020-05-29

---

[21] **3,025,925**
[13] A1
[51] **Int.Cl. G02B 6/122 (2006.01) G02B 1/10 (2015.01) H01S 3/067 (2006.01) H01S 3/17 (2006.01)**
[25] EN
[54] **TELLURIUM-OXIDE-COATED SILICON NITRIDE OPTICAL WAVEGUIDES AND METHODS OF FABRICATION THEREOF**
[54] **GUIDES D`ONDES OPTIQUES EN NITRURE DE SILICIUM RECOUVERTS D`OXYDE DE TELLURE ET LEURS PROCEDES DE FABRICATION**
[72] BRADLEY, JONATHAN, CA
[72] KNIGHTS, ANDREW, CA
[72] FRANKIS, HENRY, CA
[72] BONNEVILLE, DAWSON, CA
[72] MIARABBAS KIANI, KHADIJEH, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2018-11-30
[41] 2020-05-30

[21] **3,025,937**
[13] A1
[51] **Int.Cl. A01K 1/02 (2006.01) E04H 5/00 (2006.01)**
[25] FR
[54] **FARROWING ROOM EXTENSION FOR HOG INDUSTRY**
[54] **RALLONGE D'ENCLOS DE MISE BAS POUR L'INDUSTRIE PORCINE**
[72] TANGUAY, PATRICIA, CA
[72] LAROCQUE, PIERRE, CA
[71] CONCEPT BIO-SECURITE INC., CA
[22] 2018-11-30
[41] 2020-05-30

[21] **3,025,945**
[13] A1
[51] **Int.Cl. A23L 29/10 (2016.01) A23L 25/00 (2016.01) A23D 7/005 (2006.01) A23J 3/04 (2006.01) A23J 3/08 (2006.01) A23J 3/14 (2006.01)**
[25] EN
[54] **CREAMY EDIBLE EMULSIONS**
[54] **EMULSIONS CREMEUSES ET COMESTIBLES**
[72] BROMLEY, PHILIP J., US
[71] VIRUN, INC., US
[22] 2018-11-30
[41] 2020-05-30

[21] **3,025,972**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY OT34673116**
[54] **VARIETE DE SOYA OT34673116**
[72] WILEY, HUNT B., US
[71] AGRIGENETICS, INC., US
[22] 2018-11-30
[41] 2020-05-27
[30] US (62/771666) 2018-11-27

[21] **3,025,983**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SOYBEAN VARIETY GF34657602**
[54] **VARIETE DE SOYA GF34657602**
[72] SPREHE, DOUGLAS P., US
[71] AGRIGENETICS, INC., US
[22] 2018-11-30
[41] 2020-05-27
[30] US (62/771650) 2018-11-27

[21] **3,025,992**
[13] A1
[51] **Int.Cl. F23G 7/08 (2006.01)**
[25] EN
[54] **IMPROVED FLARE STACK**
[54] **TOUR DE TORCHE AMELIOREE**
[72] STORMOEN, KENT, CA
[72] CHOUINARD, PAUL, CA
[72] SPEED, DAVID, CA
[71] MAXIMUM EROSION MITIGATION SYSTEMS LTD., CA
[22] 2018-11-30
[41] 2020-05-30

[21] **3,025,993**
[13] A1
[51] **Int.Cl. F16C 33/04 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01) C08K 3/01 (2018.01) C08J 3/20 (2006.01) C08J 5/24 (2006.01) C08L 27/18 (2006.01) F16C 33/20 (2006.01) F16N 15/00 (2006.01)**
[25] EN
[54] **PROCESS OF MANUFACTURING SELF-LUBRICATING ELEMENTS WITH NANOSCALE LUBRICANTS**
[54] **PROCEDE DE FABRICATION D`ELEMENTS AUTOLUBRIFIANTS AVEC DES LUBRIFIANTS A L`ECHELLE NANOMETRIQUE**
[72] JENSEN, ETIENNE HENRIQUE, BR
[71] JENSEN, ETIENNE HENRIQUE, BR
[22] 2018-11-30
[41] 2020-05-30

[21] **3,026,097**
[13] A1
[51] **Int.Cl. B65D 5/42 (2006.01) B65D 65/38 (2006.01)**
[25] EN
[54] **SLEEVE FOR A CONTAINER OR THE LIKE AND BLANK FOR CONSTRUCTING THE SAME**
[54] **MANCHON POUR RECIPIENT OU SIMILAIRE ET MODELE POUR EN CONSTRUIRE UN**
[72] GOLDBERG, LESLIE, CA
[72] GOLDBERG, ADAM JACKSON, CA
[71] GOLDRICH PRINTPAK INC., CA
[22] 2018-11-30
[41] 2020-05-30

[21] **3,026,101**
[13] A1
[51] **Int.Cl. B60C 27/02 (2006.01) B60C 27/04 (2006.01)**
[25] EN
[54] **TIRE TRACTION DEVICE**
[54] **DISPOSITIF DE TRACTION POUR PNEUS**
[72] VOROBIEV, VLADIMIR, CA
[71] VOROBIEV, VLADIMIR, CA
[22] 2018-11-30
[41] 2020-05-30

[21] **3,027,765**
[13] A1
[51] **Int.Cl. E04H 4/14 (2006.01) E04H 4/06 (2006.01)**
[25] EN
[54] **POOL COVER ANCHOR**
[54] **ANCRE DE BACHE DE PISCINE**
[72] LEWIS, STEPHEN MICHAEL, US
[71] VOICE TECHNOLOGY SOLUTIONS, INC., US
[22] 2018-12-18
[41] 2020-05-27
[30] US (16/200,929) 2018-11-27

[21] **3,028,900**
[13] A1
[51] **Int.Cl. G06F 16/901 (2019.01) G06F 16/903 (2019.01)**
[25] EN
[54] **DATA STORAGE USING A BI-TEMPORAL INDEX**
[54] **STOCKAGE DES DONNEES A L`AIDE D`UN INDEX BITEMPOREL**
[72] PANAGOPLOS, TY PETER, CA
[72] BOSMAN, DANIEL MARTIN, CA
[72] GHAHREMANI, KAVEH, CA
[72] NGOC, FREDERIC KHAI DANG, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-01-03
[41] 2020-05-28
[30] US (16/203,584) 2018-11-28

---

[21] **3,032,987**
[13] A1
[51] **Int.Cl. A47B 81/00 (2006.01) D06F 58/10 (2006.01) F26B 9/00 (2006.01)**
[25] EN
[54] **FORCED AIR DRYING LOCKER**
[54] **ARMOIRE DE SECHAGE A AIR FORCE**
[72] WILLIAMS, GARY, CA
[71] WILLIAMS BOOT & GLOVE DRYERS INC., CA
[22] 2019-02-07
[41] 2020-05-29
[30] US (16/203675) 2018-11-29

---

[21] **3,033,684**
[13] A1
[51] **Int.Cl. F16H 61/662 (2006.01) F16H 9/12 (2006.01) F16H 9/18 (2006.01) F16H 55/56 (2006.01)**
[25] EN
[54] **DRIVE PULLEY FOR A CONTINUOUSLY VARIABLE TRANSMISSION**
[54] **POULIE MOTRICE POUR TRANSMISSION A VARIATION CONTINUE**
[72] AITCIN, XAVIER-PIERRE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2019-02-13
[41] 2020-05-28
[30] US (62/772,289) 2018-11-28

---

[21] **3,035,387**
[13] A1
[51] **Int.Cl. G06K 9/80 (2006.01) G06N 3/02 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **DIGITIZATION OF INDUSTRIAL INSPECTION SHEETS BY INFERRING VISUAL RELATIONS**
[54] **NUMERISATION DES FICHES D`INSPECTION INDUSTRIELLE PAR DEDUCTION DES RELATIONS VISUELLES**
[72] RAHUL, ROHIT, IN
[72] CHOWDHURY, ARINDAM, IN
[72] VIG, LOVEKESH, IN
[72] MITTAL, SAMARTH, IN
[72] ANIMESH, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2019-02-28
[41] 2020-05-28
[30] IN (201821044939) 2018-11-28

---

[21] **3,038,308**
[13] A1
[51] **Int.Cl. E05B 27/00 (2006.01) E05B 15/14 (2006.01)**
[25] EN
[54] **WEATHER RESISTANT TUMBLER LOCK AND SYSTEM**
[54] **SERRURE A BARILLET RESISTANT AUX INTEMPERIES, ET SYSTEME**
[72] MCLEOD, JOHN, CA
[72] SABELLI, TONINO, CA
[71] 2603701 ONTARIO INC., CA
[22] 2019-03-28
[41] 2020-05-26
[30] US (16/199,737) 2018-11-26

---

[21] **3,041,543**
[13] A1
[51] **Int.Cl. A24F 9/14 (2006.01)**
[25] EN
[54] **SMOKING PRODUCT SUPPORT STRUCTURE**
[54] **STRUCTURE DE SOUTIEN AUX PRODUITS DU TABAC**
[72] RICHARDSON, STEVEN ELLIS, US
[71] RICHARDSON, STEVEN ELLIS, US
[22] 2019-04-26
[41] 2020-05-27
[30] US (16201846) 2018-11-27

---

[21] **3,044,461**
[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATING INFORMATION EXTRACTION FROM PIPING AND INSTRUMENTATION DIAGRAMS**
[54] **SYSTEMES ET METHODES POUR AUTOMATISER L`EXTRACTION D`INFORMATIONS A PARTIR DES SCHEMAS DE TUYAUTERIE ET D`INSTRUMENTATION**
[72] SHARMA, MONIKA, IN
[72] RAHUL, ROHIT, IN
[72] VIG, LOVEKESH, IN
[72] PALIWAL, SHUBHAM, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2019-05-28
[41] 2020-05-30
[30] IN (201821045399) 2018-11-30

---

[21] **3,046,901**
[13] A1
[51] **Int.Cl. A01G 27/04 (2006.01)**
[25] EN
[54] **MASS PRODUCTION METHOD OF HEMP SPROUTS**
[54] **METHODE DE PRODUCTION DE MASSE DES POUSSES DE CHANVRE**
[72] MOON, YOUN-HO, KR
[72] KIM, KWANG-SOO, KR
[72] CHA, YOUNG-LOK, KR
[72] LEE, JI-EUN, KR
[72] KWON, DA-EUN, KR
[72] KANG, YONG KU, KR
[71] REPUBLIC OF KOREA(MANAGEMENT : RURAL DEVELOPMENT ADMINISTRATION), KR
[22] 2019-06-18
[41] 2020-05-30
[30] KR (10-2018-0152828) 2018-11-30

[21] **3,047,274**
[13] A1
[51] **Int.Cl. B61L 23/34 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING LOCATION OF OTHER TRAINS FOR PCT PURPOSES**
[54] **METHODE POUR DETERMINER L`EMPLACEMENT D`AUTRES TRAINS A DES FINS DE COMMANDE INTEGRALE DES TRAINS**
[72] ABROSIMOV, IGOR, US
[72] MCGEE, DANIEL, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2019-06-19
[41] 2020-05-30
[30] US (16/206,349) 2018-11-30

[21] **3,047,789**
[13] A1
[51] **Int.Cl. B25D 1/12 (2006.01) B25D 1/02 (2006.01)**
[25] EN
[54] **HAMMER HEAD WITH INTERFERENCE FIT**
[54] **TETE DE MARTEAU AVEC AJUSTEMENT SERRE**
[72] BENDORF, SCOTT A., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-06-21
[41] 2020-05-29
[30] US (16/204,395) 2018-11-29

[21] **3,048,099**
[13] A1
[51] **Int.Cl. B25B 7/14 (2006.01) B25B 7/04 (2006.01)**
[25] EN
[54] **PUSH BUTTON PIN FOR PLIERS**
[54] **GOUPILLE DE BOUTON-POUSSOIR POUR PINCES**
[72] DAHLKE, SCOTT G., US
[72] DIEDERICH, KEVIN R., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-06-26
[41] 2020-05-30
[30] US (16/205,379) 2018-11-30

[21] **3,049,405**
[13] A1
[51] **Int.Cl. B61L 25/06 (2006.01) B61L 25/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO IMPROVE UNMONITORED SWITCH POSITION REPORTING**
[54] **METHODE ET DISPOSITIF POUR AMELIORER LE SIGNALEMENT DE LA POSITION DES INTERRUPTEURS NON SURVEILLES**
[72] KERNWEIN, JEFFREY D., US
[72] GREEN, CRAIG KARL, US
[72] CHAPMAN, JERRID D., US
[72] VENKATASUBRAMANIAN, SATHYA VAGHEESWAR, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2019-07-10
[41] 2020-05-30
[30] US (16/206,558) 2018-11-30

[21] **3,051,771**
[13] A1
[51] **Int.Cl. B63H 21/12 (2006.01) B63H 21/17 (2006.01) B63H 21/38 (2006.01) B63J 2/12 (2006.01)**
[25] EN
[54] **A SHIP LIQUID AIR/PENUMATIC POWER SYSTEM**
[54] **SYSTEME D`ALIMENTATION EN AIR LIQUIDE ET PNEUMATIQUE D`UN NAVIRE**
[72] ANTROBUS, CRAIG, CA
[71] ANTROBUS, CRAIG, CA
[22] 2019-08-12
[41] 2020-05-28

[21] **3,053,373**
[13] A1
[51] **Int.Cl. F23R 3/00 (2006.01)**
[25] EN
[54] **INTERFACE FOR DOUBLE-SKIN COMBUSTOR LINER**
[54] **INTERFACE POUR LE REVETEMENT D`UNE CHAMBRE DE COMBUSTION A DOUBLE PAROI**
[72] HU, TIN-CHEUNG JOHN, CA
[72] SZE, ROBERT, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-27
[41] 2020-05-30
[30] US (16/205,933) 2018-11-30

[21] **3,055,543**
[13] A1
[51] **Int.Cl. H05B 6/10 (2006.01) H05B 6/36 (2006.01)**
[25] EN
[54] **HEATING CIRCUIT LAYOUT FOR SMART SUSCEPTOR INDUCTION HEATING APPARATUS**
[54] **DISPOSITION DU CIRCUIT DE CHAUFFAGE POUR APPAREIL DE CHAUFFAGE PAR INDUCTION A SUSCEPTEUR INTELLIGENT**
[72] VOSS, BRET A., US
[72] MATSEN, MARC R., US
[72] OLBERG, JEFFREY H., US
[72] SPALDING, JOHN F., US
[72] JONES, JAMES R., US
[71] THE BOEING COMPANY, US
[22] 2019-09-16
[41] 2020-05-27
[30] US (16/201490) 2018-11-27
[30] US (16/201553) 2018-11-27
[30] US (16/201612) 2018-11-27

[21] **3,055,980**
[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01) G05D 1/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPTIMIZING A CRUISE VERTICAL PROFILE SUBJECT TO A TIME-OF-ARRIVAL CONSTRAINT**
[54] **SYSTEME ET METHODE POUR OPTIMISER UN PROFIL VERTICAL DE CROISIERE SOUMIS A UNE CONTRAINTE DE TEMPS D`ARRIVEE**
[72] DE PRINS, JOHAN L., US
[72] FIGLAR, BASTIAN, US
[72] GARRIDO-LOPEZ, DAVID, US
[72] SCHARL, JULIEN, US
[72] YOCHUM, THOMAS E., US
[71] THE BOEING COMPANY, US
[22] 2019-09-19
[41] 2020-05-28
[30] US (16/202431) 2018-11-28

[21] **3,056,624**
[13] A1
[51] **Int.Cl. H02M 5/42 (2006.01)**
[25] EN
[54] **AC POWER TRANSFER OVER SELF-PASSIVATING CONNECTORS**
[54] **TRANSFERT DE PUISSANCE EN COURANT ALTERNATIF SUR DES CONNECTEURS AUTO-PASSIVANTS**
[72] WINDGASSEN, JAMES R., US
[72] HACK, HARVEY P., US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[22] 2019-09-24
[41] 2020-05-26
[30] US (16/200,147) 2018-11-26

[21] **3,056,986**
[13] A1
[51] **Int.Cl. F16J 15/54 (2006.01) F02C 7/28 (2006.01)**
[25] EN
[54] **CIRCUMFERENTIAL ARCHBOUND CARBON SEAL ON CERAMIC RUNNER**
[54] **JOINT D`ETANCHEITE EN CARBONE A ARCHE CIRCONFERENTIELLE SUR PATIN EN CERAMIQUE**
[72] FADGEN, DANIEL L., US
[72] MUNSON, JOHN, US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2019-09-27
[41] 2020-05-30
[30] US (16/205,943) 2018-11-30

[21] **3,057,276**
[13] A1
[51] **Int.Cl. B61L 27/04 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **ENFORCING RESTRICTED SPEED RULES UTILIZING TRACK DATA AND OTHER DATA SOURCES**
[54] **APPLICATION DES REGLES DE VITESSE RESTREINTE EN UTILISANT LES DONNEES RELATIVES AUX VOIES ET D`AUTRES SOURCES DE DONNEES**
[72] KERNWEIN, JEFFREY D., US
[72] STRUTTMANN, SHANNON, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2019-10-01
[41] 2020-05-30
[30] US (16/206,186) 2018-11-30

[21] **3,057,355**
[13] A1
[51] **Int.Cl. H02K 9/19 (2006.01) F01D 25/12 (2006.01) F02C 7/12 (2006.01) F02C 7/22 (2006.01) F02C 7/268 (2006.01) F02C 7/32 (2006.01)**
[25] EN
[54] **FUEL-COOLED BRUSHLESS MACHINE SYSTEM FOR GAS TURBINE ENGINE**
[54] **SYSTEME MACHINE SANS BALAIS REFROIDI PAR CARBURANT POUR TURBINE A GAZ**
[72] AL-KHAIRY, ISSAM, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-01
[41] 2020-05-29
[30] US (16/204,327) 2018-11-29

[21] **3,058,126**
[13] A1
[51] **Int.Cl. E03C 1/33 (2006.01) E03C 1/18 (2006.01) F16B 1/00 (2006.01) F16B 2/04 (2006.01)**
[25] EN
[54] **SINK MOUNTING CLAMP**
[54] **PINCE DE FIXATION POUR EVIER**
[72] WISNIEWSKI, COLIN, CA
[71] FRANKE KINDRED CANADA LIMITED, CA
[22] 2019-10-08
[41] 2020-05-30
[30] US (62/774086) 2018-11-30

[21] **3,058,131**
[13] A1
[51] **Int.Cl. F02C 7/24 (2006.01) F01D 25/30 (2006.01) F02K 1/78 (2006.01)**
[25] EN
[54] **EXHAUST CASING FOR A GAS TURBINE ENGINE**
[54] **BUSE D`ECHAPPEMENT POUR TURBINE A GAZ**
[72] FARAH, ASSAF, CA
[72] TARDIF, MARC, CA
[72] SUMMERS-LEPINE, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-08
[41] 2020-05-28
[30] US (16/202,788) 2018-11-28

[21] **3,058,211**
[13] A1
[51] **Int.Cl. G10L 25/51 (2013.01) G10L 15/26 (2006.01)**
[25] EN
[54] **INTERRUPTING RECEIPT OF SENSITIVE INFORMATION**
[54] **INTERRUPTION DE LA RECEPTION DE RENSEIGNEMENTS DE NATURE DELICATE**
[72] BARGE, RICHARD, US
[72] FAKHRAIE, LILA, US
[72] FLEMING, TAMMY C., US
[72] KALABOUKIS, CHRIS, US
[72] KUSHNER, KRISTINE ING, US
[72] MORTENSEN, LANE, US
[72] SHAHOIAN, KAREN L., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-10-10
[41] 2020-05-26
[30] US (16/199,930) 2018-11-26

[21] **3,058,665**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06F 3/01 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **FRAUDULENT REQUEST IDENTIFICATION FROM BEHAVIORAL DATA**
[54] **IDENTIFICATION DES DEMANDES FRAUDULEUSES A PARTIR DE DONNEES COMPORTEMENTALES**
[72] BELL, KEVIN, US
[72] BOESEL, KERRY, US
[72] FRASER, TYUA LARSEN, US
[72] HINRICHS, PATRICIA, US
[72] LYMAN, AMI WARREN, US
[72] PARKS, CHRISTINA ANN, US
[72] ROSENTHAL, MICHAEL, US
[72] SICORD, ANGELA, US
[72] SYKES, KEITH MEADE, US
[72] WATTS, STEVE, US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-10-11
[41] 2020-05-27
[30] US (16/201,152) 2018-11-27

---

[21] **3,058,749**
[13] A1
[51] **Int.Cl. A47K 11/00 (2006.01) B64D 11/02 (2006.01)**
[25] EN
[54] **LAVATORY OCCUPANCY DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE DETECTION D`OCCUPATION DES TOILETTES**
[72] ALVAREZ, CHRISTOPHER, US
[71] THE BOEING COMPANY, US
[22] 2019-10-15
[41] 2020-05-28
[30] US (16/202470) 2018-11-28

---

[21] **3,059,454**
[13] A1
[51] **Int.Cl. H04M 3/436 (2006.01) G10L 15/25 (2013.01) G10L 17/26 (2013.01) G10L 25/63 (2013.01) H04M 1/57 (2006.01) H04M 3/51 (2006.01) H04N 7/15 (2006.01)**
[25] EN
[54] **SYSTEMS FOR DETECTING HARASSING COMMUNICATION**
[54] **SYSTEMES DE DETECTION DES COMMUNICATIONS HARCELANTES**
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADER, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-18
[41] 2020-05-29
[30] US (16/204,477) 2018-11-29

---

[21] **3,059,487**
[13] A1
[51] **Int.Cl. G06Q 20/10 (2012.01) G16H 50/30 (2018.01) H04W 4/029 (2018.01) H04W 4/30 (2018.01) H04W 4/90 (2018.01) A61B 5/00 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **SYSTEMS FOR DETECTING BIOMETRIC RESPONSE TO ATTEMPTS AT COERCION**
[54] **SYSTEMES DE DETECTION DE LA REPONSE BIOMETRIQUE AUX TENTATIVES DE COERCITION**
[72] BERMUDEZ, SOPHIE, US
[72] COLEVAS, ALEXANDRA, US
[72] CUNNINGHAM, SARAH, US
[72] SAIA, MICHAEL, US
[72] GIBILTERRA, KAYLYN, US
[72] SHAH, SALIK, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-10-21
[41] 2020-05-26

---

[21] **3,059,764**
[13] A1
[51] **Int.Cl. G06K 9/80 (2006.01) G06F 16/24 (2019.01) G06N 3/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR INFORMATION EXTRACTION FROM DOCUMENT IMAGES USING CONVERSATIONAL INTERFACE AND DATABASE QUERYING**
[54] **PROCEDE ET SYSTEME D`EXTRACTION DE RENSEIGNEMENTS A PARTIR D`IMAGES DE DOCUMENTS A L`AIDE D`UNE INTERFACE CONVERSATIONNELLE ET D`UNE INTERROGATION DE BASE DE DONNEES**
[72] VIG, LOVEKESH, IN
[72] SHROFF, GAUTAM, IN
[72] CHOWDHURY, ARINDAM, IN
[72] RAHUL, ROHIT, IN
[72] SEHGAL, GUNJAN, IN
[72] DORESWAMY, VISHWANATH, IN
[72] SHARMA, MONIKA, IN
[72] SRINIVASAN, ASHWIN, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2019-10-23
[41] 2020-05-30
[30] IN (201821045427) 2018-11-30

---

[21] **3,059,950**
[13] A1
[51] **Int.Cl. F01D 25/24 (2006.01) F01D 9/02 (2006.01) F01D 25/26 (2006.01) F01D 25/28 (2006.01) F02C 7/20 (2006.01)**
[25] EN
[54] **INTER-COMPRESSOR FLOW DIVIDER PROFILING**
[54] **PROFILAGE DES DIVISEURS DE DEBIT INTER-COMPRESSEURS**
[72] NICHOLS, JASON, CA
[72] VEITCH, THOMAS, CA
[72] TOWNSEND, PETER, CA
[72] DUONG, HIEN, CA
[72] WATSON, GUIHERME, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-10-24
[41] 2020-05-27
[30] US (16/201,255) 2018-11-27

[21] **3,059,971**
[13] A1
[51] **Int.Cl. G06Q 50/16 (2012.01)**
[25] EN
[54] **REDEMPTION RATE DETERMINATION ENGINE**
[54] **MOTEUR DE DETERMINATION DU TAUX DE REMBOURSEMENT**
[72] HOLLERAN, JEFFREY, US
[72] BOWERMAN, ROBERT, CA
[72] KACIJA, MERGIM, US
[72] MONTICELLI, ANGEL LUIS, ES
[72] SCHWARTZ, PETER JOHN, CA
[71] KOGNITIV CORPORATION, CA
[22] 2019-10-24
[41] 2020-05-27
[30] US (16/201,712) 2018-11-27

---

[21] **3,059,974**
[13] A1
[51] **Int.Cl. H04W 4/14 (2009.01) G06F 40/166 (2020.01) G06F 3/048 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING DYNAMIC TEMPLATES**
[54] **SYSTEME ET METHODE POUR GENERER DES MODELES DYNAMIQUES**
[72] GRAJEWSKI, THOMAS JACOB MICHAEL, US
[72] LAPIC, JAMES, US
[72] DERLINE, CARL, US
[71] ZIPWHIP, INC., US
[22] 2019-10-24
[41] 2020-05-27
[30] US (16/201,682) 2018-11-27

---

[21] **3,060,191**
[13] A1
[51] **Int.Cl. H04W 24/04 (2009.01) H04W 28/24 (2009.01) H04W 40/00 (2009.01) H04B 17/309 (2015.01)**
[25] EN
[54] **UAV MODULAR REDUNDANT COMMUNICATIONS**
[54] **COMMUNICATIONS REDONDANTES MODULAIRES POUR UAV**
[72] MURPHY, SEAN PATRICK, US
[71] T-MOBILE USA, INC., US
[22] 2019-10-25
[41] 2020-05-30
[30] US (16/206770) 2018-11-30

---

[21] **3,060,511**
[13] A1
[51] **Int.Cl. E06C 5/00 (2006.01) B60R 9/042 (2006.01) B60R 11/06 (2006.01)**
[25] EN
[54] **VEHICLE RACK SYSTEM FOR STACKED LADDERS**
[54] **SYSTEME DE SUPPORT D`ECHELLES SUPERPOSEES POUR VEHICULE**
[72] HERRIMAN, ELIZABETH ELAINE, US
[72] HENRY, MARK ANTHONEY, JR., US
[71] ADRIAN STEEL COMPANY, US
[22] 2019-10-29
[41] 2020-05-30
[30] US (62/773,519) 2018-11-30
[30] US (16/665,680) 2019-10-28

---

[21] **3,060,610**
[13] A1
[51] **Int.Cl. A47C 31/00 (2006.01) H04W 84/18 (2009.01) H04B 10/114 (2013.01) A47C 7/72 (2006.01) A63B 22/08 (2006.01) A63B 24/00 (2006.01) H02J 1/00 (2006.01) H02J 4/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **APPARATUS IN THE FORM OF A SMART CHAIR**
[54] **APPAREIL SOUS LA FORME D`UNE CHAISE INTELLIGENTE**
[72] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[71] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[22] 2019-10-28
[41] 2020-05-27
[30] GB (GB1819328.4) 2018-11-27

---

[21] **3,060,624**
[13] A1
[51] **Int.Cl. A63B 43/00 (2006.01) H04W 4/38 (2018.01) A63B 26/00 (2006.01) A63B 41/00 (2006.01) G08B 7/06 (2006.01) G08C 17/02 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **APPARATUS WITH SENSORS THAT INSTALLS INSIDE A LARGE INFLATABLE BALL AND COMMUNICATES WITH OTHER DEVICES**
[54] **APPAREIL MUNI DE CAPTEURS QUI S`INSTALLE A L`INTERIEUR D`UN GRAND BALLON GONFLABLE ET COMMUNIQUE AVEC D`AUTRES DISPOSITIFS**
[72] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[71] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[22] 2019-10-28
[41] 2020-05-24
[30] GB (GB1819154.4) 2018-11-24

---

[21] **3,060,872**
[13] A1
[51] **Int.Cl. A47B 13/16 (2006.01) A47B 9/00 (2006.01) A47B 21/00 (2006.01) A47B 21/06 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT TABLETOP WITH CAVITIES THAT ACCEPTS A SMART DESK CONTROLLER**
[54] **PLATEAU DE TABLE LEGER AVEC DES CAVITES QUI ACCEPTE UN CONTROLEUR DE BUREAU INTELLIGENT**
[72] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[71] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[22] 2019-11-05
[41] 2020-05-26
[30] GB (1819225.2) 2018-11-26

[21] **3,060,881**
[13] A1
[51] **Int.Cl. A47B 9/00 (2006.01) A47B 13/00 (2006.01) A47B 21/00 (2006.01)**
[25] EN
[54] **MULTI POSITION DESK CONTROLLER WITH ADJUSTABLE TILTING KEYPAD**
[54] **CONTROLEUR DE BUREAU MULTIPOSITION AVEC CLAVIER A INCLINAISON REGLABLE**
[72] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[71] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[22] 2019-11-05
[41] 2020-05-24
[30] GB (GB1819150.2) 2018-11-24

---

[21] **3,060,906**
[13] A1
[51] **Int.Cl. A47B 9/00 (2006.01) A47B 13/00 (2006.01) A47B 21/00 (2006.01)**
[25] EN
[54] **APPARATUS THAT CONTROLS AN ADJUSTABLE HEIGHT DESK AND DETECTS A USER'S PRESENCE**
[54] **APPAREIL DE COMMANDE DE BUREAU A HAUTEUR REGLABLE ET DE DETECTION DE PRESENCE D`UN UTILISATEUR**
[72] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[71] DE LA FUENTE SANCHEZ, ALFONSO F., CA
[22] 2019-11-05
[41] 2020-05-30
[30] GB (GB1819636.0) 2018-11-30

---

[21] **3,060,908**
[13] A1
[51] **Int.Cl. E21B 36/00 (2006.01) E21B 43/24 (2006.01) H05B 6/00 (2006.01) H01P 3/00 (2006.01)**
[25] EN
[54] **NON-EQUIDISTANT OPEN TRANSMISSION LINES FOR ELECTROMAGNETIC HEATING AND METHOD OF USE**
[54] **LIGNES DE TRANSMISSION OUVERTES NON EQUIDISTANTES POUR LE CHAUFFAGE ELECTROMAGNETIQUE ET METHODE D`UTILISATION**
[72] OKONIEWSKI, MICHAL, CA
[72] PASALIC, DAMIR, CA
[72] VACA, PEDRO, CA
[71] ACCELEWARE LTD., CA
[22] 2019-11-04
[41] 2020-05-29
[30] US (62/772,821) 2018-11-29

---

[21] **3,061,041**
[13] A1
[51] **Int.Cl. G01M 17/00 (2006.01) G06N 20/00 (2019.01) B64D 47/00 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING AN AIRCRAFT FAULT PREDICTION CLASSIFIER**
[54] **SYSTEME ET METHODE POUR GENERER UN CLASSIFICATEUR DE PREDICTION DE DEFAILLANCES D`AERONEFS**
[72] SUNDARESWARA, RASHMI, US
[72] BETZ, FRANZ DAVID, US
[72] LU, TSAI-CHING, US
[71] THE BOEING COMPANY, US
[22] 2019-11-06
[41] 2020-05-27
[30] US (16/201953) 2018-11-27

---

[21] **3,061,061**
[13] A1
[51] **Int.Cl. C04B 28/14 (2006.01) B32B 13/00 (2006.01) C04B 22/00 (2006.01)**
[25] EN
[54] **GYPSUM BOARD AND GYPSUM SLURRY FORMED USING A PHOSPHORUS CONTAINING COMPOUND**
[54] **PANNEAU DE GYPSE ET BOUE DE GYPSE FORMEE A L`AIDE D`UN COMPOSE CONTENANT DU PHOSPHORE**
[72] IYER, R. G., US
[72] STAV, ELI, US
[72] MIATUDILA, MA-IKAY, US
[72] BAILEY, JOSEPH J., US
[71] NATIONAL GYPSUM PROPERTIES, LLC, US
[22] 2019-11-07
[41] 2020-05-28
[30] US (62/772,136) 2018-11-28

---

[21] **3,061,262**
[13] A1
[51] **Int.Cl. G01N 21/91 (2006.01)**
[25] EN
[54] **FLUORESCENT PENETRANT INSPECTION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D`INSPECTION PAR RESSUAGE AU LIQUIDE FLUORESCENT**
[72] BIAN, XIAO, US
[72] KARIGIANNIS, JOHN, CA
[72] HAREL, STEPHANE, CA
[72] BOUCHARD, STEEVES, CA
[72] BEAUDOIN POULIOT, MAXIME, CA
[72] GRADY, WAYNE, US
[72] DIWINSKY, DAVID SCOTT, US
[72] BEWLAY, BERNARD PATRICK, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-11-12
[41] 2020-05-27
[30] US (16/201,322) 2018-11-27

[21] **3,061,396**
[13] A1
[51] **Int.Cl. A61M 39/12 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **TACTILE FEATURES TO GUIDE USER INTERACTION WITH FLUID CONNECTOR**
[54] **CARACTERISTIQUES TACTILES POUR GUIDER L`INTERACTION DE L`UTILISATEUR AVEC LE CONNECTEUR POUR FLUIDE**
[72] TURNER, RACHEL, US
[72] POLITIS, VICTOR ISAAC, US
[72] CHAVES, ALEX, US
[72] SIEWIOREK, GAIL MARIE, US
[72] BENE, ERIC, US
[72] KISS, ATTILA, US
[72] KOHNEN, MEGAN, US
[72] BURNS, LAURIE, US
[72] HUNTER, GAIL, US
[72] RYAN, MAX, US
[72] HUNTER, MARC, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2019-11-12
[41] 2020-05-30
[30] US (62/773,662) 2018-11-30

[21] **3,061,587**
[13] A1
[51] **Int.Cl. E01D 15/127 (2006.01)**
[25] EN
[54] **ADAPTER FOR THE BOOM OF A VEHICLE FOR PICKING UP, TRANSPORTING AND LAYING A BRIDGE OR BRIDGE ELEMENT**
[54] **ADAPTATEUR POUR FLECHE DE VEHICULE POUR LE RAMASSAGE, LE TRANSPORT ET LA POSE D`UN PONT OU D`UN ELEMENT DE PONT**
[72] KAMPER, JORG, DE
[72] MOLLER, MICHAEL, DE
[71] FFG FLENSBURGER FAHRZEUGBAU GESELLSCHAFT MBH, DE
[22] 2019-11-14
[41] 2020-05-29
[30] DE (10 2018 130 235.5) 2018-11-29

[21] **3,061,658**
[13] A1
[51] **Int.Cl. F16L 59/153 (2006.01) F16L 59/08 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **INSULATED FLEXIBLE DUCT USING COMPRESSIBLE CORE SPACER AND METHOD OF USE**
[54] **CONDUIT FLEXIBLE ISOLE UTILISANT UNE ENTRETOISE A NOYAU COMPRESSIBLE ET METHODE D`UTILISATION**
[72] CAMPBELL, DONALD B., US
[72] CARLAY, RONALD L., II, US
[71] FLEXIBLE TECHNOLOGIES, INC., US
[22] 2019-11-14
[41] 2020-05-27
[30] US (16/201,066) 2018-11-27

[21] **3,061,776**
[13] A1
[51] **Int.Cl. G09C 1/10 (2006.01) G06F 21/62 (2013.01)**
[25] EN
[54] **KEY INFORMATION PROCESSING METHOD AND APPARATUS, ELECTRONIC DEVICE AND COMPUTER READABLE MEDIUM**
[54] **METHODE ET APPAREIL DE TRAITEMENT DES RENSEIGNEMENTS CLES, DISPOSITIF ELECTRONIQUE ET SUPPORT LISIBLE PAR UN ORDINATEUR**
[72] LI, JIANYI, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-11-15
[41] 2020-05-29
[30] CN (201811442419.7) 2018-11-29

[21] **3,061,777**
[13] A1
[51] **Int.Cl. B64C 39/02 (2006.01)**
[25] EN
[54] **TRAFFIC STOP DRONE**
[54] **DRONE DE CONTROLE ROUTIER**
[72] CHUNDI, VENKATA RAMA SUBBA RAO, US
[71] CHUNDI, VENKATA RAMA SUBBA RAO, US
[22] 2019-11-14
[41] 2020-05-28
[30] US (62/772,491) 2018-11-28

[21] **3,061,799**
[13] A1
[51] **Int.Cl. B22F 9/08 (2006.01)**
[25] EN
[54] **METAL POWDER PRODUCTION APPARATUS**
[54] **APPAREIL DE PRODUCTION DE POUDRE METALLIQUE**
[72] SHIBAYAMA, TAKASHI, JP
[72] EGUCHI, SHIGENOBU, JP
[72] IMANO, SHINYA, JP
[71] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
[22] 2019-11-15
[41] 2020-05-29
[30] JP (2018-223420) 2018-11-29

[21] **3,061,956**
[13] A1
[51] **Int.Cl. A61F 2/42 (2006.01) A61B 17/90 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **DEVICE FOR ASSISTING IN THE PLACEMENT OF A TRAPEZIOMETACARPAL PROSTHESIS**
[54] **DISPOSITIF D`AIDE A LA MISE EN PLACE D`UNE PROTHESE TRAPEZO-METACARPIENNE**
[72] PRANDI, BERNARD, CH
[72] ALTHEER, CHRISTIAN, CH
[72] MOTTET, JULIE, FR
[72] MAURICE, ERIC, FR
[72] DUERINCKX, JORIS, BE
[71] KERI MEDICAL SA, CH
[22] 2019-11-18
[41] 2020-05-27
[30] EP (18208586.0) 2018-11-27

[21] **3,061,998**
[13] A1
[51] **Int.Cl. A47G 29/02 (2006.01) A47B 96/06 (2006.01)**
[25] EN
[54] **RAIL PROFILE WITH ATTACHMENT MECHANISM AND RELATED METHODS**
[54] **PROFIL DE RAIL AVEC MECANISME DE FIXATION ET METHODES CONNEXES**
[72] SCHLUTER, WERNER, DE
[71] SCHLUTER SYSTEMS (CANADA), INC., CA
[22] 2019-11-18
[41] 2020-05-26
[30] DE (20 2018 106 711.7) 2018-11-26

[21] **3,062,051**
[13] A1
[51] **Int.Cl. G01N 21/91 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **FLUORESCENT PENETRANT INSPECTION SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE D`INSPECTION PAR RESSUAGE AU LIQUIDE FLUORESCENT**
[72] BIAN, XIAO, US
[72] DIWINSKY, DAVID SCOTT, US
[72] BEWLAY, BERNARD, US
[72] BOUCHARD, STEEVES, CA
[72] CANTIN, DAVID, CA
[72] HAREL, STEPHANE, CA
[72] KARIGIANNIS, JOHN, CA
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-11-20
[41] 2020-05-27
[30] US (16/201,480) 2018-11-27

[21] **3,062,076**
[13] A1
[51] **Int.Cl. F01D 21/00 (2006.01) B64D 31/00 (2006.01) F02C 9/46 (2006.01)**
[25] FR
[54] **PROCESS AND SYSTEM FOR GAS TURBINE AND VEHICLE SHUTDOWN**
[54] **PROCEDE ET SYSTEME POUR ARRETER UNE TURBINE A GAZ ET VEHICULE**
[72] MARIOTTO, DAMIEN, FR
[72] CERQUEIRA, STEPHANE, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2019-11-19
[41] 2020-05-30
[30] FR (1872143) 2018-11-30

[21] **3,062,195**
[13] A1
[51] **Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TOMATO HYBRID DRTH5013 AND PARENTS THEREOF**
[54] **TOMATE HYBRIDE DRTH5013 ET PARENTS**
[72] BOSCH, BERNARDUS VAN DEN, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2019-11-21
[41] 2020-05-29
[30] US (62/772,895) 2018-11-29

[21] **3,062,211**
[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **DYNAMIC VERIFICATION METHOD AND SYSTEM FOR CARD TRANSACTIONS**
[54] **METHODE ET SYSTEME DE VERIFICATION DYNAMIQUE DES TRANSACTIONS PAR CARTE**
[72] MURALIDHARAN, PRASANNAA VENKATESA, GB
[72] THIAGARAJA, SHANMUHANATHAN, GB
[71] MIR LIMITED, GB
[22] 2019-11-21
[41] 2020-05-26
[30] US (62/771,205) 2018-11-26

[21] **3,062,228**
[13] A1
[51] **Int.Cl. B01F 13/06 (2006.01) B01F 15/02 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SLURRY INJECTION SYSTEM AND METHOD FOR OPERATING THE SAME**
[54] **SYSTEME D`INJECTION DANS LES BOUES ET PROCEDE POUR SON FONCTIONNEMENT**
[72] OKLEJAS, ELI, JR., US
[71] VECTOR TECHNOLOGIES, LLC, US
[22] 2019-11-21
[41] 2020-05-26
[30] US (16/199,675) 2018-11-26
[30] US (16/662,947) 2019-10-24

[21] **3,062,237**
[13] A1
[51] **Int.Cl. H04N 5/345 (2011.01)**
[25] EN
[54] **METHOD FOR READING AN IMAGE SENSOR**
[54] **METHODE DE LECTURE D`UN CAPTEUR D`IMAGES**
[72] WALKNER, WALTER, AT
[72] BEINHUNDNER, GERHARD, AT
[72] WALDL, ANDREAS, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2019-11-21
[41] 2020-05-27
[30] EP (18208542.3) 2018-11-27

[21] **3,062,239**
[13] A1
[51] **Int.Cl. B61B 13/12 (2006.01) B60L 13/03 (2006.01) B60L 15/00 (2006.01) B60L 15/38 (2006.01) B61B 13/08 (2006.01) B65G 54/02 (2006.01) H02K 41/02 (2006.01) H02P 25/06 (2016.01)**
[25] EN
[54] **TRANSPORT DEVICE IN THE FORM OF A LONG-STATOR LINEAR MOTOR**
[54] **DISPOSITIF DE TRANSPORT SOUS LA FORME D`UN MOTEUR LINEAIRE A STATOR LONG**
[72] WEBER, ANDREAS, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2019-11-21
[41] 2020-05-27
[30] EP (18208683.5) 2018-11-27

[21] **3,062,313**
[13] A1
[51] **Int.Cl. G01K 17/00 (2006.01) B22D 11/049 (2006.01) B22D 11/055 (2006.01) B22D 11/22 (2006.01) G01K 7/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OBTAINING AN INDICATION OF COOLING RATE**
[54] **METHODE ET SYSTEME POUR OBTENIR UNE INDICATION DE LA VITESSE DE REFROIDISSEMENT**
[72] LAROUCHE, ANDRE, CA
[72] GENDRON, ANDRE, CA
[72] PINEAULT, SYLVAIN, CA
[71] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[22] 2019-11-20
[41] 2020-05-29
[30] US (62/772,714) 2018-11-29

[21] **3,062,346**
[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) H04L 12/22 (2006.01)**
[25] EN
[54] **SERVICE INFRASTRUCTURE AND METHODS OF PREDICTING AND DETECTING POTENTIAL ANOMALIES AT THE SERVICE INFRASTRUCTURE**
[54] **INFRASTRUCTURE DE SERVICES ET METHODES DE PREVISION ET DE DETECTION DES ANOMALIES POTENTIELLES AU NIVEAU DE L`INFRASTRUCTURE DE SERVICES**
[72] NICOL, OLIVIER, FR
[71] OVH, FR
[22] 2019-11-22
[41] 2020-05-30
[30] EP (18315048.1) 2018-11-30

[21] **3,062,349**
[13] A1
[51] **Int.Cl. B29C 64/386 (2017.01) B29C 64/393 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ERROR REDUCTION IN MATERIALS CASTING**
[54] **SYSTEMES ET METHODES POUR REDUCTION DES ERREURS DANS LA COULEE DES MATERIAUX**
[72] TANNINEN, PETRI JUHANI, CA
[72] SHAL ZOGHI, HAMED, CA
[72] STEEVES, PATRICK, CA
[72] HOOPER, CHARLES, CA
[72] DLUBAK, ANNA, CA
[71] ELEMENT AI INC., CA
[22] 2019-11-22
[41] 2020-05-28
[30] US (62/772,312) 2018-11-28

[21] **3,062,355**
[13] A1
[51] **Int.Cl. A61K 36/03 (2006.01) A61K 9/00 (2006.01) A61L 2/18 (2006.01) A61P 41/00 (2006.01)**
[25] EN
[54] **BIOINERT BODY**
[54] **ORGANISME BIO-INERTE**
[72] HAAS, ANDREAS, DE
[71] KASPERK, CHRISTIAN, DE
[71] HAAS, ANDREAS, DE
[22] 2019-11-22
[41] 2020-05-28
[30] DE (10 2018 130 153.7) 2018-11-28

[21] **3,062,361**
[13] A1
[51] **Int.Cl. B64C 29/00 (2006.01) B64C 15/12 (2006.01) B64C 27/26 (2006.01) B64C 27/28 (2006.01)**
[25] EN
[54] **AERIAL VEHICLE WITH ENHANCED PITCH CONTROL AND INTERCHANGEABLE COMPONENTS**
[54] **VEHICULE AERIEN A COMMANDE DE PAS AMELIOREE ET COMPOSANTS INTERCHANGEABLES**
[72] GEORGE, DALE ARTHUR, CA
[71] SKY CANOE INC., CA
[22] 2019-11-21
[41] 2020-05-30
[30] US (62/773,513) 2018-11-30
[30] US (16/686,839) 2019-11-18

[21] **3,062,368**
[13] A1
[51] **Int.Cl. G21F 9/08 (2006.01) B01D 1/00 (2006.01) C01B 5/02 (2006.01) G01F 23/02 (2006.01) G01N 9/10 (2006.01) G01T 1/167 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING RADIOACTIVE WASTE COCKTAILS**
[54] **METHODE DE TRAITEMENT DES COCKTAILS DE DECHETS RADIOACTIFS**
[72] LEE, SE-YUP, KR
[71] KOREA NUCLEAR ENGINEERING CO., LTD., KR
[22] 2019-11-22
[41] 2020-05-27
[30] KR (10-2018-0148725) 2018-11-27

[21] **3,062,374**
[13] A1
[51] **Int.Cl. E06B 9/42 (2006.01) E06B 9/56 (2006.01) E06B 9/68 (2006.01)**
[25] EN
[54] **IMPROVED POWER ASSIST MODULE FOR COVERINGS FOR ARCHITECTURAL STRUCTURES AND RELATED DRIVE PLUG ASSEMBLIES**
[54] **MODULE D`ASSISTANCE ELECTRIQUE AMELIORE POUR REVETEMENTS DE STRUCTURES ARCHITECTURALES ET ENSEMBLES DE PRISES D`ENTRAINEMENT CONNEXES**
[72] BUCCOLA, NICK C., US
[72] VU, THANH N., US
[72] GOLDBERG, MICHAEL S., US
[71] HUNTER DOUGLAS INC., US
[22] 2019-11-22
[41] 2020-05-27
[30] US (62/771,669) 2018-11-27

[21] **3,062,378**
[13] A1
[51] **Int.Cl. B06B 3/00 (2006.01) B23K 20/10 (2006.01)**
[25] EN
[54] **SONOTRODE**
[54] **SONOTRODE**
[72] KELLER, FABIAN, DE
[72] KRELL, VOLKER, DE
[71] MS ULTRASCHALL TECHNOLOGIE GMBH, DE
[22] 2019-11-22
[41] 2020-05-27
[30] DE (102018129912.5) 2018-11-27

[21] **3,062,466**
[13] A1
[51] **Int.Cl. G01S 17/95 (2006.01) F03D 7/00 (2006.01)**
[25] FR
[54] **ACQUISITION AND MODELLING PROCESS VIA LIDAR SENSOR OF RESULTING SURFACE WIND FIELD**
[54] **PROCEDE D'ACQUISITION ET MODELISATION PAR UN CAPTEUR LIDAR D'UN CHAMP DE VENT INCIDENT**
[72] GUILLEMIN, FABRICE, FR
[72] NGUYEN, HOAI-NAM, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2019-11-21
[41] 2020-05-26
[30] FR (18/71.844) 2018-11-26

[21] **3,062,491**
[13] A1
[51] **Int.Cl. A01M 1/14 (2006.01)**
[25] EN
[54] **ADHESIVE BARRIER FOR CRAWLING INSECTS**
[54] **BARRIERE ADHESIVE POUR LES INSECTES RAMPANTS**
[72] SANFORD, RANDALL, CA
[71] GARDEN HUNTER SOLUTIONS INC., CA
[22] 2019-11-25
[41] 2020-05-26
[30] US (62/771,541) 2018-11-26

[21] **3,062,493**
[13] A1
[51] **Int.Cl. G06F 21/00 (2013.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **IDENTITY GRAY LIST**
[54] **LISTE GRISE D`IDENTITES**
[72] NEWMAN, KAITLIN J., US
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADER M., US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-11-25
[41] 2020-05-28
[30] US (16/202,948) 2018-11-28
[30] US (16/683,740) 2019-11-14

[21] **3,062,497**
[13] A1
[51] **Int.Cl. G01V 1/50 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL FRACTURE RADIUS MODEL**
[54] **MODELE TRIDIMENSIONNEL DU RAYON D`UNE FRACTURE**
[72] KATZ, DAVID, US
[72] CAZENEUVE, EDUARDO ADRIAN, US
[72] SABAA, KARIM, US
[72] KOSCHEEV, GENNADY, US
[72] STOLYAROV, SERGEY, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[22] 2019-11-25
[41] 2020-05-27
[30] US (62/771969) 2018-11-27

[21] **3,062,503**
[13] A1
[51] **Int.Cl. B64F 5/60 (2017.01) F02C 7/00 (2006.01) G01M 15/00 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **SELF-GENERATING ENGINE-SPECIFIC HEALTH MONITORING MODEL FROM GENERIC MODEL BASE**
[54] **MODELE DE SURVEILLANCE DE LA SANTE PROPRE A CHAQUE MOTEUR A PARTIR D`UN MODELE GENERIQUE**
[72] MOECKLY, KEVIN, US
[72] GILL, CHRISTOPHER, US
[72] LING, RICHARD, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2019-11-25
[41] 2020-05-28
[30] US (16/202142) 2018-11-28

[21] **3,062,531**
[13] A1
[51] **Int.Cl. G01J 5/58 (2006.01)**
[25] EN
[54] **DETECTEUR THERMIQUE A MEMBRANE SUSPENDUE COMPORTANT UNE PARTIE DEFORMABLE DE COURT-CIRCUIT THERMIQUE**
[54] **DETECTEUR THERMIQUE A MEMBRANE SUSPENDUE COMPORTANT UNE PARTIE DEFORMABLE DE COURT-CIRCUIT THERMIQUE**
[72] ALIANE, ABDELKADER, FR
[72] OUVRIER-BUFFET, JEAN-LOUIS, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[22] 2019-11-22
[41] 2020-05-30
[30] FR (1872140) 2018-11-30

[21] **3,062,565**
[13] A1
[51] **Int.Cl. G08B 13/196 (2006.01) G08B 13/24 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **PERIPHERAL VIDEO PRESENCE DETECTION**
[54] **DETECTION DE PRESENCE VISUELLE PERIPHERIQUE**
[72] GLADISH, JACOB, US
[72] SWOYER, KAREN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-11-25
[41] 2020-05-30
[30] US (16/205,574) 2018-11-30

[21] **3,062,643**
[13] A1
[51] **Int.Cl. G08B 21/10 (2006.01) G08B 17/00 (2006.01) G08B 25/00 (2006.01)**
[25] EN
[54] **INTEGRATED FIRE AND EMERGENCY MANAGEMENT SYSTEM**
[54] **SYSTEME INTEGRE DE GESTION DES INCENDIES ET DES URGENCES**
[72] LAFRANCE, PATRICK, CA
[71] LAFRANCE, PATRICK, CA
[22] 2019-11-26
[41] 2020-05-26
[30] GB (1819222.9) 2018-11-26

[21] **3,062,644**
[13] A1
[51] **Int.Cl. A63F 9/04 (2006.01)**
[25] EN
[54] **DEVICE FOR ROLLING AND DISPLAYING DICES**
[54] **DISPOSITIF POUR LANCER ET AFFICHER DES DES**
[72] BRICAULT, MICHAEL, CA
[71] BRICAULT, MICHAEL, CA
[22] 2019-11-26
[41] 2020-05-28
[30] US (62/772,143) 2018-11-28

---

[21] **3,062,647**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01)**
[25] EN
[54] **COCKPIT PEDESTAL AND AIRCRAFT WITH A COCKPIT PEDESTAL**
[54] **POSTE DE PILOTAGE ET AERONEF AVEC POSTE DE PILOTAGE**
[72] HARTNER, ANGELA, CA
[72] CHIRIAC, HORATIU DANIEL, CA
[72] ELSHARKAWI, MOHAMMED HASSAN, CA
[71] BOMBARDIER INC., CA
[22] 2019-11-26
[41] 2020-05-27
[30] US (62771819) 2018-11-27

---

[21] **3,062,670**
[13] A1
[51] **Int.Cl. F23N 1/02 (2006.01) F23L 3/00 (2006.01) F23N 3/06 (2006.01) F23N 5/00 (2006.01)**
[25] EN
[54] **DEVICE FOR CONTROLLING A MIXTURE IN A PREMIX BURNER**
[54] **DISPOSITIF DE COMMANDE D`UN MELANGE DANS UN BRULEUR A PREMELANGE**
[72] BERTELLI, PIERLUIGI, IT
[71] BERTELLI & PARTNERS S.R.L., IT
[22] 2019-11-26
[41] 2020-05-30
[30] IT (102018000010736) 2018-11-30

---

[21] **3,062,671**
[13] A1
[51] **Int.Cl. F25B 45/00 (2006.01) B65D 83/28 (2006.01) B67C 9/00 (2006.01)**
[25] EN
[54] **MINIMAL WASTE REFRIGERANT DELIVERY DEVICE**
[54] **DISPOSITIF D`ALIMENTATION EN REFRIGERANT A PERTE MINIMALE**
[72] BREWER, FLOYD EUGENE, II, US
[71] THERMOFLUID TECHNOLOGIES, INC., US
[22] 2019-11-25
[41] 2020-05-29
[30] US (62/772,832) 2018-11-29

---

[21] **3,062,683**
[13] A1
[51] **Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TOMATO HYBRID DRTH1008 AND PARENTS THEREOF**
[54] **TOMATE HYBRIDE DRTH1008 ET PARENTS**
[72] VAN DEN BOSCH, BERNARDUS, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2019-11-26
[41] 2020-05-29
[30] US (62/772,903) 2018-11-29
[30] US (16/590,327) 2019-10-01

---

[21] **3,062,685**
[13] A1
[51] **Int.Cl. A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TOMATO HYBRID DRTH1011 AND PARENTS THEREOF**
[54] **TOMATE HYBRIDE DRTH1011 ET PARENTS**
[72] VAN DEN BOSCH, BERNARDUS, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2019-11-26
[41] 2020-05-29
[30] US (62/772,883) 2018-11-29
[30] US (16/593,289) 2019-10-04

---

[21] **3,062,693**
[13] A1
[51] **Int.Cl. C08K 5/5357 (2006.01) C08K 5/521 (2006.01) C08L 75/04 (2006.01) C09K 21/12 (2006.01)**
[25] EN
[54] **PREPARATIONS HAVING IMPROVED EFFICACY AS FLAME RETARDANTS**
[54] **PREPARATIONS AYANT UNE EFFICACITE AMELIOREE COMME PRODUITS IGNIFUGES**
[72] HANSEL, JAN-GERD, DE
[72] TEBBE, HEIKO, DE
[71] LANXESS DEUTSCHLAND GMBH, DE
[22] 2019-11-25
[41] 2020-05-28
[30] EP (18208789.0) 2018-11-28

[21] **3,062,771**
[13] A1
[51] **Int.Cl. H04L 12/751 (2013.01) H04L 12/703 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONFIGURING VIRTUAL NETWORKS**
[54] **SYSTEMES ET METHODES DE CONFIGURATION DE RESEAUX VIRTUELS**
[72] TRIVINO, GAETAN, FR
[72] DENECHAUD, JEREMIE, FR
[71] OVH, FR
[22] 2019-11-27
[41] 2020-05-29
[30] EP (18315045.7) 2018-11-29

---

[21] **3,062,772**
[13] A1
[51] **Int.Cl. H05K 7/18 (2006.01) H05K 7/10 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **RACK ADAPTED FOR RECEIVING A COMPONENT AND SYSTEM INCLUDING THE RACK AND THE COMPONENT**
[54] **BATI CONCU POUR RECEVOIR UN COMPOSANT ET SYSTEME COMPRENANT LE BATI ET LE COMPOSANT**
[72] THIBAUT, CHRISTOPHE MAURICE, FR
[72] ZAHM, ETIENNE, FR
[72] KLABA, HENRYK, FR
[72] BONENFANT, JULES HERMANN, FR
[71] OVH, FR
[22] 2019-11-27
[41] 2020-05-30
[30] EP (18315047.3) 2018-11-30

---

[21] **3,062,799**
[13] A1
[51] **Int.Cl. E21B 37/02 (2006.01) F04B 47/12 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR SCRAPING**
[54] **APPAREILS ET PROCEDES DE RACLAGE**
[72] BOYD, GARRETT S., US
[72] BOYD, MITCHELL A., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[22] 2019-11-26
[41] 2020-05-30
[30] US (62/876,155) 2019-07-19
[30] US (62/773,749) 2018-11-30

---

[21] **3,062,805**
[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01) G06F 16/27 (2019.01) G06Q 50/00 (2012.01) H04L 12/16 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL DATA AGGREGATION SYSTEM AND METHOD FOR COMMUNICATING ANIMAL BREED, MEDICAL, AND PROFILE INFORMATION AMONG REMOTE USER NETWORKS**
[54] **SYSTEME ET PROCEDE D`AGREGATION DE DONNEES MULTIVOIES POUR COMMUNIQUER DES RENSEIGNEMENTS SUR LA RACE, DES RENSEIGNEMENTS MEDICAUX ET LE PROFIL DE L`ANIMAL ENTRE DES RESEAUX-UTILISATEURS DISTANTS**
[72] GELFAND, MATT, US
[71] TAILTRAX, LLC, US
[22] 2019-11-27
[41] 2020-05-30
[30] US (62/773,437) 2018-11-30
[30] US (62/773,441) 2018-11-30
[30] US (62/773,442) 2018-11-30
[30] US (62/773,444) 2018-11-30

---

[21] **3,062,847**
[13] A1
[51] **Int.Cl. B65D 25/20 (2006.01)**
[25] EN
[54] **PRODUCT DISPLAY PACKAGE**
[54] **ENSEMBLE DE PRESENTATION DE PRODUITS**
[72] WITTENBERG, WILLIAM, US
[72] MCLEOD, MICHAEL B., US
[72] PRATSCH, JEFFREY P., US
[71] WESTROCK CONTAINER, LLC, US
[22] 2019-11-27
[41] 2020-05-29
[30] US (62/772904) 2018-11-29

---

[21] **3,062,849**
[13] A1
[51] **Int.Cl. B64C 1/24 (2006.01)**
[25] EN
[54] **PASSENGER DOOR WITH DEPLOYABLE LOWER STEP**
[54] **PORTE PASSAGER AVEC MARCHE INFERIEURE DEPLOYABLE**
[72] SAVIDGE, JOHN RICHARD, CA
[71] BOMBARDIER INC., CA
[22] 2019-11-27
[41] 2020-05-27
[30] US (62/771,756) 2018-11-27

---

[21] **3,062,913**
[13] A1
[51] **Int.Cl. E04F 13/22 (2006.01) E04F 13/23 (2006.01)**
[25] EN
[54] **WALLBOARD ANCHOR**
[54] **ANCRE DE PANNEAU MURAL**
[72] FAGHIDI, HAMID, US
[72] GARIKAPATI, NALINIKANTH, US
[72] HICKS, MICHAEL MARTIN, US
[71] THE HILLMAN GROUP, INC., US
[22] 2019-11-27
[41] 2020-05-29
[30] US (62/772,951) 2018-11-29

---

[21] **3,062,916**
[13] A1
[51] **Int.Cl. E04F 13/22 (2006.01) E04F 13/23 (2006.01)**
[25] EN
[54] **ANCHOR ASSEMBLY WITH TOGGLE**
[54] **ENSEMBLE D`ANCRAGE AVEC MECANISME A BASCULE**
[72] MAHADEO, BEESHAM, US
[72] HICKS, MICHAEL MARTIN, US
[71] THE HILLMAN GROUP, INC., US
[22] 2019-11-27
[41] 2020-05-29
[30] US (62/772,949) 2018-11-29

[21] **3,062,919**
[13] A1
[51] **Int.Cl. F16B 13/10 (2006.01) F16B 13/04 (2006.01)**
[25] EN
[54] **ANCHOR ASSEMBLY WITH TOGGLE**
[54] **ENSEMBLE D`ANCRAGE AVEC MECANISME A BASCULE**
[72] SUNKARA, HARI R.P., US
[71] THE HILLMAN GROUP, INC., US
[22] 2019-11-27
[41] 2020-05-29
[30] US (62/772,946) 2018-11-29

---

[21] **3,062,920**
[13] A1
[51] **Int.Cl. G02B 3/14 (2006.01) G02F 1/31 (2006.01)**
[25] EN
[54] **DIGITALLY CONTROLLED DYNAMIC LENS**
[54] **LENTILLES DYNAMIQUES A COMMANDE NUMERIQUE**
[72] WURMFELD, DAVID, US
[72] OSBORN, KEVIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-11-27
[41] 2020-05-27
[30] US (16/202036) 2018-11-27

---

[21] **3,062,921**
[13] A1
[51] **Int.Cl. G01S 17/89 (2006.01) G01S 7/481 (2006.01)**
[25] EN
[54] **SHAPE MEASUREMENT SYSTEM, PROBE TIP UNIT, AND SHAPE MEASUREMENT METHOD**
[54] **SYSTEME DE MESURE DE LA FORME, UNITE DE POINTE DE LA SONDE ET METHODE DE MESURE DE LA FORME**
[72] HARIYAMA, TATSUO, JP
[72] WATANABE, MASAHIRO, JP
[72] TANIGUCHI, ATSUSHI, JP
[72] MARUNO, KENJI, JP
[71] HITACHI, LTD., JP
[22] 2019-11-27
[41] 2020-05-28
[30] JP (2018-222227) 2018-11-28

---

[21] **3,062,923**
[13] A1
[51] **Int.Cl. G08G 1/0965 (2006.01) H04W 4/029 (2018.01) H04W 4/46 (2018.01) G08G 1/017 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VEHICLE-TO-VEHICLE COMMUNICATION**
[54] **SYSTEMES ET METHODES DE COMMUNICATIONS ENTRE VEHICULES**
[72] EDWARDS, JOSHUA, US
[72] BENKREIRA, ABDELKADER, US
[72] MOSSOBA, MICHAEL, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-11-27
[41] 2020-05-27
[30] US (16/202060) 2018-11-27

---

[21] **3,062,948**
[13] A1
[51] **Int.Cl. G06Q 40/06 (2012.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING AND EVALUATING THE INVESTMENT PERFORMANCE OF FUNDS AND PORTFOLIOS**
[54] **SYSTEME ET METHODE D`ANALYSE ET D`EVALUATION DES PERFORMANCES D`INVESTISSEMENT DES FONDS ET DES PORTEFEUILLES**
[72] MINEAULT, GUY, CA
[71] MINEAULT, GUY, CA
[22] 2019-11-28
[41] 2020-05-28
[30] US (62/772,433) 2018-11-28

---

[21] **3,063,011**
[13] A1
[51] **Int.Cl. B60D 1/58 (2006.01) B60D 1/36 (2006.01) B60R 11/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING AND TRACKING OBJECTS**
[54] **SYSTEME ET PROCEDE DE DETECTION ET DE SUIVI D`OBJETS**
[72] XU, ANQI, CA
[72] LAMY-POIRIER, JOEL, CA
[71] ELEMENT AI INC., CA
[22] 2019-11-28
[41] 2020-05-29
[30] US (62/772,729) 2018-11-29

---

[21] **3,063,016**
[13] A1
[51] **Int.Cl. B62D 33/023 (2006.01) B60J 5/10 (2006.01) B62D 29/04 (2006.01)**
[25] EN
[54] **LIFTGATE ARRANGEMENT HAVING A CARBON FIBER REINFORCED SHEET MOLDING COMPOUND REINFORCEMENT**
[54] **AGENCEMENT DE HAYON AYANT UN RENFORCEMENT DU MELANGE A MOULER EN FEUILLE PAR DES FIBRES DE CARBONE**
[72] KUNTZE, CHRISTOPHER JOHN, US
[72] BIRKA, MARK P., US
[72] ANDRASIC, SINISA, CA
[72] VARISTO, SCOTT, US
[72] HARNEY, WILLIAM J. J., CA
[71] MAGNA EXTERIORS INC., CA
[22] 2019-11-27
[41] 2020-05-27
[30] US (62/771,674) 2018-11-27

---

[21] **3,063,031**
[13] A1
[51] **Int.Cl. F16L 9/133 (2006.01) F16L 9/12 (2006.01)**
[25] EN
[54] **MULTILAYER TUBE, PARTICULARLY FOR CHEMICAL AND FOOD-RELATED FLUIDS**
[54] **TUBE MULTICOUCHE, NOTAMMENT POUR LES LIQUIDES CHIMIQUES ET ALIMENTAIRES**
[72] SOETERBROEK, ALEXANDER J. A., NL
[72] DEREGIBUS, ANDREA, IT
[71] TUBIGOMMA DEREGIBUS S.R.L., IT
[71] FLUORTUBING BV, NL
[22] 2019-11-26
[41] 2020-05-28
[30] IT (10 2018 000010636) 2018-11-28

[21] **3,063,053**
[13] A1
[51] **Int.Cl. A01M 31/02 (2006.01) A45F 3/26 (2006.01) A47C 9/10 (2006.01)**
[25] EN
[54] **A HUNTING TREE STAND ADJUSTMENT DEVICE AND A METHOD OF USING A HUNTING TREE STAND ADJUSTMENT DEVICE WHEN HUNTING IN A CLIMBING TREE STAND**
[54] **DISPOSITIF DE REGLAGE DE MIRADOR DE CHASSE ET PROCEDE D`UTILISATION D`UN DISPOSITIF DE REGLAGE DE MIRADOR DE CHASSE**
[72] TRZNADEL, JUSTIN, US
[71] TRZNADEL, JUSTIN, US
[22] 2019-11-27
[41] 2020-05-28
[30] US (62/772,409) 2018-11-28

---

[21] **3,063,059**
[13] A1
[51] **Int.Cl. B60S 5/00 (2006.01)**
[25] EN
[54] **REMOTE AUTOMOTIVE DIAGNOSTICS**
[54] **TELEDIAGNOSTIC AUTOMOBILE**
[72] JINGLE, CURT, US
[72] TERLEP, FRANK, US
[71] JINGLE, CURT, US
[71] TERLEP, FRANK, US
[22] 2019-11-27
[41] 2020-05-28
[30] US (16/202,642) 2018-11-28

---

[21] **3,063,066**
[13] A1
[51] **Int.Cl. A47J 31/46 (2006.01) A47J 31/34 (2006.01)**
[25] EN
[54] **COFFEE MACHINE WITH PROPORTIONAL PRE-INFUSION SYSTEM**
[54] **MACHINE A CAFE AVEC SYSTEME DE PRE-INFUSION PROPORTIONNEL**
[72] CINGOLANI, CLAUDIO, IT
[71] SIMONELLI GROUP S.P.A., IT
[22] 2019-11-28
[41] 2020-05-29
[30] IT (102018000010697) 2018-11-29

---

[21] **3,063,072**
[13] A1
[51] **Int.Cl. A01K 7/02 (2006.01)**
[25] EN
[54] **CATTLE WATER FOUNTAIN**
[54] **ABREUVOIR A BETAIL**
[72] VAN OTTERLOO, DAVID, US
[71] VAN OTTERLOO, DAVID, US
[22] 2019-11-27
[41] 2020-05-27
[30] US (62/771,868) 2018-11-27

---

[21] **3,063,085**
[13] A1
[51] **Int.Cl. D04D 7/06 (2006.01)**
[25] EN
[54] **APPARATUS FOR PRODUCING POMPONS**
[54] **APPAREIL DE FABRICATION DE POMPONS**
[72] PAPENFUSS, ANDREAS, DE
[71] WILLIAM PRYM GMBH & CO. KG, DE
[22] 2019-11-28
[41] 2020-05-30
[30] DE (20 2018 106817.2) 2018-11-30

---

[21] **3,063,112**
[13] A1
[51] **Int.Cl. A43B 13/12 (2006.01) A43B 13/16 (2006.01)**
[25] EN
[54] **FOOTWEAR WITH ANTI-PUNCTURE SOLE MEMBRANE**
[54] **CHAUSSURES A SEMELLE ANTIPERFORATION**
[72] CHEN, MICHAEL, CN
[71] L.P. ROYER INC., CA
[22] 2019-11-27
[41] 2020-05-27
[30] US (62/771,779) 2018-11-27

---

[21] **3,063,171**
[13] A1
[51] **Int.Cl. A61F 5/10 (2006.01) A41D 13/08 (2006.01) A41D 19/015 (2006.01)**
[25] EN
[54] **THERAPY GLOVE AND FIXING SPLINT FOR A THERAPY GLOVE**
[54] **GANT THERAPEUTIQUE ET FIXATION D`ATTELLES POUR GANT THERAPEUTIQUE**
[72] MEYER-CLASEN, CARSTEN, DE
[71] MEYER-CLASEN, PETRA, DE
[22] 2019-11-28
[41] 2020-05-30
[30] DE (10 2018 130 567.2) 2018-11-30

---

[21] **3,063,184**
[13] A1
[51] **Int.Cl. B07B 15/00 (2006.01) B07B 9/00 (2006.01) B07B 13/00 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR SORTING AND RECOVERY OF RECYCLABLE MATERIALS FROMMIXED WASTE**
[54] **PROCESSUS ET SYSTEME DE TRI ET DE RECUPERATION DES MATERIAUX RECYCLABLES A PARTIR DE DECHETS MIXTES**
[72] TORRIERE, BOB, US
[71] WM INTELLECTUAL PROPERTY HOLDINGS, LLC, US
[22] 2019-11-28
[41] 2020-05-29
[30] US (62/772,982) 2018-11-29

---

[21] **3,063,211**
[13] A1
[51] **Int.Cl. F16K 31/60 (2006.01) G05G 9/00 (2006.01)**
[25] EN
[54] **FAUCET HANDLE WITH DUAL VALVE STEM CAVITIES**
[54] **POIGNEE DE ROBINET AVEC DEUX CAVITES DE TIGE DE SOUPAPE**
[72] JONES, ROBERT, US
[72] MANOJ, JON, US
[71] NCH CORPORATION, US
[22] 2019-11-28
[41] 2020-05-29
[30] US (62/772851) 2018-11-29
[30] US (16/690747) 2019-11-21

[21] **3,063,272**
[13] A1
[51] **Int.Cl. A61K 36/185 (2006.01) A61K 8/9789 (2017.01) A61K 8/19 (2006.01) A61K 9/00 (2006.01) A61K 33/38 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF SILVER AND CANNABINOIDS**
[54] **COMPOSITIONS DE PARTICULES D`ARGENT ET DE CANNABINOIDES**
[72] HOLLADAY, ROBERT J., US
[72] MOELLER, NATHAN R., US
[72] REVELLI, JERRY S., US
[72] MOELLER, SHEREE M., US
[72] HOLLADAY, BRANDON, US
[71] AMERICAN SILVER, LLC, US
[22] 2019-11-28
[41] 2020-05-29
[30] US (62/772,959) 2018-11-29

[21] **3,063,381**
[13] A1
[51] **Int.Cl. H02J 13/00 (2006.01) H03K 17/13 (2006.01)**
[25] EN
[54] **SWITCHING CONTROL CIRCUITS HAVING REDUCED CONDUCTED EMI**
[54] **CIRCUITS DE COMMANDE DE COMMUTATION A PERTURBATION ELECTROMAGNETIQUE PAR CONDUCTION REDUITE**
[72] CHAMPAGNE, MAXIME, CA
[72] LEMIRE, JIMMY, CA
[72] BOUDOUR, MOHAMED, CA
[72] SIMARD, JEAN-FRANCOIS, CA
[72] CYR, JEAN-MARC, CA
[72] MCNABB-BALTAR, JOEL, CA
[71] STELPRO DESIGN INC., CA
[22] 2019-11-29
[41] 2020-05-29
[30] CA (3,025,780) 2018-11-29

[21] **3,063,385**
[13] A1
[51] **Int.Cl. G09G 5/377 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **AUGMENTED IMAGE GENERATION USING VIRTUAL CONTENT FROM WEARABLE HEADS UP DISPLAY**
[54] **GENERATION D`IMAGES ENRICHIES AU MOYEN D`UN CONTENU VIRTUEL A PARTIR D`UN AFFICHAGE TETE HAUTE PORTABLE**
[72] LAKE, STEPHEN, CA
[72] LEGGE, SAMUEL, CA
[72] PAYNE, LEE, CA
[72] KODIPPILIGE, LAHIRU M., CA
[72] PATTERSON, ERIC A., CA
[71] NORTH INC., CA
[22] 2019-12-02
[41] 2020-05-30
[30] US (62733851) 2018-11-30

[21] **3,063,404**
[13] A1
[51] **Int.Cl. F16G 11/12 (2006.01) B60P 7/06 (2006.01)**
[25] EN
[54] **LOAD BINDER**
[54] **TENDEUR A CHAINE**
[72] D'ANTONIO, LAURA, CA
[72] STEWART, ANTHONY, CA
[71] D'ANTONIO, LAURA, CA
[22] 2019-11-29
[41] 2020-05-29
[30] US (62/772,886) 2018-11-29

[21] **3,063,442**
[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01) A61M 21/02 (2006.01)**
[25] EN
[54] **MULTI-ZONE CUSTOMIZABLE WEIGHTED BLANKETS**
[54] **COUVERTURES LESTEES MULTIZONE PERSONNALISABLE**
[72] XU, SHIZHONG RICHARD, US
[71] E&E CO., LTD., US
[22] 2019-11-29
[41] 2020-05-29
[30] US (62/773,159) 2018-11-29

[21] **3,065,988**
[13] A1
[51] **Int.Cl. G06Q 50/16 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SCOPE OF WORK GENERATOR FOR WORKING REAL PROPERTY**
[54] **GENERATEUR DE L`ETENDUE DES TRAVAUX POUR TRAVAUX DANS UN BIEN IMMEUBLE**
[72] BAFUKA, FREDDY NOLE, US
[72] CHERIAKALATH, BOBIN JOHN, US
[71] PACIFY TECHNOLOGIES, LLC, US
[22] 2019-11-29
[41] 2020-05-30
[30] US (62/773525) 2018-11-30

[21] **3,067,399**
[13] A1
[51] **Int.Cl. H02B 1/30 (2006.01) H02B 1/38 (2006.01) H02J 3/06 (2006.01)**
[25] EN
[54] **ELECTRICAL DOCKING STATION**
[54] **STATION D`ACCUEIL ELECTRIQUE**
[72] SUNDE, JONATHAN A., US
[72] SMITH, JARED A., US
[72] HEBEL, GRIFFIN A., US
[71] TRYSTAR, INC., US
[22] 2019-11-29
[41] 2020-05-30
[30] US (62/773,556) 2018-11-30
[30] US (16/698,667) 2019-11-27

[21] **3,072,788**
[13] A1
[51] **Int.Cl. H02P 27/04 (2016.01) E21B 43/26 (2006.01)**
[25] EN
[54] **PARAMETER MONITORING AND CONTROL FOR AN ELECTRIC DRIVEN HYDRAULIC FRACKING SYSTEM**
[54] **SURVEILLANCE ET CONTROLE DES PARAMETRES D`UN SYSTEME DE FRACTURATION HYDRAULIQUE A ENTRAINEMENT ELECTRIQUE**
[72] FISCHER, JOHN, US
[72] CROSETTO, JOHN J., US
[72] KUBRICHT, DAVID, US
[72] CHEATHAM, RICHARD, US
[72] POLLACK, JEFFREY, US
[72] LAWMAN, CHAD, US
[72] TODD, DAVID, US
[72] NOLEN, TYLER, US
[71] NATIONAL SERVICE ALLIANCE - HOUSTON LLC, US
[22] 2020-02-14
[41] 2020-05-26
[30] US (62/805,521) 2019-02-14

[21] **3,076,298**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/255 (2006.01)**
[25] EN
[54] **OPTICAL FIBER SPLICE CLOSURE AND METHOD OF INSTALLING FIBER OPTIC CABLES**
[54] **FERMETURE D`UNE EPISSURE DE FIBRE OPTIQUE ET METHODE D`INSTALLATION DE CABLES A FIBRES OPTIQUES**
[72] COUSINEAU, CHRISTIAN, CA
[72] POTVIN, LOUIS-PHILIPPE, CA
[72] PARENT, MICHEL, CA
[71] BCE INC., CA
[22] 2020-03-19
[41] 2020-05-25
[30] US (62/941,978) 2019-11-29

[21] **3,077,279**
[13] A1
[51] **Int.Cl. G01B 7/004 (2006.01)**
[25] EN
[54] **CORRECTING DISTORTIONS**
[54] **CORRECTION DES DISTORSIONS**
[72] ASHE, WESTLEY S., US
[72] FUJIOKA, KENJI, US
[71] ASCENSION TECHNOLOGY CORPORATION, US
[22] 2020-03-27
[41] 2020-05-27

PCT Applications Entering the National Phase

Demandes PCT entrant en phase nationale

[21] **3,055,744**
[13] A1
[51] **Int.Cl. E21B 47/0232 (2012.01)**
[25] EN
[54] **MULTIPLE SURFACE EXCITATION METHOD FOR DETERMINING A LOCATION OF DRILLING OPERATIONS TO EXISTING WELLS**
[54] **METHODE D'EXCITATION DE SURFACE MULTIPLE SERVANT A DETERMINER UN EMPLACEMENT D'OPERATIONS DE FORAGE DANS LES PUITS EXISTANTS**
[72] FAN, YIJING, SG
[72] WU, HSU-HSIANG, US
[72] PAN, LI, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-09-17
[86] 2018-11-30 (PCT/US2018/063258)
[87] (3055744)

[21] **3,060,565**
[13] A1
[51] **Int.Cl. C09C 1/48 (2006.01) C09C 1/50 (2006.01) H05H 1/24 (2006.01) H05H 1/34 (2006.01)**
[25] EN
[54] **TORCH STINGER METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE GOUGEAGE AU CHALUMEAU**
[72] HOERMANN, ALEXANDER F., US
[72] TAYLOR, ROSCOE W., US
[72] CARDINAL, CHRISTOPHER J.P., US
[72] JOHNSON, PETER L., US
[72] HARDMAN, NED J., US
[72] HANSON, ROBERT J., US
[71] MONOLITH MATERIALS, INC., US
[85] 2019-10-17
[86] 2017-04-28 (PCT/US2017/030139)
[87] (WO2017/190015)

[21] **3,062,121**
[13] A1
[25] EN
[54] **CANNABINOID BASED EMULSION SYSTEMS FOR INFUSED NON-AQUEOUS COMPOSITIONS**
[54]
[72] ALSAYAR, MAX, CA
[72] CHOUINARD, FRANCOIS, CA
[72] CONWAY, JUSTIN, CA
[71] HEXO OPERATIONS INC., CA
[85] 2020-04-17
[86] 2019-08-20 (PCT/CA2019/051139)
[87] (3062121)
[30] US (62/719,926) 2018-08-20
[30] US (62/722,422) 2018-08-24
[30] US (62/725,142) 2018-08-30

[21] **3,062,924**
[13] A1
[25] EN
[54] **PROTECTIVE FILM FORMING SPRAY FOR SKIN SURFACE**
[54] **FILMOGENE EN AEROSOL POUR PROTEGER LA SURFACE DE LA PEAU**
[72] SUZUKI, HIROAKI, JP
[71] EISHO CHEMICAL INDUSTRY CO., LTD., JP
[85] 2019-11-27
[86] 2019-01-21 (PCT/JP2019/001639)
[87] (3062924)
[30] JP (2018-220968) 2018-11-27

[21] **3,066,461**
[13] A1
[51] **Int.Cl. F25D 17/08 (2006.01) F25C 1/00 (2006.01) F25D 23/12 (2006.01)**
[25] EN
[54] **REFRIGERATOR**
[54] **REFRIGERATEUR**
[72] LI, YU, CN
[72] WEI, DEMING, CN
[72] JIA, YING, CN
[72] CHEN, WEI, CN
[72] LIU, DONGXIAN, CN
[72] ZHENG, XUEZAI, CN
[72] REN, WEI, CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] HEFEI HUALING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-02-11
[86] 2018-12-29 (PCT/CN2018/125734)
[87] (3066461)
[30] CN (2018114360000) 2018-11-28

[21] **3,068,642**
[13] A1
[51] **Int.Cl. F25D 23/12 (2006.01) F25D 17/06 (2006.01)**
[25] EN
[54] **REFRIGERATOR**
[54] **REFRIGERATEUR**
[72] JIA, YING, CN
[72] SI, ZENGQIANG, CN
[72] LIU, DONGXIAN, CN
[72] ZHENG, XUEZAI, CN
[72] LU, FEI, CN
[72] LI, YU, CN
[72] WEI, DEMING, CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] HEFEI HUALING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-02-11
[86] 2019-01-17 (PCT/CN2019/072061)
[87] (3068642)
[30] CN (201811436035.4) 2018-11-28

[21] **3,068,650**
[13] A1
[25] EN
[54] **REFRIGERATOR**
[54] **REFRIGERATEUR**
[72] JIA, YING, CN
[72] SI, ZENGQIANG, CN
[72] LIU, DONGXIAN, CN
[72] ZHENG, XUEZAI, CN
[72] LU, FEI, CN
[72] LI, YU, CN
[72] WEI, DEMING, CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] HEFEI HUALING CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-02-11
[86] 2019-01-03 (PCT/CN2019/070279)
[87] (3068650)
[30] CN (2018114372402) 2018-11-28

[21] **3,070,470**
[13] A1
[25] EN
[54] **CAMP RECEPTOR PROTEIN VARIANT AND METHOD OF PRODUCING L-AMINO ACID USING THE SAME**
[54]
[72] CHEONG, KI YONG, KR
[72] YOO, HYERYUN, KR
[72] SEO, CHANG II, KR
[72] LEE, JAEMIN, KR
[72] CHO, SEUNG-HYUN, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-05-08
[86] 2019-07-25 (PCT/KR2019/009291)
[87] (3070470)
[30] KR (10-2018-0150875) 2018-11-29

[21] **3,071,718**
[13] A1
[51] **Int.Cl. G01F 23/26 (2006.01) A47K 5/12 (2006.01) G01F 11/00 (2006.01)**
[25] EN
[54] **PRODUCT LEVEL DETECTION APPARATUSES AND SYSTEMS FOR FLUID DISPENSERS**
[54] **APPAREILS ET SYSTEMES DE DETECTION DE NIVEAU DE PRODUIT POUR DISTRIBUTEURS DE FLUIDE**
[72] KOBS, STEPHEN RUSSEL, US
[71] GPCP IP HOLDINGS LLC, US
[85] 2020-01-29
[86] 2018-08-29 (PCT/US2018/048435)
[87] (WO2019/046360)
[30] US (62/551,519) 2017-08-29
[30] US (16/114,623) 2018-08-28

[21] **3,078,134**
[13] A1
[51] **Int.Cl. B64D 25/00 (2006.01) B60R 99/00 (2009.01) B60K 37/04 (2006.01) B60R 1/00 (2006.01) B64D 11/00 (2006.01) G02B 27/04 (2006.01)**
[25] EN
[54] **UNDER-INSTRUMENT PANEL EMERGENCY VISION APPARATUS**
[54] **APPAREIL DE VISION D'URGENCE DE PANNEAU SOUS-INSTRUMENT**
[72] PARKER, JONATHAN MACDONALD, US
[72] WERJEFELT, CHRISTIAN, US
[71] PARKER, JONATHAN MACDONALD, US
[71] WERJEFELT, CHRISTIAN, US
[85] 2020-03-30
[86] 2018-09-24 (PCT/US2018/052467)
[87] (WO2019/070438)
[30] US (62/568,515) 2017-10-05

[21] **3,078,742**
[13] A1
[51] **Int.Cl. C25B 1/04 (2006.01) C01B 3/02 (2006.01) C01C 1/02 (2006.01) C25B 9/18 (2006.01) C25B 13/04 (2006.01)**
[25] EN
[54] **A METHOD FOR GENERATING SYNTHESIS GAS FOR AMMONIA PRODUCTION**
[54] **PROCEDE DE GENERATION DE GAZ DE SYNTHESE POUR LA PRODUCTION D'AMMONIAC**
[72] HANSEN, JOHN BOGILD, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-04-08
[86] 2018-10-01 (PCT/EP2018/076616)
[87] (WO2019/072608)
[30] DK (PA 2017 00568) 2017-10-11

[21] **3,078,747**
[13] A1
[51] **Int.Cl. G01N 27/453 (2006.01) B01D 57/02 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **MICROCHIP FOR FREE FLOW ELECTROPHORESIS**
[54] **MICROPUCE D'ELECTROPHORESE A ECOULEMENT LIBRE**
[72] DELMARCELLE, MICHAEL, BE
[72] STEFANIC, PATRICK, BE
[72] JORIS, BERNARD, BE
[72] LECOMTE, EDITH, BE
[71] UNIVERSITE DE LIEGE, BE
[85] 2020-04-08
[86] 2018-10-19 (PCT/EP2018/078769)
[87] (WO2019/077134)
[30] EP (17197296.1) 2017-10-19

[21] **3,078,765**
[13] A1
[51] **Int.Cl. C07F 9/572 (2006.01) A61K 31/675 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **PREPARATION OF PSILOCYBIN, DIFFERENT POLYMORPHIC FORMS, INTERMEDIATES, FORMULATIONS AND THEIR USE**
[54] **PREPARATION DE PSILOCYBINE, DIFFERENTES FORMES POLYMORPHES, INTERMEDIAIRES, FORMULATIONS ET LEUR UTILISATION**
[72] LONDESBROUGH, DEREK JOHN, GB
[72] BROWN, CHRISTOPHER, GB
[72] NORTHEN, JULIAN SCOTT, GB
[72] MOORE, GILLIAN, GB
[71] COMPASS PATHWAYS LIMITED, GB
[85] 2020-04-08
[86] 2018-10-09 (PCT/IB2018/057811)
[87] (WO2019/073379)
[30] GB (1716505.1) 2017-10-09
[30] GB (1810588.2) 2018-06-28
[30] GB (1816438.4) 2018-10-09

[21] **3,078,770**
[13] A1
[51] **Int.Cl. B29C 45/14 (2006.01)**
[25] EN
[54] **ACTIVE AERO SYSTEM IN-MOLD ASSEMBLY HINGE MODULAR FRAME**
[54] **CADRE MODULAIRE DE CHARNIERE D'ASSEMBLAGE DANS LE MOULE D'UN SYSTEME AERONAUTIQUE ACTIF**
[72] LINDBERG, BRAENDON, US
[72] PARPART, ROSS J., US
[72] POVINELLI, ANTHONY J., US
[71] MAGNA EXTERIORS INC., CA
[85] 2020-04-08
[86] 2018-10-10 (PCT/IB2018/057868)
[87] (WO2019/073422)
[30] US (62/570,391) 2017-10-10

[21] **3,078,775**
[13] A1
[51] **Int.Cl. B29D 11/00 (2006.01) A61F 2/16 (2006.01) B65G 47/91 (2006.01)**
[25] EN
[54] **BERNOULLI GRIPPER FOR INTRAOCULAR AND CONTACT LENSES**
[54] **SYSTEME DE PREHENSION A EFFET BERNOULLI POUR LENTILLES INTRAOCULAIRES ET DE CONTACT**
[72] HUEHN, DOMINIK, DE
[72] KOEHLER, JOCHEN, DE
[71] ALCON INC., CH
[85] 2020-04-08
[86] 2018-10-30 (PCT/IB2018/058483)
[87] (WO2019/087058)
[30] US (62/579,971) 2017-11-01

[21] **3,078,786**
[13] A1
[51] **Int.Cl. C10M 173/00 (2006.01) C10M 133/16 (2006.01) C10M 135/08 (2006.01) C10M 135/10 (2006.01) C09K 5/10 (2006.01)**
[25] EN
[54] **FABRICATION FLUIDS**
[54] **FLUIDES DE FABRICATION**
[72] LIANG, MING TANG, CA
[71] HYDRANT INTERNATIONAL TRADING CO., LTD., TW
[85] 2020-04-08
[86] 2018-10-08 (PCT/US2018/054800)
[87] (WO2019/074814)
[30] US (62/570,617) 2017-10-10

[21] **3,078,816**
[13] A1
[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/176 (2014.01) H04N 19/59 (2014.01)**
[25] EN
[54] **LIMITED MEMORY ACCESS WINDOW FOR MOTION VECTOR REFINEMENT**
[54] **FENETRE D'ACCES A UNE MEMOIRE LIMITEE DESTINEE A UN AFFINEMENT DE VECTEUR DE MOUVEMENT**
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] ZHAO, ZHIJIE, DE
[72] GAO, HAN, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-04-09
[86] 2018-05-30 (PCT/EP2018/064247)
[87] (WO2019/072425)
[30] EP (PCT/EP2017/075710) 2017-10-09

[21] **3,078,830**
[13] A1
[51] **Int.Cl. A23G 9/04 (2006.01) A23G 9/32 (2006.01) A23G 9/34 (2006.01) A23G 9/38 (2006.01) A23G 9/46 (2006.01)**
[25] EN
[54] **A METHOD OF PRODUCING FROZEN CONFECTION WITH PROTEIN AGGLOMERATION AND DELAYED SUCROSE ADDITION**
[54] **PROCEDE DE PRODUCTION DE CONFISERIE CONGELEE AVEC AGGLOMERATION DE PROTEINES ET AJOUT RETARDE DE SACCHAROSE**
[72] DESAI, NILESH, US
[72] MARK, STEPHEN GENE, US
[72] VAGHELLA, MADANSINH NATHUSINH, US
[72] DAVE, RAJIV INDRAVADAN, US
[72] PANDYA, NIRAV CHANDRAKANT, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-04-09
[86] 2018-10-11 (PCT/EP2018/077761)
[87] (WO2019/072979)
[30] US (62/572,090) 2017-10-13

[21] **3,078,836**
[13] A1
[51] **Int.Cl. A01M 1/14 (2006.01)**
[25] EN
[54] **BED BUG TRAP**
[54] **PIEGE POUR PUNAISES DES LITS**
[72] BACKMARK, MAGNUS, SE
[72] KNUDSEN, JETTE, SE
[71] NATTARO LABS AB, SE
[85] 2020-04-09
[86] 2018-11-07 (PCT/EP2018/080509)
[87] (WO2019/092043)
[30] EP (17200992.0) 2017-11-10

[21] **3,078,948**
[13] A1
[51] **Int.Cl. A01N 25/26 (2006.01) A01B 3/20 (2006.01) H01B 7/02 (2006.01) H01B 7/17 (2006.01) H01B 7/28 (2006.01)**
[25] EN
[54] **METHOD FOR ENCAPSULATING HYDROPHOBIC MATERIALS IN STABILIZED YEAST CELLS SUITABLE FOR PROCESSING WITH POLYMERS**
[54] **PROCEDE D'ENCAPSULATION DE MATIERES HYDROPHOBES DANS DES CELLULES DE LEVURE STABILISEES APPROPRIEES POUR UN TRAITEMENT AVEC DES POLYMERES**
[72] BAKER, LINDA SUE, US
[71] CORNING INCORPORATED, US
[85] 2020-04-09
[86] 2018-10-10 (PCT/US2018/055146)
[87] (WO2019/075010)
[30] US (62/571,950) 2017-10-13

[21] **3,078,952**
[13] A1
[51] **Int.Cl. B23K 26/04 (2014.01) G01B 7/02 (2006.01)**
[25] EN
[54] **LASER MATERIAL PROCESSING DISTANCE GAUGE**
[54] **JAUGE DE DISTANCE DE TRAITEMENT DE MATERIAU LASER**
[72] JEFFERIES, KEITH, US
[71] COHERENT, INC., US
[85] 2020-04-09
[86] 2018-10-10 (PCT/US2018/055222)
[87] (WO2019/089204)
[30] US (15/801,674) 2017-11-02

[21] **3,079,013**
[13] A1
[51] **Int.Cl. A42B 1/24 (2006.01) A42C 1/08 (2006.01) A42C 5/00 (2006.01)**
[25] EN
[54] **CAP OR HAT DECORATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DECORATION DE CASQUETTE OU DE CHAPEAU**
[72] FIGUEROA, MANUEL, US
[71] WORLD EMBLEM INTERNATIONAL INC., US
[71] FIGUEROA, MANUEL, US
[85] 2020-04-13
[86] 2018-10-31 (PCT/US2018/058570)
[87] (WO2019/089841)
[30] US (62/579,586) 2017-10-31

[21] **3,079,029**
[13] A1
[25] EN
[54] **SOLID FORMS OF A COMPOUND FOR MODULATING KINASES**
[54] **FORMES SOLIDES D'UN COMPOSE POUR LA MODULATION DE KINASES**
[72] IBRAHIM. PRABHA N., US
[72] REZAEI, HAMID, US
[72] NESPI, MARIKA, US
[72] POWELL, BEN, US
[72] PATEL, RASHMIN, US
[71] PLEXXIKON INC., US
[85] 2020-04-08
[86] 2018-10-11 (PCT/US2018/055473)
[87] (WO2019/075243)
[30] US (62/572,099) 2017-10-13

[21] **3,079,046**
[13] A1
[25] EN
[54] **METHODS, COMPOSITIONS, AND DEVICES FOR INFORMATION STORAGE**
[54] **PROCEDES, COMPOSITIONS ET DISPOSITIFS DE STOCKAGE D'INFORMATIONS**
[72] PREDKI, PAUL F., US
[72] CASSIDY, MAJA, US
[71] IRIDIA, INC., US
[85] 2020-04-14
[86] 2017-10-30 (PCT/US2017/059100)
[87] (WO2018/081745)
[30] US (62/415,430) 2016-10-31
[30] US (PCT/US2017/020044) 2017-02-28
[30] US (15/690,189) 2017-08-29

[21] **3,079,102**
[13] A1
[51] **Int.Cl. G02B 6/38 (2006.01)**
[25] EN
[54] **FIBER OPTIC TERMINUS CONNECTOR**
[54] **CONNECTEUR DE TERMINAISON DE FIBRE OPTIQUE**
[72] ROSSI, NICK, US
[72] ARTEMI, EUGEN, US
[72] APPLEBAUM, KEN, US
[71] COTSWORKS, LLC, US
[85] 2020-04-14
[86] 2018-10-26 (PCT/US2018/057707)
[87] (WO2019/084400)
[30] US (62/577,418) 2017-10-26

[21] **3,079,103**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01)**
[25] EN
[54] **CARTRIDGE FOR TUBING PLACEMENT IN A PERISTALTIC INFUSION PUMP**
[54] **CARTOUCHE DE MISE EN PLACE D'UNE TUBULURE DANS UNE POMPE A PERFUSION PERISTALTIQUE**
[72] WARD, BRIAN WILLIAM, US
[72] TRAVIS, LEE WILLIAM, US
[71] CME AMERICA, LLC, US
[85] 2020-04-14
[86] 2018-10-30 (PCT/US2018/058251)
[87] (WO2019/089621)
[30] US (62/579,542) 2017-10-31

[21] **3,079,104**
[13] A1
[51] **Int.Cl. A01D 17/10 (2006.01) B65G 15/52 (2006.01) B65G 17/06 (2006.01)**
[25] EN
[54] **SCREENING BELT UNIT FOR A HARVESTING MACHINE, AND ASSOCIATED FLAP UNIT**
[54] **UNITE DE BANDE FILTRANTE POUR UNE RECOLTEUSE AINSI QU'UNE UNITE OUVRANTE ASSOCIEE**
[72] ROSS, JULIAN, DE
[72] GERDES, JOSEF, DE
[72] SCHLEINER, HEINRICH, DE
[72] HALBRUGGE, CHRISTOPH, DE
[71] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG, DE
[85] 2020-04-15
[86] 2018-10-16 (PCT/EP2018/078301)
[87] (WO2019/076932)
[30] DE (10 2017 124 170.1) 2017-10-17

[21] **3,079,107**
[13] A1
[51] **Int.Cl. C12N 15/86 (2006.01)**
[25] EN
[54] **VECTORS FOR THE TREATMENT OF FRIEDREICH'S ATAXIA**
[54] **VECTEURS POUR LE TRAITEMENT DE L'ATAXIE DE FRIEDREICH**
[72] MATILLA DUENAS, ANTONI, ES
[72] SANCHEZ DIAZ, IVELISSE, ES
[72] BALAGUE CABASES, EUDALD, ES
[71] FUNDACIO INSTITUT D'INVESTIGACIO EN CIENCIES DE LA SALUT GERMANS TRIAS I PUJOL, ES
[71] GENTEC, S.A., ES
[85] 2020-04-15
[86] 2018-10-17 (PCT/EP2018/078384)
[87] (WO2019/076973)
[30] EP (17382691.8) 2017-10-17

[21] **3,079,109**
[13] A1
[51] **Int.Cl. C08F 20/56 (2006.01) C08F 2/01 (2006.01) C08F 220/56 (2006.01) C12P 13/02 (2006.01) E21B 7/00 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING AQUEOUS POLYACRYLAMIDE SOLUTIONS**
[54] **PROCEDE DE PRODUCTION DE SOLUTIONS AQUEUSES DE POLYACRYLAMIDE**
[72] SPRAFKE, HAZEL, DE
[72] MECKELNBURG, DIRK, DE
[72] LOESCH, DENNIS, DE
[72] OSTERMAYR, MARKUS, DE
[72] ZIMMERMANN, TOBIAS JOACHIM, DE
[72] EL-TOUFAILI, FAISSAL-ALI, DE
[71] BASF SE, DE
[85] 2020-04-15
[86] 2018-10-18 (PCT/EP2018/078493)
[87] (WO2019/081321)
[30] EP (PCT/EP2017/077247) 2017-10-25

[21] **3,079,112**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **THERAPY MONITORING UNDER TREATMENT WITH AN ANTI-ADRENOMEDULLIN (ADM) BINDER**
[54] **SURVEILLANCE DE THERAPIE SOUS TRAITEMENT AVEC UN LIANT ANTI-ADRENOMEDULLINE (ADM)**
[72] STRUCK, JOACHIM, DE
[72] BERGMANN, ANDREAS, DE
[71] ADRENOMED AG, DE
[85] 2020-04-15
[86] 2018-10-18 (PCT/EP2018/078647)
[87] (WO2019/077082)
[30] EP (17197177.3) 2017-10-18

[21] **3,079,193**
[13] A1
[51] **Int.Cl. A63F 9/08 (2006.01) H01R 13/6581 (2011.01) A63F 13/00 (2014.01) H01R 13/62 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE**
[72] OSIPOV, ILYA, US
[71] OSIPOV, ILYA, US
[85] 2020-04-15
[86] 2017-10-19 (PCT/US2017/057296)
[87] (WO2018/075714)
[30] US (62/410,786) 2016-10-20
[30] US (62/462,715) 2017-02-23

[21] **3,079,353**
[13] A1
[51] **Int.Cl. A61M 5/24 (2006.01) A61J 1/20 (2006.01) A61M 5/162 (2006.01) A61M 5/31 (2006.01) A61M 5/34 (2006.01) B65D 51/00 (2006.01)**
[25] EN
[54] **CONNECTOR FOR ASEPTIC TRANSFER OF FLUID**
[54] **CONNECTEUR POUR TRANSFERT ASEPTIQUE DE FLUIDE**
[72] BOOTH, DAVID E., US
[72] LE DEMET, GWENN, FR
[72] QUINN, PETER, US
[72] QUINN, MICHAEL VINCENT, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-04-16
[86] 2018-10-15 (PCT/US2018/055849)
[87] (WO2019/079169)
[30] US (62/572,730) 2017-10-16

[21] **3,079,354**
[13] A1
[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **STERILIZATION ARRANGEMENT FOR DRUG DELIVERY DEVICE**
[54] **CONFIGURATION DE STERILISATION POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] FALKOVICH, MARGARITA, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-04-16
[86] 2018-10-15 (PCT/US2018/055865)
[87] (WO2019/079174)
[30] US (62/572,715) 2017-10-16

[21] **3,079,356**
[13] A1
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **TUBE CRIMPING ARRANGEMENT FOR DRUG DELIVERY DEVICE**
[54] **AGENCEMENT DE SERTISSAGE DE TUBE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] SALTER, JAMIE ANTHONY, GB
[72] GAZELEY, OLIVER CHARLES, GB
[72] PLUMPTRE, DAVID AUBREY, GB
[72] SENIOR, JAMES ALEXANDER, GB
[72] LEWIS, GARETH JAMES, GB
[72] BOYD, MALCOLM STANLEY, GB
[72] NADAL, JAVIER EDUARDO, GB
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-04-16
[86] 2018-10-15 (PCT/US2018/055885)
[87] (WO2019/079184)
[30] US (62/572,692) 2017-10-16

[21] **3,079,357**
[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **SPACER ASSEMBLY FOR DRUG DELIVERY DEVICE**
[54] **ENSEMBLE D'ECARTEMENT POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] AVERY, RICHARD JAMES VINCENT, GB
[72] BOYD, MALCOLM STANLEY, GB
[72] GAZELEY, OLIVER CHARLES, GB
[72] LEWIS, GARETH JAMES, GB
[72] PLUMPTRE, DAVID AUBREY, GB
[72] SENIOR, JAMES ALEXANDER, GB
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-04-16
[86] 2018-10-15 (PCT/US2018/055895)
[87] (WO2019/079189)
[30] US (62/572,704) 2017-10-16

[21] **3,079,474**
[13] A1
[51] **Int.Cl. A01D 17/10 (2006.01)**
[25] EN
[54] **CONVEYING DEVICE**
[54] **DISPOSITIF DE TRANSPORT**
[72] LANDSBERG, JORG, DE
[72] REDEL, STEFAN, DE
[72] KOMOSSA, HENDRIK, DE
[72] SCHLEINER, HEINRICH, DE
[71] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG, DE
[85] 2020-04-17
[86] 2018-10-12 (PCT/EP2018/077947)
[87] (WO2019/076772)
[30] DE (10 2017 124 616.9) 2017-10-20

[21] **3,079,484**
[13] A1
[51] **Int.Cl. B29C 70/88 (2006.01) B29D 99/00 (2010.01) B29C 70/86 (2006.01) F03D 1/06 (2006.01)**
[25] EN
[54] **A WIND TURBINE BLADE COMPRISING A ROOT END STRUCTURE WITH AN ADAPTIVE POSITIONING OF THE PULTRUDED ELEMENT**
[54] **PALE D'EOLIENNE COMPRENANT UNE STRUCTURE D'EMPLANTURE A POSITIONNEMENT ADAPTATIF DE L'ELEMENT PULTRUDE**
[72] LEHMANN MADSEN, KRISTIAN, DK
[72] BARSLEV, HENRIK, DK
[72] MOLLER, THOMAS, DK
[71] LM WIND POWER INTERNATIONAL TECHNOLOGY II APS, DK
[85] 2020-04-17
[86] 2018-10-18 (PCT/EP2018/078519)
[87] (WO2019/077027)
[30] EP (17197093.2) 2017-10-18

[21] **3,079,487**
[13] A1
[51] **Int.Cl. B01J 23/83 (2006.01) B01J 8/18 (2006.01) B01J 35/02 (2006.01) B01J 35/10 (2006.01) B01J 37/02 (2006.01) B01J 37/03 (2006.01) B01J 37/08 (2006.01) B01J 37/18 (2006.01) C07C 1/04 (2006.01) C07C 9/04 (2006.01)**
[25] FR
[54] **METHOD FOR CONVERTING A GAS COMPRISING CARBON MONOXIDE INTO METHANE BY MEANS OF A CATALYTIC MATERIAL CONTAINING PRASEODYMIUM AND NICKEL ON ALUMINA**
[54] **PROCEDE DE CONVERSION D'UN GAZ COMPORTANT DU MONOXYDE DE CARBONE EN METHANE A L'AIDE D'UN MATERIAU CATALYTIQUE CONTENANT DU PRASEODYME ET DU NICKEL SUR ALUMINE**
[72] LAHOUGUE, ARNAUD, FR
[72] ROHART, EMMANUEL, FR
[72] GICQUEL, GAELLE, FR
[72] CAPELA, SANDRA, FR
[72] KARA, YILMAZ, FR
[72] FORTIN, STEPHANE, FR
[72] DE SAINT JEAN, MYRIAM, FR
[71] ENGIE, FR
[71] ENERCAT, FR
[85] 2020-04-17
[86] 2018-10-22 (PCT/FR2018/052619)
[87] (WO2019/077288)
[30] FR (1759927) 2017-10-20

[21] **3,079,496**
[13] A1
[51] **Int.Cl. A61K 31/197 (2006.01) A61K 33/06 (2006.01) A61K 33/24 (2019.01) A61K 33/26 (2006.01) A61K 33/30 (2006.01) A61K 33/34 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01) A61K 47/12 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR ENHANCING ANTITUMOR EFFECT BY IMMUNE CHECKPOINT INHIBITOR**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE RENFORCEMENT D'UN EFFET ANTITUMORAL PAR UN INHIBITEUR DES POINTS DE CONTROLE IMMUNITAIRE**
[72] TANAKA, TOHRU, JP
[72] ITO, HIDENORI, JP
[72] RII, KO, JP
[71] SBI PHARMACEUTICALS CO., LTD., JP
[71] NATIONAL CENTER FOR CHILD HEALTH AND DEVELOPMENT, JP
[85] 2020-04-17
[86] 2018-11-28 (PCT/JP2018/043704)
[87] (WO2019/107389)
[30] JP (2017-231449) 2017-12-01

[21] **3,079,500**
[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/545 (2015.01) A61P 19/04 (2006.01)**
[25] EN
[54] **PLURIPOTENT STEM CELLS INDUCING OSTEOCHONDRAL REPAIR**
[54] **CELLULES SOUCHES PLURIPOTENTES INDUISANT UNE REPARATION OSTEOCHONDRALE**
[72] KAMEI, NAOSUKE, JP
[72] DEZAWA, MARI, JP
[72] OCHI, MITSUO, JP
[71] HIROSHIMA UNIVERSITY, JP
[71] TOHOKU UNIVERSITY, JP
[85] 2020-04-17
[86] 2018-10-17 (PCT/JP2018/038687)
[87] (WO2019/078262)
[30] US (62/573,500) 2017-10-17

[21] **3,079,511**
[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/02 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **AREA MANAGEMENT OF TISSUE SITES ON ARTICULATING JOINTS**
[54] **PRISE EN CHARGE DE LA SURFACE DE SITES TISSULAIRES SUR DES ARTICULATIONS**
[72] KAZALA, RICHARD MARVIN, US
[72] RANDOLPH, LARRY TAB, US
[72] PERKINS, LUKE, US
[72] SANDOVAL, ENRIQUE L., US
[71] KCI LICENSING INC., US
[85] 2020-04-17
[86] 2018-10-22 (PCT/US2018/056837)
[87] (WO2019/083872)
[30] US (62/575,961) 2017-10-23

[21] **3,079,513**
[13] A1
[51] **Int.Cl. A61K 31/341 (2006.01) A61P 9/00 (2006.01) A61P 9/06 (2006.01)**
[25] EN
[54] **TREATMENT OF CARDIAC DYSFUNCTION**
[54] **TRAITEMENT DES DYSFONCTIONNEMENTS CARDIAQUES**
[72] MISSLING, CHRISTOPHER U., US
[71] ANAVEX LIFE SCIENCES CORP., US
[85] 2020-04-17
[86] 2018-10-22 (PCT/US2018/056876)
[87] (WO2019/079794)
[30] US (62/574,913) 2017-10-20

[21] **3,079,514**
[13] A1
[51] **Int.Cl. B09B 1/00 (2006.01) E02D 31/00 (2006.01)**
[25] EN
[54] **METHOD AND REAGENT SYSTEM FOR REMEDIATING MINE WASTE AND OTHER SOLID WASTE CONTAMINATED WITH HEAVY METALS**
[54] **PROCEDE ET SYSTEME DE REACTIFS POUR LA REHABILITATION DE DECHETS MINIERS ET D'AUTRES DECHETS SOLIDES CONTAMINES PAR DES METAUX LOURDS**
[72] YOST, KARL WILLIAM, US
[71] HMR SOLUTIONS, INC., US
[85] 2020-04-17
[86] 2018-10-22 (PCT/US2018/056945)
[87] (WO2019/079820)
[30] US (62/575,290) 2017-10-20

[21] **3,079,515**
[13] A1
[51] **Int.Cl. H01R 12/58 (2011.01) H01R 4/50 (2006.01) H01R 13/20 (2006.01) H05K 3/40 (2006.01)**
[25] EN
[54] **ELECTRICAL TERMINAL HAVING A CAGE CLAMP FOR WIRE TERMINATION**
[54] **BORNE ELECTRIQUE AYANT UNE PINCE DE CAGE POUR TERMINAISON DE FIL**
[72] SEBERGER, STEPHEN GEORGE, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2020-04-17
[86] 2018-10-24 (PCT/US2018/057387)
[87] (WO2019/084191)
[30] US (15/792,543) 2017-10-24

[21] **3,079,516**
[13] A1
[51] **Int.Cl. C23C 22/10 (2006.01) C23C 22/08 (2006.01) C23C 22/33 (2006.01)**
[25] EN
[54] **PROCESS AND COMPOSITION FOR TREATING METAL SURFACES USING TRIVALENT CHROMIUM COMPOUNDS**
[54] **PROCEDE ET COMPOSITION POUR TRAITER DES SURFACES METALLIQUES A L'AIDE DE COMPOSES DE CHROME TRIVALENT**
[72] RIVERA, JOSE B., US
[72] HANNA, CODY, US
[71] BULK CHEMICALS, INC., US
[85] 2020-04-17
[86] 2018-10-25 (PCT/US2018/057533)
[87] (WO2019/089347)
[30] US (62/578,787) 2017-10-30

[21] **3,079,517**
[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01) C08K 5/15 (2006.01)**
[25] EN
[54] **POLYOLEFIN POLYMERS WITH INCREASED MELT STRENGTH**
[54] **POLYMERES DE POLYOLEFINE AYANT UNE RESISTANCE ACCRUE A L'ETAT FONDU**
[72] MONTOYA, AMAIA, US
[72] ZHONG, JING, US
[71] W.R. GRACE & CO.-CONN., US
[85] 2020-04-17
[86] 2018-10-26 (PCT/US2018/057644)
[87] (WO2019/084360)
[30] US (62/578,162) 2017-10-27

[21] **3,079,520**
[13] A1
[51] **Int.Cl. B23P 11/00 (2006.01) B21D 39/04 (2006.01) B21K 25/00 (2006.01) B60G 21/05 (2006.01) F16B 17/00 (2006.01) F16D 1/072 (2006.01)**
[25] EN
[54] **HEAVY-DUTY CONNECTIONS E.G. FOR AXLE/SUSPENSION SYSTEMS**
[54] **LIAISONS A USAGE INTENSIF, PAR EXEMPLE DESTINEES A DES SYSTEMES D'ESSIEU/SUSPENSION**
[72] MACKEN, SHAUN, GB
[72] BABU, SATHYA, GB
[72] WILSON, NATHAN, GB
[71] HENDRICKSON UNITED KINGDOM LTD, GB
[85] 2020-04-17
[86] 2018-10-23 (PCT/EP2018/079042)
[87] (WO2019/081512)
[30] GB (1717371.7) 2017-10-23

[21] **3,079,524**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MIRNA MOLECULE, EQUIVALENT, ANTAGOMIR, OR SOURCE THEREOF FOR TREATING AND/OR DIAGNOSING A CONDITION AND/OR A DISEASE ASSOCIATED WITH NEURONAL DEFICIENCY OR FOR NEURONAL (RE)GENERATION**
[54] **MOLECULE DE MICRO-ARN, EQUIVALENT, ANTAGOMIR, OU SOURCE DE CETTE MOLECULE POUR LE TRAITEMENT ET/OU LE DIAGNOSTIC D'UNE AFFECTION ET/OU D'UNE MALADIE ASSOCIEE A UNE DEFICIENCE NEURONALE OU POUR LA (RE)GENERATION NEURONALE**
[72] VAN BATTUM, ELJO Y., FR
[72] VANGOOR, VAMSHI R., NL
[72] DERIJCK, ALWIN A.H.A, NL
[72] SCHAAPVELD, ROELAND QUIRINUS JOZEF, NL
[72] PASTERKAMP, R. JEROEN, NL
[71] INTERNA TECHNOLOGIES B.V., NL
[85] 2020-04-17
[86] 2018-11-02 (PCT/EP2018/080007)
[87] (WO2019/086603)

[21] **3,079,530**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/192 (2006.01) A61K 47/40 (2006.01)**
[25] EN
[54] **STABLE LIQUID COMPOSITION OF KETOPROFEN, SALTS AND ENANTIOMERS THEREOF**
[54] **COMPOSITION LIQUIDE STABLE DE KETOPROFENE, SELS ET ENANTIOMERES DE CELUI-CI**
[72] D'AMICO, DANILO, IT
[72] MARCHITTO, LEONARDO, IT
[72] RAGNI, LORELLA, IT
[72] DONATI, LUCA, IT
[72] RUSSO, VINCENZO, IT
[71] AZIENDE CHIMICHE RIUNITE ANGELINI FRANCESCO A.C.R.A.F. S.P.A., IT
[85] 2020-04-17
[86] 2018-11-28 (PCT/EP2018/082754)
[87] (WO2019/105957)
[30] EP (17204585.8) 2017-11-30

[21] **3,079,531**
[13] A1
[51] **Int.Cl. A61B 17/80 (2006.01) A61B 17/17 (2006.01)**
[25] EN
[54] **THORACIC PLATE IMPLANTS AND METHODS OF USE**
[54] **IMPLANTS PLAQUES THORACIQUES ET PROCEDES D'UTILISATION**
[72] GARCIA, SADDY, US
[72] GARFIELD, JAYDEN, US
[72] TESTON, KEVIN LEE, US
[72] MAXSON, WILLIAM, US
[71] ZIMMER BIOMET CMF AND THORACIC, LLC, US
[85] 2020-04-17
[86] 2018-11-07 (PCT/US2018/059606)
[87] (WO2019/094455)
[30] US (62/585,050) 2017-11-13

[21] **3,079,532**
[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **SELF-GRIPPING HERNIA PROSTHESIS**
[54] **PROTHESE DE HERNIE AUTO-AGRIPPANTE**
[72] FELIX, AUGUSTUS, US
[72] ROTHBERG, MATTHEW, US
[72] CAULDWELL, NATHAN STEWART, US
[72] KIPYEGO, EVANS, US
[72] RATHBUN, TAMI L., US
[72] KONIECZNY, AMANDA, US
[72] PAUL, JOSEPH, US
[72] RANSDEN, JEFFREY E., US
[71] C.R.BARD, INC., US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056696)
[87] (WO2019/079709)
[30] US (62/574,525) 2017-10-19

[21] **3,079,535**
[13] A1
[51] **Int.Cl. A23F 3/14 (2006.01) A23L 2/44 (2006.01) A23L 2/60 (2006.01)**
[25] EN
[54] **MOUTHFEEL MODULATION IN REDUCED AND SUGAR-FREE BEVERAGES USING A BLEND OF PECTIN AND XANTHAN GUM**
[54] **MODULATION DE LA SENSATION EN BOUCHE DE BOISSONS SANS SUCRE ET A TENEUR REDUITE EN SUCRES A L'AIDE D'UN MELANGE DE PECTINE ET DE GOMME XANTHANE**
[72] BRIJWANI, KHUSHAL, US
[72] MUTILANGI, WILLIAM, US
[71] PEPSICO, INC., US
[85] 2020-04-17
[86] 2018-11-07 (PCT/US2018/059682)
[87] (WO2019/094508)
[30] US (15/807,294) 2017-11-08

[21] **3,079,541**
[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 39/00 (2006.01) C07K 16/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **SOLID DELIVERY COMPOSITION**
[54] **COMPOSITION D'ADMINISTRATION SOLIDE**
[72] LONGO, LUIGI MARIA, IT
[72] MACELLONI, CRISTINA, IT
[72] ROSSI, SILVIA, IT
[72] FERRARI, FRANCA, IT
[71] COSMO TECHNOLOGIES LTD., IE
[85] 2020-04-17
[86] 2018-12-20 (PCT/EP2018/086429)
[87] (WO2019/122258)
[30] EP (17210110.7) 2017-12-22

[21] **3,079,544**
[13] A1
[51] **Int.Cl. A61K 38/28 (2006.01) A61K 9/00 (2006.01) A61K 47/36 (2006.01) C07K 14/62 (2006.01)**
[25] EN
[54] **TOPICAL COMPOSITION FOR IMPROVED HEALING OF OPEN WOUNDS**
[54] **COMPOSITION A USAGE TOPIQUE POUR LA CICATRISATION AMELIOREE DES PLAIES OUVERTES**
[72] BUICE, MONA E., US
[72] SAILORS, DAVID M., US
[72] WOODY, JONATHAN, US
[72] WOOD, JAMES LOUIS, US
[72] GREESON, JOSHUA Z., US
[71] BUICE, MONA E., US
[71] SAILORS, DAVID M., US
[71] WOODY, JONATHAN, US
[71] WOOD, JAMES LOUIS, US
[71] GREESON, JOSHUA Z., US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056697)
[87] (WO2019/079710)
[30] US (62/574,481) 2017-10-19
[30] US (62/678,574) 2018-05-31

[21] **3,079,545**
[13] A1
[51] **Int.Cl. C07D 473/00 (2006.01) A61K 31/517 (2006.01) A61K 31/52 (2006.01) A61P 35/00 (2006.01) C07D 473/34 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SELECTIVE INHIBITORS OF PROTEIN ARGININE METHYLTRANSFERASE 5 (PRMT5)**
[54] **INHIBITEURS SELECTIFS DE LA PROTEINE ARGININE METHYLTRANSFERASE 5 (PRMT5)**
[72] LUENGO, JUAN, US
[72] LIN, HONG, US
[72] HAWKINS, MICHAEL, US
[71] PRELUDE THERAPEUTICS, INCORPORATED, US
[85] 2020-04-17
[86] 2018-10-26 (PCT/US2018/057813)
[87] (WO2019/084470)

[21] **3,079,548**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **METHODS AND TOOLS FOR A/B TESTING LOGIC ON EMAILS**
[54] **PROCEDES ET OUTILS POUR UNE LOGIQUE DE TEST A/B SUR DES COURRIERS ELECTRONIQUES**
[72] DUQUETTE, TIMOTHY, US
[72] GUY, DANIEL, US
[72] GRAVENDEEL, LEENDERT-HENK, US
[71] CLUTCH HOLDINGS, LLC, US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056698)
[87] (WO2019/079711)
[30] US (62/574,238) 2017-10-19

[21] **3,079,549**
[13] A1
[51] **Int.Cl. A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/14 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANT PROMOTER FOR TRANSGENE EXPRESSION**
[54] **PROMOTEUR VEGETAL POUR L'EXPRESSION TRANSGENIQUE**
[72] SIDORENKO, LYUDMILA, US
[72] LARSEN, CORY M., US
[72] ANTHONY, GENY, US
[72] SRIRAM, SHREEDHARAN, US
[72] BUTLER, HOLLY JEAN, US
[72] SIMS, LYNNE E., US
[72] DIEHN, SCOTT H., US
[72] RAUSCHER, GILDA M., US
[72] RIPP, KEVIN G., US
[72] MEYER, KNUT, US
[71] DOW AGROSCIENCES LLC, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2020-04-17
[86] 2018-10-29 (PCT/US2018/057904)
[87] (WO2019/089402)
[30] US (62/578,658) 2017-10-30
[30] US (62/727,007) 2018-09-05

[21] **3,079,553**
[13] A1
[51] **Int.Cl. C12N 15/864 (2006.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AGE-RELATED MACULAR DEGENERATION**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE LIEE A L'AGE**
[72] MCLAUGHLIN, JAMES, US
[72] KOIRALA, ADARSHA, US
[71] GEMINI THERAPEUTICS, INC., US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056709)
[87] (WO2019/079718)
[30] US (62/574,814) 2017-10-20

[21] **3,079,556**
[13] A1
[51] **Int.Cl. C12P 7/64 (2006.01) C10M 105/38 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING ESTERS AND BIOLUBRICANTS, CATALYSED BY FERMENTED SOLID**
[54] **PROCEDE DE PRODUCTION D'ESTERS ET DE BIOLUBRIFIANTS, CATALYSE PAR UN SOLIDE FERMENTE**
[72] CAVALCANTI DA SILVA, JOSE ANDRE, BR
[72] GUERRA, GUILHERME BRANDAO, BR
[72] GUIMARAES FREIRE, DENISE MARIA, BR
[72] GONCALVES AGUIEIRAS, ERIKA CRISTINA, BR
[72] CAVALCANTI OLIVEIRA, ELISA D'AVILA, BR
[72] GRECO DUARTE, JAQUELINE, BR
[72] IGNACIO, KASSIA LEONE, BR
[72] SOARES, VALERIA FERREIRA, BR
[72] DA SILVA, PRISCILA RUFINO, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[71] UNIVERSIDADE FEDERAL DO RIO DE JANEIRO - UFRJ, BR
[85] 2020-04-17
[86] 2018-10-11 (PCT/GB2018/052915)
[87] (WO2019/077313)
[30] BR (10 2017 022583-6) 2017-10-20

[21] **3,079,558**
[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/4178 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **DANTROLENE PRODRUGS AND METHODS OF THEIR USE**
[54] **PROMEDICAMENTS DE DANTROLENE ET LEURS PROCEDES D'UTILISATION**
[72] WESCOTT, CHARLES, US
[72] HEPNER, ADRIAN, US
[72] LARSON, ALYSSA, US
[71] EAGLE RESEARCH LABS LIMITED, MT
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056713)
[87] (WO2019/079721)
[30] US (62/575,124) 2017-10-20
[30] US (62/674,422) 2018-05-21

[21] **3,079,560**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENHANCING SAFETY OF PSYCHEDELIC DRUG THERAPIES**
[54] **PROCEDES ET SYSTEMES D'AMELIORATION DE LA SECURITE DES PHARMACOTHERAPIES PSYCHEDELIQUES**
[72] RAZ, SHLOMI, US
[72] FAMILY, NEILOUFAR, US
[71] ELEUSIS BENEFIT CORPORATION, PBC, US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056746)
[87] (WO2019/079742)
[30] US (62/574,307) 2017-10-19

[21] **3,079,562**
[13] A1
[51] **Int.Cl. A01N 63/00 (2020.01) A23K 10/16 (2016.01) A23K 10/18 (2016.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING ENSILED PLANT MATERIALS USING MEGASPHAERA ELSDENII**
[54] **PROCEDES DE PRODUCTION DE MATIERES VEGETALES ENSILEES A L'AIDE DE MEGASPHAERA ELSDENII**
[72] DROUILLARD, JAMES SCOTT, US
[72] MILLER, KEVIN ALAN, US
[72] APERCE, CELINE CAROLINE, US
[72] HORNE, TAYLOR MARIE, US
[72] ELLERMAN, TARA JO, US
[72] HERREN, GINA RAE, US
[71] MS BIOTECH, INC., US
[71] KANSAS STATE UNIVERSITY RESEARCH FOUNDATION, US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056777)
[87] (WO2019/079764)
[30] US (62/575,229) 2017-10-20

[21] **3,079,563**
[13] A1
[51] **Int.Cl. G06F 3/023 (2006.01) G06F 3/033 (2013.01) G06F 3/038 (2013.01)**
[25] FR
[54] **SYSTEM AND METHOD FOR SIMULTANEOUSLY MANAGING A PLURALITY OF DESIGNATION PERIPHERALS**
[54] **SYSTEME ET PROCEDE POUR LA GESTION SIMULTANEE D'UNE PLURALITE DE PERIPHERIQUES DE DESIGNATION**
[72] CASTET, JULIEN, FR
[72] SEMELLE, LOIC, FR
[72] KERVEGANT, CEDRIC, FR
[71] IMMERSION, FR
[85] 2020-04-17
[86] 2018-10-19 (PCT/EP2018/078792)
[87] (WO2019/077142)
[30] FR (1759852) 2017-10-19

[21] **3,079,567**
[13] A1
[51] **Int.Cl. A61K 31/454 (2006.01) A61K 9/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **LENALIDOMIDE IMMEDIATE RELEASE FORMULATIONS**
[54] **FORMULATIONS A LIBERATION IMMEDIATE DE LENALIDOMIDE**
[72] ZABUDKIN, OLEKSANDR, DE
[72] MATHA, VLADIMIR, CZ
[72] MATVIIENKO, IAROSLAV, DE
[71] SYNBIAS PHARMA AG, CH
[85] 2020-04-19
[86] 2018-10-26 (PCT/EP2018/079480)
[87] (WO2019/081749)
[30] US (62/577,302) 2017-10-26

[21] **3,079,574**
[13] A1
[51] **Int.Cl. A61K 9/51 (2006.01) A61K 31/337 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEMS AND METHODS COMPRISING POLYSIALIC ACID AND/OR OTHER POLYMERS**
[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION D'UN MEDICAMENT COMPRENANT DE L'ACIDE POLYSIALIQUE ET/OU D'AUTRES POLYMERES**
[72] ALONSO FERNANDEZ, MARIA JOSE, ES
[72] TEIJEIRO OSORIO, DESIREE, ES
[72] TEIJEIRO VALINO, CARMEN MARIA, ES
[72] CADETE PIRES, ANA, ES
[71] UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, ES
[85] 2020-04-17
[86] 2018-11-02 (PCT/EP2018/080050)
[87] (WO2019/086627)
[30] ES (P201731277) 2017-11-02

[21] **3,079,575**
[13] A1
[51] **Int.Cl. F16L 1/028 (2006.01) E02F 5/00 (2006.01) E02F 5/02 (2006.01) F16L 1/06 (2006.01) F16L 1/16 (2006.01) F16L 1/26 (2006.01) H02G 9/02 (2006.01)**
[25] EN
[54] **DE-TRENCHING APPARATUS**
[54] **APPAREIL D'EXCAVATION DE TRANCHEE**
[72] ZYMELKA, ANTONY, GB
[71] ZYTECH LTD, GB
[85] 2020-04-17
[86] 2018-10-25 (PCT/GB2018/053091)
[87] (WO2019/081938)

[21] **3,079,576**
[13] A1
[51] **Int.Cl. F41H 9/06 (2006.01) F41H 3/00 (2006.01) F42B 12/48 (2006.01) F42B 12/70 (2006.01)**
[25] EN
[54] **MASKING MATERIAL AND USE OF THE MATERIAL TO MASK A TARGET AND AMMUNITIONFOR DISSEMINATING SUCH MASKING MATERIAL**
[54] **MATERIAU DE MASQUAGE ET UTILISATION DU MATERIAU POUR MASQUAGE D'UN OBJECTIF ET MUNITION PERMETTANT DE DISPERSER UN TEL MATERIAU DE MASQUAGE**
[72] PERROT, NICOLAS, BE
[71] MECAR, SOCIETE ANONYME, BE
[85] 2020-04-17
[86] 2018-09-14 (PCT/IB2018/057034)
[87] (WO2019/081993)
[30] BE (2017/5755) 2017-10-23

[21] **3,079,603**
[13] A1
[51] **Int.Cl. B26D 7/26 (2006.01) B26D 1/00 (2006.01) B26D 1/36 (2006.01) B26D 3/26 (2006.01) B26D 3/28 (2006.01)**
[25] EN
[54] **KNIFE ASSEMBLIES AND CUTTING APPARATUSES COMPRISING THE SAME**
[54] **ENSEMBLES COUTEAUX ET APPAREILS DE COUPE COMPRENANT CEUX-CI**
[72] GEREG, DUSTIN JOSEPH, US
[71] URSCHEL LABORATORIES, INC., US
[85] 2020-04-08
[86] 2018-11-13 (PCT/US2018/060596)
[87] (WO2019/094878)
[30] US (62/584,245) 2017-11-10

[21] **3,079,604**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/155 (2006.01)**
[25] EN
[54] **CONFORMATIONAL EPITOPES IN RESPIRATORY SYNCYTIAL VIRUS G PROTEIN CENTRAL CONSERVED REGION**
[54] **EPITOPES CONFORMATIONNELS DANS UNE REGION CONSERVEE CENTRALE DE PROTEINE G DU VIRUS RESPIRATOIRE SYNCYTIAL**
[72] DUBOIS, REBECCA, US
[72] FEDECHKIN, STAS, US
[72] KAUVAR, LAWRENCE M., US
[71] TRELLIS BIOSCIENCE, LLC, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-04-09
[86] 2018-10-12 (PCT/US2018/055711)
[87] (WO2019/075400)
[30] US (62/572,271) 2017-10-13
[30] US (62/588,022) 2017-11-17
[30] US (62/633,999) 2018-02-22

[21] **3,079,605**
[13] A1
[51] **Int.Cl. H01M 8/00 (2016.01) H01M 8/0202 (2016.01) H01M 8/023 (2016.01) H01M 8/08 (2016.01) H01M 8/18 (2006.01)**
[25] EN
[54] **ANION EXCHANGE MEMBRANES FOR REDOX FLOW BATTERIES**
[54] **MEMBRANES ECHANGEUSES D'ANIONS POUR BATTERIES A FLUX REDOX**
[72] GU, GEORGE Y., US
[72] HADJIKYRIACOU, SAVVAS, US
[72] DUKES, SIMON PAUL, US
[72] SHAW, MICHAEL J., US
[71] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2020-04-16
[86] 2018-12-13 (PCT/US2018/065332)
[87] (WO2019/118662)
[30] US (62/598,135) 2017-12-13
[30] US (62/625,368) 2018-02-02

[21] **3,079,606**
[13] A1
[51] **Int.Cl. B64D 37/00 (2006.01) B64D 37/32 (2006.01)**
[25] EN
[54] **FUEL PUMP MANAGEMENT SYSTEM AND METHOD OF OPERATING A FUEL PUMP MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE POMPE A CARBURANT ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE GESTION DE POMPE A CARBURANT**
[72] FURGIUELE, VINCENZO, CA
[71] BOMBARDIER INC., CA
[85] 2020-04-16
[86] 2018-10-18 (PCT/CA2018/051311)
[87] (WO2019/075566)
[30] US (62/574,385) 2017-10-19

[21] **3,079,607**
[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) C07D 409/12 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **BENZIMIDAZOLE-INDOLE INHIBITORS OF MNK1 AND MNK2**
[54] **INHIBITEURS DE BENZIMIDAZOLE-INDOLE DE MNK1 ET MNK2**
[72] ERNST, JUSTIN T., US
[72] REICH, SIEGFRIED H., US
[72] SPRENGELER, PAUL A., US
[72] XIANG, ALAN X., US
[71] EFFECTOR THERAPEUTICS, INC., US
[85] 2020-04-16
[86] 2018-10-17 (PCT/US2018/056183)
[87] (WO2019/079369)
[30] US (62/574,432) 2017-10-19

[21] **3,079,608**
[13] A1
[51] **Int.Cl. A61F 2/44 (2006.01)**
[25] EN
[54] **POROUS IMPLANTABLE INTERBODY DEVICES**
[54] **DISPOSITIFS INTERSOMATIQUES IMPLANTABLES POREUX**
[72] PARRY, JOHN, US
[72] MCQUAIDE, ANDREW, US
[72] TAPPER, KEVIN, US
[71] CENTINEL SPINE, LLC, US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056782)
[87] (WO2019/079768)
[30] US (62/575,071) 2017-10-20

[21] **3,079,609**
[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01) G01R 31/392 (2019.01)**
[25] EN
[54] **USER INTERFACE FOR A BATTERY TESTER**
[54] **INTERFACE UTILISATEUR POUR UN VERIFICATEUR DE BATTERIE**
[72] FRIGO, CLARE, US
[72] GOSPODAREK, DALE, US
[72] ROBERTS, JULIE, US
[72] FRIAS, ITZIAR, US
[72] CHERRY, KENNETH B., US
[72] SCHECK, DAVID, US
[72] SALO, ANDREW J., III, US
[72] SPANG, SARAH, US
[72] SWEENEY, RYAN, US
[71] CPS TECHNOLOGY HOLDINGS LLC, US
[85] 2020-04-16
[86] 2018-10-23 (PCT/US2018/057140)
[87] (WO2019/084031)
[30] US (62/575,960) 2017-10-23
[30] US (62/578,974) 2017-10-30

[21] **3,079,610**
[13] A1
[51] **Int.Cl. A61H 9/00 (2006.01)**
[25] EN
[54] **CUFF FOR RECEIVING AT LEAST PART OF AN OUTER EXTREMITY OF A PERSON**
[54] **MANCHETTE D'ACCUEIL D'AU MOINS UNE PARTIE D'UNE EXTREMITE EXTERIEURE D'UNE PERSONNE**
[72] KONIG, ALEXANDER, DE
[72] SCHLAFER, RAMONA SUSANNA, DE
[72] KOSTLMEIER, MANFRED, DE
[71] REACTIVE ROBOTICS GMBH, DE
[85] 2020-04-20
[86] 2019-01-28 (PCT/DE2019/100088)
[87] (WO2019/149316)
[30] DE (10 2018 102 107.0) 2018-01-31

[21] **3,079,611**
[13] A1
[51] **Int.Cl. G02F 1/09 (2006.01) G01S 17/89 (2020.01)**
[25] EN
[54] **OPTICAL CIRCULATOR**
[54] **CIRCULATEUR OPTIQUE**
[72] DIAZ, FERNANDO, AU
[71] BARAJA PTY LTD, AU
[85] 2020-04-20
[86] 2018-10-31 (PCT/AU2018/051175)
[87] (WO2019/084610)
[30] AU (2017904450) 2017-11-01
[30] AU (2018902139) 2018-06-15

[21] **3,079,612**
[13] A1
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 14/745 (2006.01)**
[25] EN
[54] **USE OF SPECIFIC SIRNA AGAINST PROTEIN S FOR THE TREATMENT OF HEMOPHILIA**
[54] **UTILISATION D'ARNSI SPECIFIQUES CONTRE LA PROTEINE S POUR LE TRAITEMENT DE L'HEMOPHILIE**
[72] PRINCE EL ADNANI, RAJA, CH
[72] ANGELILLO-SCHERRER, ANNE, CH
[71] UNIVERSITAT BERN, CH
[85] 2020-04-20
[86] 2017-11-02 (PCT/EP2017/078107)
[87] (WO2019/086117)
[30] EP (PCT/EP2017/077986) 2017-11-01

[21] **3,079,613**
[13] A1
[51] **Int.Cl. B01J 19/00 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **HEATED NANOWELLS FOR POLYNUCLEOTIDE SYNTHESIS**
[54] **NANO-PUITS CHAUFFES POUR LA SYNTHESE DE POLYNUCLEOTIDES**
[72] MARSH, EUGENE P., US
[72] INDERMUHLE, PIERRE F., US
[72] PECK, BILL JAMES, US
[71] TWIST BIOSCIENCE CORPORATION, US
[85] 2020-04-17
[86] 2018-10-19 (PCT/US2018/056783)
[87] (WO2019/079769)
[30] US (62/575,287) 2017-10-20

[21] **3,079,614**
[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01)**
[25] EN
[54] **HAPTIC INTERACTION METHOD, TOOL AND SYSTEM**
[54] **PROCEDE, OUTIL ET SYSTEME D'INTERACTION HAPTIQUE**
[72] TROTTA, PAOLO, IT
[71] TROTTA, PAOLO, IT
[85] 2020-04-20
[86] 2017-12-21 (PCT/EP2017/084170)
[87] (WO2018/122107)
[30] EP (16206902.5) 2016-12-26
[30] US (15/669,857) 2017-08-04

[21] **3,079,615**
[13] A1
[51] **Int.Cl. H01H 33/666 (2006.01) H02H 3/06 (2006.01) H02H 3/07 (2006.01) H02H 3/093 (2006.01)**
[25] EN
[54] **SINGLE-PHASE EQUIPOTENTIAL SELF-POWERED LOW-COST EASY-TO-INSTALL RECLOSER**
[54] **REENCLENCHEUR MONOPHASE, EQUIPOTENTIEL, AUTO-ALIMENTE, DE FAIBLE COUT ET D'INSTALLATION FACILE**
[72] LELLIS JUNIOR, CELSO GARCIA, BR
[72] PAES DE OLIVEIRA, AYRES ANTONIO, BR
[71] ENERGISA S/A, BR
[85] 2020-04-20
[86] 2019-06-07 (PCT/BR2019/050215)
[87] (WO2020/037385)
[30] BR (BR 10 2018 016974 2) 2018-08-20

[21] **3,079,616**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) B65D 65/00 (2006.01)**
[25] EN
[54] **LAMINATE STRUCTURE FOR BARRIER PACKAGING**
[54] **STRUCTURE STRATIFIEE DESTINEE A UN EMBALLAGE BARRIERE**
[72] BLOK, JAKOB ROBERT, CH
[72] VON KIRCHBACH, HANS PAUL HENNING, NL
[72] KARSTEN, PETRUS JOHANNES ANTONIUS, NL
[71] RENOLIT SE, DE
[85] 2020-04-20
[86] 2018-10-04 (PCT/EP2018/077009)
[87] (WO2019/081175)
[30] EP (17198034.5) 2017-10-24

[21] **3,079,617**
[13] A1
[51] **Int.Cl. C07D 209/52 (2006.01) A61P 25/16 (2006.01) C07D 403/12 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **ANTAGONISTS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4**
[54] **ANTAGONISTES DU RECEPTEUR MUSCARINIQUE DE L'ACETYLCHOLINE M4**
[72] LINDSLEY, CRAIG W., US
[72] CONN, P. JEFFREY, US
[72] ENGERS, DARREN W., US
[72] ENGERS, JULIE L., US
[72] TEMPLE, KAYLA J., US
[72] BENDER, AARON M., US
[72] BAKER, LOGAN A., US
[71] VANDERBILT UNIVERSITY, US
[85] 2020-04-17
[86] 2018-10-20 (PCT/US2018/056803)
[87] (WO2019/079783)
[30] US (62/574,912) 2017-10-20

[21] **3,079,618**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) B65D 65/00 (2006.01)**
[25] EN
[54] **LAMINATE STRUCTURE FOR BIOCOMPATIBLE BARRIER PACKAGING**
[54] **STRUCTURE STRATIFIEE POUR EMBALLAGE BARRIERE BIOCOMPATIBLE**
[72] BLOK, JAKOB ROBERT, CH
[72] VON KIRCHBACH, HANS PAUL HENNING, NL
[72] KARSTEN, PETRUS JOHANNES ANTONIUS, NL
[71] RENOLIT SE, DE
[85] 2020-04-20
[86] 2018-10-04 (PCT/EP2018/077012)
[87] (WO2019/081176)
[30] EP (17198039.4) 2017-10-24

[21] **3,079,619**
[13] A1
[51] **Int.Cl. A23B 4/14 (2006.01) A23B 4/16 (2006.01) A23B 4/18 (2006.01) A23B 4/20 (2006.01) A23B 4/24 (2006.01) A61L 2/16 (2006.01) B02B 1/00 (2006.01)**
[25] EN
[54] **A TEMPERING COMPOSITION FOR TEMPERING GRAIN AND CONTROLLING PATHOGENS IN AND/OR ON SAID GRAIN, AN OXIDIZING COMPOSITION FOR PREPARING SAID TEMPERING COMPOSITION, A USE OF SAID TEMPERING COMPOSITION AND A METHOD OF USE OF SAID TEMPERING COMPOSITION**
[54] **COMPOSITION DE FRASAGE DESTINEE AU FRASAGE DE CEREALES ET A LA LUTTE CONTRE DES PATHOGENES DANS ET/OU SUR LESDITES CEREALES, COMPOSITION OXYDANTE DESTINEE A LA PREPARATION DE LADITE COMPOSITION DE FRASAGE, UTILISATION DE LADITE COMPOSITION DE FRASAGE ET PROCEDE D'UTILISATION DE LADITE COMPOSITION DE FRASAGE**
[72] DAGHER, FADI, CA
[72] DILLON, NICHOLAS, CA
[72] WONG, ROBERT, CA
[72] HYLTON, REBECCA, CA
[72] HAMIDI, AMIR, CA
[71] AGRI-NEO INC., CA
[85] 2020-04-20
[86] 2018-10-18 (PCT/CA2018/051310)
[87] (WO2019/075565)
[30] US (62/575,074) 2017-10-20

[21] **3,079,620**
[13] A1
[51] **Int.Cl. A61K 9/107 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/50 (2006.01) A61K 31/192 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **SELF-EMULSIFYING COMPOSITIONS OF WEAKLY IONIZABLE OR NON-IONIZABLE ACTIVE PHARMACEUTICAL INGREDIENTS**
[54] **COMPOSITIONS AUTO-EMULSIFIANTES D'INGREDIENTS PHARMACEUTIQUES ACTIFS FAIBLEMENT IONISABLES OU NON IONISABLES**
[72] NIKOLAKAKIS, IOANNIS, GR
[71] VIANEX S.A., GR
[85] 2020-04-20
[86] 2018-10-05 (PCT/EP2018/077141)
[87] (WO2019/068871)
[30] EP (17386032.1) 2017-10-05

[21] **3,079,621**
[13] A1
[51] **Int.Cl. A61B 7/04 (2006.01)**
[25] EN
[54] **CORONARY ARTERY DISEASE DETECTION SIGNAL PROCESSING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE SIGNAL DE DETECTION DE CORONAROPATHIE**
[72] ZENG, JIKANG, CA
[72] ISLAM, MD SHAHIDUL, CA
[72] ZHOU, JUN, CA
[72] LABONTE, DANIEL, CA
[72] MARTIN, SIMON, CA
[72] LASKA, BRADY, CA
[72] TELENKOV, SERGEY A., CA
[71] AUSCULSCIENCES, INC., US
[85] 2020-04-17
[86] 2018-10-22 (PCT/US2018/056832)
[87] (WO2019/079785)
[30] US (62/575,364) 2017-10-20

[21] **3,079,622**
[13] A1
[51] **Int.Cl. B62M 1/10 (2010.01) B60B 1/00 (2006.01) B60B 27/02 (2006.01) F16D 3/62 (2006.01)**
[25] EN
[54] **AN ENERGY TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT D'ENERGIE**
[72] CHAN, KAM SING, IE
[71] SUPER WHEEL SYSTEM LTD, IE
[85] 2020-04-20
[86] 2018-10-25 (PCT/EP2018/079328)
[87] (WO2019/081664)
[30] GB (1717612.4) 2017-10-26

[21] **3,079,623**
[13] A1
[51] **Int.Cl. A24F 40/42 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **A CARTRIDGE FOR AN AEROSOL PROVISION DEVICE**
[54] **CARTOUCHE POUR UN DISPOSITIF DE DISTRIBUTION D'AEROSOL**
[72] POTTER, MARK, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-24 (PCT/EP2018/079136)
[87] (WO2019/081568)
[30] GB (1717496.2) 2017-10-24

[21] **3,079,624**
[13] A1
[51] **Int.Cl. E01B 27/16 (2006.01) E01B 35/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MONITORING THE LOADING OF A TAMPING UNIT**
[54] **PROCEDE ET SYSTEME POUR LA SURVEILLANCE DE LA SOLLICITATION D'UN APPAREIL DE BOURRAGE**
[72] MAIER, BERNHARD, AT
[72] PUCHMAYR, ALEXANDER, AT
[72] MAX-THEURER, JOHANNES, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GMBH, AT
[85] 2020-04-20
[86] 2018-11-09 (PCT/EP2018/080719)
[87] (WO2019/110239)
[30] AT (A 472/2017) 2017-12-07

[21] **3,079,625**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) G06N 20/00 (2019.01) A61B 5/024 (2006.01) A61B 5/145 (2006.01) A61B 5/16 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CAMERA-BASED STRESS DETERMINATION**
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE STRESS BASES SUR UNE CAMERA**
[72] LEE, KANG, CA
[72] ZHENG, PU, CA
[72] WU, SI, CA
[71] NURALOGIX CORPORATION, CA
[85] 2020-04-20
[86] 2018-10-24 (PCT/CA2018/051346)
[87] (WO2019/079896)
[30] US (62/576,384) 2017-10-24

[21] **3,079,626**
[13] A1
[51] **Int.Cl. A24F 7/02 (2006.01) A24F 47/00 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **A MOUTHPIECE ASSEMBLY**
[54] **ENSEMBLE EMBOUT BUCCAL**
[72] POTTER, MARK, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-24 (PCT/EP2018/079137)
[87] (WO2019/081569)
[30] GB (1717497.0) 2017-10-24

[21] **3,079,627**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A61K 35/745 (2015.01) A23L 33/135 (2016.01) A61K 9/19 (2006.01) A61P 1/04 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL ORAL FORMULATION COMPRISING BACTERIA**
[54] **FORMULATION PHARMACEUTIQUE ORALE COMPRENANT DES BACTERIES**
[72] SCHWINTNER, CAROLE, FR
[72] ROBIN, MARIANNE, FR
[72] DUBUISSON, JEAN-FRANCOIS, FR
[72] AFFAGARD, HERVE, FR
[72] MICHENET, CEDRIC, FR
[72] BARDY, AMANDINE, FR
[71] MAAT PHARMA, FR
[71] BIOCODEX, FR
[85] 2020-04-20
[86] 2018-11-16 (PCT/EP2018/081650)
[87] (WO2019/097030)
[30] EP (17306602.8) 2017-11-17

[21] **3,079,628**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/416 (2006.01) A61K 31/428 (2006.01) A61K 31/454 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS**
[54] **COMPOSES ET COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES HEMATOLOGIQUES**
[72] BOOHER, ROBERT, US
[71] CURIS, INC., US
[85] 2020-04-17
[86] 2018-10-30 (PCT/US2018/058194)
[87] (WO2019/089580)
[30] US (62/579,502) 2017-10-31

[21] **3,079,629**
[13] A1
[51] **Int.Cl. A24F 40/30 (2020.01) A61M 11/04 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **AEROSOL PROVISION DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL**
[72] YILMAZ, UGURHAN, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-24 (PCT/EP2018/079139)
[87] (WO2019/081571)
[30] GB (1717498.8) 2017-10-24

[21] **3,079,630**
[13] A1
[51] **Int.Cl. B23G 1/34 (2006.01) B23C 5/20 (2006.01) B23C 5/28 (2006.01) B23G 5/00 (2006.01) B23G 5/18 (2006.01)**
[25] EN
[54] **WHIRLING TOOL**
[54] **OUTIL DE FILETAGE A LA VOLEE**
[72] KANNWISCHER, MARKUS, DE
[71] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE
[85] 2020-04-20
[86] 2018-11-20 (PCT/EP2018/081882)
[87] (WO2019/097074)
[30] DE (10 2017 127 307.7) 2017-11-20

[21] **3,079,631**
[13] A1
[51] **Int.Cl. B23B 31/11 (2006.01) B23C 5/10 (2006.01)**
[25] EN
[54] **TOOL FOR MACHINING A WORKPIECE**
[54] **OUTIL D'USINAGE D'UNE PIECE PAR ENLEVEMENT DE COPEAUX**
[72] KANNWISCHER, MARKUS, DE
[71] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE
[85] 2020-04-20
[86] 2018-11-23 (PCT/EP2018/082408)
[87] (WO2019/101943)
[30] DE (10 2017 127 814.1) 2017-11-24

[21] **3,079,632**
[13] A1
[51] **Int.Cl. C12N 9/10 (2006.01)**
[25] EN
[54] **SUCROSE PHOSPHORYLASE**
[54] **SACCHAROSE PHOSPHORYLASE**
[72] FELLER, CLAUDIA, DE
[72] BRUCHER, BIRGIT, DE
[72] VOGEL, ANDREAS, DE
[71] C-LECTA GMBH, DE
[71] NEW MATTERHORN, LLC, US
[85] 2020-04-20
[86] 2018-11-28 (PCT/EP2018/082854)
[87] (WO2019/106018)
[30] EP (17204146.9) 2017-11-28

[21] **3,079,633**
[13] A1
[51] **Int.Cl. A24D 3/04 (2006.01) A24D 3/06 (2006.01)**
[25] EN
[54] **A FILTER FOR A SMOKING ARTICLE OR AN AEROSOL GENERATING PRODUCT**
[54] **FILTRE DESTINE A UN ARTICLE A FUMER OU A UN PRODUIT DE GENERATION D'AEROSOL**
[72] DIMMICK, BARRY, GB
[72] GRISHCHENKO, ANDREI, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-20
[86] 2018-09-27 (PCT/GB2018/052754)
[87] (WO2019/081881)
[30] GB (1717567.0) 2017-10-25

[21] **3,079,634**
[13] A1
[51] **Int.Cl. H01H 71/02 (2006.01)**
[25] EN
[54] **FIXING AND UNLOCKING MECHANISM FOR PLUG-IN TYPE CIRCUIT BREAKER**
[54] **MECANISME DE FIXATION ET DE DEVERROUILLAGE POUR DISJONCTEUR DE TYPE ENFICHABLE**
[72] PAN, WANJUN, CN
[72] YANG, YANQUN, CN
[71] SHANGHAI LIANGXIN ELECTRICAL CO., LTD, CN
[85] 2020-04-20
[86] 2018-10-17 (PCT/CN2018/110715)
[87] (WO2019/080761)
[30] CN (201711022048.2) 2017-10-26

[21] **3,079,635**
[13] A1
[51] **Int.Cl. E02F 3/36 (2006.01)**
[25] FR
[54] **DEVICE FOR AUTOMATIC CONNECTION BETWEEN A TOOL AND A TOOL HOLDER OF A CONSTRUCTION OR PUBLIC WORKS MACHINE**
[54] **DISPOSITIF DE CONNEXION AUTOMATIQUE ENTRE UN OUTIL ET UN PORTE-OUTIL D'ENGIN DE CHANTIER OU DE TRAVAUX PUBLICS**
[72] MARCHETTA, HENRI, FR
[72] BONI, MAXIME, FR
[72] PUTOD, NICOLAS, FR
[71] GROUPE MECALAC, FR
[85] 2020-04-20
[86] 2018-10-10 (PCT/FR2018/052512)
[87] (WO2019/081831)
[30] FR (1760095) 2017-10-26

[21] **3,079,636**
[13] A1
[51] **Int.Cl. A47J 37/07 (2006.01)**
[25] EN
[54] **GRILLING DEVICE WITH PRESSURISED AIR SUPPLY**
[54] **DISPOSITIF DE GRILLADE DOTE D'UNE ALIMENTATION EN AIR SOUS PRESSION**
[72] CADBURY, GEORGE JUSTIN PETER, GB
[72] O'ROURKE, SAM, GB
[71] ACTIVE FOOD SYSTEMS LIMITED, GB
[85] 2020-04-20
[86] 2018-10-17 (PCT/GB2018/052986)
[87] (WO2019/081887)
[30] GB (1717556.3) 2017-10-25

[21] **3,079,637**
[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 31/519 (2006.01) A61P 11/00 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **TREATMENT OF RSV WITH COMBINATION PRODUCT**
[54] **TRAITEMENT DU VRS AVEC UNE ASSOCIATION MEDICAMENTEUSE**
[72] YSEBAERT, NINA, BE
[72] GOEYVAERTS, NELE ISA E., BE
[72] ROYMANS, DIRK ANDRE EMMY, BE
[72] KOUL, ANIL, BE
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
[85] 2020-04-20
[86] 2018-12-04 (PCT/EP2018/083440)
[87] (WO2019/110563)
[30] EP (17205428.0) 2017-12-05

[21] **3,079,638**
[13] A1
[51] **Int.Cl. F28F 1/40 (2006.01) C10G 9/20 (2006.01)**
[25] EN
[54] **HEAT TRANSFER ENHANCEMENT PIPE AS WELL AS CRACKING FURNACE AND ATMOSPHERIC AND VACUUM HEATING FURNACE INCLUDING THE SAME**
[54] **TUYAU DE TRANSFERT DE CHALEUR AMELIORE, AINSI QUE FOUR A PYROLYSE ET FOUR DE CHAUFFAGE ATMOSPHERIQUE ET SOUS VIDE COMPRENANT CELUI-CI**
[72] WANG, GUOQING, CN
[72] LIU, JUNJIE, CN
[72] ZHANG, LIJUN, CN
[72] ZHOU, CONG, CN
[72] ZHANG, ZHAOBIN, CN
[72] YANG, SHASHA, CN
[72] SHEN, DONGFA, CN
[72] LI, XIAOFENG, CN
[72] YANG, SHIFANG, CN
[72] DU, ZHIGUO, CN
[72] ZHANG, YONGGANG, CN
[72] SHI, YING, CN
[72] GUO, JINGHANG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2020-04-20
[86] 2018-10-25 (PCT/CN2018/111795)
[87] (WO2019/080885)
[30] CN (201711029500.8) 2017-10-27
[30] CN (201711023424.X) 2017-10-27
[30] CN (201711056794.3) 2017-10-27
[30] CN (201711027588.X) 2017-10-27
[30] CN (201711057043.3) 2017-10-27

[21] **3,079,639**
[13] A1
[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/34 (2006.01) C01B 3/38 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A HYDROGEN-CONTAINING SYNTHESIS GAS**
[54] **PROCEDE POUR LA PRODUCTION D'UN GAZ DE SYNTHESE CONTENANT DE L'HYDROGENE**
[72] OSTUNI, RAFFAELE, CH
[72] FILIPPI, ERMANNO, CH
[71] CASALE SA, CH
[85] 2020-04-20
[86] 2018-12-05 (PCT/EP2018/083580)
[87] (WO2019/120999)
[30] EP (17209315.5) 2017-12-21

[21] **3,079,640**
[13] A1
[51] **Int.Cl. G10L 21/0316 (2013.01) G10L 21/0364 (2013.01)**
[25] EN
[54] **AUDIO SIGNAL**
[54] **SIGNAL AUDIO**
[72] COOKE, MICHAEL, GB
[71] PLEASE HOLD (UK) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-19 (PCT/GB2018/053041)
[87] (WO2019/077373)
[30] GB (1717281.8) 2017-10-20

[21] **3,079,641**
[13] A1
[51] **Int.Cl. F01D 11/24 (2006.01) F02C 7/18 (2006.01)**
[25] FR
[54] **RETENTION DEVICE FOR A COOLING TUBE FOR A TURBOMACHINE CASE**
[54] **DISPOSITIF DE MAINTIEN D'UN TUBE DE REFROIDISSEMENT POUR CARTER DE TURBOMACHINE**
[72] DURAND, DIDIER NOEL, FR
[72] DELAPORTE, NICOLAS, FR
[72] BEGUIN, ANTHONY PIERRE, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2020-04-20
[86] 2018-10-25 (PCT/FR2018/052655)
[87] (WO2019/081861)
[30] FR (1760145) 2017-10-27

[21] **3,079,642**
[13] A1
[51] **Int.Cl. G10L 21/12 (2013.01)**
[25] EN
[54] **IDENTIFIER**
[54] **IDENTIFICATEUR**
[72] LAFFERTY, DANIEL PATRICK, GB
[71] PLEASE HOLD (UK) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-19 (PCT/GB2018/053042)
[87] (WO2019/077374)
[30] GB (1717279.2) 2017-10-20

[21] **3,079,643**
[13] A1
[51] **Int.Cl. B01D 25/164 (2006.01) B01D 25/19 (2006.01)**
[25] EN
[54] **FILTER PRESS AND METHOD FOR SEPARATING THE SOLID COMPONENTS FROM THE LIQUID COMPONENTS OF A SLURRY**
[54] **FILTRE-PRESSE ET PROCEDE POUR SEPARER LES COMPOSANTS SOLIDES DES COMPOSANTS LIQUIDE D'UNE SUSPENSION**
[72] GRONVALL, LARS, SE
[71] METSO SWEDEN AB, SE
[85] 2020-04-08
[86] 2018-10-18 (PCT/EP2018/078590)
[87] (WO2019/077055)

[21] **3,079,644**
[13] A1
[51] **Int.Cl. A24D 3/06 (2006.01) A24B 15/28 (2006.01) A24D 3/04 (2006.01)**
[25] EN
[54] **A FILTER FOR A SMOKING ARTICLE OR AN AEROSOL GENERATING PRODUCT**
[54] **FILTRE POUR ARTICLE A FUMER OU POUR PRODUIT DE GENERATION D'AEROSOL**
[72] MIAH, REZAUL, GB
[72] YANEZ, IGNACIO SUAREZ, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2020-04-20
[86] 2018-10-23 (PCT/GB2018/053051)
[87] (WO2019/081905)
[30] GB (1717569.6) 2017-10-25

[21] **3,079,645**
[13] A1
[51] **Int.Cl. A61K 38/12 (2006.01) A61P 1/16 (2006.01) A61P 9/10 (2006.01) A61P 13/00 (2006.01) A61P 39/00 (2006.01)**
[25] FR
[54] **NOVEL CYTOPROTECTIVE DRUGS**
[54] **NOUVEAUX MEDICAMENTS CYTOPROTECTEURS**
[72] BERNA, PATRICK, FR
[72] THOMAS, MERYL, FR
[72] ANTETOMASO, GWENAELLE, FR
[71] BALMES TRANSPLANTATION, FR
[85] 2020-04-20
[86] 2018-11-16 (PCT/FR2018/052890)
[87] (WO2019/097187)
[30] FR (1760882) 2017-11-17

[21] **3,079,647**
[13] A1
[51] **Int.Cl. F28F 1/40 (2006.01) C10G 9/20 (2006.01)**
[25] EN
[54] **HEAT TRANSFER ENHANCEMENT PIPE AS WELL AS CRACKING FURNACE AND ATMOSPHERIC AND VACUUM HEATING FURNACE INCLUDING THE SAME**
[54] **TUYAU DE TRANSFERT DE CHALEUR AMELIORE, AINSI QUE FOUR A PYROLYSE ET FOUR DE CHAUFFAGE ATMOSPHERIQUE ET SOUS VIDE COMPRENANT CELUI-CI**
[72] WANG, GUOQING, CN
[72] LIU, JUNJIE, CN
[72] ZHANG, LIJUN, CN
[72] ZHOU, CONG, CN
[72] ZHANG, ZHAOBIN, CN
[72] YANG, SHASHA, CN
[72] SHEN, DONGFA, CN
[72] LI, XIAOFENG, CN
[72] YANG, SHIFANG, CN
[72] DU, ZHIGUO, CN
[72] ZHANG, YONGGANG, CN
[72] SHI, YING, CN
[72] GUO, JINGHANG, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[85] 2020-04-20
[86] 2018-10-25 (PCT/CN2018/111797)
[87] (WO2019/080886)
[30] CN (201711029500.8) 2017-10-27
[30] CN (201711023424.X) 2017-10-27
[30] CN (201711056794.3) 2017-10-27
[30] CN (201711027588.X) 2017-10-27
[30] CN (201711057043.3) 2017-10-27

[21] **3,079,648**
[13] A1
[51] **Int.Cl. A01K 23/00 (2006.01)**
[25] EN
[54] **BAG FOR REMOVING AND CLEANING UP DOG EXCREMENT**
[54] **SAC POUR L'ENLEVEMENT ET LE NETTOYAGE DES DEFECATIONS CANINES**
[72] GOMEZ HINOJOSA, JOSE ANTONIO, ES
[71] GOMEZ HINOJOSA, JOSE ANTONIO, ES
[85] 2020-04-20
[86] 2018-10-17 (PCT/ES2018/070672)
[87] (WO2019/081791)
[30] ES (U201731301) 2017-10-27

[21] **3,079,649**
[13] A1
[51] **Int.Cl. C12N 5/077 (2010.01) C12N 5/0775 (2010.01)**
[25] EN
[54] **MACROCARRIER**
[54] **MACROSUPPORT**
[72] NGUYEN, THUY BA LINH, GB
[72] YE, HUA, GB
[72] CUI, ZHANFENG, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2020-04-20
[86] 2018-11-09 (PCT/GB2018/053249)
[87] (WO2019/092434)
[30] GB (1718556.2) 2017-11-09

[21] **3,079,650**
[13] A1
[51] **Int.Cl. E21B 19/08 (2006.01) E21B 15/00 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **SEQUENCING FOR PIPE HANDLING**
[54] **SEQUENCAGE POUR MANIPULATION DE TUBE**
[72] ALVAER, JAN, NO
[72] NILSSEN, CHRISTIAN DOENNESTAD, NO
[72] BERRY, JOE RODNEY, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2020-04-08
[86] 2018-10-10 (PCT/US2018/055136)
[87] (WO2019/075003)
[30] US (62/570,519) 2017-10-10
[30] US (16/016,709) 2018-06-25

[21] **3,079,651**
[13] A1
[51] **Int.Cl. A41D 13/00 (2006.01) A41D 27/00 (2006.01) A61F 7/00 (2006.01) F16F 9/04 (2006.01) F41H 1/02 (2006.01)**
[25] EN
[54] **HEAT TRANSFER VEST WITH HOOK AND LOOP SECUREMENT**
[54] **GILET DE TRANSFERT DE CHALEUR AVEC FIXATION PAR CROCHETS ET BOUCLES**
[72] KILBEY, BRYAN E., US
[71] KILBEY, BRYAN E., US
[85] 2020-04-20
[86] 2017-08-29 (PCT/US2017/048982)
[87] (WO2019/013831)
[30] US (15/645,206) 2017-07-10

[21] **3,079,652**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-VISTA ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-VISTA ET SON UTILISATION**
[72] LEE, YOUNGAE, KR
[72] BYUN, SANG SOON, KR
[72] HA, JUNG MIN, KR
[72] AHN, SUNGHO, KR
[72] OH, KEUNHEE, KR
[72] LEE, WEON SUP, KR
[72] PARK, MI JU, KR
[72] LEE, EUN HEE, KR
[72] KIM, DO-YUN, KR
[72] YOO, JIN-SAN, KR
[71] PHARMABCINE INC., KR
[85] 2020-04-20
[86] 2018-10-22 (PCT/KR2018/012494)
[87] (WO2019/078699)
[30] KR (10-2017-0136632) 2017-10-20

[21] **3,079,653**
[13] A1
[51] **Int.Cl. A01N 47/36 (2006.01) A01N 37/46 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **PESTICIDE COMPOSITION CONTAINING THIDIAZURON AND POLYGLUTAMIC ACID**
[54] **COMPOSITION PESTICIDE CONTENANT DU FLUMORPH ET DU CUIVRE ORGANIQUE**
[72] ZHONG, HANGEN, CN
[72] JI, HONGJIN, CN
[72] ZHANG, MING, CN
[71] JIANGSU HUIFENG BIO AGRICULTURE CO., LTD., CN
[85] 2020-04-08
[86] 2018-09-10 (PCT/CN2018/104849)
[87] (WO2019/072061)
[30] CN (201710929416.5) 2017-10-09

[21] **3,079,654**
[13] A1
[51] **Int.Cl. G01V 5/00 (2006.01) G01V 5/12 (2006.01)**
[25] EN
[54] **GAMMA RAY TOMOGRAPHIC RADIOGRAPHY**
[54] **RADIOGRAPHIE TOMOGRAPHIQUE PAR RAYONS GAMMA**
[72] CONNELL, SIMON HENRY, ZA
[72] COOK, MARTIN NKULULEKO HOGAN, ZA
[71] UNIVERSITY OF JOHANNESBURG, ZA
[85] 2020-04-17
[86] 2018-10-19 (PCT/IB2018/058162)
[87] (WO2019/077580)
[30] ZA (2017/07077) 2017-10-19

[21] **3,079,655**
[13] A1
[51] **Int.Cl. C08G 61/12 (2006.01) H01G 11/48 (2013.01) C09D 11/52 (2014.01)**
[25] EN
[54] **AQUEOUS COMPOSITION COMPRISING A CONDUCTIVE POLYMER AND USE THEREOF**
[54] **COMPOSITION AQUEUSE COMPRENANT UN POLYMERE CONDUCTEUR, ET SON UTILISATION**
[72] CORSO, GIANNI, IT
[71] ENI S.P.A., IT
[85] 2020-04-17
[86] 2018-10-24 (PCT/IB2018/058286)
[87] (WO2019/082088)
[30] IT (102017000121038) 2017-10-25

[21] **3,079,656**
[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01)**
[25] EN
[54] **LOCALIZATION DETERMINATION FOR VEHICLE OPERATION**
[54] **DETERMINATION D'EMPLACEMENT POUR UN FONCTIONNEMENT DE VEHICULE**
[72] NASHED, SAMER, US
[72] ILSTRUP, DAVID, US
[71] NISSAN NORTH AMERICA, INC., US
[85] 2020-04-20
[86] 2017-10-24 (PCT/US2017/058081)
[87] (WO2019/083513)

[21] **3,079,657**
[13] A1
[51] **Int.Cl. G06N 7/00 (2006.01) G06Q 30/02 (2012.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **STATISTICAL MODEL FOR MAKING LENDING DECISIONS**
[54] **MODELE STATISTIQUE PERMETTANT DE PRENDRE DES DECISIONS DE PRET**
[72] WAY, STEVE, US
[72] MORALES, BEN, US
[72] TINSLEY, HEIDI, US
[72] BAUMGARTNER, MARK, US
[71] QCASH FINANCIAL, LLC, US
[85] 2020-04-08
[86] 2018-10-12 (PCT/US2018/055727)
[87] (WO2019/075412)
[30] US (15/783,944) 2017-10-13

[21] **3,079,658**
[13] A1
[51] **Int.Cl. C07H 1/02 (2006.01) C07H 19/20 (2006.01) C07H 19/213 (2006.01)**
[25] EN
[54] **EFFICIENT METHOD FOR THE PREPARATION OF CANGRELOR**
[54] **PROCEDE EFFICACE DE PREPARATION DE CANGRELOR**
[72] BONANOMI, JACOPO, IT
[72] BERTOLOTTI, MATTIA, IT
[72] NOVO, BARBARA, IT
[71] OLON S.P.A., IT
[85] 2020-04-17
[86] 2018-10-29 (PCT/IB2018/058442)
[87] (WO2019/092546)

[21] **3,079,659**
[13] A1
[51] **Int.Cl. F16J 15/50 (2006.01) B60J 10/24 (2016.01) B60J 10/00 (2016.01) B60P 3/34 (2006.01) B60R 13/06 (2006.01) B62D 63/08 (2006.01) F16J 15/02 (2006.01)**
[25] EN
[54] **COMBINATION SPLASH SEAL AND WEAR BAR**
[54] **COMBINAISON DE JOINT ANTI-ECLABOUSSURE ET DE BARRE D'USURE**
[72] KSIEZOPOLSKI, EDWIN E., US
[72] KSIEZOPOLSKI, KEVIN J., US
[71] LIFETIME INDUSTRIES, INC., US
[85] 2020-04-20
[86] 2018-05-18 (PCT/US2018/033313)
[87] (WO2019/083562)
[30] US (15/791,288) 2017-10-23

[21] **3,079,660**
[13] A1
[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/57 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING APPARATUS AND METHOD AND PROGRAM FOR ACTUATING THE SAME**
[54] **DISPOSITIF DE GENERATION D'AEROSOL, ET PROCEDE ET PROGRAMME DE FONCTIONNEMENT**
[72] YAMADA, MANABU, JP
[72] AKAO, TAKESHI, JP
[72] MIZUGUCHI, KAZUMA, JP
[72] TSUJI, MASAYUKI, JP
[72] FUJITA, HAJIME, JP
[71] JAPAN TOBACCO INC., JP
[85] 2020-04-20
[86] 2017-10-24 (PCT/JP2017/038297)
[87] (WO2019/082260)

[21] **3,079,661**
[13] A1
[51] **Int.Cl. G01M 1/12 (2006.01) F01D 5/02 (2006.01) F01D 5/30 (2006.01) G01M 1/30 (2006.01)**
[25] EN
[54] **METHOD FOR BALANCING A SET OF BLADES**
[54] **PROCEDE D'EQUILIBRAGE D'UN ENSEMBLE D'AUBES**
[72] MURRY, ANTOINE VICTOR, FR
[72] YAHIA BACHA, MOURAD, FR
[72] LACAILLE, JEROME HENRI NOEL, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2020-04-20
[86] 2018-10-25 (PCT/FR2018/052654)
[87] (WO2019/081860)
[30] FR (1760093) 2017-10-26

[21] **3,079,662**
[13] A1
[51] **Int.Cl. C12N 9/26 (2006.01) C07H 15/24 (2006.01) C12P 19/56 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING TRANSFRUCTOSYLATED STEVIOL GLYCOSIDE USING MICROORGANISM OF GENUS ARTHROBACTER**
[54] **PROCEDE DE PREPARATION DE STEVIOSIDE TRANSFRUCTOSYLE A L'AIDE DE MICROORGANISMES DU GENRE ARTHROBACTER**
[72] YANG, TAE JOO, KR
[72] KANG, IN SUNG, KR
[72] KIM, MINHOE, KR
[72] PARK, SUNGHEE, KR
[72] CHU, SUN, KR
[72] KIM, SEONG BO, KR
[72] LEE, YOUNG MI, KR
[72] LEE, YOUNG SU, KR
[72] CHOI, EUN JUNG, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2020-04-20
[86] 2018-10-25 (PCT/KR2018/012766)
[87] (WO2019/083309)
[30] KR (10-2017-0140846) 2017-10-27

[21] **3,079,663**
[13] A1
[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **CARD ISSUING AND PAYMENT SYSTEM AND METHOD USING MOBILE DEVICE**
[54] **PROCEDE ET SYSTEME DE PAIEMENT ET DE DELIVRANCE DE CARTE**
[72] JEONG, HYE JIN, KR
[71] JEONG, HYE JIN, KR
[85] 2020-04-20
[86] 2018-10-19 (PCT/KR2018/012398)
[87] (WO2019/078667)
[30] KR (10-2017-0136686) 2017-10-20

[21] **3,079,664**
[13] A1
[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **COMMUNICATION ACCESSORY FOR A DRUG DELIVERY DEVICE**
[54] **ACCESSOIRE DE COMMUNICATION POUR UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] GREGORY, CHRISTOPHER, US
[72] JENKINS, GEOFFREY, US
[72] JOHNSON, MATTHEW, US
[71] VALERITAS, INC., US
[85] 2020-04-20
[86] 2018-07-13 (PCT/US2018/042079)
[87] (WO2019/014588)
[30] US (62/532,763) 2017-07-14

[21] **3,079,665**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01) F16J 1/00 (2006.01)**
[25] EN
[54] **PLUNGERS FOR DRUG DELIVERY DEVICES**
[54] **PISTONS POUR DISPOSITIFS D'ADMINISTRATION DE MEDICAMENT**
[72] JAZAYERI, JULIAN, US
[72] FORSTER, RONALD, US
[72] SECKUTE, JOLITA, US
[72] HENDERSON, OLIVIA ALICE, US
[72] BROWN, KRISTEN, US
[72] GORDON, GREGORY, US
[72] OHLENSCHLAGER, RASMUS, DK
[72] KAARE SOELBERG, PETER DAN, DK
[71] AMGEN INC., US
[85] 2020-04-20
[86] 2018-10-09 (PCT/US2018/054904)
[87] (WO2019/094138)
[30] US (62/584,335) 2017-11-10

[21] **3,079,666**
[13] A1
[51] **Int.Cl. F28D 1/03 (2006.01) F28F 3/02 (2006.01) F28F 3/06 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER COMPRISING A STACK OF CELLS**
[54] **ECHANGEUR DE CHALEUR DOTE D'EMPILEMENT DE CELLULES**
[72] KORNILOV, VIKTOR, NL
[72] SMEETS, PAULUS MARIA, NL
[72] VERBAKEL, LUUK, NL
[71] MICRO TURBINE TECHNOLOGY B.V., NL
[85] 2020-04-20
[86] 2018-10-23 (PCT/NL2018/050705)
[87] (WO2019/083361)
[30] NL (2019792) 2017-10-24

[21] **3,079,668**
[13] A1
[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **PAYMENT PROCESSING SERVICE SYSTEM AND METHOD USING USER TERMINAL**
[54] **SYSTEME DE SERVICE DE TRAITEMENT DE PAIEMENT ET PROCEDE METTANT EN □UVRE UN TERMINAL UTILISATEUR**
[72] JEONG, HYE JIN, KR
[71] JEONG, HYE JIN, KR
[85] 2020-04-20
[86] 2018-10-19 (PCT/KR2018/012399)
[87] (WO2019/078668)
[30] KR (10-2017-0136638) 2017-10-20

[21] **3,079,669**
[13] A1
[51] **Int.Cl. H02S 20/20 (2014.01) B60P 1/00 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR INSTALLING PHOTOVOLTAIC SOLAR PANELS IN AN OUTDOOR AREA**
[54] **PROCEDE ET SYSTEME D'INSTALLATION DE PANNEAUX SOLAIRES PHOTOVOLTAIQUES DANS UNE ZONE EXTERIEURE**
[72] DI STEFANO, GIOVANNI, IT
[72] BECCARISI, FRANCESCO, IT
[72] DE GESE, EGIDIO, IT
[71] COMAU S.P.A., IT
[85] 2020-04-17
[86] 2018-11-02 (PCT/IB2018/058621)
[87] (WO2019/097348)

[21] **3,079,670**
[13] A1
[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/6592 (2006.01)**
[25] EN
[54] **POLYETHYLENE COMPOSITIONS AND ARTICLES MADE THEREFROM**
[54] **COMPOSITIONS DE POLYETHYLENE ET ARTICLES FABRIQUES A PARTIR DE CELLES-CI**
[72] LI, DONGMING, US
[72] LUE, CHING-TAI, US
[72] SILVA, ADRIANA S., US
[72] HOLTCAMP, MATTHEW W., US
[72] SANDERS, DAVID F., US
[72] MCCULLOUGH, LAUGHLIN G., US
[72] BEDOYA, MATTHEW S., US
[72] KUPPUSWAMY, SUBRAMANIAM, US
[71] EXXONMOBIL CHEMICAL PATENTS INC., US
[85] 2020-04-20
[86] 2018-08-30 (PCT/US2018/048669)
[87] (WO2019/083609)
[30] US (62/575,818) 2017-10-23
[30] US (62/579,537) 2017-10-31

[21] **3,079,671**
[13] A1
[51] **Int.Cl. C04B 24/24 (2006.01) C04B 24/26 (2006.01) C04B 24/32 (2006.01)**
[25] EN
[54] **METHOD OF REDUCING STICKINESS OF CEMENTITIOUS COMPOSITIONS**
[54] **PROCEDE DE REDUCTION DE L'ADHESIVITE DE COMPOSITIONS CIMENTAIRES**
[72] KUO, LAWRENCE L., US
[72] ZHANG, SHUQIANG, SG
[72] KOYATA, HIDEO, JP
[71] GCP APPLIED TECHNOLOGIES INC., US
[85] 2020-04-20
[86] 2018-10-19 (PCT/US2018/056692)
[87] (WO2019/083838)
[30] US (15/790,857) 2017-10-23

[21] **3,079,672**
[13] A1
[51] **Int.Cl. A61B 3/13 (2006.01) A61F 9/007 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **MULTI-BEAM SPLITTING USING SPATIAL BEAM SEPARATION**
[54] **DIVISION DE FAISCEAU MULTIPLE FAISANT APPEL A LA SEPARATION SPATIALE DE FAISCEAU**
[72] RAPOPORT, TOBIAS JURA, DE
[71] ALCON INC., CH
[85] 2020-04-17
[86] 2018-12-07 (PCT/IB2018/059790)
[87] (WO2019/116190)
[30] US (62/597,652) 2017-12-12

[21] **3,079,673**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/517 (2006.01) A61P 27/02 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **RET9 AND VEGFR2 INHIBITORS**
[54] **INHIBITEURS DE RET9 ET VEGFR2**
[72] NOWAK, PAWEL WOJCIECH, US
[72] ONG, WINSTON ZAPANTA, US
[71] KALA PHARMACEUTICALS, INC., US
[85] 2020-04-20
[86] 2018-10-19 (PCT/US2018/056751)
[87] (WO2019/079747)
[30] US (62/575,280) 2017-10-20

[21] **3,079,674**
[13] A1
[51] **Int.Cl. A61B 7/04 (2006.01)**
[25] EN
[54] **METHOD OF DETECTING NOISE IN AUSCULTATORY SOUND SIGNALS OF A CORONARY-ARTERY-DISEASE DETECTION SYSTEM**
[54] **PROCEDE DE DETECTION DE BRUIT DANS DES SIGNAUX SONORES D'AUSCULTATION D'UN SYSTEME DE DETECTION DE MALADIE ARTERIELLE CORONAIRE**
[72] LASKA, BRADY, CA
[72] ISLAM, MD SHAHIDUL, CA
[72] ZENG, JIKANG, CA
[72] ZHOU, JUN, CA
[72] LABONTE, DANIEL, CA
[72] MARTIN, SIMON, CA
[71] AUSCULSCIENCES, INC., US
[85] 2020-04-20
[86] 2018-10-22 (PCT/US2018/056840)
[87] (WO2019/079786)
[30] US (62/575,383) 2017-10-21

[21] **3,079,675**
[13] A1
[51] **Int.Cl. B23C 5/08 (2006.01) B23C 5/20 (2006.01)**
[25] EN
[54] **ROTARY CUTTING TOOL HAVING DISK-SHAPED CUTTING BODY AND INDEXABLE CUTTING INSERT THEREFOR**
[54] **OUTIL DE COUPE ROTATIF AYANT UN CORPS DE COUPE EN FORME DE DISQUE ET PLAQUETTE DE COUPE INDEXABLE POUR CELUI-CI**
[72] HECHT, GIL, IL
[71] ISCAR LTD., IL
[85] 2020-04-17
[86] 2018-10-18 (PCT/IL2018/051116)
[87] (WO2019/097504)

[21] **3,079,676**
[13] A1
[51] **Int.Cl. G11B 27/031 (2006.01) G01S 3/786 (2006.01) G06K 9/00 (2006.01) G06T 7/20 (2017.01) G11B 27/10 (2006.01) H04N 5/222 (2006.01) H04N 5/225 (2006.01) H04N 5/247 (2006.01) H04N 5/272 (2006.01) H04N 5/33 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MOTION CAPTURE**
[54] **SYSTEMES ET PROCEDES DE CAPTURE DE MOUVEMENT**
[72] ESTEBECORENA, LEANDRO, US
[72] KNOLL, JOHN, US
[72] GRABLI, STEPHANE, US
[72] KARAFELT, PER, GB
[72] HELMAN, PABLO, US
[72] LEVIN, JOHN M., US
[71] LUCASFILM ENTERTAINMENT COMPANY LTD., US
[85] 2020-04-20
[86] 2018-10-19 (PCT/US2018/056762)
[87] (WO2019/079752)
[30] US (62/575,157) 2017-10-20
[30] US (16/102,536) 2018-08-13
[30] US (16/102,556) 2018-08-13

[21] **3,079,677**
[13] A1
[51] **Int.Cl. G05B 19/05 (2006.01) G05B 19/10 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS RELATED TO CONTROLLING MACHINES USING OPERATOR CONTROL UNITS AND PROGRAMMABLE LOGIC CONTROLLERS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES SE RAPPORTANT A LA COMMANDE MACHINES EN UTILISANT DES UNITES DE COMMANDE D'OPERATEUR ET DES ORGANES DE COMMANDE LOGIQUES PROGRAMMABLES**
[72] STAGG, DAVID, US
[71] CATTRON NORTH AMERICA, INC., US
[85] 2020-04-20
[86] 2018-10-18 (PCT/US2018/056455)
[87] (WO2019/079558)
[30] US (15/787,215) 2017-10-18

[21] **3,079,678**
[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/722 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **CANNABIDIOL AND CHITOSAN COMPOSITIONS AND METHODS OF USING THE SAME**
[54] **COMPOSITIONS DE CANNABIDIOL ET DE CHITOSANE ET LEURS PROCEDES D'UTILISATION**
[72] BEN-SHALOM, NOACH, IL
[72] ROBINSON, DROR, IL
[71] MOR RESEARCH APPLICATIONS LTD., IL
[85] 2020-04-17
[86] 2018-10-18 (PCT/IL2018/051119)
[87] (WO2019/077611)
[30] US (62/573,813) 2017-10-18

[21] **3,079,679**
[13] A1
[51] **Int.Cl. B60W 40/02 (2006.01) B60W 30/14 (2006.01) G05D 1/00 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **WAVEGUIDE APPARATUS WITH HIGH SPEED DUAL CHANNEL WIRELESS CONTACTLESS ROTARY JOINT**
[54] **APPAREIL DE GUIDE D'ONDES AVEC RACCORD ROTATIF SANS CONTACT SANS FIL A DOUBLE CANAL A GRANDE VITESSE**
[72] LI, ZHE, US
[72] IZADIAN, JAMAL, US
[72] DROZ, PIERRE-YVES, US
[72] WANG, MIN, US
[71] WAYMO LLC, US
[85] 2020-04-20
[86] 2018-10-22 (PCT/US2018/056889)
[87] (WO2019/079797)
[30] US (15/789,533) 2017-10-20

[21] **3,079,680**
[13] A1
[51] **Int.Cl. A47C 1/032 (2006.01) A47C 1/124 (2006.01)**
[25] EN
[54] **A SEAT MODULE**
[54] **MODULE DE SIEGE**
[72] JARNES, WEBJORN, NO
[71] EKORNES ASA, NO
[85] 2020-04-20
[86] 2018-10-22 (PCT/NO2018/050252)
[87] (WO2019/078731)
[30] NO (20171689) 2017-10-20

[21] **3,079,681**
[13] A1
[51] **Int.Cl. C12N 5/078 (2010.01) C12N 5/0781 (2010.01) C12N 15/90 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO PRODUCE B CELLS GENETICALLY MODIFIED TO EXPRESS SELECTED ANTIBODIES**
[54] **SYSTEMES ET METHODES POUR PRODUIRE DES LYMPHOCYTES B GENETIQUEMENT MODIFIES POUR EXPRIMER DES ANTICORPS SELECTIONNES**
[72] TAYLOR, JUSTIN J., US
[72] MOFFETT, HOWELL F., US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[85] 2020-04-20
[86] 2018-10-19 (PCT/US2018/056789)
[87] (WO2019/079772)
[30] US (62/575,275) 2017-10-20
[30] US (62/580,303) 2017-11-01
[30] US (62/623,371) 2018-01-29

[21] **3,079,682**
[13] A1
[51] **Int.Cl. G01S 5/02 (2010.01) H04W 64/00 (2009.01) G01S 5/14 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A DISTANCE BETWEEN TWO NODES**
[54] **PROCEDE DE DETERMINATION D'UNE DISTANCE ENTRE DEUX N□UDS**
[72] DACKEFJORD, HAKAN, SE
[72] TAWS, WARWICK, SE
[71] NIDA TECH SWEDEN AB, SE
[85] 2020-04-20
[86] 2018-11-13 (PCT/SE2018/051159)
[87] (WO2019/103680)
[30] SE (1751434-0) 2017-11-22

[21] **3,079,683**
[13] A1
[51] **Int.Cl. G01V 1/40 (2006.01)**
[25] EN
[54] **METHOD FOR OPTIMIZING PERFORMANCE OF AN AUTOMATED CONTROL SYSTEM FOR DRILLING**
[54] **PROCEDE D'OPTIMISATION DES PERFORMANCES D'UN SYSTEME DE COMMANDE AUTOMATISE DESTINE AU FORAGE**
[72] OCEGUEDA-HERNANDEZ, FRANCISCO, US
[72] HANFORD, RYAN J., US
[71] NATIONAL OILWELL VARCO, L.P., US
[85] 2020-04-20
[86] 2018-10-19 (PCT/US2018/056791)
[87] (WO2019/079773)
[30] US (62/575,145) 2017-10-20

[21] **3,079,684**
[13] A1
[51] **Int.Cl. B65D 77/20 (2006.01) B23K 26/00 (2014.01) B26F 1/22 (2006.01) B65D 1/30 (2006.01)**
[25] EN
[54] **DUAL FUNCTION PORTION CONTROL CONTAINER AND METHOD OF MAKING THE SAME**
[54] **RECIPIENT DE COMMANDE DE PORTION A DOUBLE FONCTION ET SON PROCEDE DE FABRICATION**
[72] SANFILIPPO, JAMES J., US
[72] SANFILIPPO, JOHN E., US
[72] SKAGGS, JEANNE M., US
[71] SONOCO DEVELOPMENT INC., US
[85] 2020-04-20
[86] 2018-10-18 (PCT/US2018/056500)
[87] (WO2019/079588)
[30] US (62/574,174) 2017-10-18

[21] **3,079,685**
[13] A1
[51] **Int.Cl. A46B 9/02 (2006.01) A46B 13/00 (2006.01) B60S 3/06 (2006.01) A46B 9/00 (2006.01)**
[25] EN
[54] **BRUSH FOR WASHING PLANT**
[54] **BROSSE D'INSTALLATION DE LAVAGE**
[72] FAVAGROSSA, LEONARDO, IT
[71] FAVAGROSSA EDOARDO S.R.L., IT
[85] 2020-04-20
[86] 2018-09-27 (PCT/IB2018/057485)
[87] (WO2019/092515)
[30] IT (102017000128683) 2017-11-10

[21] **3,079,686**
[13] A1
[51] **Int.Cl. A61B 7/04 (2006.01)**
[25] EN
[54] **METHOD OF PREPROCESSING AND SCREENING AUSCULTATORY SOUND SIGNALS**
[54] **PROCEDE DE PRETRAITEMENT ET DE CRIBLAGE DE SIGNAUX SONORES AUSCULTATOIRES**
[72] TELENKOV, SERGEY A., CA
[72] CASTELINO, ROBIN F., CA
[71] AUSCULSCIENCES, INC., US
[85] 2020-04-20
[86] 2018-10-22 (PCT/US2018/056956)
[87] (WO2019/079829)
[30] US (62/575,390) 2017-10-21
[30] US (62/575,397) 2017-10-21
[30] US (62/575,399) 2017-10-21

[21] **3,079,687**
[13] A1
[51] **Int.Cl. C07H 19/00 (2006.01) C07H 21/02 (2006.01) C07H 21/04 (2006.01) C12M 1/00 (2006.01) C12M 1/34 (2006.01) C12N 5/02 (2006.01)**
[25] EN
[54] **SELECTIVE ENRICHMENT OF A POPULATION OF DNA IN A MIXED DNA SAMPLE THROUGH TARGETED SUPPRESSION OF DNA AMPLIFICATION**
[54] **ENRICHISSEMENT SELECTIF D'UNE POPULATION D'ADN DANS UN ECHANTILLON D'ADN MELANGE PAR SUPPRESSION CIBLEE DE L'AMPLIFICATION D'ADN**
[72] TSUI, CHIAHAO, US
[72] ANAHTAR, MELIS N., US
[72] MACLAURIN, DOUGAL, US
[72] HUNTLEY, MIRIAM H., US
[72] BREWSTER, JEFFREY D., US
[71] DAY ZERO DIAGNOSTICS, INC., US
[85] 2020-04-20
[86] 2018-10-18 (PCT/US2018/056598)
[87] (WO2019/079656)
[30] US (62/573,720) 2017-10-18

[21] **3,079,688**
[13] A1
[51] **Int.Cl. A61K 47/32 (2006.01) A61K 41/17 (2020.01) A61K 9/10 (2006.01) A61K 35/08 (2015.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61P 17/02 (2006.01) A61P 17/16 (2006.01) A61Q 17/00 (2006.01)**
[25] EN
[54] **COMPOSITION**
[54] **COMPOSITION**
[72] LAIT, MARK, GB
[71] WATER-JEL EUROPE LLP, GB
[85] 2020-04-20
[86] 2018-10-18 (PCT/IB2018/058089)
[87] (WO2019/077540)
[30] GB (1717224.8) 2017-10-20
[30] GB (1813442.9) 2018-08-17

[21] **3,079,689**
[13] A1
[51] **Int.Cl. A61K 41/00 (2020.01) A61K 9/16 (2006.01) A61L 2/08 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR A POLYESTER STERILIZATION PROCESS**
[54] **METHODE ET DISPOSITIF POUR UN PROCEDE DE STERILISATION DE POLYESTER**
[72] PARENT, EDWARD, US
[72] OBERMEIER, BORIS, DE
[72] LU, JIE, US
[71] EVONIK CORPORATION, US
[85] 2020-04-20
[86] 2018-10-23 (PCT/US2018/057080)
[87] (WO2019/083985)
[30] US (62/575,846) 2017-10-23

[21] **3,079,692**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61B 5/00 (2006.01) A61B 5/20 (2006.01) A61F 2/00 (2006.01) A61F 2/04 (2013.01) A61M 25/01 (2006.01) A61M 39/22 (2006.01) A61M 39/24 (2006.01)**
[25] EN
[54] **INDWELLING CATHETER, CATHETER INTRODUCER MATING DEVICE AND SYSTEM COMPRISING BOTH**
[54] **CATHETER A DEMEURE, DISPOSITIF D'ACCOUPLEMENT D'INTRODUCTEUR DE CATHETER ET SYSTEME COMPRENANT LES DEUX**
[72] HERRERA, DEREK, US
[72] KASALKO, JEFF, US
[71] SPINAL SINGULARITY, INC., US
[85] 2020-03-05
[86] 2018-10-01 (PCT/US2018/053806)
[87] (WO2019/068104)
[30] US (15/721,096) 2017-09-29
[30] US (15/785,405) 2017-10-16
[30] US (15/785,398) 2017-10-16
[30] US (15/785,403) 2017-10-16

[21] **3,079,693**
[13] A1
[51] **Int.Cl. D21H 17/37 (2006.01) D21H 17/16 (2006.01) D21H 17/17 (2006.01) D21H 17/62 (2006.01) D21H 21/10 (2006.01) D21H 21/16 (2006.01) D21H 23/04 (2006.01)**
[25] EN
[54] **A POLYMER PRODUCT FOR IMPROVING RETENTION OF HYDROPHOBIC INTERNAL SIZING AGENTS IN MANUFACTURE OF PAPER OR BOARD**
[54] **PRODUIT POLYMERE DESTINE A AMELIORER LA RETENTION D'AGENTS HYDROPHOBES DE COLLAGE INTERNES DANS LA FABRICATION DE PAPIER OU DE CARTON**
[72] VALKEALAAKSO, TIMO, FI
[72] VANNINEN, SIMO-PEKKA, FI
[72] KARPPI, ASKO, FI
[71] KEMIRA OYJ, FI
[85] 2020-04-08
[86] 2018-10-31 (PCT/FI2018/050792)
[87] (WO2019/086761)
[30] FI (20175969) 2017-11-01

[21] **3,079,694**
[13] A1
[51] **Int.Cl. A61K 31/165 (2006.01) A61K 9/70 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR THE TRANSDERMAL ADMINISTRATION OF GUANFACINE COMPRISING A SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR L'ADMINISTRATION TRANSDERMIQUE DE GUANFACINE COMPRENANT UN POLYMERE HYBRIDE SILICONE-ACRYLIQUE**
[72] EMGENBROICH, MARCO, DE
[72] PRINZ, EVA-MARIE, DE
[72] KLEIN, ELKE, DE
[72] KLUTH, HEIKE, DE
[72] THOMAS, XAVIER, FR
[72] NARTKER, LINDA SUE, US
[71] DOW SILICONES CORPORATION, US
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-04-08
[86] 2018-10-11 (PCT/EP2018/077790)
[87] (WO2019/072996)
[30] US (62/570,748) 2017-10-11
[30] EP (17205538.6) 2017-12-05

[21] **3,079,696**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/165 (2006.01) A61P 9/12 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR THE TRANSDERMAL ADMINISTRATION OF GUANFACINE COMPRISING A SILICONE POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR L'ADMINISTRATION TRANSDERMIQUE DE GUANFACINE COMPRENANT UN POLYMERE DE SILICONE**
[72] EMGENBROICH, MARCO, DE
[72] PRINZ, EVA-MARIE, DE
[72] KLEIN, ELKE, DE
[72] KLUTH, HEIKE, DE
[72] THOMAS, XAVIER, FR
[72] NARTKER, LINDA SUE, US
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[71] DOW SILICONES CORPORATION, US
[85] 2020-04-08
[86] 2018-10-11 (PCT/EP2018/077791)
[87] (WO2019/072997)
[30] US (62/570,746) 2017-10-11
[30] EP (17205543.6) 2017-12-05

[21] **3,079,697**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/165 (2006.01) A61P 9/12 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR THE TRANSDERMAL ADMINISTRATION OF GUANFACINE COMPRISING AT LEAST ONE ADDITIVE**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR L'ADMINISTRATION TRANSDERMIQUE DE GUANFACINE COMPORTANT AU MOINS UN ADDITIF**
[72] EMGENBROICH, MARCO, DE
[72] PRINZ, EVA-MARIE, DE
[72] KLEIN, ELKE, DE
[72] KLUTH, HEIKE, DE
[72] THOMAS, XAVIER, FR
[72] NARTKER, LINDA SUE, US
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[71] DOW SILICONES CORPORATION, US
[85] 2020-04-08
[86] 2018-10-11 (PCT/EP2018/077792)
[87] (WO2019/072998)
[30] US (62/570,745) 2017-10-11
[30] EP (17205546.9) 2017-12-05

[21] **3,079,699**
[13] A1
[51] **Int.Cl. A61B 3/10 (2006.01) G06T 7/11 (2017.01)**
[25] EN
[54] **IMPROVING SEGMENTATION IN OPTICAL COHERENCE TOMOGRAPHY IMAGING**
[54] **AMELIORATION DE LA SEGMENTATION DANS L'IMAGERIE PAR TOMOGRAPHIE EN COHERENCE OPTIQUE**
[72] REN, HUGANG, US
[71] ALCON INC., CH
[85] 2020-04-20
[86] 2018-11-26 (PCT/IB2018/059307)
[87] (WO2019/106519)
[30] US (62/592,497) 2017-11-30

[21] **3,079,702**
[13] A1
[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **PATIENT INTERFACE FOR OPHTHALMIC SURGERY**
[54] **INTERFACE PATIENT POUR CHIRURGIE OPHTALMIQUE**
[72] LOERNER, JOHANNES, DE
[72] RIEDEL, PETER, DE
[71] ALCON INC., CH
[85] 2020-04-20
[86] 2018-12-05 (PCT/IB2018/059684)
[87] (WO2019/116173)
[30] US (62/597,779) 2017-12-12

[21] **3,079,720**
[13] A1
[51] **Int.Cl. C10G 2/00 (2006.01) B01J 7/00 (2006.01) B01J 12/00 (2006.01) C07C 27/14 (2006.01) C10G 1/00 (2006.01)**
[25] EN
[54] **LIQUID FUEL PRODUCTION SYSTEM HAVING PARALLEL PRODUCT GAS GENERATION**
[54] **SYSTEME DE PRODUCTION DE COMBUSTIBLE LIQUIDE AYANT UNE GENERATION DE PRODUIT GAZ PARALLELE**
[72] CHANDRAN, RAVI, US
[72] NEWPORT, DAVE G., US
[72] BURCIAGA, DANIEL A., US
[72] LEO, DANIEL MICHAEL, US
[72] MILLER, JUSTIN KEVIN, US
[72] HARRINGTON, KAITLIN EMILY, US
[72] ATTWOOD, BRIAN CHRISTOPHER, US
[71] THERMOCHEM RECOVERY INTERNATIONAL, INC., US
[85] 2020-04-24
[86] 2018-10-24 (PCT/US2018/057334)
[87] (WO2019/084152)
[30] US (15/791,994) 2017-10-24
[30] US (16/126,207) 2018-09-10

[21] **3,079,723**
[13] A1
[51] **Int.Cl. A61K 47/44 (2017.01) A23L 33/105 (2016.01) A23L 3/34 (2006.01) A23L 3/358 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/352 (2006.01) A61K 47/04 (2006.01) A61K 47/06 (2006.01) C01B 32/152 (2017.01)**
[25] EN
[54] **CANNABINOID FORMULATIONS AND METHODS INCLUDING THE ANTIOXIDANT C60**
[54] **FORMULATIONS DE CANNABINOIDES ET PROCEDES COMPRENANT L'ANTIOXYDANT C60**
[72] RADERMAN, JOSHUA, US
[72] FORTIN, KEVIN, US
[71] RADERMAN, JOSHUA, US
[71] FORTIN, KEVIN, US
[85] 2020-04-15
[86] 2018-10-15 (PCT/US2018/055936)
[87] (WO2019/079208)
[30] US (62/572,748) 2017-10-16

[21] **3,079,724**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS, METHODS AND USES FOR TREATING POST-TRAUMATIC STRESS DISORDER**
[54] **COMPOSITIONS, METHODES ET UTILISATIONS POUR LE TRAITEMENT DU TROUBLE DE STRESS POST-TRAUMATIQUE**
[72] LOVEJOY, DAVID, CA
[72] STEIN, ROBERT, US
[72] SLEE, ANDREW, US
[72] ARMEN, GARO, US
[71] LOVEJOY, DAVID, CA
[71] STEIN, ROBERT, US
[71] SLEE, ANDREW, US
[71] ARMEN, GARO, US
[85] 2020-04-14
[86] 2018-10-12 (PCT/US2018/055732)
[87] (WO2019/075416)
[30] US (62/571,616) 2017-10-12

[21] **3,079,727**
[13] A1
[51] **Int.Cl. A01N 61/00 (2006.01) A61K 31/00 (2006.01) A61K 38/46 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF RARE DISEASES**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE MALADIES RARES**
[72] HOLMES, MICHAEL C., US
[72] RILEY, BRIGIT E., US
[72] WECHSLER, THOMAS, US
[72] ZEITLER, BRYAN, US
[72] ZHANG, LEI, US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2020-04-20
[86] 2018-10-24 (PCT/US2018/057312)
[87] (WO2019/084140)
[30] US (62/576,584) 2017-10-24

[21] **3,079,731**
[13] A1
[51] **Int.Cl. G06F 7/70 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATED USE OF FIELD SENSORS FOR DYNAMIC MANAGEMENT OF IRRIGATION AND CROP INPUTS**
[54] **SYSTEME ET PROCEDE D'UTILISATION INTEGREE DE CAPTEURS DE CHAMP POUR LA GESTION DYNAMIQUE D'ENTREES D'IRRIGATION ET DE CULTURE**
[72] LARUE, JACOB L., US
[71] VALMONT INDUSTRIES, INC., US
[85] 2020-04-20
[86] 2018-10-26 (PCT/US2018/057830)
[87] (WO2019/089390)
[30] US (62/581,136) 2017-11-03

[21] **3,079,732**
[13] A1
[51] **Int.Cl. D21C 3/02 (2006.01) D21C 3/22 (2006.01)**
[25] EN
[54] **PHENOLS AS ADDITIVES IN KRAFT PULPING**
[54] **PHENOLS UTILISES COMME ADDITIFS DANS LA REDUCTION EN PATE KRAFT**
[72] JIANG, ZHIHUA, US
[72] AKSOY, BURAK, US
[71] AUBURN UNIVERSITY, US
[85] 2020-04-08
[86] 2018-10-17 (PCT/US2018/056208)
[87] (WO2019/079388)
[30] US (62/573,510) 2017-10-17

[21] **3,079,746**
[13] A1
[51] **Int.Cl. C10L 5/44 (2006.01) D21B 1/36 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROCESSING LIGNOCELLULOSE MATERIAL**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE MATIERE LIGNOCELLULLOSIQUE**
[72] BJORKLUND, PETER, SE
[72] ERIXON, MATTIAS, SE
[72] LAMBERT, FRANCOIS, SE
[72] AVERHEIM, ANDREAS, SE
[71] VALMET AB, SE
[85] 2020-04-09
[86] 2018-09-21 (PCT/SE2018/050963)
[87] (WO2019/093938)
[30] SE (1751388-8) 2017-11-09

[21] **3,079,747**
[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/725 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DOSING OF ALLOGENEIC CHIMERIC ANTIGEN RECEPTOR T CELLS**
[54] **PROCEDES ET COMPOSITIONS POUR LE DOSAGE DE LYMPHOCYTES T ALLOGENIQUES A RECEPTEUR ANTIGENIQUE CHIMERIQUE**
[72] KONTO, CYRIL ALKIS, US
[72] ZINAI, AMINA, FR
[71] ALLOGENE THERAPEUTICS, INC., US
[71] LES LABORATOIRES SERVIER, FR
[85] 2020-04-20
[86] 2018-10-30 (PCT/US2018/058288)
[87] (WO2019/089650)
[30] US (62/579,426) 2017-10-31
[30] US (62/716,898) 2018-08-09
[30] US (62/750,215) 2018-10-24

[21] **3,079,748**
[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) C12N 15/113 (2010.01) C07K 14/47 (2006.01) C07K 14/715 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **GENETIC MODIFICATION OF CYTOKINE INDUCIBLE SH2-CONTAINING PROTEIN (CISH) GENE**
[54] **MODIFICATION GENETIQUE DE GENE DE PROTEINE CONTENANT SH2 INDUCTIBLE PAR LA CYTOKINE (CISH)**
[72] CONWAY, ANTHONY, US
[72] LEE, GARY K., US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2020-04-20
[86] 2018-11-09 (PCT/US2018/060038)
[87] (WO2019/094725)
[30] US (62/583,724) 2017-11-09
[30] US (62/716,002) 2018-08-08

[21] **3,079,749**
[13] A1
[51] **Int.Cl. F25D 1/00 (2006.01) A47B 88/00 (2017.01) B65D 81/18 (2006.01) F25D 3/00 (2006.01) F25D 3/02 (2006.01) F25D 11/00 (2006.01) F25D 17/00 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROLLED DISPENSE DRAWER**
[54] **TIROIR DE DISTRIBUTION A TEMPERATURE CONTROLEE**
[72] FISHER, HERBERT LAWSON, US
[72] WILSON, EDITH, US
[72] FAMBRO, DEAN, US
[72] ARNOLD, BRIAN, US
[72] BASLER, BRAD, US
[72] KAPADIA, VIHAR, US
[72] BELLIGUNDU, SUNIL, US
[71] OMNICELL, INC., US
[85] 2020-04-20
[86] 2018-11-16 (PCT/US2018/061426)
[87] (WO2019/099767)
[30] US (15/816,775) 2017-11-17
[30] US (16/129,579) 2018-09-12

[21] **3,079,750**
[13] A1
[51] **Int.Cl. C12M 1/36 (2006.01) G16B 5/00 (2019.01)**
[25] EN
[54] **OPTIMIZATION OF ORGANISMS FOR PERFORMANCE IN LARGER-SCALE CONDITIONS BASED ON PERFORMANCE IN SMALLER-SCALE CONDITIONS**
[54] **OPTIMISATION D'ORGANISMES POUR UNE PERFORMANCE DANS DES CONDITIONS A PLUS GRANDE ECHELLE A PARTIR D'UNE PERFORMANCE DANS DES CONDITIONS A PLUS PETITE ECHELLE**
[72] DE KOK, STEFAN, US
[72] ENYEART, PETER, US
[72] HANSEN, RICHARD, US
[72] HAUCK, TRENT, US
[72] SERBER, ZACHARIAH, US
[72] TAYLOR, AMELIA, US
[72] TREYNOR, THOMAS, US
[72] TYNER, KRISTINA, US
[72] LIEDER, SARAH, US
[71] ZYMERGEN INC., US
[85] 2020-04-20
[86] 2018-11-09 (PCT/US2018/060120)
[87] (WO2019/094787)
[30] US (62/583,961) 2017-11-09

[21] **3,079,751**
[13] A1
[51] **Int.Cl. G01N 25/20 (2006.01) G01K 17/00 (2006.01)**
[25] EN
[54] **POLYMERIC NANOPARTICLES COMPRISING BORTEZOMIB**
[54] **NANOPARTICULES POLYMERES COMPRENANT DU BORTEZOMIB**
[72] KHARBANDA, SURENDER, US
[72] SINGH, HARPAL, US
[71] HILLSTREAM BIOPHARMA INC., US
[85] 2020-04-20
[86] 2018-11-20 (PCT/US2018/061944)
[87] (WO2019/104001)
[30] US (62/590,226) 2017-11-22

[21] **3,079,752**
[13] A1
[51] **Int.Cl. G01N 27/22 (2006.01) G01N 27/30 (2006.01)**
[25] EN
[54] **CAPACITANCE SENSING APPARATUS AND METHOD FOR DETECTING GAS-LIQUID TRANSITIONS**
[54] **APPAREIL DE DETECTION DE CAPACITE ET PROCEDE DE DETECTION DE TRANSITIONS GAZ-LIQUIDE**
[72] SHARMA, AKSHAT, US
[72] CORNWELL, PETER CHARLES, US
[72] XIE, RUIHUA, US
[71] FLOWSERVE MANAGEMENT COMPANY, US
[85] 2020-04-20
[86] 2018-11-13 (PCT/US2018/060766)
[87] (WO2019/084573)

[21] **3,079,753**
[13] A1
[51] **Int.Cl. A61L 26/00 (2006.01)**
[25] EN
[54] **WOUND-TREATING ABSORBENT**
[54] **ABSORBANT POUR LE TRAITEMENT DES PLAIES**
[72] KRONGAUZ, VADIM VALERIEVICH, US
[72] XIE, WEI, US
[72] LING, MICHAEL TUNG KIUNG, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2020-04-20
[86] 2018-11-27 (PCT/US2018/062513)
[87] (WO2019/108497)
[30] US (62/591,481) 2017-11-28

[21] **3,079,754**
[13] A1
[51] **Int.Cl. A61G 7/00 (2006.01) A61G 7/10 (2006.01) B65G 9/00 (2006.01) B66D 1/00 (2006.01) B66D 3/00 (2006.01) B66D 5/18 (2006.01) B66D 5/20 (2006.01)**
[25] EN
[54] **A DEVICE FOR BEARING THE WEIGHT OF A LOAD**
[54] **DISPOSITIF POUR SUPPORTER LE POIDS D'UNE CHARGE**
[72] LINDQVIST, ROLAND JOHN, AU
[72] UNDERWOOD, PERRY JOHN, AU
[71] LINDQVIST, ROLAND JOHN, AU
[85] 2020-04-21
[86] 2018-10-24 (PCT/AU2018/051151)
[87] (WO2019/079854)
[30] AU (2017904309) 2017-10-24

[21] **3,079,755**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **ANGELMAN SYNDROME ANTISENSE TREATMENT**
[54] **TRAITEMENT ANTI-SENS DU SYNDROME D'ANGELMAN**
[72] DINDOT, SCOTT VICTOR, US
[71] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2020-04-20
[86] 2018-11-30 (PCT/US2018/063416)
[87] (WO2019/109001)
[30] US (62/593,431) 2017-12-01
[30] US (62/676,034) 2018-05-24

[21] **3,079,756**
[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01)**
[25] EN
[54] **GUIDE DEVICE FOR FIXING AND TRANSFIXING SLIDING BLADES FOR DYNAMIC IMPLANTS**
[54] **DISPOSITIF DE GUIDAGE POUR LA FIXATION ET LA TRANSFIXATION DE LAMES COULISSANTES POUR IMPLANTS DYNAMIQUES**
[72] CAVALI, PAULO TADEU MAIA, BR
[71] CAVALI, PAULO TADEU MAIA, BR
[85] 2020-04-21
[86] 2017-10-24 (PCT/BR2017/000128)
[87] (WO2019/079863)

[21] **3,079,757**
[13] A1
[51] **Int.Cl. H04W 76/10 (2018.01) H04W 28/22 (2009.01) H04W 40/22 (2009.01) H04W 48/10 (2009.01) H04W 72/10 (2009.01) H04L 12/833 (2013.01) H04W 4/48 (2018.01) H04W 4/50 (2018.01) H04B 7/155 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMOTIVE WI-FI ACCESS AND CONNECTION**
[54] **SYSTEME ET PROCEDE D'ACCES ET DE CONNEXION WI-FI D'AUTOMOBILE**
[72] SHEN, XUEMIN, CA
[72] XU, WENCHAO, CA
[72] ZHOU, HAIBO, CA
[72] XU, WENCHAO, CA
[72] ZHOU, HAIBO, CA
[71] SHEN, XUEMIN, CA
[71] XU, WENCHAO, CA
[71] ZHOU, HAIBO, CA
[85] 2020-04-21
[86] 2017-10-31 (PCT/CA2017/051292)
[87] (WO2018/081894)
[30] US (62/496,855) 2016-11-01

[21] **3,079,758**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61M 37/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **SELECTIVE TARGETING OF APOPTOSIS PROTEINS BY STRUCTURALLY-STABILIZED AND/OR CYSTEINE-REACTIVE NOXA PEPTIDES**
[54] **CIBLAGE SELECTIF DES PROTEINES D'APOPTOSE PAR DES PEPTIDES NOXA STRUCTURALEMENT STABILISES ET/OU REACTIFS A LA CYSTEINE**
[72] WALENSKY, LOREN D., US
[72] BIRD, GREGORY H., US
[72] GUERRA, RACHEL, US
[72] HARVEY, EDWARD, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-04-20
[86] 2018-12-13 (PCT/US2018/065438)
[87] (WO2019/118719)
[30] US (62/599,229) 2017-12-15

[21] **3,079,759**
[13] A1
[51] **Int.Cl. B22F 1/00 (2006.01) B82Y 40/00 (2011.01) A61K 49/00 (2006.01) B22F 9/24 (2006.01) C01G 3/00 (2006.01) C01G 5/00 (2006.01) C01G 7/00 (2006.01) C01G 9/00 (2006.01) C01G 11/00 (2006.01) C01G 53/00 (2006.01) C01G 55/00 (2006.01) C07K 17/14 (2006.01) C22B 5/00 (2006.01) C30B 7/14 (2006.01) C30B 29/02 (2006.01) C30B 29/66 (2006.01) G01N 33/531 (2006.01) G01N 33/553 (2006.01) G01N 33/558 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **METAL NANOPARTICLES AND METHODS OF MAKING SAME**
[54] **NANOPARTICULES METALLIQUES ET LEURS PROCEDES DE PRODUCTION**
[72] SINGH, KULBIR, CA
[72] MCALDUFF, MICHAEL, CA
[72] MARANGONI, D. GERRARD, CA
[71] SONA NANOTECH, CA
[85] 2020-04-21
[86] 2018-11-02 (PCT/CA2018/000205)
[87] (WO2019/084661)
[30] US (62/581,669) 2017-11-04

[21] **3,079,760**
[13] A1
[51] **Int.Cl. C12N 1/21 (2006.01) C12N 1/13 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01) C12N 15/55 (2006.01) C12N 15/60 (2006.01) C12N 15/63 (2006.01) C12P 7/24 (2006.01) C12P 7/42 (2006.01)**
[25] EN
[54] **ENGINEERED MICROORGANISM FOR THE PRODUCTION OF CANNABINOID BIOSYNTHETIC PATHWAY PRODUCTS**
[54] **MICRO-ORGANISME MODIFIE POUR LA PRODUCTION DE PRODUITS DE LA VOIE DE BIOSYNTHESE DES CANNABINOIDES**
[72] CARSCALLEN, WILLIAM MATHER ALMON, CA
[72] DESGAGNE-PENIX, ISABEL, CA
[71] ALGAE-C INC., CA
[85] 2020-04-21
[86] 2019-04-29 (PCT/CA2019/050557)
[87] (WO2019/210404)
[30] US (62/664,322) 2018-04-30
[30] US (62/813,927) 2019-03-05

[21] **3,079,761**
[13] A1
[51] **Int.Cl. C12P 7/18 (2006.01) C12N 9/02 (2006.01) C12N 9/06 (2006.01) C12N 9/10 (2006.01) C12N 9/88 (2006.01) C12P 7/06 (2006.01) C12P 7/42 (2006.01) C12P 7/46 (2006.01)**
[25] EN
[54] **MICROORGANISMS AND METHODS FOR THE BIOLOGICAL PRODUCTION OF ETHYLENE GLYCOL**
[54] **MICRO-ORGANISMES ET PROCEDES DE PRODUCTION BIOLOGIQUE D'ETHYLENE GLYCOL**
[72] KOEPKE, MICHAEL, US
[72] JENSEN, RASMUS, US
[71] LANZATECH, INC., US
[85] 2020-04-20
[86] 2018-12-19 (PCT/US2018/066619)
[87] (WO2019/126400)
[30] US (62/607,446) 2017-12-19
[30] US (62/683,454) 2018-06-11

[21] **3,079,762**
[13] A1
[51] **Int.Cl. F16N 13/10 (2006.01) F16N 23/00 (2006.01)**
[25] EN
[54] **GREASE PUMPING DEVICE**
[54] **DISPOSITIF DE POMPAGE DE GRAISSE**
[72] ZHAO, DAPING, CN
[72] LIU, XINGONG, CN
[72] LIU, ZHANG, CN
[72] MA, LIFENG, CN
[71] ZHENGZHOU AUTOL TECHNOLOGY CO., LTD., CN
[85] 2020-04-21
[86] 2018-09-29 (PCT/CN2018/108859)
[87] (WO2019/080699)
[30] CN (201711016253.8) 2017-10-25

[21] **3,079,763**
[13] A1
[51] **Int.Cl. B03D 1/01 (2006.01) C07C 213/08 (2006.01)**
[25] EN
[54] **ESTERQUATS FOR THE FLOTATION OF NON-SULFIDIC MINERALS AND ORES, AND METHOD**
[54] **ESTERQUATS POUR LA FLOTTATION DE MINERAUX ET MINERAIS NON SULFURES ET PROCEDE DE FLOTTATION**
[72] ARNDT, MATTHIAS, DE
[72] PEDAIN, KLAUS-ULRICH, DE
[72] MUELLER, PIA, DE
[72] SOLDUGA RAMIREZ, GEMMA, DE
[72] SCHUNK, YVES, DE
[72] KOCHAN, JOZEF, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2020-04-21
[86] 2018-01-16 (PCT/EP2018/050914)
[87] (WO2019/141343)

[21] **3,079,764**
[13] A1
[51] **Int.Cl. G01M 3/26 (2006.01) B64D 37/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING A FUEL LEAK IN AN AIRCRAFT**
[54] **SYSTEME ET PROCEDE DE DETECTION DE FUITE DE CARBURANT DANS UN AERONEF**
[72] VISCOTCHI, GEORGE, CA
[72] LAPORTE, ALEXANDRE, CA
[71] BOMBARDIER INC., CA
[85] 2020-04-21
[86] 2018-10-19 (PCT/CA2018/051318)
[87] (WO2019/079884)
[30] US (62/575,590) 2017-10-23

[21] **3,079,766**
[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/10 (2006.01) A61P 35/00 (2006.01) C07K 1/04 (2006.01)**
[25] EN
[54] **SYNTHETIC PEPTIDE SP4 AND USE THEREOF**
[54] **PEPTIDE SYNTHETIQUE SP4 ET SON UTILISATION**
[72] ZHANG, WANQIN, CN
[72] LI, YINTIAN, CN
[72] JI, XUEWEN, CN
[72] ZHAO, LIMEI, CN
[71] TAIAN CITY QIHANG BIOTECHNOLOGY CO., CN
[85] 2020-04-21
[86] 2018-10-12 (PCT/CN2018/109931)
[87] (WO2020/006922)
[30] CN (201810739279.3) 2018-07-06

[21] **3,079,767**
[13] A1
[51] **Int.Cl. C07F 9/09 (2006.01) A61P 9/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **PRODRUGS OF SUBSTITUTED TRIAZOLE DERIVATIVES AND USES THEREOF**
[54] **PROMEDICAMENTS DE DERIVES DE TRIAZOLE SUBSTITUES, ET UTILISATIONS DE CEUX-CI**
[72] COLLIN-KROEPELIN, MARIE-PIERRE, DE
[72] KOLKHOF, PETER, DE
[72] NEUBAUER, THOMAS, DE
[72] FUERSTNER, CHANTAL, DE
[72] POOK, ELISABETH, DE
[72] WITTWER, MATTHIAS BEAT, CH
[72] SCHMECK, CARSTEN, DE
[72] WASNAIRE, PIERRE, DE
[72] SCHIRMER, HEIKO, DE
[72] CERNECKA, HANA, DE
[72] DROEBNER, KAROLINE, DE
[72] TINEL, HANNA, DE
[72] BUCHMUELLER, ANJA, DE
[72] MONDRITZKI, THOMAS, DE
[72] KRETSCHMER, AXEL, DE
[72] LUSTIG, KLEMENS, DE
[72] FRICKE, ROBERT, DE
[72] LEVILAIN, GUILLAUME, DE
[72] KRENZ, URSULA, DE
[72] WITOWSKI, NORBERT, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-04-21
[86] 2018-10-17 (PCT/EP2018/078364)
[87] (WO2019/081292)
[30] EP (17197935.4) 2017-10-24

[21] **3,079,768**
[13] A1
[51] **Int.Cl. H04B 1/04 (2006.01)**
[25] EN
[54] **DATA TRANSMITTING CIRCUIT AND APPARATUS, AND DATA RECEIVING CIRCUIT AND APPARATUS**
[54] **CIRCUIT ET APPAREIL DE TRANSMISSION DE DONNEES, ET CIRCUIT ET APPAREIL DE RECEPTION DE DONNEES**
[72] LI, DONGSHENG, CN
[71] TENDYRON CORPORATION, CN
[85] 2020-04-21
[86] 2018-11-27 (PCT/CN2018/117673)
[87] (WO2019/105338)
[30] CN (201711249309.4) 2017-12-01
[30] CN (201711251098.8) 2017-12-01

[21] **3,079,770**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4196 (2006.01) A61P 5/12 (2006.01) A61P 9/00 (2006.01) A61P 13/12 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 407/14 (2006.01) C07D 409/14 (2006.01) C07D 417/14 (2006.01) C07D 487/10 (2006.01) C07D 491/048 (2006.01) C07D 491/107 (2006.01) C07D 495/10 (2006.01)**
[25] EN
[54] **AMINE SUBSTITUTED TRIAZOLE DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE TRIAZOLE SUBSTITUES PAR UNE AMINE ET UTILISATIONS ASSOCIEES**
[72] COLLIN-KROPELIN, MARIE-PIERRE, DE
[72] KOLKHOF, PETER, DE
[72] NEUBAUER, THOMAS, DE
[72] FURSTNER, CHANTAL, DE
[72] POOK, ELISABETH, DE
[72] TINEL, HANNA, DE
[72] SCHMECK, CARSTEN, DE
[72] WASNAIRE, PIERRE, DE
[72] SCHIRMER, HEIKO, DE
[72] LUSTIG, KLEMENS, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-04-21
[86] 2018-10-17 (PCT/EP2018/078398)
[87] (WO2019/081299)
[30] EP (17197937.0) 2017-10-24

[21] **3,079,771**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4196 (2006.01) A61P 9/00 (2006.01) A61P 13/00 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **SUBSTITUTED TRIAZOLE DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE TRIAZOLE SUBSTITUES ET UTILISATIONS ASSOCIEES**
[72] COLLIN-KROPELIN, MARIE-PIERRE, DE
[72] KOLKHOF, PETER, DE
[72] NEUBAUER, THOMAS, DE
[72] FURSTNER, CHANTAL, DE
[72] POOK, ELISABETH, DE
[72] TINEL, HANNA, DE
[72] SCHMECK, CARSTEN, DE
[72] WASNAIRE, PIERRE, DE
[72] SCHIRMER, HEIKO, DE
[72] LUSTIG, KLEMENS, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-04-21
[86] 2018-10-17 (PCT/EP2018/078415)
[87] (WO2019/081306)
[30] EP (17197949.5) 2017-10-24

[21] **3,079,772**
[13] A1
[51] **Int.Cl. A61F 5/37 (2006.01)**
[25] EN
[54] **SHOWER SLING**
[54] **TOILE DE DOUCHE**
[72] WORTMAN, IVAN J., US
[72] COX, MITCHELL M., US
[71] SHOWER90 LLC, US
[85] 2020-04-21
[86] 2018-10-25 (PCT/US2018/057500)
[87] (WO2019/084261)
[30] US (62/576,694) 2017-10-25

[21] **3,079,773**
[13] A1
[51] **Int.Cl. A01B 79/00 (2006.01)**
[25] EN
[54] **GENERATION OF DIGITAL CULTIVATION MAPS**
[54] **PRODUCTION DE CARTES NUMERIQUES DE TRAITEMENT**
[72] HOFFMANN, HOLGER, DE
[72] BITTER, CHRISTIAN, DE
[72] PETERS, OLE, DE
[72] KIEPE, BJOERN, DE
[71] BASF AGRO TRADEMARKS GMBH, DE
[85] 2020-04-21
[86] 2018-10-18 (PCT/EP2018/078632)
[87] (WO2019/081349)
[30] EP (17198036.0) 2017-10-24

[21] **3,079,774**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) H04W 12/06 (2009.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM TRANSACTION IDENTIFICATION APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES D'IDENTIFICATION DE TRANSACTION DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] MARSHAL, CASEY SCOTT, US
[72] MOTT, DAVID CREIGHTON, US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-17
[86] 2018-10-26 (PCT/US2018/057693)
[87] (WO2019/084391)
[30] US (62/577,246) 2017-10-26

[21] **3,079,775**
[13] A1
[25] EN
[54] **METHOD FOR OPERATING AN AGRICULTURAL IMPLEMENT AND ARRANGEMENT COMPRISING AN AGRICULTURAL IMPLEMENT**
[54] **PROCEDE DE FONCTIONNEMENT D'UN ENGIN DE TRAVAIL AGRICOLE ET DISPOSITIF COMPRENANT UN ENGIN DE TRAVAIL AGRICOLE**
[72] VAN ZADELHOFF, GUSTAAF GARRIT JOHAN, DE
[72] NAPIERALA, TORSTEN, DE
[72] GROTHAUS, CHRISTOPH, DE
[71] GRIMME LANDMASCHINENFABRIK GMBH & CO. KG, DE
[85] 2020-04-21
[86] 2018-11-08 (PCT/EP2018/080673)
[87] (WO2019/092139)
[30] DE (10 2017 126 122.2) 2017-11-08

[21] **3,079,776**
[13] A1
[51] **Int.Cl. C12N 15/40 (2006.01) A61K 39/00 (2006.01) A61P 31/12 (2006.01) A61P 37/04 (2006.01) C07K 14/18 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/79 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **A ZIKA VIRUS CHIMERIC POLYEPITOPE COMPRISING NON-STRUCTURAL PROTEINS AND ITS USE IN AN IMMUNOGENIC COMPOSITION**
[54] **POLYEPITOPE CHIMERIQUE DU VIRUS ZIKA COMPRENANT DES PROTEINES NON STRUCTURALES ET SON UTILISATION DANS UNE COMPOSITION IMMUNOGENE**
[72] ROTH, CLAUDE, FR
[72] SIMON-LORIERE, ETIENNE, FR
[72] SAKUNTABHAI, ANAVAJ, FR
[72] DELGADO, FELIX, CO
[71] INSTITUT PASTEUR, FR
[71] UNIVERSIDAD EL BOSQUE, CO
[85] 2020-04-21
[86] 2018-11-08 (PCT/EP2018/080677)
[87] (WO2019/092142)
[30] EP (17306553.3) 2017-11-09

[21] **3,079,778**
[13] A1
[51] **Int.Cl. C07K 14/395 (2006.01) C12N 1/19 (2006.01) C12N 15/31 (2006.01) C12N 15/54 (2006.01) C12N 15/61 (2006.01) C12N 15/80 (2006.01) C12P 1/02 (2006.01) C12P 7/06 (2006.01) C12P 7/10 (2006.01)**
[25] EN
[54] **POLYPEPTIDES WITH IMPROVED ARABINOSE TRANSPORT SPECIFICITY**
[54] **POLYPEPTIDES AYANT UNE SPECIFICITE DE TRANSPORT D'ARABINOSE AMELIOREE**
[72] VAN MARIS, ANTONIUS JEROEN ADRIAAN, SE
[72] PRONK, JACOBUS THOMAS, SE
[72] VERHOEVEN, MAARTEN DIRK, NL
[71] DSM IP ASSETS B.V., NL
[85] 2020-04-21
[86] 2018-11-12 (PCT/EP2018/080876)
[87] (WO2019/096718)
[30] EP (17201608.1) 2017-11-14
[30] EP (17203961.2) 2017-11-28

[21] **3,079,779**
[13] A1
[51] **Int.Cl. A24F 40/95 (2020.01) A24F 40/40 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE**
[72] WRIGHT, JEREMY, GB
[72] RUCKER, SIMON, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-04-21
[86] 2018-10-23 (PCT/GB2018/053052)
[87] (WO2019/081906)
[30] GB (1717484.8) 2017-10-24

[21] **3,079,780**
[13] A1
[51] **Int.Cl. A01N 55/08 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **BENZOXABOROLE COMPOUNDS**
[54] **COMPOSES DE BENZOXABOROLE**
[72] WITSCHEL, MATTHIAS, DE
[72] GEERDINK, DANNY, DE
[72] MIETZNER, THOMAS, DE
[72] SOUILLART, LAETITIA, DE
[72] SEITZ, THOMAS, DE
[72] HOLLENBACH, EVA, DE
[72] KRAEMER, GERD, DE
[72] NEWTON, TREVOR WILLIAM, DE
[71] BASF SE, DE
[85] 2020-04-21
[86] 2018-11-12 (PCT/EP2018/080917)
[87] (WO2019/101560)
[30] EP (17202937.3) 2017-11-22

[21] **3,079,781**
[13] A1
[51] **Int.Cl. A61K 31/165 (2006.01) A61K 31/19 (2006.01) A61K 31/426 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **IL-8 INHIBITORS FOR USE IN THE TREATMENT OF SOME SARCOMAS**
[54] **INHIBITEURS D'IL-8 DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE CERTAINS SARCOMES**
[72] ROBERTS, RYAN DAVID, US
[72] BRANDOLINI, LAURA, IT
[71] DOMPE' FARMACEUTICI S.P.A., IT
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
[85] 2020-04-21
[86] 2018-10-23 (PCT/EP2018/078971)
[87] (WO2019/081470)
[30] EP (17198072.5) 2017-10-24

[21] **3,079,783**
[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) A61K 38/17 (2006.01) A61P 21/00 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHOD FOR THE TREATMENT OF X-LINKED CENTRONUCLEAR MYOPATHY**
[54] **COMPOSITIONS ET METHODE DE TRAITEMENT DE LA MYOPATHIE CENTRONUCLEAIRE LIEE A L'X**
[72] LAPORTE, JOCELYN, FR
[72] LIONELLO, VALENTINA, IT
[72] COWLING, BELINDA, FR
[71] UNIVERSITE DE STRASBOURG, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2020-04-21
[86] 2018-11-12 (PCT/EP2018/080964)
[87] (WO2019/092251)
[30] EP (17306566.5) 2017-11-11

[21] **3,079,784**
[13] A1
[51] **Int.Cl. C08F 222/14 (2006.01) C04B 26/16 (2006.01) C08F 222/10 (2006.01) C09K 8/473 (2006.01) F16B 13/14 (2006.01)**
[25] EN
[54] **BIOGENIC OLIOGOMERS AS REACTIVE ADDITIVES FOR THE CURING OF REACTIVE RESINS**
[54] **OLIGOMERES BIOGENIQUES UTILISES COMME ADDITIFS REACTIFS POUR LE DURCISSEMENT DE RESINES REACTIVES**
[72] BUNZEN, JENS, DE
[72] BURGEL, THOMAS, DE
[72] GNASS, BEATE, DE
[72] JAEHNICHEN, KLAUS, DE
[72] VOIT, BRIGITTE, DE
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2020-04-21
[86] 2018-11-19 (PCT/EP2018/081672)
[87] (WO2019/105776)
[30] EP (17204044.6) 2017-11-28

[21] **3,079,785**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **ADJUSTABLE SELF-LOCKING PAPILLARY MUSCLE BAND**
[54] **BANDE DE MUSCLES PAPILLAIRES A AUTO-VERROUILLAGE REGLABLE**
[72] NEUSTADTER, DAVID, IL
[71] CARDIAC SUCCESS LTD., IL
[85] 2020-04-21
[86] 2018-10-22 (PCT/IB2018/001370)
[87] (WO2019/081985)
[30] US (62/575,538) 2017-10-23

[21] **3,079,786**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/444 (2006.01) A61K 31/4545 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **4H-PYRROLO[3,2-C]PYRIDIN-4-ONE DERIVATIVES**
[54] **DERIVES DE 4H-PYRROLO[3,2-C]PYRIDIN-4-ONE**
[72] SIEGEL, STEPHAN, DE
[72] SIEGEL, FRANZISKA, DE
[72] SCHULZE, VOLKER, DE
[72] BERGER, MARKUS, DE
[72] GRAHAM, KEITH, DE
[72] KLAR, ULRICH, DE
[72] KNUT, EIS, DE
[72] SULZLE, DETLEV, DE
[72] BOMER, ULF, DE
[72] KORR, DANIEL, DE
[72] PETERSEN, KIRSTIN, DE
[72] MONNING, URSULA, DE
[72] EBERSPACHER, UWE, DE
[72] MOOSMAYER, DIETER, DE
[72] MEYERSON, MATTHEW, US
[72] GREULICH, HEIDI, US
[72] KAPLAN, BETHANY, US
[72] HARB, HASSAN YOUSSEF, GB
[72] DINH, PHI MANH, GB
[71] THE BROAD INSTITUTE, INC., US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER SCHERING PHARMA AKTIENGESELLSCHAFT, DE
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-04-21
[86] 2018-10-23 (PCT/EP2018/078995)
[87] (WO2019/081486)
[30] US (62/576,166) 2017-10-24

[21] **3,079,788**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/00 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTIBODIES AND ANTIBODY-DRUG CONJUGATES SPECIFIC FOR CD123 AND USES THEREOF**
[54] **ANTICORPS ET CONJUGUES ANTICORPS-MEDICAMENT SPECIFIQUES A CD123 ET LEURS UTILISATIONS**
[72] CHARATI, MANOJ BABURAO, US
[72] HAN, YOON-CHI, US
[72] KATRAGADDA, MADAN, US
[72] PICHE-NICHOLAS, NICOLE MELISSA, US
[72] TUMEY, LAWRENCE NATHAN, US
[71] PFIZER INC., US
[85] 2020-04-21
[86] 2018-10-16 (PCT/IB2018/058013)
[87] (WO2019/082020)
[30] US (62/577,922) 2017-10-27

[21] **3,079,789**
[13] A1
[51] **Int.Cl. C12P 19/12 (2006.01) C12N 9/10 (2006.01) C12N 9/92 (2006.01) C12P 19/18 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING TREHALOSE EMPLOYING A TREHALOSE PHOSPHORYLASE VARIANT**
[54] **METHODE DE PRODUCTION DE TREHALOSE**
[72] BAYER, CHRISTOPHER DAVID, NL
[72] VOGEL, ANDREAS, DE
[72] STRUHALLA, MARC, DE
[72] BRUCHER, BIRGIT, DE
[71] C-LECTA GMBH, DE
[71] NEW MATTERHORN, LLC, US
[85] 2020-04-23
[86] 2018-11-28 (PCT/EP2018/082881)
[87] (WO2019/106036)
[30] EP (17204211.1) 2017-11-28
[30] EP (18174349.3) 2018-05-25

[21] **3,079,790**
[13] A1
[51] **Int.Cl. E04H 12/16 (2006.01) E04H 12/08 (2006.01) E04H 12/12 (2006.01)**
[25] EN
[54] **ANNULAR BRACKET FOR EXTERNALLY LOADING A TOWER SEGMENT, EXTERNAL LOADING SYSTEM OF A HYBRID TOWER, TOWER SECTION OF A HYBRID TOWER, HYBRID TOWER, WIND TURBINE, AND ASSEMBLY METHOD OF AN EXTERNAL LOADING SYSTEM FOR A HYBRID TOWER**
[54] **CONSOLE ANNULAIRE DESTINEE AU SERRAGE EXTERNE D'UN SEGMENT DE TOUR, SYSTEME DE SERRAGE EXTERNE D'UNE TOUR HYBRIDE, SECTION DE TOUR D'UNE TOUR HYBRIDE, TOUR HYBRIDE, EOLIENNE ET PROCEDE DE MONTAGE D'UN SYSTEME DE SERRAGE EXTERNE POUR UNE TOUR HYBRIDE**
[72] KERSTEN, ROY, DE
[72] ROTHEL, STEFFEN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-04-21
[86] 2018-10-23 (PCT/EP2018/079006)
[87] (WO2019/081491)
[30] DE (10 2017 125 060.3) 2017-10-26

[21] **3,079,791**
[13] A1
[25] EN
[54] **A LESS HARDWARE MOORING SYSTEM, PROCESS AND USES THEREOF**
[54] **SYSTEME D'AMARRAGE MOINS MATERIEL, ET PROCEDE ET UTILISATIONS ASSOCIES**
[72] RAUT, SANJAY VASUDEO, IN
[72] DARDA, KISHOR JAYANTILAL, IN
[72] DHOBLE, LILADHAR GANESH, IN
[71] GARWARE-WALL ROPES LIMITED, IN
[85] 2020-04-21
[86] 2018-10-23 (PCT/IN2018/050683)
[87] (WO2019/087206)
[30] IN (201721038939) 2017-11-01

[21] **3,079,792**
[13] A1
[51] **Int.Cl. C02F 11/00 (2006.01) C02F 11/12 (2019.01)**
[25] EN
[54] **DEVICE FOR SLUDGE TREATMENT**
[54] **DISPOSITIF DE TRAITEMENT DE BOUES**
[72] BOSI, VITTORIO, IT
[72] DE RISIO, EMANUELE, IT
[72] CANZIANI, ROBERTO, IT
[72] GARCIA FUENTES, GONZALO, IT
[72] VISIGALLI, SIMONE, IT
[72] DI FLORIO, GIUSEPPE, IT
[71] X2 SOLUTIONS S.R.L., IT
[71] POLITECNICO DI MILANO, IT
[85] 2020-04-21
[86] 2018-10-26 (PCT/IB2018/058392)
[87] (WO2019/082150)
[30] IT (102017000122179) 2017-10-26

[21] **3,079,793**
[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTIGEN BINDING CONSTRUCT**
[54] **CONSTRUCTION BISPECIFIQUE DE LIAISON A UN ANTIGENE**
[72] BLANCHETOT, CHRISTOPHE, BE
[72] VAN DER WONING, SEBASTIAN, BE
[71] ARGENX BVBA, BE
[85] 2020-04-21
[86] 2018-12-21 (PCT/EP2018/086755)
[87] (WO2019/122409)
[30] US (62/609,523) 2017-12-22

[21] **3,079,794**
[13] A1
[51] **Int.Cl. A23L 2/52 (2006.01) A23L 29/231 (2016.01) A23L 33/105 (2016.01) A61K 31/175 (2006.01) A61K 31/23 (2006.01) A61K 36/23 (2006.01) A61K 39/39 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING A PECTIC POLYSACCHARIDE ISOLATE ENRICHED IN RHAMNOGALACTURONAN-I**
[54] **PROCEDE DE PRODUCTION D'UN ISOLAT DE POLYSACCHARIDE PECTIQUE ENRICHI EN RHAMNOGALACTURONANE-I**
[72] ALBERS, RUUD, NL
[72] TZOUMAKI, MARIA, NL
[71] NUTRILEADS B.V., NL
[85] 2020-04-22
[86] 2018-10-23 (PCT/EP2018/079058)
[87] (WO2019/081525)
[30] EP (17197706.9) 2017-10-23
[30] NL (PCT/NL2017/050807) 2017-12-04
[30] EP (PCT/EP2018/074127) 2018-09-07

[21] **3,079,796**
[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) C21D 7/02 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH COLD-ROLLED STEEL SHEET**
[54] **TOLE EN ACIER LAMINEE A FROID HAUTEMENT RESISTANTE**
[72] TODA, YURI, JP
[72] HAYASHI, KUNIO, JP
[72] NAKANO, KATSUYA, JP
[72] SAKURADA, EISAKU, JP
[72] UENISHI, AKIHIRO, JP
[72] TAKEDA, KENGO, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-21
[86] 2017-11-15 (PCT/JP2017/041058)
[87] (WO2019/097600)

[21] **3,079,797**
[13] A1
[51] **Int.Cl. E04F 15/22 (2006.01) E04F 15/06 (2006.01) E04F 15/18 (2006.01)**
[25] EN
[54] **FLOATING FLOOR**
[54] **PLANCHER FLOTTANT**
[72] CARELS, PATRICK, BE
[71] CDM NV, BE
[85] 2020-04-21
[86] 2018-10-31 (PCT/IB2018/058554)
[87] (WO2019/087107)
[30] BE (BE2017/5788) 2017-10-31

[21] **3,079,798**
[13] A1
[51] **Int.Cl. E05D 7/04 (2006.01) E05D 15/40 (2006.01) E05F 1/10 (2006.01) E05D 3/16 (2006.01)**
[25] EN
[54] **FLAP FITTING FOR AN ITEM OF FURNITURE, SIDE WALL OF A FURNITURE BODY, AND ITEM OF FURNITURE HAVING A SIDE WALL**
[54] **FERRURE D'ABATTANT DE MEUBLE, PAROI LATERALE D'UN CORPS DE MEUBLE ET MEUBLE MUNI D'UNE PAROI LATERALE**
[72] NORDIEKER, MARTIN, DE
[72] POISCHBEG, JENS, DE
[72] TASCHE, MICHAEL, DE
[72] NOLTE, KARSTEN, DE
[71] HETTICH-ONI GMBH & CO. KG, DE
[85] 2020-04-21
[86] 2018-11-06 (PCT/EP2018/080313)
[87] (WO2019/091967)
[30] DE (10 2017 126 367.5) 2017-11-10

[21] **3,079,800**
[13] A1
[51] **Int.Cl. C02F 1/467 (2006.01) C02F 1/461 (2006.01)**
[25] EN
[54] **A METHOD FOR PURIFICATION OF AN AQUEOUS SOLUTION**
[54] **PROCEDE DE PURIFICATION D'UNE SOLUTION AQUEUSE**
[72] WICKMAN, BJORN, SE
[72] TUNSU, CRISTIAN, SE
[71] ATIUM AB, SE
[85] 2020-04-21
[86] 2018-10-29 (PCT/EP2018/079592)
[87] (WO2019/086387)
[30] EP (17199244.9) 2017-10-30

[21] **3,079,801**
[13] A1
[51] **Int.Cl. A24F 40/95 (2020.01) A24F 47/00 (2020.01) E05D 3/02 (2006.01)**
[25] EN
[54] **MECHANISM FOR HATCH OF ELECTRONIC AEROSOL PROVISION DEVICE**
[54] **MECANISME DE TRAPPE D'UN DISPOSITIF ELECTRONIQUE DE FOURNITURE D'AEROSOL**
[72] WRIGHT, JEREMY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-04-21
[86] 2018-10-19 (PCT/GB2018/053027)
[87] (WO2019/081898)
[30] GB (1717486.3) 2017-10-24

[21] **3,079,802**
[13] A1
[51] **Int.Cl. A63F 1/12 (2006.01) A63F 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR SHUFFLING PLAYING CARDS**
[54] **PROCEDE DE BATTAGE DE CARTES A JOUER**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL PLAYING CARDS CO., LTD., JP
[85] 2020-04-21
[86] 2018-10-19 (PCT/JP2018/038925)
[87] (WO2019/078322)
[30] JP (2017-215961) 2017-10-21

[21] **3,079,803**
[13] A1
[51] **Int.Cl. A24F 40/95 (2020.01)**
[25] EN
[54] **ELECTRONIC AEROSOL PROVISION DEVICE WITH SEAL**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL ELECTRONIQUE DOTE D'UN JOINT D'ETANCHEITE**
[72] WRIGHT, JEREMY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-04-21
[86] 2018-10-19 (PCT/GB2018/053028)
[87] (WO2019/081899)
[30] GB (1717480.6) 2017-10-24

[21] **3,079,804**
[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/4422 (2006.01) A61P 5/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEW ANALOGS AS ANDROGEN RECEPTOR AND GLUCOCORTICOID RECEPTOR MODULATORS**
[54] **NOUVEAUX ANALOGUES UTILISES EN TANT QUE MODULATEURS DU RECEPTEUR DES ANDROGENES ET DU RECEPTEUR DES GLUCOCORTICOIDES**
[72] KURZ, GUIDO, ES
[72] CAMACHO GOMEZ, JUAN, ES
[71] ONCOSTELLAE, S.L., ES
[85] 2020-04-21
[86] 2018-11-06 (PCT/EP2018/080367)
[87] (WO2019/086720)
[30] EP (17382741.1) 2017-11-06

[21] **3,079,805**
[13] A1
[51] **Int.Cl. A61K 6/831 (2020.01) A61K 6/838 (2020.01) A61K 6/889 (2020.01)**
[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] MATSUURA, RYO, JP
[72] NOJIRI, YAMATO, JP
[71] KURARAY NORITAKE DENTAL INC., JP
[85] 2020-04-21
[86] 2018-10-22 (PCT/JP2018/039229)
[87] (WO2019/082855)
[30] JP (2017-204537) 2017-10-23

[21] **3,079,807**
[13] A1
[51] **Int.Cl. C07C 405/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING PROSTAGLANDIN DERIVATIVE**
[54] **PROCEDE DE PRODUCTION D'UN DERIVE DE PROSTAGLANDINE**
[72] MATSUMURA, YASUSHI, JP
[72] NAGAI, YUSUKE, JP
[72] YAMAGUCHI, YU, JP
[72] WANG, LANFANG, JP
[71] AGC INC., JP
[85] 2020-04-21
[86] 2018-10-26 (PCT/JP2018/039794)
[87] (WO2019/087948)
[30] JP (2017-210311) 2017-10-31

[21] **3,079,808**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **ELECTRONIC AEROSOL PROVISION DEVICE**
[54] **DISPOSITIF DE FOURNITURE D'AEROSOL ELECTRONIQUE**
[72] WRIGHT, JEREMY, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-04-21
[86] 2018-10-19 (PCT/GB2018/053029)
[87] (WO2019/081900)
[30] GB (1717489.7) 2017-10-24

[21] **3,079,810**
[13] A1
[51] **Int.Cl. B23K 35/30 (2006.01)**
[25] EN
[54] **SOLID WIRE FOR GAS-SHIELDED ARC WELDING OF THIN STEEL SHEET**
[54] **FIL MASSIF POUR SOUDAGE A L'ARC SOUS PROTECTION GAZEUSE SUR PLAQUE DE FER MINCE**
[72] KODAMA, SHINJI, JP
[72] MATSUBA, MASAHIRO, JP
[72] AZUMA, MASAFUMI, JP
[72] MORI, YOICHIRO, JP
[72] OTSUKA, KENICHIRO, JP
[72] NOSE, TETSURO, JP
[72] IWAKAMI, TOMOKATSU, JP
[72] MARUYAMA, KAZUTAKA, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-21
[86] 2018-12-17 (PCT/JP2018/046327)
[87] (WO2019/124305)
[30] JP (2017-243276) 2017-12-19

[21] **3,079,811**
[13] A1
[51] **Int.Cl. H02G 1/12 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR PREPARING AN END PORTION OF A SHIELDED ELECTRICAL CABLE**
[54] **APPAREIL ET PROCEDE DE PREPARATION D'UNE PARTIE D'EXTREMITE D'UN CABLE ELECTRIQUE BLINDE**
[72] BOCCATO, ENRICO, IT
[71] CURTI COSTRUZIONI MECCANICHE S.P.A., IT
[85] 2020-04-21
[86] 2018-11-13 (PCT/IB2018/058913)
[87] (WO2019/092681)
[30] IT (102017000129369) 2017-11-13

[21] **3,079,812**
[13] A1
[51] **Int.Cl. H04L 5/14 (2006.01) H04W 4/10 (2009.01) H03M 1/12 (2006.01)**
[25] EN
[54] **SMART WATCH HAVING DIGITAL RADIO FUNCTION**
[54] **MONTRE INTELLIGENTE AYANT UNE FONCTION RADIO NUMERIQUE**
[72] PARK, SANG RAE, KR
[71] PARK, SANG RAE, KR
[85] 2020-04-21
[86] 2018-01-23 (PCT/KR2018/000966)
[87] (WO2019/083100)
[30] KR (10-2017-0140273) 2017-10-26

[21] **3,079,813**
[13] A1
[51] **Int.Cl. G21D 1/00 (2006.01)**
[25] EN
[54] **A SINGLE-LOOP NUCLEAR POWER STATION WITH A HEAT CARRIER UNDER PRESSURE**
[54] **CENTRALE NUCLEAIRE A CIRCUIT UNIQUE ET AGENT CALOPORTEUR SOUS PRESSION**
[72] KOROVKIN, SERGEY VIKTOROVICH, RU
[72] TUTUNINA, EVGENIYA VIKTOROVNA, RU
[71] JOINT STOCK COMPANY ENGINEERING COMPANY ASE, RU
[71] JOINT STOCK COMPANY ATOMENERGOPROEKT, RU
[85] 2020-04-21
[86] 2017-12-29 (PCT/RU2017/001009)
[87] (WO2018/222077)
[30] RU (2017119435) 2017-06-02

[21] **3,079,814**
[13] A1
[51] **Int.Cl. G06F 3/044 (2006.01) B32B 7/00 (2019.01)**
[25] EN
[54] **TRANSPARENT CONDUCTIVE COATING FOR CAPACITIVE TOUCH PANEL AND METHOD OF MAKING SAME**
[54] **REVETEMENT CONDUCTEUR TRANSPARENT DESTINE A UN ECRAN TACTILE CAPACITIF ET SON PROCEDE DE FABRICATION**
[72] KRASNOV, ALEXEY, US
[72] DEN BOER, WILLEM, US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-04-21
[86] 2019-01-11 (PCT/IB2019/050227)
[87] (WO2019/138370)

[21] **3,079,815**
[13] A1
[51] **Int.Cl. F42B 10/14 (2006.01) F42B 10/16 (2006.01) F42B 10/26 (2006.01)**
[25] EN
[54] **TAIL PORTION**
[54] **PORTION DE QUEUE**
[72] HAGBERG, ANDERS, SE
[72] STROM, TOMMY, SE
[72] AXINGER, JAN, SE
[71] BAE SYSTEMS BOFORS AB, SE
[85] 2020-04-21
[86] 2018-09-26 (PCT/SE2018/050976)
[87] (WO2019/093939)
[30] SE (1700277-5) 2017-11-10

[21] **3,079,816**
[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) A61B 34/20 (2016.01) A61B 34/37 (2016.01) G06F 3/147 (2006.01)**
[25] EN
[54] **MULTI-PANEL GRAPHICAL USER INTERFACE FOR A ROBOTIC SURGICAL SYSTEM**
[54] **INTERFACE UTILISATEUR GRAPHIQUE POUR SYSTEME ROBOTIQUE CHIRURGICAL**
[72] JOHNSON, ERIC MARK, US
[72] ESSOCK-BURNS, EMMA, US
[72] MILLER, LAWRENCE EDWARD, US
[72] BRAHIC, FRANCOIS W., US
[71] VERB SURGICAL INC., US
[85] 2020-04-21
[86] 2017-12-14 (PCT/US2017/066489)
[87] (WO2019/117926)

[21] **3,079,817**
[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01) E21B 17/00 (2006.01)**
[25] EN
[54] **ALTERNATING POLARITY OF CASING-SIDE ANTENNAS IN A WELLBORE**
[54] **POLARITE ALTERNEE D'ANTENNES COTE BOITIER DANS UN PUITS DE FORAGE**
[72] HAGEN, TROND, NO
[72] MILTON, CHRISTOPHER, NO
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-04-21
[86] 2017-12-26 (PCT/US2017/068420)
[87] (WO2019/132859)

[21] **3,079,819**
[13] A1
[51] **Int.Cl. C07C 211/27 (2006.01) A61K 31/135 (2006.01) A61K 31/137 (2006.01) C07C 211/29 (2006.01) C07C 217/60 (2006.01) C07C 217/84 (2006.01) C07C 223/02 (2006.01) C07C 271/18 (2006.01)**
[25] EN
[54] **SMALL MOLECULE DRUGS AND RELATED METHODS FOR TREATMENT OF DISEASES RELATED TO A.BETA.42 OLIGOMER FORMATION**
[54] **PROCEDE DE PREPARATION DE MEDICAMENTS A PETITE MOLECULES ET SIMILAIRE POUR LE TRAITEMENT DE MALADIES LIEES A LA FORMATION D'OLIGOMERES A.BETA.42**
[72] SINGH, AMBUJ K., US
[72] LANG, CHRISTIAN A., US
[71] ACELOT, INC., US
[85] 2020-04-21
[86] 2018-11-05 (PCT/US2018/000386)
[87] (WO2019/089066)
[30] US (62/707,516) 2017-11-06

[21] **3,079,821**
[13] A1
[51] **Int.Cl. E06B 9/00 (2006.01) E06B 9/02 (2006.01) E06B 9/08 (2006.01) E06B 9/24 (2006.01) E06B 9/26 (2006.01) E06B 9/56 (2006.01)**
[25] EN
[54] **ROLLING SHUTTER SLAT**
[54] **LATTE POUR VOLET ROULANT**
[72] MILLER, JAMES V., US
[71] QUALITAS MANUFACTURING INCORPORATED, US
[85] 2020-04-21
[86] 2018-10-30 (PCT/US2018/058252)
[87] (WO2019/089622)
[30] US (62/578,934) 2017-10-30

[21] **3,079,824**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) A61K 8/60 (2006.01) A61N 5/10 (2006.01) A61P 17/02 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **METHOD FOR ENHANCING RECOVERY OF COSMETIC LASER-TREATED SKIN**
[54] **METHODE D'AMELIORATION DE LA RECUPERATION D'UNE PEAU TRAITEE PAR UN LASER COSMETIQUE**
[72] O'ROURKE, BRIAN, US
[71] MICROCURES, INC., US
[85] 2020-04-21
[86] 2018-10-16 (PCT/US2018/056007)
[87] (WO2019/083771)
[30] US (62/575,600) 2017-10-23

[21] **3,079,827**
[13] A1
[51] **Int.Cl. F16K 41/02 (2006.01) B25B 27/00 (2006.01) F16J 15/18 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO INSTALL VALVE PACKING COMPONENTS**
[54] **PROCEDES ET APPAREIL POUR INSTALLER DES ELEMENTS DE GARNITURE DE VANNE**
[72] HAUSLADAN, KYLE ANTHONY, US
[72] TIBBEN, BRADLEY STEVE, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2020-04-21
[86] 2018-10-18 (PCT/US2018/056417)
[87] (WO2019/094163)
[30] US (15/808,530) 2017-11-09

[21] **3,079,828**
[13] A1
[51] **Int.Cl. A61K 47/38 (2006.01) A61K 47/10 (2017.01) A61P 31/22 (2006.01) A61P 37/04 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/38 (2006.01) C12N 15/62 (2006.01) C12N 15/869 (2006.01)**
[25] EN
[54] **STABLE FORMULATIONS OF CYTOMEGALOVIRUS**
[54] **FORMULATIONS STABLES DE CYTOMEGALOVIRUS**
[72] MEDI, MUNEESWARA BABU, US
[72] DAVIS, HARRISON BRADFORD, US
[72] CHEN, LORENZO, H., US
[72] ISOPI, LYNNE ANN, US
[72] BLUE, JEFFREY THOMAS, US
[72] PIXLEY, HEIDI JOANNE, US
[72] GREEN-TREXLER, ERIN J., US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-04-21
[86] 2018-10-29 (PCT/US2018/057914)
[87] (WO2019/089410)
[30] US (62/580,230) 2017-11-01

[21] **3,079,829**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **ON-DEMAND COORDINATED COMESTIBLE ITEM DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION COORDONNEE A LA DEMANDE D'ARTICLES COMESTIBLES**
[72] BERREBBI, NATHAN, US
[72] HAMAD, FERRAS, US
[72] LIU, ISAAC, US
[72] NGUYEN, LE, US
[72] ZHANG, XIAN XING, US
[72] WANG, ZELLUX YUANXUAN, US
[72] WANG, YUYAN, US
[72] NING, YUANCHI, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-10-18 (PCT/US2018/056515)
[87] (WO2019/083813)
[30] US (62/576,621) 2017-10-24
[30] US (16/059,483) 2018-08-09

[21] **3,079,831**
[13] A1
[51] **Int.Cl. A61K 38/35 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING TRAUMATIC BRAIN INJURY**
[54] **METHODES DE TRAITEMENT DE LESIONS CEREBRALES TRAUMATIQUES**
[72] ASHWAL, STEPHEN, US
[72] HOLSHOUSER, BARBARA, US
[71] LOMA LINDA UNIVERSITY, US
[85] 2020-04-21
[86] 2018-10-30 (PCT/US2018/058276)
[87] (WO2019/089640)
[30] US (62/579,832) 2017-10-31
[30] US (62/746,381) 2018-10-16

[21] **3,079,832**
[13] A1
[51] **Int.Cl. G16B 25/00 (2019.01) C12Q 1/6804 (2018.01) G16B 40/00 (2019.01) C40B 30/04 (2006.01) C40B 70/00 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROTEIN IDENTIFICATION**
[54] **PROCEDES ET SYSTEMES D'IDENTIFICATION DE PROTEINES**
[72] PATEL, SUJAL M., US
[72] MALLICK, PARAG, US
[72] EGERTSON, JARRETT D., US
[71] NAUTILUS BIOTECHNOLOGY, INC., US
[85] 2020-04-21
[86] 2018-10-20 (PCT/US2018/056807)
[87] (WO2019/083856)
[30] US (62/575,976) 2017-10-23

[21] **3,079,833**
[13] A1
[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/422 (2006.01) A61K 31/4245 (2006.01) A61K 31/428 (2006.01) A61K 31/429 (2006.01) C07D 261/08 (2006.01) C07D 413/04 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **BRIDGED BICYCLIC COMPOUNDS AS FARNESOID X RECEPTOR MODULATORS**
[54] **COMPOSES BICYCLIQUES PONTES UTILISES EN TANT QUE MODULATEURS DU RECEPTEUR FARNESOIDE X**
[72] YOON, DAVID S., US
[72] ANUMULA, RUSHITH KUMAR, IN
[72] CHERUKU, SRINIVAS, IN
[72] HUANG, YANTING, US
[72] JURICA, ELIZABETH ANNE, US
[72] MENG, WEI, US
[72] NARA, SUSHEEL JETHANAND, IN
[72] NARAYAN, RISHIKESH, IN
[72] SISTLA, RAMESH KUMAR, IN
[72] WU, XIMAO, US
[72] ZHAO, GUOHUA, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2020-04-21
[86] 2018-10-31 (PCT/US2018/058315)
[87] (WO2019/089667)
[30] US (62/580,075) 2017-11-01

[21] **3,079,835**
[13] A1
[51] **Int.Cl. B60N 2/60 (2006.01)**
[25] EN
[54] **OUTDOOR CHAIR WITH CUSHION COVERS**
[54] **CHAISE D'EXTERIEUR DOTEE DE HOUSSES DE COUSSIN**
[72] BURT, MARC, US
[71] BURT, MARC, US
[85] 2020-04-21
[86] 2018-10-31 (PCT/US2018/058336)
[87] (WO2019/089679)
[30] US (62/580,149) 2017-11-01
[30] US (62/667,875) 2018-05-07

[21] **3,079,837**
[13] A1
[51] **Int.Cl. G01N 1/40 (2006.01) G01N 33/48 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **ANALYTE DETECTION METHOD**
[54] **PROCEDE DE DETECTION D'ANALYTE**
[72] PALTZ, GARY, US
[72] WU, MANHONG, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-04-21
[86] 2018-10-31 (PCT/US2018/058440)
[87] (WO2019/089746)
[30] US (62/580,277) 2017-11-01
[30] US (62/615,576) 2018-01-10

[21] **3,079,838**
[13] A1
[51] **Int.Cl. G06T 15/00 (2011.01)**
[25] EN
[54] **TREATMENT FOR SKELETAL DISEASES CAUSED BY INTRACELLULAR PROTEIN TRAFFICKING DEFECTS**
[54] **TRAITEMENT DE MALADIES DU SQUELETTE PROVOQUEES PAR DES ANOMALIES DE LA CIRCULATION DES PROTEINES INTRACELLULAIRES**
[72] KONDO, YUJI, US
[72] FU, JIANXIN, US
[72] WANG, HUA, US
[72] WIERENGA, KLAAS, US
[72] GAFFNEY, PATRICK M., US
[72] XIA, LIJUN, US
[71] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US
[71] UNIVERSITY OF OKLAHOMA HEALTH SCIENCE CENTER, US
[85] 2020-04-21
[86] 2018-10-23 (PCT/US2018/057131)
[87] (WO2019/084024)
[30] US (62/576,360) 2017-10-24

[21] **3,079,840**
[13] A1
[51] **Int.Cl. G06F 11/00 (2006.01)**
[25] EN
[54] **ANALYSIS AND REPORTING OF SUSPICIOUS EMAIL**
[54] **ANALYSE ET SIGNALEMENT DE COURRIER ELECTRONIQUE SUSPECT**
[72] RYAN, LOUIS, US
[72] CROWE, ROBERT, US
[72] KELLEY, STEVEN CHRISTOPHER, US
[72] RANDALL, JOHN, US
[72] DING, GANG, US
[71] EDGEWAVE, INC., US
[85] 2020-04-21
[86] 2018-10-31 (PCT/US2018/058511)
[87] (WO2019/089795)
[30] US (62/579,751) 2017-10-31

[21] **3,079,842**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FILTERING**
[54] **PROCEDE ET APPAREIL DE FILTRATION**
[72] WIERZBA, MICHAEL PAUL, US
[72] SHVESOV, KYRYLO, US
[72] BONANO, SAMANTHA, US
[72] PEPE, GREGORY, US
[71] BUFFALO FILTER LLC, US
[85] 2020-04-21
[86] 2018-10-24 (PCT/US2018/057262)
[87] (WO2019/084108)
[30] US (62/576,301) 2017-10-24

[21] **3,079,844**
[13] A1
[51] **Int.Cl. A61K 38/20 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USE OF INTERLEUKIN-10 IN COMBINATION WITH IMMUNE CHECKPOINT PATHWAY INHIBITORS**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION DE L'INTERLEUKINE-10 EN ASSOCIATION AVEC DES INHIBITEURS DE VOIES DE POINTS DE CONTROLE IMMUNITAIRE**
[72] OFT, MARTIN, US
[71] ARMO BIOSCIENCES, INC., US
[85] 2020-04-21
[86] 2018-11-02 (PCT/US2018/058837)
[87] (WO2019/094268)
[30] US (62/584,610) 2017-11-10

[21] **3,079,845**
[13] A1
[51] **Int.Cl. D21F 1/32 (2006.01) D21G 3/00 (2006.01) D21G 9/00 (2006.01)**
[25] EN
[54] **DEPOSIT DETECTION IN A PAPER MAKING SYSTEM VIA VIBRATION ANALYSIS**
[54] **DETECTION DE DEPOT DANS UN SYSTEME DE FABRICATION DE PAPIER PAR ANALYSE DE VIBRATIONS**
[72] LUNEAU, DOMINIC, CA
[72] MOUKANNAS, FOUAD M., CA
[72] FURMAN, GARY S., US
[72] WEINSTEIN, DAVID I., US
[72] VON DRASEK, WILLIAM, US
[71] ECOLAB USA INC., US
[85] 2020-04-21
[86] 2018-10-24 (PCT/US2018/057319)
[87] (WO2019/084144)
[30] US (62/576,416) 2017-10-24

[21] **3,079,847**
[13] A1
[51] **Int.Cl. H01R 4/64 (2006.01)**
[25] EN
[54] **MECHANICAL GROUNDING CLAMP**
[54] **PINCE DE MISE A LA TERRE MECANIQUE**
[72] MARTIN, EVAN, US
[72] TROMBLEY, LOGAN MICHAEL, US
[72] CARBONNEAU, SAM, US
[72] RULAND, REID, US
[71] HUBBELL INCORPORATED, US
[85] 2020-04-21
[86] 2018-11-05 (PCT/US2018/059211)
[87] (WO2019/094332)
[30] US (62/584,187) 2017-11-10

[21] **3,079,848**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/454 (2006.01) A61P 19/02 (2006.01) A61P 19/08 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **SMALL MOLECULE INHIBITORS OF SHARED EPITOPE-CALRETICULIN INTERACTIONS AND METHODS OF USE**
[54] **INHIBITEURS A PETITES MOLECULES INHIBANT DES INTERACTIONS PARTAGEES EPITOPE-CALRETICULINE ET METHODES D'UTILISATION**
[72] HOLOSHITZ, JOSEPH, US
[72] WHITE, ANDREW, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2020-04-21
[86] 2018-11-07 (PCT/US2018/059623)
[87] (WO2019/094469)
[30] US (62/582,584) 2017-11-07

[21] **3,079,849**
[13] A1
[51] **Int.Cl. A61N 1/00 (2006.01) A61N 1/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DELIVERING NEUROREGENERATIVE THERAPY**
[54] **SYSTEMES ET PROCEDES D'ADMINISTRATION DE THERAPIE ANTI-NEURODEGENERATIVE**
[72] WILLAND, MICHAEL PATRICK, CA
[72] AGUIRRE, SERGIO DAVID, CA
[71] EPINEURON TECHNOLOGIES INC., CA
[85] 2020-04-21
[86] 2018-10-24 (PCT/US2018/057375)
[87] (WO2019/084182)
[30] US (62/577,141) 2017-10-25
[30] US (62/683,019) 2018-06-11

[21] **3,079,851**
[13] A1
[51] **Int.Cl. A61M 1/36 (2006.01) A61M 1/34 (2006.01) A61M 1/38 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COLLECTING PLASMA**
[54] **SYSTEME ET PROCEDE DE COLLECTE DE PLASMA**
[72] RAGUSA, MICHAEL, US
[71] HAEMONETICS CORPORATION, US
[85] 2020-04-21
[86] 2018-10-25 (PCT/US2018/057528)
[87] (WO2019/084278)
[30] US (15/793,339) 2017-10-25

[21] **3,079,854**
[13] A1
[51] **Int.Cl. B64D 45/00 (2006.01)**
[25] EN
[54] **MULTIPLE INPUT RELEASE MECHANISM FOR DEPLOYABLE EMERGENCY LOCATOR TRANSMITTER AND FLIGHT RECORDER**
[54] **MECANISME DE LARGAGE A ENTREES MULTIPLES POUR EMETTEUR DE LOCALISATION D'URGENCE DEPLOYABLE ET ENREGISTREUR DE VOL**
[72] WAGGENER, WILLIAM N., US
[72] WEED, MICHAEL E., US
[71] L3 TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-10-25 (PCT/US2018/057532)
[87] (WO2019/084279)
[30] US (15/794,972) 2017-10-26

[21] **3,079,856**
[13] A1
[51] **Int.Cl. E21B 33/06 (2006.01) E21B 19/00 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM AND METHOD FOR TRANSPORTING AND INSTALLING A BOP STACK FOR AN ONSHORE DRILLING RIG**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE TRANSPORT ET D'INSTALLATION D'UN BLOC OBTURATEUR DE PUITS POUR UN APPAREIL DE FORAGE TERRESTRE**
[72] VALADARES, RAPHAEL LUCAS RIBEIRO, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[85] 2020-04-08
[86] 2018-10-11 (PCT/GB2018/052914)
[87] (WO2019/073240)
[30] BR (10 2017 021920-8) 2017-10-11

[21] **3,079,857**
[13] A1
[51] **Int.Cl. C09J 5/04 (2006.01) B29C 65/48 (2006.01) B32B 27/00 (2006.01) C09J 5/06 (2006.01)**
[25] FR
[54] **METHOD FOR ASSEMBLING PARTS, IN PARTICULAR COMPOSITE PARTS WITH FIBROUS REINFORCEMENTS, BY GLUING**
[54] **PROCEDE D'ASSEMBLAGE PAR COLLAGE DE PIECES NOTAMMENT COMPOSITES A RENFORT FIBREUX**
[72] CAVALIERE, FREDERICK, FR
[72] BERMUDEZ, MICHEL, FR
[72] THOMAS, BRUNO, FR
[72] LEFEBURE, PATRICE, FR
[71] AIRBUS (S.A.S.), FR
[71] ARIANEGROUP S.A.S., FR
[85] 2020-04-20
[86] 2018-07-16 (PCT/EP2018/069278)
[87] (WO2019/016142)
[30] FR (1756850) 2017-07-19

[21] **3,079,858**
[13] A1
[51] **Int.Cl. H05K 5/02 (2006.01)**
[25] EN
[54] **THERMAL ISOLATION OF FLIGHT RECORDER MEMORY CORE**
[54] **ISOLATION THERMIQUE DE NOYAU DE MEMOIRE D'ENREGISTREUR DE VOL**
[72] WAGGENER, WILLIAM N., US
[71] L3 TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-10-26 (PCT/US2018/057829)
[87] (WO2019/084483)
[30] US (15/796,588) 2017-10-27

[21] **3,079,859**
[13] A1
[51] **Int.Cl. H05K 5/02 (2006.01) F16L 59/065 (2006.01) G07C 7/00 (2006.01)**
[25] EN
[54] **VACUUM PROTECTED FLIGHT RECORDER MEMORY**
[54] **MEMOIRE D'ENREGISTREUR DE VOL PROTEGEE SOUS VIDE**
[72] WAGGENER, WILLIAM N., US
[71] L3 TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-10-26 (PCT/US2018/057835)
[87] (WO2019/084485)
[30] US (15/796,614) 2017-10-27

[21] **3,079,861**
[13] A1
[51] **Int.Cl. B64D 45/00 (2006.01) G07C 5/02 (2006.01) G07C 5/08 (2006.01) B61L 3/00 (2006.01) G07C 5/00 (2006.01)**
[25] EN
[54] **DISTRIBUTED AIRCRAFT RECORDER SYSTEM**
[54] **SYSTEME D'ENREGISTREUR D'AERONEF DISTRIBUE**
[72] CARRO, EDUARDO M., US
[71] L3 TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-10-30 (PCT/US2018/058215)
[87] (WO2019/089597)
[30] US (15/799,245) 2017-10-31

[21] **3,079,863**
[13] A1
[51] **Int.Cl. A61M 1/16 (2006.01) A61M 39/16 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **A PORT ARRANGEMENT, A PURIFIED WATER PRODUCING APPARATUS COMPRISING THE PORT ARRANGEMENT AND A METHOD FOR PERFORMING PORT CLEANING OF A PURIFIED WATER PRODUCING APPARATUS**
[54] **AGENCEMENT D'ORIFICE, APPAREIL DE PRODUCTION D'EAU PURIFIEE COMPRENANT L'AGENCEMENT D'ORIFICE ET PROCEDE DE CONDUITE DE NETTOYAGE D'ORIFICE D'UN APPAREIL DE PRODUCTION D'EAU PURIFIEE**
[72] JANSSON, OLOF, SE
[72] FLANK, PEDER, SE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[85] 2020-04-21
[86] 2018-10-25 (PCT/EP2018/079279)
[87] (WO2019/086321)
[30] SE (1751357-3) 2017-11-01

[21] **3,079,865**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) C12Q 1/37 (2006.01)**
[25] EN
[54] **METHODS AND PHARMACEUTICAL COMPOSITIONS FOR TREATING TUBULIN CARBOXYPEPTIDASES ASSOCIATED DISEASES**
[54] **METHODES ET COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DES MALADIES ASSOCIEES AUX TUBULINES CARBOXYPEPTIDASES**
[72] ANDRIEUX, ANNIE, FR
[72] MOUTIN, MARIE-JOSE, FR
[72] BOSC, CHRISTOPHE, FR
[72] AILLAUD, CHRYSTELLE, FR
[72] PERIS, LETICIA, FR
[72] DELAGRANGE, PHILIPPE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE GRENOBLE ALPES, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIE ALTERNATIVES, FR
[71] LES LABORATOIRES SERVIER, FR
[85] 2020-04-21
[86] 2018-10-26 (PCT/EP2018/079448)
[87] (WO2019/081730)
[30] EP (17306476.7) 2017-10-26

[21] **3,079,878**
[13] A1
[51] **Int.Cl. D01F 2/00 (2006.01) B01F 5/02 (2006.01) D01F 1/07 (2006.01) D06M 13/322 (2006.01)**
[25] EN
[54] **FLAME RETARDANT CELLULOSIC MAN-MADE FIBRES**
[54] **FIBRES IGNIFUGEES ARTIFICIELLES DE CELLULOSE**
[72] FIRGO, HEINRICH, AT
[72] BISJAK, CLEMENS, AT
[71] LENZING AKTIENGESELLSCHAFT, AT
[85] 2020-04-21
[86] 2018-10-25 (PCT/EP2018/079227)
[87] (WO2019/081617)
[30] EP (17198949.4) 2017-10-27

[21] **3,079,885**
[13] A1
[51] **Int.Cl. F21V 21/04 (2006.01) E04F 11/18 (2006.01) F21S 8/00 (2006.01) F21S 8/02 (2006.01) F21V 15/00 (2015.01) F21V 15/01 (2006.01) F21V 17/00 (2006.01)**
[25] EN
[54] **LIGHTING MODULE ASSEMBLY AND METHOD OF USE**
[54] **ENSEMBLE MODULE D'ECLAIRAGE ET METHODE D'UTILISATION**
[72] MACLEISH, MICHAEL S., US
[72] VIZANKO, JOSHUA, US
[71] R & B WAGNER, INC., US
[85] 2020-04-21
[86] 2018-11-09 (PCT/US2018/060083)
[87] (WO2019/094758)
[30] US (15/808,507) 2017-11-09

[21] **3,079,886**
[13] A1
[51] **Int.Cl. C08J 9/28 (2006.01) B01J 13/00 (2006.01) C08G 73/10 (2006.01)**
[25] EN
[54] **THERMALLY TREATED POLYAMIC AMIDE AEROGEL**
[54] **AEROGEL D'AMIDE POLYAMIQUE TRAITE THERMIQUEMENT**
[72] SAKAGUCHI, ALAN D., US
[72] POE, GARRETT D., US
[72] IRVIN, DAVID J., US
[72] JOAQUIN, ALYSA M., US
[72] MANNING, JANAE D., US
[71] BLUESHIFT MATERIALS, INC., US
[85] 2020-04-21
[86] 2018-11-28 (PCT/US2018/062833)
[87] (WO2019/112855)
[30] US (62/594,786) 2017-12-05

[21] **3,079,887**
[13] A1
[51] **Int.Cl. A61B 5/0464 (2006.01) A61B 5/042 (2006.01) A61B 5/046 (2006.01) A61B 18/14 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR ATRIAL MAPPING, SENSING AND TREATING CARDIAC ARRHYTHMIA**
[54] **DISPOSITIFS ET PROCEDES DE CARTOGRAPHIE ATRIALE , DE DETECTION ET DE TRAITEMENT D'ARYTHMIE CARDIAQUE**
[72] GENEREUX, PHILIPPE, US
[72] KIPPERMAN, ROBERT, US
[72] KUMAR, SARAVANA B., US
[71] 4C MEDICAL TECHNOLOGIES, INC., US
[85] 2020-04-21
[86] 2018-12-04 (PCT/US2018/063721)
[87] (WO2019/112985)
[30] US (62/594,089) 2017-12-04
[30] US (16/207,778) 2018-12-03

[21] **3,079,888**
[13] A1
[51] **Int.Cl. H01M 2/24 (2006.01) B21D 28/04 (2006.01) B21D 28/24 (2006.01) B21D 43/00 (2006.01) B21D 45/00 (2006.01) B26D 5/12 (2006.01)**
[25] EN
[54] **LEAD ACID BATTERY CASE PUNCH AND SENSOR**
[54] **POINCON D'ENCEINTE DE BATTERIE AU PLOMB ET CAPTEUR**
[72] GILMOUR, JIM, US
[71] FARMER MOLD AND MACHINE WORKS, INC., US
[85] 2020-04-21
[86] 2019-01-04 (PCT/US2019/012400)
[87] (WO2019/136286)
[30] US (62/613,955) 2018-01-05

[21] **3,079,889**
[13] A1
[51] **Int.Cl. H02B 13/025 (2006.01) H01H 71/02 (2006.01)**
[25] EN
[54] **SUBSTATION ELECTROMAGNETIC MITIGATION MODULE**
[54] **MODULE D'ATTENUATION ELECTROMAGNETIQUE DE SOUS-STATION**
[72] EASTON, ERIC D., US
[72] BRYANT, KEVIN J., US
[71] CENTERPOINT ENERGY, INC., US
[85] 2020-04-22
[86] 2018-08-29 (PCT/US2018/048428)
[87] (WO2019/094088)
[30] US (62/582,373) 2017-11-07

[21] **3,079,890**
[13] A1
[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **NATURAL GAS LIQUEFACTION BY A HIGH PRESSURE EXPANSION PROCESS USING MULTIPLE TURBOEXPANDER COMPRESSORS**
[54] **LIQUEFACTION DE GAZ NATUREL PAR UN PROCEDE D'EXPANSION A HAUTE PRESSION UTILISANT DE MULTIPLES COMPRESSEURS DE TURBODETENDEUR**
[72] PIERRE, FRITZ, US
[72] YUNKER, WILLIAM N., US
[72] SITES, O. ANGUS, US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-04-22
[86] 2018-09-27 (PCT/US2018/053144)
[87] (WO2019/083676)
[30] US (62/576,989) 2017-10-25

[21] **3,079,891**
[13] A1
[51] **Int.Cl. G08B 13/189 (2006.01) G08B 13/19 (2006.01)**
[25] EN
[54] **WIRELESS RADIO CONTROL FOR SENSORS**
[54] **COMMANDE RADIO SANS FIL POUR CAPTEURS**
[72] BAILEY, CHRISTOPHER LANE, US
[72] WILLIS, TIM, US
[72] YADAV, PRITAM, US
[71] HUBBELL INCORPORATED, US
[85] 2020-04-22
[86] 2018-10-17 (PCT/US2018/056189)
[87] (WO2019/083785)
[30] US (62/576,332) 2017-10-24

[21] **3,079,892**
[13] A1
[51] **Int.Cl. A61N 5/00 (2006.01) A61B 1/00 (2006.01) A61B 8/00 (2006.01) A61B 8/08 (2006.01) A61B 8/12 (2006.01) A61B 17/42 (2006.01) A61F 2/82 (2013.01)**
[25] EN
[54] **INTRACAVITARY APPLICATOR FOR A MEDICAL PROCEDURE**
[54] **APPLICATEUR INTRACAVITAIRE DESTINE A UNE PROCEDURE MEDICALE**
[72] SUBRAMANIAN, MANNY R., US
[72] CUTRER, LLOYD MICHAEL, US
[72] MEHTA, ROHIT V., US
[72] SYED, A. M. NISAR, US
[72] SHARMA, ANIL KUMAR, US
[71] BEST MEDICAL INTERNATIONAL, INC., US
[85] 2020-04-22
[86] 2018-10-19 (PCT/US2018/056634)
[87] (WO2019/083826)
[30] US (62/575,861) 2017-10-23
[30] US (16/162,988) 2018-10-17

[21] **3,079,893**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) B65D 43/22 (2006.01) B65D 53/00 (2006.01)**
[25] EN
[54] **CAPS FOR CATHETER PACKAGES**
[54] **CAPUCHONS POUR EMBALLAGES DE CATHETERS**
[72] O'BRIEN, DANIEL E., US
[72] NAUGHTON, VINCENT, US
[72] CREAVEN, MARTIN P., US
[72] PUPINO, SCOTT J., US
[72] MARCH, DANIEL A., US
[72] HANLEY, JOSEPH N., US
[72] LUDLOW, KEVIN ANTHONY, US
[72] KENDELL, PAIGE ERIN, US
[72] AMBOURN, JEFFREY A., US
[72] WOLGEMUTH, DAVID BENJAMIN, US
[72] NETT, DAVID LOUIS, US
[72] MICHAL, BRANDON LEE, US
[72] BELISLE, CHRISTOPHER L., US
[72] PARMER, TIMOTHY ALAN, US
[71] HOLLISTER INCORPORATED, US
[85] 2020-04-22
[86] 2018-10-19 (PCT/US2018/056693)
[87] (WO2019/083839)
[30] US (62/577,035) 2017-10-25

[21] **3,079,894**
[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01)**
[25] EN
[54] **RAKING RAIL PANEL AND BRACKET SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'APPUI ET DE PANNEAU DE RAIL INCLINE**
[72] TIMMONS, EVAN, US
[71] FORTRESS IRON, LP, US
[85] 2020-04-22
[86] 2018-10-22 (PCT/US2018/056843)
[87] (WO2019/083874)
[30] US (15/790,814) 2017-10-23

[21] **3,079,895**
[13] A1
[51] **Int.Cl. A61L 9/22 (2006.01) F24F 7/00 (2006.01) H01T 19/00 (2006.01) H01T 23/00 (2006.01)**
[25] FR
[54] **IONISER EQUIPPED WITH AN ION-FLUX ACCELERATOR IN PARTICULAR FOR PROTECTION AGAINST MOSQUITOES**
[54] **IONISEUR EQUIPE D'UN ACCELERATEUR DE FLUX IONIQUE NOTAMMENT POUR LA PROTECTION CONTRE LES MOUSTIQUES**
[72] NOTTON, PHILIPPE, FR
[72] GIOVANNETTI, CHRISTOPHE, FR
[72] LAMAMRI, SALAH EDDINE, FR
[71] ANCILIA PROTECT LTD, GB
[85] 2020-04-08
[86] 2018-10-24 (PCT/EP2018/079158)
[87] (WO2019/081580)
[30] FR (1771136) 2017-10-28

[21] **3,079,896**
[13] A1
[51] **Int.Cl. B60C 11/13 (2006.01) B60C 11/03 (2006.01) B60C 11/12 (2006.01)**
[25] EN
[54] **PNEUMATIC VEHICLE TYRE**
[54] **PNEUMATIQUE DE VEHICULE**
[72] SCHLITTENHARD, JAN, DE
[72] BAUER, CLAUDIA, DE
[71] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2020-04-08
[86] 2018-09-11 (PCT/EP2018/074364)
[87] (WO2019/105624)
[30] DE (10 2017 221 582.8) 2017-11-30

[21] **3,079,897**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR THE DEPLETION OF CD117+ CELLS**
[54] **COMPOSITIONS ET PROCEDES POUR LA DEPLETION DES CELLULES CD117+**
[72] PEARSE, BRADLEY R., US
[72] COOKE, MICHAEL, US
[72] BOITANO, ANTHONY, US
[72] PALCHAUDHURI, RAHUL, US
[72] MCDONOUGH, SEAN, US
[72] PANWAR, RAJIV, US
[72] GLANVILLE, JACOB, US
[71] MAGENTA THERAPEUTICS, INC., US
[85] 2020-04-08
[86] 2018-10-23 (PCT/US2018/057180)
[87] (WO2019/084064)
[30] US (62/576,572) 2017-10-24
[30] US (62/596,569) 2017-12-08
[30] US (62/632,967) 2018-02-20
[30] US (62/638,053) 2018-03-02

[21] **3,079,898**
[13] A1
[51] **Int.Cl. B01D 15/18 (2006.01) C13K 1/00 (2006.01) C13K 11/00 (2006.01)**
[25] FR
[54] **REGULATED METHOD FOR SEPARATING A MIXTURE**
[54] **PROCEDE REGULE DE SEPARATION D'UN MELANGE**
[72] PRIEUR, CEDRIC, FR
[72] VALERY, ERIC, FR
[71] NOVASEP PROCESS, FR
[85] 2020-04-21
[86] 2018-11-16 (PCT/FR2018/052871)
[87] (WO2019/097180)
[30] FR (1760830) 2017-11-16

[21] **3,079,899**
[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) A41H 1/02 (2006.01) G01B 3/10 (2020.01)**
[25] FR
[54] **DEVICE FOR TAKING A MEASUREMENT**
[54] **DISPOSITIF DE MESURE D'UNE MENSURATION**
[72] BASSEZ, SOPHIE, FR
[72] OUCHENE, AMINA, FR
[72] LOURME, JEAN-CHRISTOPHE, FR
[72] RENOUT, DAVID, FR
[71] LABORATOIRES INNOTHERA, FR
[85] 2020-04-21
[86] 2018-11-13 (PCT/EP2018/081063)
[87] (WO2019/096778)
[30] FR (1760802) 2017-11-16

[21] **3,079,900**
[13] A1
[51] **Int.Cl. C22B 3/04 (2006.01) C01G 3/00 (2006.01) C22B 7/00 (2006.01) C22B 15/00 (2006.01)**
[25] EN
[54] **RECOVERY OF COPPER FROM HEAP LEACH RESIDUES**
[54] **RECUPERATION DE CUIVRE A PARTIR DE RESIDUS DE LIXIVIATION EN TAS**
[72] LIZAMA, HECTOR, CA
[72] ARRUE, DANILO, CL
[71] TECK METALS LTD., CA
[85] 2020-04-22
[86] 2018-03-14 (PCT/CA2018/050307)
[87] (WO2019/084669)
[30] US (62/579,743) 2017-10-31

[21] **3,079,901**
[13] A1
[51] **Int.Cl. H01H 71/10 (2006.01)**
[25] EN
[54] **LOCKING DEVICE FOR CIRCUIT BREAKER OPERATION DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE POUR DISPOSITIF D'ACTIONNEMENT DE DISJONCTEUR**
[72] PAN, WANJUN, CN
[72] YANG, YANQUN, CN
[71] SHANGHAI LIANGXIN ELECTRICAL CO., LTD, CN
[85] 2020-04-20
[86] 2018-10-17 (PCT/CN2018/110713)
[87] (WO2019/080760)
[30] CN (201711022046.3) 2017-10-26

[21] **3,079,902**
[13] A1
[51] **Int.Cl. C09B 57/00 (2006.01) H01G 9/20 (2006.01)**
[25] EN
[54] **BICHROMIC BIPODAL TRIPHENYLAMINE-BASED DYES WITH HIGH PHOTO-ELECTRON CONVERSION AT LOW LIGHT INTENSITIES**
[54] **COLORANTS A BASE DE TRIPHENYLAMINE BIPODAL BICHROMIQUES A CONVERSION PHOTOELECTRONIQUE ELEVEE A DE FAIBLES INTENSITES LUMINEUSES**
[72] KOIVISTO, BRYAN, CA
[72] FISCHER, BENJAMIN J.D., CA
[72] ABDI, OMAR K., CA
[72] SARYCHEVA, OLGA, CA
[72] HUSSEIN, BURHAN A., CA
[72] SIMOES, SELVYN, CA
[72] BUGUIS, FRANCIS, CA
[72] DEVGAN, HARDEEP S., CA
[71] KOIVISTO, BRYAN, CA
[71] FISCHER, BENJAMIN J.D., CA
[71] ABDI, OMAR K., CA
[71] SARYCHEVA, OLGA, CA
[71] HUSSEIN, BURHAN A., CA
[71] SIMOES, SELVYN, CA
[71] BUGUIS, FRANCIS, CA
[71] DEVGAN, HARDEEP S., CA
[85] 2020-04-21
[86] 2018-10-30 (PCT/CA2018/051381)
[87] (WO2019/084685)
[30] US (62/580,653) 2017-11-02

[21] **3,079,903**
[13] A1
[51] **Int.Cl. G08B 13/196 (2006.01) G08B 13/19 (2006.01) H04R 27/00 (2006.01)**
[25] EN
[54] **BEHAVIORAL INTRUSION DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION D'INTRUSION COMPORTEMENTALE**
[72] MULLINS, SCOTT CHARLES, US
[71] MULLINS, SCOTT CHARLES, US
[85] 2020-04-22
[86] 2018-10-22 (PCT/US2018/056934)
[87] (WO2019/083902)
[30] US (62/577,650) 2017-10-26
[30] US (62/612,259) 2017-12-29
[30] US (15/871,897) 2018-01-15
[30] US (16/056,303) 2018-08-06

[21] **3,079,904**
[13] A1
[51] **Int.Cl. E06B 7/22 (2006.01) A01M 29/30 (2011.01) E06C 7/16 (2006.01)**
[25] EN
[54] **DOOR SEALS WITH RODENT RESISTANT BARRIER; MOUNTING AND SHIELDING STRIPS FOR THE MOUNTING OF SUCH SEALS AND FOR THE PROTECTION OF DOOR LEAVES; MOUNTING TOOLS FOR MOUNTING SUCH DOORSEALS AND MOUNTING AND SHIELDING STRIPS; ASSEMBLIES INCLUDING SUCH DOOR SEALS; METHODS FOR RODENT PROOFING_DOORS AND PROTECTING DOOR LEAVES**
[54] **JOINTS DE PORTE AVEC BARRIERE RESISTANT AUX RONGEURS ; BANDES DE MONTAGE ET DE PROTECTION POUR LE MONTAGE DE TELS JOINTS ET POUR LA PROTECTION DE BATTANTS DE PORTE ; OUTILS DE MONTAGE POUR LE MONTAGE DE TELS JOINTS DE PORTE ET DE BANDES DE MONTAGE ET DE PROTECTION ; ENSEMBLES COMPRENANT DE TELS JOINTS DE PORTE ; PROCEDES POUR PROTEGER LES PORTES CONTRE LES**
[72] VON RYBERG, BJORN, DK
[72] FRIMAND, CLAUS, DK
[71] RODEXIT APS, DK
[85] 2020-04-21
[86] 2018-12-20 (PCT/DK2018/050412)
[87] (WO2019/120454)
[30] DK (PA201700744) 2017-12-22
[30] DK (PA201800009) 2018-01-08
[30] DK (PA201870153) 2018-03-12
[30] DK (PA201800160) 2018-04-13
[30] DK (PA201800238) 2018-05-28
[30] DK (PA201800923) 2018-11-27

[21] **3,079,905**
[13] A1
[51] **Int.Cl. C08F 216/06 (2006.01) C08F 8/12 (2006.01) C08J 7/04 (2020.01) C09D 5/00 (2006.01) C09D 123/04 (2006.01) C09D 129/04 (2006.01)**
[25] EN
[54] **ETHYLENE-VINYL ALCOHOL COPOLYMER PARTICLES, METHOD FOR PRODUCING SAME AND USE OF SAME**
[54] **PARTICULES DE COPOLYMERE D'ETHYLENE-ALCOOL VINYLIQUE, LEUR PROCEDE DE PRODUCTION ET UTILISATION DE CELLES-CI**
[72] TANIDA, TATSUYA, JP
[72] MORIKAWA, KEISUKE, JP
[72] NAKAMAE, MASATO, JP
[72] INADA, SEISUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2020-04-09
[86] 2018-10-16 (PCT/JP2018/038403)
[87] (WO2019/078181)
[30] JP (2017-200943) 2017-10-17

[21] **3,079,906**
[13] A1
[51] **Int.Cl. C07K 7/02 (2006.01) A61K 51/04 (2006.01) C07K 5/00 (2006.01)**
[25] EN
[54] **NOVEL RADIOMETAL-BINDING COMPOUNDS FOR DIAGNOSIS OR TREATMENT OF PROSTATE SPECIFIC MEMBRANE ANTIGEN-EXPRESSING CANCER**
[54] **NOUVEAUX COMPOSES DE LIAISON DE RADIOMETAUX POUR LE DIAGNOSTIC OU LE TRAITEMENT DU CANCER EXPRIMANT UN ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE**
[72] LIN, KUO-SHYAN, CA
[72] BENARD, FRANCOIS, CA
[72] KUO, HSIOU-TING, CA
[72] ZHANG, ZHENGXING, CA
[71] PROVINCIAL HEALTH SERVICES AUTHORITY, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2020-04-22
[86] 2018-10-22 (PCT/CA2018/051336)
[87] (WO2019/075583)
[30] US (62/575,460) 2017-10-22

[21] **3,079,907**
[13] A1
[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 15/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER AND/OR ENHANCING SENSITIVITY TO CANCER TREATMENT BY INCREASING TUMOR MUTATION BURDEN OR TUMOR INDELS**
[54] **METHODES DE TRAITEMENT DU CANCER ET/OU D'AMELIORATION DE LA SENSIBILITE A UN TRAITEMENT CONTRE LE CANCER PAR ACCROISSEMENT DE LA CHARGE DE MUTATIONS TUMORALES OU DES INDELS TUMORAUX**
[72] VINCENT, MARK DAVID, CA
[71] VINCENT, MARK DAVID, CA
[85] 2020-04-22
[86] 2018-10-23 (PCT/CA2018/051341)
[87] (WO2019/079891)
[30] US (62/575,708) 2017-10-23
[30] US (62/580,570) 2017-11-02
[30] US (62/646,147) 2018-03-21
[30] US (62/646,543) 2018-03-22

[21] **3,079,908**
[13] A1
[51] **Int.Cl. C12N 15/866 (2006.01) C07K 14/01 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/34 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01) C12N 15/55 (2006.01) C12N 15/90 (2006.01) C12P 21/02 (2006.01)**
[25] FR
[54] **BACULOVIRUS EXPRESSION SYSTEM**
[54] **SYSTEME D'EXPRESSION BACULOVIRUS**
[72] CERUTTI, MARTINE, FR
[72] JULIANT, SYLVIE, FR
[72] BERNON, CORALIE, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] INSTITUTE NATIONAL DE LA RECHERCHE AGRONOMIQUE, FR
[85] 2020-04-22
[86] 2018-10-25 (PCT/FR2018/052652)
[87] (WO2019/081858)
[30] FR (1760068) 2017-10-25

[21] **3,079,909**
[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 47/69 (2017.01) C12Q 1/6813 (2018.01) C12Q 1/6876 (2018.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07H 21/04 (2006.01) C40B 30/04 (2006.01)**
[25] EN
[54] **APTAMERS AS A THERAPEUTIC TOOL TO PREVENT PROTEIN AGGREGATION IN NEURODEGENERATIVE DISEASE**
[54] **APTAMERES EN TANT QU'OUTIL THERAPEUTIQUE POUR PREVENIR L'AGREGATION DE PROTEINES DANS UNE MALADIE NEURODEGENERATIVE**
[72] DEROSA, MARIA CYNTHIA, CA
[72] HOLAHAN, MATTHEW RICHARD, CA
[72] MCCONNELL, ERIN MARIE, CA
[72] VENTURA, KATELYN VICTORIA, CA
[72] CALLAHAN, JOSHUA PARKER, CA
[72] HUNT, VERNON HAROLD DANIEL, CA
[71] CARLETON UNIVERSITY, CA
[85] 2020-04-21
[86] 2018-10-22 (PCT/CA2018/051335)
[87] (WO2019/079887)
[30] US (62/575,813) 2017-10-23

[21] **3,079,910**
[13] A1
[51] **Int.Cl. B65G 15/08 (2006.01) B65G 15/60 (2006.01)**
[25] EN
[54] **ENCLOSED BELT RAIL CONVEYOR SYSTEM**
[54] **SYSTEME DE TRANSPORTEUR SUR RAILS A BANDE FERMEE**
[72] WHEELER, CRAIG ANTHONY, AU
[72] CARR, MICHAEL, AU
[72] CHEN, BIN, AU
[71] THE UNIVERSITY OF NEWCASTLE, AU
[85] 2020-04-22
[86] 2018-10-26 (PCT/AU2018/051156)
[87] (WO2019/079859)

[21] **3,079,911**
[13] A1
[51] **Int.Cl. B01D 35/22 (2006.01) B01D 29/46 (2006.01) B01D 29/60 (2006.01) B01D 37/04 (2006.01)**
[25] EN
[54] **SELF-CLEANING FILTERING SYSTEM FOR USE IN AGRICULTURAL SPRAYERS**
[54] **SYSTEME DE FILTRAGE AUTO-NETTOYANT APPLIQUE A DES PULVERISATEURS AGRICOLES**
[72] MURILO HAUSTEIN, RUCH, BR
[72] SLOMPO, ROGERIO, BR
[71] MURILO HAUSTEIN, RUCH, BR
[85] 2020-04-22
[86] 2017-12-11 (PCT/BR2017/000143)
[87] (WO2019/079864)
[30] BR (1020170228398) 2017-10-23

[21] **3,079,912**
[13] A1
[51] **Int.Cl. A63F 9/24 (2006.01) H04N 21/475 (2011.01) G06F 3/0481 (2013.01) G06F 3/0482 (2013.01) A63F 13/30 (2014.01)**
[25] EN
[54] **INTERACTIVE SPORTS FAN EXPERIENCE**
[54] **EXPERIENCE INTERACTIVE DE FANS DE SPORTS**
[72] SZEKLINSKI, DEEL CHARLES, US
[72] RACHER-MARR, PATRICIA LEIGH, US
[72] FOWLER, DAVID CHARLES, US
[72] PARKHILL, CHARLES NEVILLE, US
[71] SZEKLINSKI, DEEL CHARLES, US
[71] RACHER-MARR, PATRICIA LEIGH, US
[71] FOWLER, DAVID CHARLES, US
[71] PARKHILL, CHARLES NEVILLE, US
[85] 2020-04-21
[86] 2017-10-27 (PCT/US2017/058764)
[87] (WO2019/083544)

[21] **3,079,913**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) G06F 21/55 (2013.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MONITORING CYBER-EVENTS**
[54] **PROCEDES ET SYSTEMES DE SURVEILLANCE DE CYBER-EVENEMENTS**
[72] DE JESUS, TIAGO ALVES, CA
[71] CYBER DEFENCE QCD CORPORATION, CA
[85] 2020-04-22
[86] 2018-11-05 (PCT/CA2018/051394)
[87] (WO2019/084693)
[30] US (62/581,805) 2017-11-06

[21] **3,079,914**
[13] A1
[51] **Int.Cl. H05B 1/00 (2006.01) H05B 3/04 (2006.01) H05B 3/20 (2006.01)**
[25] EN
[54] **PLANAR ELECTRICAL HEATING APPARATUS WITH MODULAR ASSEMBLY**
[54] **APPAREIL DE CHAUFFAGE ELECTRIQUE PLAT COMPRENANT UN ENSEMBLE MODULAIRE**
[72] JERJIAN, EDWARD, CA
[71] ACQUIRE INDUSTRIES LTD., CA
[85] 2020-04-22
[86] 2018-10-23 (PCT/CA2018/051343)
[87] (WO2019/079893)
[30] US (62/575,771) 2017-10-23

[21] **3,079,915**
[13] A1
[51] **Int.Cl. A61B 1/267 (2006.01) A61B 1/005 (2006.01) A61B 1/05 (2006.01)**
[25] EN
[54] **MECHANICAL LARYNGOSCOPE WITH AN AUTOMATIC OR MANUAL LEVER MECHANISM TO FACILITATE TRACHEAL INTUBATION**
[54] **LARYNGOSCOPE MECANIQUE AVEC MECANISME AUTOMATIQUE OU MANUEL DE LEVIERS POUR FACILITER L'INTUBATION TRACHEALE**
[72] CLEMENTE PEREIRA, GILBERTO, BR
[71] CLEMENTE PEREIRA, GILBERTO, BR
[85] 2020-04-22
[86] 2018-10-16 (PCT/BR2018/050379)
[87] (WO2019/079872)
[30] BR (BR1020170228312) 2017-10-23

[21] **3,079,916**
[13] A1
[51] **Int.Cl. A61K 31/4709 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 47/32 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION CONTAINING QUINOLINE DERIVATIVE**
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN DERIVE DE QUINOLEINE**
[72] ZHANG, XINHUA, CN
[72] WANG, CHENYANG, CN
[72] ZHANG, DAIMEI, CN
[72] BAI, JIANFENG, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2020-04-22
[86] 2018-10-23 (PCT/CN2018/111388)
[87] (WO2019/080830)
[30] CN (201711002771.4) 2017-10-24

[21] **3,079,917**
[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) G06N 20/00 (2019.01) A61B 5/02 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **IN-EAR NONVERBAL AUDIO EVENTS CLASSIFICATION SYSTEM AND METHOD**
[54] **SYSTEME DE CLASSIFICATION D'EVENEMENTS AUDIO NON VERBAUX INTRA-AURICULAIRES ET PROCEDE ASSOCIE**
[72] VOIX, JEREMIE, CA
[72] MONSARRAT-CHANON, HAMI, CA
[72] BOU SERHAL, RACHEL, CA
[72] CARDINAL, PATRICK, CA
[72] CHABOT, PHILIPPE, CA
[71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA
[85] 2020-04-22
[86] 2018-10-29 (PCT/CA2018/051369)
[87] (WO2019/079909)
[30] US (62/578,372) 2017-10-27

[21] **3,079,918**
[13] A1
[51] **Int.Cl. C08G 65/08 (2006.01) B01F 17/42 (2006.01) C07C 41/14 (2006.01) C07C 43/03 (2006.01) C07C 43/11 (2006.01) C08G 65/10 (2006.01)**
[25] FR
[54] **ALKOXYLATED SECONDARY ALCOHOL**
[54] **ALCOOL SECONDAIRE ALCOXYLE**
[72] GILET, JEAN-PHILIPPE, FR
[72] BEILLON, THIERRY, FR
[71] ARKEMA FRANCE, FR
[85] 2020-04-22
[86] 2018-11-08 (PCT/FR2018/052761)
[87] (WO2019/092366)
[30] FR (1760586) 2017-11-10

[21] **3,079,919**
[13] A1
[25] FR
[54] **FIBROUS STRUCTURE AND COMPONENT MADE OF COMPOSITE MATERIAL INCORPORATING SUCH A STRUCTURE**
[54] **STRUCTURE FIBREUSE ET PIECE EN MATERIAU COMPOSITE INCORPORANT UNE TELLE STRUCTURE**
[72] LEFEBVRE, MARIE, FR
[72] CHARLEUX, FRANCOIS, FR
[72] COUPE, DOMINIQUE, FR
[72] GILBERTSON, BROCK, US
[72] BOUCHET, JULIE-ANNE, US
[71] SAFRAN CERAMICS, FR
[71] ALBANY INTERNATIONAL CORP., US
[85] 2020-04-22
[86] 2018-11-09 (PCT/FR2018/052803)
[87] (WO2019/097147)
[30] US (62/585,953) 2017-11-14
[30] FR (1855627) 2018-06-25

[21] **3,079,920**
[13] A1
[51] **Int.Cl. A61N 7/02 (2006.01) A61B 90/00 (2016.01) A61B 17/22 (2006.01) A61N 7/00 (2006.01)**
[25] FR
[54] **APPAREIL DE TRAITEMENT DE LA THROMBOSE VASCULAIRE PAR ULTRASONS**
[54] **APPARATUS FOR TREATING VASCULAR THROMBOSIS BY ULTRASOUNDS**
[72] GOUDOT, GUILLAUME, FR
[72] PERNOT, MATHIEU, FR
[72] TANTER, MICKAEL, FR
[72] VION, MICHAEL, FR
[71] CARDIAWAVE SA, FR
[85] 2020-04-22
[86] 2018-10-18 (PCT/EP2018/078510)
[87] (WO2019/081329)
[30] FR (1759995) 2017-10-23

[21] **3,079,921**
[13] A1
[25] FR
[54] **PROCESS FOR SEPARATING A MIXTURE WITH MEASUREMENT OF PURITY OR YIELD ON AN INTERMEDIATE TANK**
[54] **PROCEDE DE SEPARATION D'UN MELANGE AVEC MESURE DE PURETE OU RENDEMENT SUR UNE CUVE INTERMEDIAIRE**
[72] PRIEUR, CEDRIC, FR
[72] VALERY, ERIC, FR
[71] NOVASEP PROCESS, FR
[85] 2020-04-22
[86] 2018-11-16 (PCT/FR2018/052872)
[87] (WO2019/097181)
[30] FR (1760831) 2017-11-16

[21] **3,079,922**
[13] A1
[51] **Int.Cl. C08F 2/06 (2006.01) C08F 6/00 (2006.01)**
[25] EN
[54] **A METHOD OF RECOVERING OLEFINS IN A SOLUTION POLYMERISATION PROCESS**
[54] **PROCEDE DE RECUPERATION D'OLEFINES DANS UN PROCEDE DE POLYMERISATION EN SOLUTION**
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] ERIKSSON, ERIK, SE
[72] MATHIVANAN, GUHAN, AT
[72] RASANEN, JUKKA, FI
[72] SLEIJSTER, HENRY, NL
[72] VIJAY, SAMEER, AT
[72] ZITTING, SAMULI, FI
[71] BOREALIS AG, AT
[85] 2020-04-22
[86] 2018-11-22 (PCT/EP2018/082173)
[87] (WO2019/110316)
[30] EP (17205096.5) 2017-12-04

[21] **3,079,924**
[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01) G08B 21/24 (2006.01)**
[25] EN
[54] **USAGE DETECTION OF HYGIENE EQUIPMENT**
[54] **DETECTION D'UTILISATION D'EQUIPEMENT D'HYGIENE**
[72] LINDSTROM, HAKAN, SE
[72] ERIKSSON, JOHN, SE
[72] THORBURN, ANNIE, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2020-04-22
[86] 2018-11-29 (PCT/EP2018/082981)
[87] (WO2019/106078)
[30] EP (PCT/EP2017/080797) 2017-11-29

[21] **3,079,925**
[13] A1
[51] **Int.Cl. B65D 85/804 (2006.01) B29C 43/18 (2006.01) B29C 45/14 (2006.01) B29C 45/56 (2006.01) B29C 70/80 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR APPLYING A SEALING MEMBER ONTO A BEVERAGE CAPSULE**
[54] **PROCEDE ET DISPOSITIF POUR APPLIQUER UN ELEMENT D'ETANCHEITE SUR UNE CAPSULE DE BOISSON**
[72] BAMBAGIONI, GUIDO, IT
[72] BEHRMANN, VEITH, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-04-22
[86] 2018-10-19 (PCT/EP2018/078680)
[87] (WO2019/081363)
[30] EP (17198091.5) 2017-10-24

[21] **3,079,926**
[13] A1
[51] **Int.Cl. H01G 9/20 (2006.01)**
[25] EN
[54] **A SOLAR CELL AND A METHOD FOR MANUFACTURING THE SOLAR CELL**
[54] **CELLULE SOLAIRE ET PROCEDE DE FABRICATION DE LA CELLULE SOLAIRE**
[72] LINDSTROM, HENRIK, SE
[71] EXEGER OPERATIONS AB, SE
[85] 2020-04-22
[86] 2018-11-30 (PCT/EP2018/083199)
[87] (WO2019/120946)
[30] EP (17209762.8) 2017-12-21

[21] **3,079,927**
[13] A1
[51] **Int.Cl. C11B 5/00 (2006.01) A23D 7/005 (2006.01)**
[25] EN
[54] **FOOD STABILISING COMPOSITION COMPRISING PLANT-DERIVED INHIBITORS OF FATTY ACID OXIDATION**
[54] **COMPOSITION DE STABILISATION D'ALIMENTS COMPRENANT DES INHIBITEURS, DERIVES DE PLANTES, D'OXYDATION D'ACIDES GRAS**
[72] BIRTIC, SIMONA, FR
[72] HEUDRE, MELANIE MARIE-PAULE PATRICIA, FR
[72] VANTIEGHEM, BERENGERE, FR
[72] TENON, MATHIEU, FR
[72] PIERRE, FRANCOIS-XAVIER, FR
[72] BILY, ANTOINE CHARLES, FR
[71] NATAUREX SA, FR
[85] 2020-04-22
[86] 2018-10-25 (PCT/EP2018/079351)
[87] (WO2019/081681)
[30] GB (1717712.2) 2017-10-27

[21] **3,079,928**
[13] A1
[51] **Int.Cl. G02C 7/04 (2006.01) G02B 1/04 (2006.01)**
[25] EN
[54] **CONTACT LENSES HAVING AN ION-IMPERMEABLE PORTION AND RELATED METHODS**
[54] **LENTILLES DE CONTACT AYANT UNE PARTIE IMPERMEABLE AUX IONS ET PROCEDES ASSOCIES**
[72] PENG, CHENG-CHUN, US
[72] LAZON DE LA JARA, PERCY, US
[71] COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BB
[85] 2020-04-22
[86] 2018-10-22 (PCT/GB2018/053048)
[87] (WO2019/081903)
[30] US (62/576,945) 2017-10-25
[30] GB (1803175.7) 2018-02-27
[30] EP (18158967.2) 2018-02-27

[21] **3,079,929**
[13] A1
[51] **Int.Cl. A61K 9/48 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/53 (2006.01)**
[25] EN
[54] **LIQUID FILLED FORMULATIONS OF PDE5 INHIBITORS**
[54] **FORMULATIONS REMPLIES LIQUIDES D'INHIBITEURS DE PDE5**
[72] SCAMMELLS, PETER JOHN, AU
[72] PORTER, CHRISTOPHER JOHN HAMILTON, AU
[72] BENAMEUR, HASSAN, FR
[72] WILLIAMS, HYWEL DAVID, AU
[72] FORD, LEIGH, AU
[71] MW ENCAP LIMITED, GB
[85] 2020-04-22
[86] 2018-10-23 (PCT/EP2018/078943)
[87] (WO2019/081451)
[30] US (62/577605) 2017-10-26

[21] **3,079,931**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **SELENOPROTEIN P FOR PREDICTION OF A FIRST CARDIOVASCULAR EVENT**
[54] **SELENOPROTEINE P PERMETTANT LA PREDICTION D'UN PREMIER EVENEMENT CARDIOVASCULAIRE**
[72] BERGMANN, ANDREAS, DE
[72] MELANDER, OLLE, SE
[71] SPHINGOTEC GMBH, DE
[85] 2020-04-22
[86] 2018-10-23 (PCT/EP2018/079030)
[87] (WO2019/081504)
[30] EP (17198129.3) 2017-10-24
[30] EP (18162206.9) 2018-03-16

[21] **3,079,932**
[13] A1
[51] **Int.Cl. C08L 23/12 (2006.01)**
[25] EN
[54] **ARTICLE COMPRISING A FIBER REINFORCED POLYPROPYLENE COMPOSITION**
[54] **ARTICLE COMPRENANT UNE COMPOSITION DE POLYPROPYLENE RENFORCEE PAR DES FIBRES**
[72] JERABEK, MICHAEL, AT
[72] STOCKREITER, WOLFGANG, AT
[72] LUMMERSTORFER, THOMAS, AT
[71] BOREALIS AG, AT
[85] 2020-04-22
[86] 2018-12-04 (PCT/EP2018/083410)
[87] (WO2019/110545)
[30] EP (17205463.7) 2017-12-05

[21] **3,079,933**
[13] A1
[51] **Int.Cl. A23L 33/105 (2016.01) A23L 29/231 (2016.01) A23L 2/52 (2006.01) A61K 31/175 (2006.01) A61K 36/23 (2006.01) A61K 39/39 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **ENZYMATICALLY HYDROLYSED PECTIC POLYSACCHARIDES FOR TREATING OR PREVENTING INFECTIONS**
[54] **POLYSACCHARIDES PECTIQUES HYDROLYSES PAR VOIE ENZYMATIQUE DESTINES AU TRAITEMENT OU A LA PREVENTION D'INFECTIONS**
[72] ALBERS, RUUD, NL
[72] TZOUMAKI, MARIA, NL
[71] NUTRILEADS B.V., NL
[85] 2020-04-22
[86] 2018-10-23 (PCT/EP2018/079055)
[87] (WO2019/081523)
[30] EP (17197706.9) 2017-10-23
[30] EP (PCT/EP2018/074127) 2018-09-07

[21] **3,079,934**
[13] A1
[51] **Int.Cl. G01S 5/10 (2006.01)**
[25] EN
[54] **POSITIONING DEVICE, COMMUNICATIONS SYSTEM AND METHOD**
[54] **SYSTEME DE POSITIONNEMENT, SYSTEME DE COMMUNICATION ET PROCEDE**
[72] SHARP, DAVID, GB
[72] ZAMMIT, JOSEPH, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2020-04-22
[86] 2018-12-20 (PCT/EP2018/086105)
[87] (WO2019/122080)
[30] GB (1722290.2) 2017-12-21

[21] **3,079,935**
[13] A1
[51] **Int.Cl. A61L 9/12 (2006.01) B60H 3/00 (2006.01)**
[25] EN
[54] **FRAGRANCE DIFFUSER DEVICE WITH AN END-OF-LIFE INDICATOR, FOR USE ONTO MOTOR VEHICLE VENTILATION GRIDS**
[54] **DISPOSITIF DIFFUSEUR DE FRAGRANCE AVEC INDICATEUR DE FIN DE VIE, DESTINE A ETRE UTILISE SUR DES GRILLES DE VENTILATION DE VEHICULE AUTOMOBILE**
[72] DEFLORIAN, STEFANO, IT
[72] BALDESSARI, STEFANO, IT
[71] ZOBELE HOLDING S.P.A., ES
[85] 2020-04-22
[86] 2018-10-29 (PCT/IB2018/058446)
[87] (WO2019/087036)
[30] IT (102017000123395) 2017-10-30

[21] **3,079,936**
[13] A1
[51] **Int.Cl. A61B 3/13 (2006.01) A61B 90/00 (2016.01) A61B 90/20 (2016.01) A61B 3/12 (2006.01) G02B 21/00 (2006.01) G02B 21/20 (2006.01)**
[25] EN
[54] **COMBINED NEAR INFRARED IMAGING AND VISIBLE IMAGING IN A COMPACT MICROSCOPE STACK**
[54] **IMAGERIE EN INFRAROUGE PROCHE ET IMAGERIE VISIBLE COMBINEES DANS UN EMPILEMENT DE MICROSCOPE COMPACT**
[72] EIL, MARTIN, DE
[72] JOCHINSEN, MAURICIO, US
[72] REN, HUGANG, US
[72] YU, LINGFENG, US
[71] ALCON INC., CH
[85] 2020-04-22
[86] 2018-12-04 (PCT/IB2018/059642)
[87] (WO2019/116165)
[30] US (62/597,630) 2017-12-12

[21] **3,079,937**
[13] A1
[51] **Int.Cl. A24C 5/40 (2006.01)**
[25] EN
[54] **DEVICE FOR FILLING PAPER TUBES WITH TOBACCO**
[54] **DISPOSITIF POUR REMPLIR DES DOUILLES DE PAPIER AVEC DU TABAC**
[72] ROTH, BERNHARD, AT
[71] ROTH, BERNHARD, AT
[85] 2020-04-23
[86] 2018-11-20 (PCT/AT2018/060273)
[87] (WO2019/100093)
[30] AT (A 461/2017) 2017-11-23

[21] **3,079,938**
[13] A1
[51] **Int.Cl. F24F 11/39 (2018.01) F24F 11/89 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PREDICTING HVAC FILTER CHANGE USING TEMPERATURE MEASUREMENTS**
[54] **SYSTEMES ET PROCEDES DE PREDICTION DE CHANGEMENT DE FILTRE DE SYSTEME CVCA A L'AIDE DE MESURES DE TEMPERATURE**
[72] BEN-GAL NGUYEN, NITSAN, US
[72] TAGHVAEEYAN, SABER, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-04-22
[86] 2018-10-19 (PCT/IB2018/058169)
[87] (WO2019/082040)
[30] US (62/576,165) 2017-10-24

[21] **3,079,939**
[13] A1
[51] **Int.Cl. H02J 3/46 (2006.01) B60L 53/30 (2019.01) B60L 53/56 (2019.01) B60L 53/60 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A STATION PROVIDING GRID SUPPORT**
[54] **SYSTEME ET PROCEDE POUR UNE STATION FOURNISSANT UN SUPPORT DE RESEAU ELECTRIQUE**
[72] BEN DAVID, ILAN, IL
[72] PINCU, DAVID, IL
[72] ZOHAR, NIR, IL
[71] CHAKRATEC LTD., IL
[85] 2020-04-22
[86] 2017-10-25 (PCT/IL2017/051170)
[87] (WO2018/078625)
[30] US (62/414,747) 2016-10-30

[21] **3,079,940**
[13] A1
[51] **Int.Cl. E06B 7/22 (2006.01) A01M 29/30 (2011.01) E04B 1/72 (2006.01)**
[25] EN
[54] **SEAL WITH RAT RESISTANT BARRIER**
[54] **JOINT A BARRIERE RESISTANTE AUX RATS**
[72] VON RYBERG, BJORN, DK
[72] LARSEN, KENNETH JOHN SEIFERT, DK
[72] FRIMAND, CLAUS, DK
[71] RODEXIT APS, DK
[85] 2020-04-21
[86] 2017-11-29 (PCT/DK2017/050401)
[87] (WO2018/099533)
[30] DK (PA201670947) 2016-11-30
[30] DK (PA201770302) 2017-05-03
[30] DK (PA201770464) 2017-06-15
[30] DK (PA201700540) 2017-09-29
[30] DK (PA201770793) 2017-10-18

[21] **3,079,941**
[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/204 (2006.01)**
[25] EN
[54] **BEAM HOPPING SYNCHRONIZATION SYSTEM**
[54] **SYSTEME DE SYNCHRONISATION DE SAUT DE FAISCEAU**
[72] LAWS, STEVE, GB
[71] AIRBUS DEFENCE AND SPACE LIMITED, GB
[85] 2020-04-22
[86] 2018-11-28 (PCT/GB2018/053438)
[87] (WO2019/106357)
[30] EP (17275189.3) 2017-11-28

[21] **3,079,943**
[13] A1
[25] EN
[54] **KNOWLEDGE SEARCH ENGINE PLATFORM FOR ENHANCED BUSINESS LISTINGS**
[54] **PLATE-FORME DE MOTEUR DE RECHERCHE DE CONNAISSANCES POUR NOTICES AMELIOREES D'ENTREPRISES**
[72] LERMAN, HOWARD, US
[72] CAFFREY, KEVIN, US
[72] FRAILEY, CATHERINE, US
[72] BERRY, BENJAMIN, US
[72] SHAW, MAX, US
[72] FERRENTINO, MARC, US
[72] TRAN, DAN, US
[72] KENNELL, JONATHAN, US
[72] PENUGONDA, AKUL, US
[71] YEXT, INC., US
[85] 2020-04-22
[86] 2018-10-31 (PCT/US2018/058518)
[87] (WO2019/089802)
[30] US (62/579,748) 2017-10-31
[30] US (62/661,367) 2018-04-23
[30] US (62/671,918) 2018-05-15

[21] **3,079,944**
[13] A1
[51] **Int.Cl. F24C 15/20 (2006.01)**
[25] EN
[54] **EXHAUST CANOPY**
[54] **HOTTE D'ECHAPPEMENT**
[72] KENNY, CHRISTOPHER HILMER, AU
[71] KENFAM PTY LTD, AU
[85] 2020-04-23
[86] 2018-10-22 (PCT/AU2018/051146)
[87] (WO2019/079850)
[30] AU (2017904302) 2017-10-24

[21] **3,079,945**
[13] A1
[51] **Int.Cl. G01D 4/00 (2006.01)**
[25] EN
[54] **RADIO AND ADVANCED METERING DEVICE**
[54] **DISPOSITIF RADIO ET DE MESURE AVANCE**
[72] TORPY, KEITH, AU
[72] MATTHEWS, JUSTIN CLIFFORD, AU
[72] COLLINS, PAUL, AU
[72] CALVERT, CHRIS, US
[72] KARLGAARD, MATT, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2020-04-22
[86] 2018-10-23 (PCT/US2018/056993)
[87] (WO2019/083928)
[30] US (62/576,380) 2017-10-24

[21] **3,079,946**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 11/06 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING OR PREVENTING ASTHMA BY ADMINISTERING AN IL-4R ANTAGONIST**
[54] **METHODES DE TRAITEMENT OU DE PREVENTION DE L'ASTHME PAR ADMINISTRATION D'UN ANTAGONISTE D'IL-4R**
[72] AMIN, NIKHIL, US
[72] GRAHAM, NEIL, US
[72] PIROZZI, GIANLUCA, US
[72] TEPER, ARIEL, US
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-04-22
[86] 2018-10-29 (PCT/US2018/058039)
[87] (WO2019/089473)
[30] US (62/579,120) 2017-10-30
[30] US (62/710,381) 2018-02-16
[30] US (62/647,368) 2018-03-23
[30] EP (18305566.4) 2018-05-04
[30] US (62/742,736) 2018-10-08

[21] **3,079,947**
[13] A1
[51] **Int.Cl. C01B 32/186 (2017.01) B82Y 40/00 (2011.01) C01B 32/18 (2017.01) C01B 32/205 (2017.01)**
[25] EN
[54] **LATTICE-ENGINEERED CARBONS AND THEIR CHEMICAL FUNCTIONALIZATION**
[54] **CARBONES MODIFIES EN RESEAU ET LEUR FONCTIONNALISATION CHIMIQUE**
[72] THOMAS, ABHAY V., US
[72] BISHOP, MATTHEW, US
[71] GRAPHENE TECHNOLOGIES, INC., US
[85] 2020-04-22
[86] 2018-10-23 (PCT/US2018/057082)
[87] (WO2019/083986)
[30] US (62/576,433) 2017-10-24

[21] **3,079,948**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) G06Q 30/04 (2012.01) G06F 15/173 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **INTEGRATING CLOUD APPLICATIONS INTO A CLOUD SERVICE BROKER PLATFORM USING AN AUTOMATED, UNIVERSAL CONNECTOR PACKAGE**
[54] **INTEGRATION D'APPLICATIONS DE NUAGE DANS UNE PLATEFORME DE COURTIER DE SERVICES EN NUAGE A L'AIDE D'UN PACKAGE DE CONNECTEUR UNIVERSEL AUTOMATISE**
[72] KUZKIN, MAXIM, US
[72] GIDDENS, TAYLOR MICHAEL, BG
[72] WIPPICH, DAVID, US
[72] KHAEROV, ALEKSANDR, RU
[72] FONTANOV, DMITRII, RU
[71] INGRAM MICRO, INC., US
[85] 2020-04-22
[86] 2018-10-30 (PCT/US2018/058260)
[87] (WO2019/089629)
[30] US (62/578,992) 2017-10-30

[21] **3,079,949**
[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01) G10L 15/22 (2006.01) H04M 3/493 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FACILITATING AGENT CONVERSATIONS WITH CUSTOMERS OF AN ENTERPRISE**
[54] **PROCEDE ET APPAREIL FACILITANT DES CONVERSATIONS D'UN AGENT AVEC LES CLIENTS D'UNE ENTREPRISE**
[72] KANNAN, PALLIPURAM V., US
[71] [24]7.AI, INC., US
[85] 2020-04-22
[86] 2018-11-01 (PCT/US2018/058728)
[87] (WO2019/089941)
[30] US (62/580,748) 2017-11-02
[30] US (16/174,723) 2018-10-30

[21] **3,079,950**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) B60L 53/36 (2019.01) G05D 1/02 (2020.01)**
[25] EN
[54] **AUTONOMOUS WASTE COLLECTION ASSEMBLY AND MEDICAL WASTE COLLECTION SYSTEM AND METHODS**
[54] **ENSEMBLE AUTONOME DE COLLECTE DE DECHETS ET SYSTEME ET PROCEDES DE COLLECTE DE DECHETS MEDICAUX**
[72] REASONER, STEPHEN J., US
[72] STAATS, ANDREW, US
[72] MACLACHLAN, BRIAN, US
[72] DOLLMAN, TAMITHA M., US
[71] STRYKER CORPORATION, US
[85] 2020-04-22
[86] 2018-10-23 (PCT/US2018/057088)
[87] (WO2019/083992)
[30] US (62/575,833) 2017-10-23

[21] **3,079,951**
[13] A1
[51] **Int.Cl. A23L 29/212 (2016.01) C08B 30/12 (2006.01) C08B 30/20 (2006.01)**
[25] EN
[54] **STARCH BLENDS AND USES THEREOF**
[54] **MELANGES D'AMIDON ET LEURS UTILISATIONS**
[72] WOO, KYUNGSOO, US
[72] YANG, XIN, US
[72] ROA, BRANDON, US
[72] YILDIZ, ERHAN, US
[72] MARTIN, ALICIA, US
[71] CORN PRODUCTS DEVELOPMENT, INC., US
[85] 2020-04-22
[86] 2018-10-30 (PCT/US2018/058296)
[87] (WO2019/089656)
[30] US (62/581,235) 2017-11-03

[21] **3,079,952**
[13] A1
[51] **Int.Cl. A61K 31/33 (2006.01) A61K 47/54 (2017.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07D 347/00 (2006.01) C12Q 1/00 (2006.01) C40B 30/00 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **MITOFLAVOSCINS: TARGETING FLAVIN-CONTAINING ENZYMES ELIMINATES CANCER STEM CELLS (CSCS) BY INHIBITING MITOCHONDRIAL RESPIRATION**
[54] **MITOFLAVOSCINES : CIBLAGE D'ENZYMES CONTENANT DE LA FLAVINE ELIMINANT LES CELLULES SOUCHES CANCEREUSES (CSC) PAR INHIBITION DE LA RESPIRATION MITOCHONDRIALE**
[72] LISANTI, MICHAEL P., US
[72] SOTGIA, FEDERICA, US
[71] LUNELLA BIOTECH, INC., CA
[71] LISANTI, MICHAEL P., US
[71] SOTGIA, FEDERICA, US
[85] 2020-04-22
[86] 2018-10-23 (PCT/US2018/057093)
[87] (WO2019/083997)
[30] US (62/576,287) 2017-10-24

[21] **3,079,953**
[13] A1
[51] **Int.Cl. B21D 39/00 (2006.01) B21D 39/04 (2006.01) B61H 15/00 (2006.01) E04B 1/00 (2006.01)**
[25] EN
[54] **HYDRAULIC EXPANDABLE CONNECTOR**
[54] **RACCORD HYDRAULIQUE EXTENSIBLE**
[72] ESPINOSA, THOMAS M., US
[71] CETRES HOLDINGS, LLC, US
[85] 2020-04-22
[86] 2018-10-31 (PCT/US2018/058509)
[87] (WO2019/089794)
[30] US (62/580,065) 2017-11-01

[21] **3,079,954**
[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) A61B 10/00 (2006.01) B01L 3/00 (2006.01) B01L 7/00 (2006.01) G01N 1/38 (2006.01) G01N 21/76 (2006.01) G01N 33/53 (2006.01) G01N 33/569 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **CARTRIDGE AND SYSTEM FOR ANALYZING BODY LIQUID**
[54] **CARTOUCHE ET SYSTEME POUR ANALYSER UN LIQUIDE CORPOREL**
[72] SALOMON, NOGA, IL
[72] OVED, KFIR, IL
[72] KHALFIN, YANA, IL
[72] KATZENELSON, OMER NAHUM, IL
[72] GELMAN, AMIR, IL
[72] BROUK RUDICH, MORAN, IL
[72] NAVON, ROY, IL
[72] COHEN-DOTAN, ASSAF, IL
[72] EDEN, ERAN, IL
[72] TZABAN, SALIT, IL
[72] ZANGVIL, ARNON, IL
[72] HALBREICH, OFER, IL
[72] FENWICK, MATTHEW, AU
[72] SCOTT-MURPHY, ADRIAN CHARLES IAN, AU
[72] YEUNG, MATTHEW HOU-POU, AU
[72] LUTHER, JAMES WILLIAM, IT
[72] TORNAGHI, BARBARA, IT
[72] BESANA, ANDREA, IT
[72] CRUGNALE, THOMAS SANELLI, AU
[71] MEMED DIAGNOSTICS LTD., IL
[85] 2020-04-22
[86] 2018-09-02 (PCT/IL2018/050972)
[87] (WO2019/087176)
[30] US (62/580,496) 2017-11-02
[30] US (62/581,728) 2017-11-05
[30] US (62/694,083) 2018-07-05

[21] **3,079,955**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR IMPROVING ENGINEERED MICROBES THAT FIX NITROGEN**
[54] **METHODES ET COMPOSITIONS POUR AMELIORER DES MICROBES GENETIQUEMENT MODIFIES QUI FIXENT L'AZOTE**
[72] HIGGINS, DOUGLAS, US
[72] TAMSIR, ALVIN, US
[72] BLOCH, SARAH, US
[71] PIVOT BIO, INC., US
[85] 2020-04-22
[86] 2018-10-23 (PCT/US2018/057174)
[87] (WO2019/084059)
[30] US (62/577,148) 2017-10-25

[21] **3,079,956**
[13] A1
[51] **Int.Cl. C07K 14/755 (2006.01) B01D 15/36 (2006.01) C07K 1/18 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING COMPOSITION CONTAINING FACTOR 8 CAPABLE OF CONTROLLING CONTENT OF VON WILLEBRAND FACTOR (VFW) AND VON WILLEBRAND FACTOR**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION CONTENANT UN FACTEUR 8 CAPABLE DE CONTROLER LA TENEUR EN FACTEUR DE VON WILLEBRAND (VWF) ET FACTEUR DE VON WILLEBRAND**
[72] AHN, JEE WON, KR
[72] KO, KWAN YOUNG, KR
[72] YOON, JEONG HYE, KR
[72] BAEK, SEUNG-HO, KR
[72] KIM, MIN JUNG, KR
[72] YEO, GEUN HYE, KR
[72] LIM, JEONG-AE, KR
[72] KIM, SOO-KWANG, KR
[71] GREEN CROSS HOLDINGS CORPORATION, KR
[85] 2020-04-22
[86] 2018-10-26 (PCT/KR2018/012820)
[87] (WO2019/083319)
[30] KR (10-2017-0141444) 2017-10-27

[21] **3,079,957**
[13] A1
[51] **Int.Cl. A61L 31/16 (2006.01) A61L 27/54 (2006.01) A61L 31/06 (2006.01) A61L 31/12 (2006.01)**
[25] EN
[54] **SOFT TISSUE REPAIR IMPLANTS COMPRISING HYDROXYBUTYRATE**
[54] **IMPLANTS DE REPARATION DE TISSU MOU COMPRENANT DE L'HYDROXYBUTYRATE**
[72] CRAPO, PETER MAUGHAN, US
[72] SHAH, DEVANG VIJAY, US
[72] BADYLAK, STEPHEN F., US
[72] HUSSEY, GEORGE, US
[72] PINEDA MOLINA, CATALINA, US
[72] SICARI, BRIAN, US
[71] DAVOL INC., US
[71] UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[85] 2020-04-22
[86] 2018-10-24 (PCT/US2018/057199)
[87] (WO2019/084073)
[30] US (62/576,403) 2017-10-24

[21] **3,079,958**
[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **BIOPOLYMER SCAFFOLD IMPLANTS AND METHODS FOR THEIR PRODUCTION**
[54] **IMPLANTS D'ECHAFAUDAGE DE BIOPOLYMERE ET LEURS METHODES DE PRODUCTION**
[72] FRANCIS, MICHAEL P., US
[72] MAGHDOURI-WHITE, YAS, US
[72] WRIGGERS, HILARY, US
[72] SORI, NARDOS, US
[72] PETROVA, STELLA, US
[72] POLK, SETH, US
[72] THAYER, NICHOLAS, US
[71] EMBODY INC., US
[85] 2020-04-22
[86] 2018-10-24 (PCT/US2018/057412)
[87] (WO2019/084209)
[30] US (62/707,159) 2017-10-24
[30] US (62/714,367) 2018-08-03
[30] US (62/718,694) 2018-08-14

[21] **3,079,959**
[13] A1
[51] **Int.Cl. A01K 67/027 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF MAKING EXPANDED HEMATOPOIETIC STEM CELLS USING DERIVATIVES OF FLUORENE**
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION DE CELLULES SOUCHES HEMATOPOIETIQUES EXPANSEES METTANT EN OEUVRE DES DERIVES DE FLUORENE**
[72] COTARI, JESSE, US
[72] WEBB, TIMOTHY, CA
[72] WANG, ZHAN, US
[71] TRANSFUSION HEALTH, LLC, US
[85] 2020-04-22
[86] 2018-10-26 (PCT/US2018/057783)
[87] (WO2019/084452)
[30] US (62/578,297) 2017-10-27
[30] US (62/583,328) 2017-11-08

[21] **3,079,960**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61B 5/11 (2006.01) A61M 5/00 (2006.01)**
[25] EN
[54] **A LEVELLING DEVICE FOR POSITIONING OF A MEDICAL DEVICE**
[54] **DISPOSITIF DE MISE A NIVEAU POUR LA MISE EN PLACE D'UN DISPOSITIF MEDICAL**
[72] MANSSON, ROSE-MARIE, SE
[72] WENSBO POSARIC, DAVID, SE
[71] INNOVATION SKANE AB, SE
[85] 2020-04-22
[86] 2018-10-29 (PCT/SE2018/051104)
[87] (WO2019/088902)
[30] SE (SE 1730296-9) 2017-10-30

[21] **3,079,961**
[13] A1
[51] **Int.Cl. F21V 9/40 (2018.01) F21V 23/04 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM PHASE CUTTING APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE COUPURE DE PHASE DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] CHU, JOSEPH YAO HUA, US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-22
[86] 2018-10-25 (PCT/US2018/057473)
[87] (WO2019/084244)
[30] US (62/577,254) 2017-10-26

[21] **3,079,962**
[13] A1
[51] **Int.Cl. C09D 175/04 (2006.01) C09D 7/20 (2018.01) C09D 7/42 (2018.01) B32B 27/20 (2006.01) B32B 27/40 (2006.01) C09D 5/02 (2006.01)**
[25] EN
[54] **LUSTERLESS PAINT AND SKIN MATERIAL**
[54] **PEINTURE MATE ET MATERIAU DE PEAU**
[72] NAKAYAMA, TORU, JP
[72] MATSUOKA, YOICHI, JP
[72] YOSHIDA, MAYO, JP
[72] OYAMA, MASASHI, JP
[71] DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD., JP
[85] 2020-04-22
[86] 2018-10-19 (PCT/JP2018/038963)
[87] (WO2019/082801)
[30] JP (2017-208189) 2017-10-27

[21] **3,079,963**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/54 (2017.01) A61K 51/10 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ALK7 BINDING PROTEINS AND USES THEREOF**
[54] **PROTEINES DE LIAISON A ALK7 ET LEURS UTILISATIONS**
[72] KUMAR, RAVINDRA, US
[72] CASTONGUAY, ROSELYNE, US
[72] SAKO, DIANNE, US
[72] BELK, JONATHAN, US
[72] SHARKEY, NATHAN J., US
[71] ACCELERON PHARMA INC., US
[71] ADIMAB, LLC, US
[85] 2020-04-22
[86] 2018-10-25 (PCT/US2018/057482)
[87] (WO2019/084249)
[30] US (62/577,038) 2017-10-25

[21] **3,079,965**
[13] A1
[51] **Int.Cl. A61L 27/52 (2006.01) A61L 31/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR BONE AND TISSUE REGENERATION AND USES THEREOF**
[54] **COMPOSITIONS POUR REGENERATION OSSEUSE ET TISSULAIRE ET LEURS UTILISATIONS**
[72] TOWNSEND, JAKOB M., US
[72] DETAMORE, MICHAEL S., US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA, US
[85] 2020-04-22
[86] 2018-10-25 (PCT/US2018/057515)
[87] (WO2019/084272)
[30] US (62/576,947) 2017-10-25

[21] **3,079,966**
[13] A1
[51] **Int.Cl. F16D 65/00 (2006.01) B01D 53/04 (2006.01)**
[25] FR
[54] **FILTRATION DEVICE AND USE OF SAID DEVICE FOR SEPARATING AND COLLECTING BRAKE DUST**
[54] **DISPOSITIF DE FILTRATION ET UTILISATION DU DISPOSITIF POUR SEPARER ET COLLECTER LES POUSSIERES DE FREINAGE**
[72] ARNAULT, NICOLAS, FR
[72] GAUTHE, GREGORY, FR
[71] SOGEFI FILTRATION, FR
[71] TALLANO TECHNOLOGIE, FR
[85] 2020-04-22
[86] 2018-11-02 (PCT/FR2018/052710)
[87] (WO2019/086814)
[30] FR (1760377) 2017-11-06

[21] **3,079,967**
[13] A1
[51] **Int.Cl. F21V 8/00 (2006.01)**
[25] EN
[54] **BAR COLLIMATOR, BACKLIGHT SYSTEM AND METHOD**
[54] **COLLIMATEUR A BARRES, SYSTEME ET PROCEDE DE RETROECLAIRAGE**
[72] MA, MING, US
[72] LI, XUEJIAN, US
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2020-04-22
[86] 2017-11-18 (PCT/US2017/062439)
[87] (WO2019/099041)

[21] **3,079,968**
[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61P 37/02 (2006.01) C12N 9/22 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TREATING HYPER-IGM SYNDROME**
[54] **SYSTEMES ET METHODES DE TRAITEMENT DU SYNDROME D'HYPER-IGM**
[72] COTTA-RAMUSINO, CECILLIA, US
[72] MARGULIES, CARRIE M., US
[72] NALDINI, LUIGI, IT
[72] GENOVESE, PIETRO, IT
[71] EDITAS MEDICINE, INC., US
[71] FONDAZIONE TELETHON, IT
[71] OSPEDALE SAN RAFFAELE, IT
[85] 2020-04-22
[86] 2018-10-24 (PCT/US2018/057354)
[87] (WO2019/084168)
[30] US (62/576,277) 2017-10-24
[30] US (62/664,800) 2018-04-30
[30] US (62/673,039) 2018-05-17
[30] US (62/690,284) 2018-06-26
[30] US (62/746,900) 2018-10-17

[21] **3,079,969**
[13] A1
[51] **Int.Cl. B60W 40/08 (2012.01) G06Q 10/08 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **NETWORK COMPUTER SYSTEM TO EVALUATE AN OPERATOR OF A FREIGHT VEHICLE**
[54] **SYSTEME INFORMATIQUE EN RESEAU PERMETTANT D'EVALUER UN OPERATEUR D'UN VEHICULE DE FRET**
[72] MADRIGAL, LUIS, US
[72] LASKER, EYAL, US
[72] GUO, XIAO, US
[72] PYAPALI, PADMINI, US
[72] ZHANG, TONY RAN, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-04-22
[86] 2018-10-25 (PCT/US2018/057538)
[87] (WO2019/084282)
[30] US (62/576,859) 2017-10-25
[30] US (15/804,829) 2017-11-06
[30] US (15/804,838) 2017-11-06

[21] **3,079,970**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **ASSET MANAGEMENT DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES DE GESTION D'ACTIFS**
[72] MITCH, ELEANOR, US
[72] PATEL, DHARMESH, US
[71] SAFEFLIGHTS INC., D.B.A. 14BIS SUPPLY TRACKING, US
[85] 2020-04-22
[86] 2018-10-25 (PCT/US2018/057546)
[87] (WO2019/084289)
[30] US (62/576,812) 2017-10-25
[30] US (62/608,325) 2017-12-20

[21] **3,079,971**
[13] A1
[51] **Int.Cl. G09F 19/12 (2006.01) G09F 9/37 (2006.01) G09F 13/00 (2006.01) G09F 13/30 (2006.01) G09F 19/02 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR ROTATING DISPLAY**
[54] **SYSTEMES DE COMMANDE D'UN DISPOSITIF D'AFFICHAGE ROTATIF**
[72] ONUKI, MAKOTO, JP
[71] LIFE IS STYLE CO.,LTD., JP
[85] 2020-04-22
[86] 2018-10-23 (PCT/JP2018/039291)
[87] (WO2019/087857)
[30] JP (2017-213310) 2017-11-02

[21] **3,079,972**
[13] A1
[51] **Int.Cl. F21V 9/40 (2018.01) F21V 23/00 (2015.01) F21V 23/04 (2006.01) H05B 33/08 (2020.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM USER INTERFACE APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES D'INTERFACE UTILISATEUR DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] MORARIU, GEORGE, US
[72] MOTT, DAVID CREIGHTON, US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-22
[86] 2018-10-26 (PCT/US2018/057686)
[87] (WO2019/084387)
[30] US (62/577,222) 2017-10-26

[21] **3,079,973**
[13] A1
[51] **Int.Cl. H05B 47/19 (2020.01) F21V 9/40 (2018.01) H05B 47/105 (2020.01) F21V 23/00 (2015.01) F21V 23/06 (2006.01) H01H 9/16 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM MULTI-WAY-DETECTION APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE SYSTEME DE DETECTION MULTIVOIE DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] SMITH, IAN CHARLES, US
[72] LARK, WILLIAM, JR., US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-22
[86] 2018-10-26 (PCT/US2018/057716)
[87] (WO2019/084407)
[30] US (62/577,314) 2017-10-26

[21] **3,079,974**
[13] A1
[51] **Int.Cl. A62B 7/14 (2006.01) G05D 16/06 (2006.01) G05D 16/20 (2006.01)**
[25] EN
[54] **REGULATING DEVICE, APPARATUS AND METHOD FOR GENERATING BREATHING GAS**
[54] **DISPOSITIF DE REGULATION, APPAREIL ET PROCEDE DE GENERATION DE GAZ RESPIRABLE**
[72] CAILLAUD, AURELIE, FR
[72] CAZENAVE, JEAN-MICHEL, FR
[72] DOMENGET, ALEXANDRE, FR
[72] PENTAGORA, ALEXANDRE, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2020-04-23
[86] 2018-08-09 (PCT/FR2018/052042)
[87] (WO2019/086773)
[30] FR (1760210) 2017-10-30

[21] **3,079,976**
[13] A1
[51] **Int.Cl. A23J 3/34 (2006.01) A23L 33/18 (2016.01) A23L 33/185 (2016.01) A23J 1/14 (2006.01) A23L 2/66 (2006.01)**
[25] EN
[54] **PEA PROTEIN HYDROLYSATE**
[54] **HYDROLYSAT DE PROTEINES DE POIS**
[72] HAN, SONIA, US
[72] ISMAIL, PAM, US
[72] TIES, PAIGE, US
[72] MITACEK, RACHEL, US
[71] CARGILL, INCORPORATED, US
[85] 2020-04-22
[86] 2018-11-02 (PCT/US2018/058830)
[87] (WO2019/090011)
[30] US (62/581,359) 2017-11-03

[21] **3,079,977**
[13] A1
[51] **Int.Cl. B25J 9/00 (2006.01)**
[25] FR
[54] **EXOSKELETON STRUCTURE ADAPTED TO THE SHOULDER**
[54] **STRUCTURE D'EXOSQUELETTE ADAPTE A L'EPAULE**
[72] ZOSO, NATHANIEL, CA
[72] GRENIER, JORDANE, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[71] B-TEMIA INC., CA
[85] 2020-04-23
[86] 2018-10-24 (PCT/FR2018/052642)
[87] (WO2019/081851)
[30] FR (1760027) 2017-10-24

[21] **3,079,979**
[13] A1
[51] **Int.Cl. C23C 4/134 (2016.01) C23C 4/129 (2016.01) C23C 4/10 (2016.01) C23C 28/04 (2006.01)**
[25] FR
[54] **PART COMPRISING A PROTECTIVE COATING HAVING A GRADUAL COMPOSITION**
[54] **PIECE COMPORTANT UN REVETEMENT DE PROTECTION A COMPOSITION GRADUELLE**
[72] BIANCHI, LUC, FR
[72] SALLOT, PIERRE, FR
[71] SAFRAN, FR
[85] 2020-04-23
[86] 2018-10-26 (PCT/FR2018/052668)
[87] (WO2019/081870)
[30] FR (1760089) 2017-10-26

[21] **3,079,980**
[13] A1
[51] **Int.Cl. C09D 1/00 (2006.01) C01B 21/06 (2006.01) C01B 35/00 (2006.01) C01B 35/08 (2006.01) C03C 17/22 (2006.01) C03C 25/42 (2006.01) C04B 41/87 (2006.01) C08J 7/06 (2006.01) C23C 22/00 (2006.01)**
[25] EN
[54] **MODIFIED BORON NITRIDE NANOTUBES AND SOLUTIONS THEREOF**
[54] **NANOTUBES DE NITRURE DE BORE MODIFIE ET LEURS SOLUTIONS**
[72] GUAN, JINGWEN, CA
[72] SIMARD, BENOIT, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2020-04-23
[86] 2018-10-04 (PCT/CA2018/051254)
[87] (WO2019/079882)
[30] US (62/578,003) 2017-10-27

[21] **3,079,982**
[13] A1
[51] **Int.Cl. C07F 9/09 (2006.01) C23F 11/10 (2006.01) C23F 11/167 (2006.01)**
[25] FR
[54] **SECONDARY ALCOHOL PHOSPHATE ESTER**
[54] **ESTER DE PHOSPHATE D'ALCOOL SECONDAIRE**
[72] GONZALEZ LEON, JUAN ANTONIO, FR
[72] GILLET, JEAN-PHILIPPE, FR
[72] BARRETO, GILLES, FR
[72] BOURET, CARL, FR
[71] ARKEMA FRANCE, FR
[85] 2020-04-23
[86] 2018-11-08 (PCT/FR2018/052762)
[87] (WO2019/092367)
[30] FR (1760587) 2017-11-10

[21] **3,079,983**
[13] A1
[51] **Int.Cl. B65F 3/02 (2006.01) B25J 9/18 (2006.01) B25J 19/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING WASTE RECEPTACLES USING CONVOLUTIONAL NEURAL NETWORKS**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE POUBELLES A L'AIDE DE RESEAUX NEURONAUX A CONVOLUTION**
[72] SZOKE-SIESWERDA, JUSTIN, CA
[72] MCISAAC, KENNETH ALEXANDER, CA
[72] VAN KAMPEN, LEO, CA
[71] WATERLOO CONTROLS INC., CA
[85] 2020-04-23
[86] 2018-10-18 (PCT/CA2018/051312)
[87] (WO2019/079883)
[30] US (62/576,393) 2017-10-24

[21] **3,079,984**
[13] A1
[51] **Int.Cl. G01N 21/00 (2006.01) G01N 21/47 (2006.01) G01N 21/59 (2006.01) G01N 21/62 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **OPTICAL MEASUREMENT METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE MESURE OPTIQUE**
[72] PRENNER, ELMAR, CA
[72] SINGH, KIRAT, CA
[71] ALBERTA BIOPHOTONICS INC., CA
[85] 2020-04-23
[86] 2018-10-31 (PCT/CA2018/051387)
[87] (WO2019/084689)
[30] CA (2,984,276) 2017-10-31
[30] CA (2,984,288) 2017-11-01
[30] US (62/703,125) 2018-07-25

[21] **3,079,985**
[13] A1
[51] **Int.Cl. C12Q 1/6897 (2018.01) C12N 9/12 (2006.01) C12N 15/54 (2006.01) C12N 15/62 (2006.01) C12N 15/79 (2006.01) C12Q 1/48 (2006.01)**
[25] EN
[54] **METHODS FOR PREDICTING KINASE INHIBITOR RESISTANCE**
[54] **METHODE DE PREDICTION D'UNE RESISTANCE AUX INHIBITEURS DE KINASES**
[72] IVERSON, BRENT, US
[72] GEORGIOU, GEORGE, US
[72] DESAUTELLE, JOSEPH, US
[72] TAFT, JOSEPH, US
[71] RESEARCH DEVELOPMENT FOUNDATION, US
[85] 2020-04-22
[86] 2018-11-02 (PCT/US2018/058834)
[87] (WO2019/090014)
[30] US (62/580,556) 2017-11-02

[21] **3,079,986**
[13] A1
[51] **Int.Cl. C07C 305/10 (2006.01) B01F 17/00 (2006.01) C11D 1/29 (2006.01)**
[25] FR
[54] **ALKOXYLATED SECONDARY ALCOHOL SULFATES**
[54] **SULFATES D'ALCOOLS SECONDAIRES ALCOXYLES**
[72] GILLET, JEAN-PHILIPPE, FR
[72] GONZALEZ LEON, JUAN ANTONIO, FR
[72] BOURET, CARL, FR
[71] ARKEMA FRANCE, FR
[85] 2020-04-23
[86] 2018-11-08 (PCT/FR2018/052763)
[87] (WO2019/092368)
[30] FR (1760597) 2017-11-10

[21] **3,079,988**
[13] A1
[51] **Int.Cl. B32B 23/08 (2006.01) B32B 9/02 (2006.01) C03C 17/42 (2006.01) C04B 41/89 (2006.01)**
[25] EN
[54] **SACCHARIDE-BASED COMPOSITION FOR PROVIDING THERMAL INSULATION AND METHOD OF USE THEREOF**
[54] **COMPOSITION A BASE DE SACCHARIDE POUR FOURNIR UNE ISOLATION THERMIQUE ET SON PROCEDE D'UTILISATION**
[72] YANG, QI, CA
[72] BUGUIS, FRANCIS, CA
[71] VIVAVAX INC., CA
[85] 2020-04-23
[86] 2018-10-31 (PCT/CA2018/051388)
[87] (WO2019/084690)
[30] US (62/580,550) 2017-11-02

[21] **3,079,990**
[13] A1
[51] **Int.Cl. H01H 71/24 (2006.01)**
[25] EN
[54] **CLAPPER-TYPE ELECTROMAGNETIC RELEASE FOR MINIATURE CIRCUIT BREAKER**
[54] **DECLENCHEUR ELECTROMAGNETIQUE DE TYPE A CLAPET POUR DISJONCTEUR MINIATURE**
[72] PAN, WANJUN, CN
[72] YANG, YANQUN, CN
[71] SHANGHAI LIANGXIN ELECTRICAL CO., LTD, CN
[85] 2020-04-23
[86] 2018-10-17 (PCT/CN2018/110716)
[87] (WO2019/080762)
[30] CN (201711014353.7) 2017-10-26

[21] **3,079,991**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF NOX INHIBITORS FOR TREATMENT OF CANCER**
[54] **UTILISATION D'INHIBITEURS DE NOX POUR LE TRAITEMENT DU CANCER**
[72] WIESEL, PHILIPPE, FR
[72] HEITZ, FREDDY, CH
[72] THOMAS, GARETH, GB
[72] HANLEY, CHRISTOPHER, GB
[72] FORD, KIRSTY, GB
[71] GENKYOTEX SUISSE SA, CH
[71] UNIVERSITY OF SOUTHAMPTON, GB
[85] 2020-04-22
[86] 2018-11-01 (PCT/EP2018/079945)
[87] (WO2019/086579)
[30] EP (17199601.0) 2017-11-01

[21] **3,079,992**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/00 (2006.01) A61P 37/08 (2006.01)**
[25] EN
[54] **TREATING IGE-MEDIATED ALLERGIC DISEASES**
[54] **TRAITEMENT DE MALADIES ALLERGIQUES MEDIEES PAR IGE**
[72] LU, KUNG-MING, CN
[72] CHEN, NIEN-YI, CN
[72] CHENG, TIEN-TIEN, CN
[71] ONENESS BIOTECH CO. LTD., CN
[85] 2020-04-23
[86] 2018-10-30 (PCT/CN2018/112714)
[87] (WO2019/085902)
[30] US (62/579,416) 2017-10-31

[21] **3,079,993**
[13] A1
[51] **Int.Cl. A23L 33/135 (2016.01) A61K 35/742 (2015.01) A23L 33/16 (2016.01) A23L 33/175 (2016.01) A23L 33/18 (2016.01) A23L 2/52 (2006.01) A61K 31/198 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITION AND METHOD FOR GERMINATIVE COMPOUNDS IN PROBIOTIC FOOD AND BEVERAGE PRODUCTS FOR HUMAN CONSUMPTION**
[54] **COMPOSITION ET PROCEDE POUR DES COMPOSES GERMINATIFS DANS DES PRODUITS ALIMENTAIRES ET DES BOISSONS PROBIOTIQUES POUR LA CONSOMMATION HUMAINE**
[72] CHURCH, JORDAN E., US
[72] EVERETT, GABRIEL F.K., US
[72] GREENWALD, CHARLES J., US
[72] LEVY, JR., LESTER, US
[71] NCH CORPORATION, US
[85] 2020-04-22
[86] 2018-11-02 (PCT/US2018/058944)
[87] (WO2019/090065)
[30] US (62/581,324) 2017-11-03
[30] US (62/596,424) 2017-12-08

[21] **3,079,994**
[13] A1
[51] **Int.Cl. A61K 31/495 (2006.01) A61P 25/18 (2006.01)**
[25] EN
[54] **TREATMENT OF SCHIZOPHRENIA**
[54] **TRAITEMENT DE LA SCHIZOPHRENIE**
[72] TONNER, FRANCOISE, FR
[72] MUCCI, ARMIDA, IT
[71] PIERRE FABRE MEDICAMENT, FR
[85] 2020-04-22
[86] 2018-11-05 (PCT/EP2018/080154)
[87] (WO2019/086661)
[30] US (62/581,249) 2017-11-03

[21] **3,079,995**
[13] A1
[51] **Int.Cl. A63G 31/16 (2006.01) A63G 7/00 (2006.01) A63G 31/00 (2006.01)**
[25] EN
[54] **SPEED SIMULATION EFFECT**
[54] **EFFET DE SIMULATION DE VITESSE**
[72] BLUHM, RICHARD DELOS, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-04-22
[86] 2018-11-05 (PCT/US2018/059183)
[87] (WO2019/094323)
[30] US (15/806,026) 2017-11-07

[21] **3,079,997**
[13] A1
[51] **Int.Cl. A63G 29/02 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A SPHERE RIDE**
[54] **SYSTEMES ET PROCEDES POUR MANEGE A SPHERE**
[72] FREEDMAN, DANIEL MATTHEW, US
[72] HAN, JI HYUN, US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-04-22
[86] 2018-11-05 (PCT/US2018/059187)
[87] (WO2019/094325)
[30] US (15/806,053) 2017-11-07

[21] **3,079,998**
[13] A1
[51] **Int.Cl. G01S 11/00 (2006.01) G06N 3/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **MOTION DETECTION BASED ON MACHINE LEARNING OF WIRELESS SIGNAL PROPERTIES**
[54] **DETECTION DE MOUVEMENT FONDEE SUR UN APPRENTISSAGE AUTOMATIQUE DE PROPRIETES DE SIGNAUX SANS FIL**
[72] PIAO, YUNFENG, CA
[72] OLEKAS, CHRISTOPHER VYTAUTAS, CA
[72] ZAKHAROV, MIKHAIL ALEXAND, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2020-04-23
[86] 2018-02-08 (PCT/CA2018/050144)
[87] (WO2019/109163)
[30] US (15/836,606) 2017-12-08

[21] **3,079,999**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/02 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **TARGETING LILRB4 WITH CAR-T OR CAR-NK CELLS IN THE TREATMENT OF CANCER**
[54] **CIBLAGE DE LILRB4 AVEC DES CELLULES CAR-T OU CAR-NK DANS LE TRAITEMENT DU CANCER**
[72] ZHANG, CHENGCHENG, US
[72] JOHN, SAMUEL, US
[72] CHEN, HEYU, US
[72] DENG, MI, US
[72] GUI, XUN, US
[72] ZHANG, NINGYAN, US
[72] AN, ZHIQIANG, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-04-22
[86] 2018-11-06 (PCT/US2018/059362)
[87] (WO2019/094360)
[30] US (62/582,769) 2017-11-07
[30] US (62/583,825) 2017-11-09
[30] US (62/584,770) 2017-11-11

[21] **3,080,001**
[13] A1
[51] **Int.Cl. A61K 36/67 (2006.01) A61K 31/16 (2006.01) A61P 25/00 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01) C07B 63/00 (2006.01) C07C 311/00 (2006.01)**
[25] EN
[54] **PIPER LAETISPICUM EXTRACT AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **EXTRAIT DE PIPER LAETISPICUM ET SA METHODE DE PREPARATION ET SON UTILISATION**
[72] DING, XIUJUAN, CN
[72] CHEN, WU, CN
[72] JIANG, YI, CN
[72] LI, YONGBAO, CN
[71] SUZHOU YI-HUA BIOMEDICAL TECHNOLOGY CO., LTD, CN
[85] 2020-04-23
[86] 2018-10-29 (PCT/CN2018/112318)
[87] (WO2019/085847)
[30] CN (201711072049.8) 2017-11-01

[21] **3,080,002**
[13] A1
[51] **Int.Cl. G06T 7/80 (2017.01) G06K 9/46 (2006.01)**
[25] EN
[54] **TARGET, METHOD, AND SYSTEM FOR CAMERA CALIBRATION**
[54] **CIBLE, PROCEDE ET SYSTEME D'ETALONNAGE DE CAMERA**
[72] WENDEL, ANDREAS, US
[72] GRABE, VOLKER, US
[72] DITTMER, JEREMY, US
[72] MORRISS, ZACHARY, US
[71] WAYMO LLC, US
[85] 2020-03-27
[86] 2018-09-19 (PCT/US2018/051690)
[87] (WO2019/067283)
[30] US (15/720,979) 2017-09-29

[21] **3,080,003**
[13] A1
[51] **Int.Cl. G01M 3/24 (2006.01) E03B 7/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO DETECT LEAKS**
[54] **PROCEDES ET APPAREIL DE DETECTION DE FUITES**
[72] COLE, PHILLIP ALAN, US
[71] ITRON, INC., US
[85] 2020-04-22
[86] 2018-11-09 (PCT/US2018/059959)
[87] (WO2019/094678)
[30] US (15/808,539) 2017-11-09

[21] **3,080,004**
[13] A1
[51] **Int.Cl. G01S 11/02 (2010.01) H04W 4/02 (2018.01) H04W 84/10 (2009.01)**
[25] EN
[54] **MOTION DETECTION IN MESH NETWORKS**
[54] **DETECTION DE MOUVEMENT DANS DES RESEAUX MAILLES**
[72] MANKU, TAJINDER, CA
[72] KRAVETS, OLEKSIY, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2020-04-23
[86] 2018-09-10 (PCT/CA2018/051106)
[87] (WO2019/109166)
[30] US (62/595,270) 2017-12-06
[30] US (15/968,290) 2018-05-01

[21] **3,080,005**
[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **META-LEARNING FOR MULTI-TASK LEARNING FOR NEURAL NETWORKS**
[54] **META-APPRENTISSAGE POUR APPRENTISSAGE MULTITACHE POUR RESEAUX NEURONAUX**
[72] RABINOVICH, ANDREW, US
[72] BADRINARAYANAN, VIJAY, US
[72] RAJENDRAN, SRIVIGNESH, US
[72] LEE, CHEN-YU, US
[71] MAGIC LEAP, INC., US
[85] 2020-04-22
[86] 2018-11-09 (PCT/US2018/060158)
[87] (WO2019/099305)
[30] US (62/586,154) 2017-11-14

[21] **3,080,006**
[13] A1
[51] **Int.Cl. G01N 24/08 (2006.01) G01R 33/44 (2006.01) G01R 33/38 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A CALIBRATION SPECIFICATION, METHOD FOR DETERMINING AN ABSOLUTE HUMIDITY, AND NMR MEASURING DEVICE**
[54] **PROCEDE DE DETERMINATION D'UNE PROCEDURE D'ETALONNAGE, PROCEDE DE DETERMINATION DE L'HUMIDITE ABSOLUE ET DISPOSITIF DE MESURE DE RMN**
[72] EDELMANN, MARKUS, DE
[71] ROBERT BOSCH GMBH, DE
[85] 2020-04-23
[86] 2018-09-14 (PCT/EP2018/074944)
[87] (WO2019/081124)
[30] DE (10 2017 219 378.6) 2017-10-27

[21] **3,080,007**
[13] A1
[51] **Int.Cl. H01M 4/86 (2006.01)**
[25] EN
[54] **MICROPOROUS LAYER STRUCTURE OF FUEL CELL AND PREPARATION METHOD THEREFOR, AND FUEL CELL CATHODE ASSEMBLY**
[54] **STRUCTURE DE COUCHE MICROPOREUSE DE PILE A COMBUSTIBLE ET SON PROCEDE DE PREPARATION, ET ENSEMBLE CATHODE DE PILE A COMBUSTIBLE**
[72] WAN, NIANFANG, CN
[72] LIANG, JIANYING, CN
[72] LI, KELEI, CN
[72] ZHANG, WENCHAO, CN
[72] ZHANG, XU, CN
[71] CRRC QINGDAO SIFANG CO., LTD., CN
[85] 2020-04-23
[86] 2018-11-05 (PCT/CN2018/113914)
[87] (WO2019/086024)
[30] CN (201711078816.6) 2017-11-06
[30] CN (201721467506.9) 2017-11-06

[21] **3,080,008**
[13] A1
[51] **Int.Cl. H01M 8/1004 (2016.01)**
[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY OF FUEL CELL AND PREPARATION METHOD THEREFOR**
[54] **ENSEMBLE ELECTRODE A MEMBRANE DE PILE A COMBUSTIBLE ET PROCEDE DE PREPARATION ASSOCIE**
[72] WAN, NIANFANG, CN
[72] DING, SANSAN, CN
[72] ZHANG, WENCHAO, CN
[72] LI, KELEI, CN
[72] LI, YANKUN, CN
[71] CRRC QINGDAO SIFANG CO., LTD., CN
[85] 2020-04-23
[86] 2018-11-05 (PCT/CN2018/113915)
[87] (WO2019/086025)
[30] CN (201711078834.4) 2017-11-06
[30] CN (201721466595.5) 2017-11-06

[21] **3,080,009**
[13] A1
[51] **Int.Cl. G10L 25/63 (2013.01) G10L 25/66 (2013.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING PHYSIOLOGICAL STATE**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE L'ETAT PHYSIOLOGIQUE**
[72] BARNETT, JENNIFER HELEN, GB
[72] CORMACK, FRANCESCA KATHLEEN, GB
[72] TAPTIKLIS, NICHOLAS THEODORE, GB
[72] SU, MERINA TONG, GB
[71] CAMBRIDGE COGNITION LIMITED, GB
[85] 2020-04-23
[86] 2018-10-24 (PCT/GB2018/053062)
[87] (WO2019/081915)
[30] GB (1717469.9) 2017-10-24

[21] **3,080,011**
[13] A1
[51] **Int.Cl. C09K 8/524 (2006.01) A61K 8/06 (2006.01) C09K 8/26 (2006.01) C09K 8/584 (2006.01) C09K 8/68 (2006.01) C11D 17/00 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **MICROEMULSION FLOWBACK AIDS FOR OILFIELD USES**
[54] **ADJUVANTS DE REFLUX SOUS FORME DE MICROEMULSION POUR DES UTILISATIONS EN CHAMP PETROLIFERE**
[72] HUTCHISON, JOHN C., US
[71] STEPAN COMPANY, US
[85] 2020-04-22
[86] 2018-11-12 (PCT/US2018/060245)
[87] (WO2019/099316)
[30] US (62/585,706) 2017-11-14

[21] **3,080,013**
[13] A1
[51] **Int.Cl. A61F 13/02 (2006.01) A61F 5/443 (2006.01) A61F 5/445 (2006.01) A61L 24/00 (2006.01) A61L 26/00 (2006.01)**
[25] EN
[54] **BUFFERED ADHESIVE COMPOSITIONS FOR SKIN-ADHERING MEDICAL PRODUCTS**
[54] **COMPOSITIONS ADHESIVES TAMPONNEES POUR PRODUITS MEDICAUX ADHERANT A LA PEAU**
[72] WOHLGEMUTH, JAN, US
[72] MAACK, METTE, US
[72] RIKHOF, CARSTEN, US
[72] SKOV, PETER, US
[72] NIELSEN, KRISTOFFER, US
[72] LADEFOGED, PER, US
[72] NIELSEN, KENNETH, US
[72] TAYLOR, MICHAEL, US
[72] MURAHATA, RICHARD, US
[71] HOLLISTER INCORPORATED, US
[85] 2020-04-22
[86] 2018-11-15 (PCT/US2018/061272)
[87] (WO2019/099662)
[30] US (15/813,615) 2017-11-15

[21] **3,080,014**
[13] A1
[51] **Int.Cl. H02G 1/12 (2006.01)**
[25] EN
[54] **GRIPPER JAWS AND BLADES FOR AN INSULATION STRIPPER, AND INSULATION STRIPPER**
[54] **MACHOIRES DE SERRAGE ET BORDS TRANCHANTS POUR PINCE A DENUDER AINSI QUE PINCE A DENUDER**
[72] HOLLAND-MORITZ, GEORG, DE
[72] BRUCKNER, MICHAEL, DE
[72] LEGLER, RALF, DE
[71] RENNSTEIG WERKZEUGE GMBH, DE
[85] 2020-04-22
[86] 2018-11-07 (PCT/EP2018/080468)
[87] (WO2019/105702)

[21] **3,080,015**
[13] A1
[51] **Int.Cl. H02J 3/36 (2006.01)**
[25] EN
[54] **VOLTAGE AND CURRENT CONTROL METHOD AND DEVICE FOR DIRECT-CURRENT TRANSMISSION SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE TENSION ET DE COURANT POUR SYSTEME DE TRANSMISSION DE PUISSANCE EN COURANT CONTINU**
[72] LU, JIANG, CN
[72] LU, YU, CN
[72] DONG, YUNLONG, CN
[72] WANG, YONGPING, CN
[72] TIAN, JIE, CN
[72] WANG, NANNAN, CN
[72] ZHAO, WENQIANG, CN
[72] HU, ZHAOQING, CN
[72] WANG, KE, CN
[72] XIAO, JIANMIN, CN
[71] NR ELECTRIC CO., LTD, CN
[71] NR ENGINEERING CO., LTD, CN
[85] 2020-04-23
[86] 2018-11-28 (PCT/CN2018/117937)
[87] (WO2019/109841)
[30] CN (201711281787.3) 2017-12-07

[21] **3,080,016**
[13] A1
[51] **Int.Cl. A61L 31/04 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **OPHTHALMIC VISCOELASTIC COMPOSITIONS**
[54] **COMPOSITIONS VISCOELASTIQUES OPHTALMIQUES**
[72] MILLARD, KIMBERLY ANNE, US
[72] AYYAGARI, MADHU, US
[72] XIA, ERNING, US
[72] REINDEL, BILL, US
[71] BAUSCH & LOMB INCORPORATED, US
[85] 2020-04-22
[86] 2018-11-16 (PCT/US2018/061526)
[87] (WO2019/103932)
[30] US (62/589,866) 2017-11-22

[21] **3,080,022**
[13] A1
[51] **Int.Cl. C12N 15/29 (2006.01) A01H 6/46 (2018.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/55 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **MODIFIED PLANTS WITH ENHANCED TRAITS**
[54] **PLANTES MODIFIEES PRESENTANT DES CARACTERISTIQUES AMELIOREES**
[72] ALBA, ROBERT M., US
[72] ALLEN, EDWARDS M., US
[72] BROWER-TOLAND, BRENT, US
[72] DENG, MOLIAN, US
[72] DEZWAAN, TODD, US
[72] DIETRICH, CHARLES, US
[72] GOLDSHMIDT, ALEXANDER, US
[72] GRIFFITH, CARA L., US
[72] HOWELL, MIYA D., US
[72] IYER, NIRANJANI J., US
[72] JIA, HONGWU, US
[72] KURIAKOSE, SARITHA V., US
[72] LI, HONG, US
[72] LUTFIYYA, LINDA L., US
[72] NEELAM, ANIL, US
[72] PANG, SHENGZHI, US
[72] PENG, MINGSHENG, US
[72] RAJANI, MONNANDA SOMAIAH, US
[72] RUZICKA, DANIEL, US
[72] SCHACHTMAN, DANIEL P., US
[72] SHARMA, VIJAY K., US
[72] VENKATESH, TYAMAGONDLU V., US
[72] WANG, HUAI, US
[72] WU, XIAOYUN, US
[72] XU, NANFEI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-04-22
[86] 2018-11-21 (PCT/US2018/062238)
[87] (WO2019/104161)
[30] US (62/589,171) 2017-11-21

[21] **3,080,026**
[13] A1
[51] **Int.Cl. G05F 1/46 (2006.01) G05B 15/02 (2006.01) H02M 1/14 (2006.01)**
[25] EN
[54] **DIGITAL HIGH VOLTAGE POWER SUPPLY**
[54] **ALIMENTATION ELECTRIQUE A HAUTE TENSION NUMERIQUE**
[72] DEAN, CRAIG S., US
[72] ROSZEL, LYNN E., US
[72] WILSON, SCOTT R., US
[72] HAUGARTH, ERIK S., US
[72] REUNING, JAN S., US
[71] DEAN, CRAIG S., US
[71] ROSZEL, LYNN E., US
[71] WILSON, SCOTT R., US
[71] HAUGARTH, ERIK S., US
[71] REUNING, JAN S., US
[85] 2020-04-22
[86] 2018-12-17 (PCT/US2018/066052)
[87] (WO2019/126062)
[30] US (62/608,016) 2017-12-20
[30] US (15/893,135) 2018-02-09

[21] **3,080,033**
[13] A1
[51] **Int.Cl. B29C 64/364 (2017.01) B33Y 30/00 (2015.01) B33Y 40/00 (2020.01) B22F 3/105 (2006.01)**
[25] EN
[54] **PROCESS CHAMBER AND METHOD FOR PURGING THE SAME**
[54] **CHAMBRE DE TRAITEMENT ET SON PROCEDE DE PURGE**
[72] KAYA, CERKEZ, DE
[72] EFFINGER, MARKUS, DE
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2020-04-23
[86] 2018-10-24 (PCT/EP2018/079094)
[87] (WO2019/081549)
[30] EP (17198366.1) 2017-10-25

[21] **3,080,048**
[13] A1
[51] **Int.Cl. B65D 83/76 (2006.01) B05C 17/005 (2006.01) B65D 47/10 (2006.01) B65D 47/36 (2006.01) B65D 51/18 (2006.01)**
[25] EN
[54] **VALVE**
[54] **SOUPAPE**
[72] GAUS, DAVID, US
[72] O'BOYLE, ERIC, US
[71] APTARGROUP, INC., US
[85] 2020-04-23
[86] 2017-10-23 (PCT/US2017/057790)
[87] (WO2019/083492)

[21] **3,080,049**
[13] A1
[51] **Int.Cl. A61J 3/00 (2006.01) G06Q 10/08 (2012.01) A61J 1/03 (2006.01) B65B 5/04 (2006.01) B65B 67/02 (2006.01) B65G 1/02 (2006.01)**
[25] EN
[54] **COMPARTMENTALIZED CONTAINER LOADING AND MANAGEMENT SYSTEM**
[54] **SYSTEME DE CHARGEMENT ET DE GESTION DE CONTENEURS COMPARTIMENTES**
[72] CHUDY, DUANE S., US
[72] JEHN, MICHAEL, US
[71] CHUDY GROUP, LLC, US
[85] 2020-04-23
[86] 2017-10-27 (PCT/US2017/058841)
[87] (WO2019/083548)

[21] **3,080,050**
[13] A1
[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **TRAINING TREE-BASED MACHINE-LEARNING MODELING ALGORITHMS FOR PREDICTING OUTPUTS AND GENERATING EXPLANATORY DATA**
[54] **ALGORITHMES DE MODELISATION D'APPRENTISSAGE MACHINE BASES SUR UN ARBRE D'APPRENTISSAGE POUR PREDIRE DES SORTIES ET GENERER DES DONNEES EXPLICATIVES**
[72] JORDAN, LEWIS, US
[72] TURNER, MATTHEW, US
[72] ANTONY, FINTO, US
[71] EQUIFAX INC., US
[85] 2020-04-23
[86] 2017-10-30 (PCT/US2017/059010)
[87] (WO2019/088972)

[21] **3,080,051**
[13] A1
[51] **Int.Cl. G01V 99/00 (2009.01) G06F 17/18 (2006.01)**
[25] EN
[54] **GEOLOGICAL SOURCE-TO-SINK ANALYSIS AND DISPLAY SYSTEM**
[54] **SYSTEME D'ANALYSE ET D'AFFICHAGE DE SOURCE A PUITS GEOLOGIQUE**
[72] SAUNDERS, BENJAMIN STEPHEN, GB
[72] NICOLL, GRAEME RICHARD, GB
[72] BAINES, GRAHAM, GB
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-04-23
[86] 2018-03-19 (PCT/US2018/023113)
[87] (WO2019/108245)
[30] US (62/591,918) 2017-11-29

[21] **3,080,052**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/16 (2012.01) G06Q 50/18 (2012.01) G06F 21/32 (2013.01) G06F 21/33 (2013.01) G06F 21/62 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED ONLINE NOTARIZATION MEETING RECOVERY**
[54] **SYSTEME ET PROCEDE DE RECUPERATION AUTOMATIQUE DE RENDEZ-VOUS DE NOTARISATION EN LIGNE**
[72] KIM, RHAN KATHLEEN, US
[72] JENKINS, ALEXANDER JAMES, US
[72] MORTON, RUSSELL, US
[72] GONZALEZ, ARTURO, II, US
[72] KUANG, RAYNOR JOSEPH, US
[72] TEO, NICHOLAS GUO YING, US
[71] NOTARIZE, INC., US
[85] 2020-04-23
[86] 2018-10-23 (PCT/US2018/057029)
[87] (WO2019/083954)
[30] US (62/575,772) 2017-10-23

[21] **3,080,053**
[13] A1
[51] **Int.Cl. B32B 7/12 (2006.01) B32B 1/02 (2006.01) B32B 15/082 (2006.01) B32B 15/085 (2006.01) B32B 15/088 (2006.01) B32B 27/08 (2006.01) B32B 27/18 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01) B65D 1/09 (2006.01)**
[25] EN
[54] **SINGLE-SERVE PORTION PACK**
[54] **PAQUET DE PORTIONS A USAGE UNIQUE**
[72] DE SCHOENMAKER, BERT, BE
[72] MALFAIT, TONY, BE
[72] PLAETINCK, LIEVEN, BE
[71] AMCOR FLEXIBLES TRANSPAC BVBA, BE
[85] 2020-04-23
[86] 2018-09-27 (PCT/EP2018/076290)
[87] (WO2019/101399)
[30] EP (17203752.5) 2017-11-27

[21] **3,080,055**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER PROGRAM FOR ONLINE TRANSPORT LOGISTICS SERVICE MANAGEMENT**
[54] **SYSTEME, PROCEDE, ET PROGRAMME INFORMATIQUE DE GESTION EN LIGNE DE SERVICES LOGISTIQUES DE TRANSPORT**
[72] DHONDE, ANIL TUKARAM, US
[71] DHONDE, ANIL TUKARAM, US
[85] 2020-04-09
[86] 2018-10-10 (PCT/CA2018/051278)
[87] (WO2019/071347)
[30] CA (2,982,228) 2017-10-10

[21] **3,080,056**
[13] A1
[51] **Int.Cl. G02F 1/1333 (2006.01)**
[25] EN
[54] **DISPLAY TILE WITH INCREASED DISPLAY AREA**
[54] **PAVE D'AFFICHAGE POURVU D'UNE SURFACE D'AFFICHAGE AUGMENTEE**
[72] DAMBACH, SOEREN, DE
[72] NAAS, NICO MICHAEL, DE
[71] BARCO N.V., BE
[85] 2020-04-23
[86] 2018-10-23 (PCT/EP2018/078993)
[87] (WO2019/081484)
[30] EP (17198023.8) 2017-10-24
[30] EP (18162406.5) 2018-03-16

[21] **3,080,057**
[13] A1
[51] **Int.Cl. C12Q 1/6881 (2018.01)**
[25] EN
[54] **MCC AS EPIGENETIC MARKER FOR THE IDENTIFICATION OF IMMUNE CELLS, IN PARTICULAR BASOPHIL GRANULOCYTES**
[54] **UTILISATION DU MCC COMME MARQUEUR EPIGENETIQUE POUR L'IDENTIFICATION DE CELLULES IMMUNITAIRES, EN PARTICULIER DE GRANULOCYTES BASOPHILES**
[72] OLEK, SVEN, DE
[72] BARON, UDO, DE
[71] EPIONTIS GMBH, DE
[85] 2020-04-23
[86] 2018-10-24 (PCT/EP2018/079168)
[87] (WO2019/081584)
[30] DE (10 2017 125 013.1) 2017-10-25

[21] **3,080,058**
[13] A1
[51] **Int.Cl. D01B 1/14 (2006.01) A01F 29/09 (2010.01) A01B 76/00 (2006.01) A01F 15/04 (2006.01) A01F 15/08 (2006.01) D01B 1/00 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **SYSTEM, CONTROLLER, AND METHOD FOR DECORTICATION PROCESSING**
[54] **SYSTEME, DISPOSITIF DE COMMANDE, ET PROCEDE DE TRAITEMENT DE DECORTICATION**
[72] CZINNER, ROBERT, CA
[72] CHUTE, WADE, CA
[71] CZINNER, ROBERT, CA
[85] 2020-04-09
[86] 2018-10-15 (PCT/CA2018/051295)
[87] (WO2019/071361)
[30] US (62/572,031) 2017-10-13

[21] **3,080,060**
[13] A1
[51] **Int.Cl. C12Q 1/6881 (2018.01)**
[25] EN
[54] **PDCD1 AS EPIGENETIC MARKER FOR THE IDENTIFICATION OF IMMUNE CELLS, IN PARTICULAR PD1+ CELLS**
[54] **UTILISATION DE MVD EN TANT QUE MARQUEUR EPIGENETIQUE POUR L'IDENTIFICATION DE CELLULES IMMUNITAIRES, EN PARTICULIER LES CELLULES NK CD56+**
[72] OLEK, SVEN, DE
[72] BARON, UDO, DE
[71] EPIONTIS GMBH, DE
[85] 2020-04-23
[86] 2018-10-24 (PCT/EP2018/079184)
[87] (WO2019/081590)
[30] DE (10 2017 125 019.0) 2017-10-25

[21] **3,080,063**
[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **DELTA-LIKE LIGAND 1 FOR DIAGNOSING SEVERE INFECTIONS**
[54] **LIGAND DE TYPE DELTA 1 DESTINE A DIAGNOSTIQUER DES INFECTIONS GRAVES**
[72] HILDEBRAND, DAGMAR, DE
[72] HEEG, KLAUS, DE
[72] UHLE, FLORIAN, DE
[72] WEIGAND, MARKUS, DE
[71] UNIVERSITAT HEIDELBERG, DE
[85] 2020-04-23
[86] 2018-10-25 (PCT/EP2018/079273)
[87] (WO2019/081636)
[30] EP (17198330.7) 2017-10-25

[21] **3,080,065**
[13] A1
[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6881 (2018.01)**
[25] EN
[54] **ENDOSIALIN (CD248) AS EPIGENETIC MARKER FOR THE IDENTIFICATION OF IMMUNE CELLS, IN PARTICULAR NAIVE CD8+ T-CELLS**
[54] **L'ENDOSIALINE (CD248) COMME MARQUEUR EPIGENETIQUE POUR L'IDENTIFICATION DE CELLULES IMMUNITAIRES, EN PARTICULIER DE LYMPHOCYTES T CD8+ NAIVES**
[72] OLEK, SVEN, DE
[72] SCHULZE, JANIKA JOSEPHIN, DE
[71] EPIONTIS GMBH, DE
[85] 2020-04-23
[86] 2018-10-25 (PCT/EP2018/079290)
[87] (WO2019/081642)
[30] DE (10 2017 125 150.2) 2017-10-26

[21] **3,080,072**
[13] A1
[51] **Int.Cl. A47J 27/04 (2006.01) A47J 27/16 (2006.01) A47J 37/04 (2006.01)**
[25] EN
[54] **APPARATUS WITH LINEAR DRIVE FOR PREPARING FOODSTUFFS**
[54] **DISPOSITIF COMPRENANT UN ENTRAINEMENT LINEAIRE SERVANT A PREPARER DES DENREES ALIMENTAIRES**
[72] GRENDELMEIER, THOMAS, CH
[72] SCHENK, PHILIPP, CH
[72] SCHRANZ, SAMUEL, CH
[71] CAROGUSTO AG, CH
[85] 2020-04-23
[86] 2017-11-30 (PCT/EP2017/080984)
[87] (WO2019/105555)

[21] **3,080,073**
[13] A1
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **TIRE STUD**
[54] **CRAMPON**
[72] SCHLITTENHARD, JAN, DE
[72] LANGE, HOLGER, DE
[71] CONTINENTAL REIFEN DEUTSCHLAND GMBH, DE
[85] 2020-04-23
[86] 2018-08-02 (PCT/EP2018/070962)
[87] (WO2019/096455)
[30] DE (10 2017 220 468.0) 2017-11-16

[21] **3,080,075**
[13] A1
[51] **Int.Cl. G21G 1/02 (2006.01) G21C 23/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SELECTIVELY CARRYING OUT NUCLIDE ACTIVATIONS AND MEASUREMENTS IN A NUCLEAR REACTOR BY MEANS OF NUCLIDE ACTIVATION TARGETS AND MEASURING BODIES**
[54] **DISPOSITIF ET PROCEDE PERMETTANT D'EFFECTUER SELECTIVEMENT DES ACTIVATIONS DE NUCLEIDES ET DES MESURES DANS UN REACTEUR NUCLEAIRE AU MOYEN DE CIBLES D'ACTIVATION DE NUCLEIDES ET DE CORPS DE MESURE**
[72] BITTERLI, BEAT, CH
[72] KAULBARSCH, RAINER, CH
[72] CONUS, LUCIEN, CH
[72] HEYDECKER, KURT, CH
[72] ORNOT, LEO, CH
[72] MEYER, LUKAS, CH
[72] PAULING, DIRK, CH
[72] AEBI, PATRICK, CH
[71] KERNKRAFTWERK GOSGEN-DANIKEN AG, CH
[85] 2020-04-23
[86] 2018-10-25 (PCT/EP2018/079322)
[87] (WO2019/086329)
[30] EP (17199688.7) 2017-11-02

[21] **3,080,076**
[13] A1
[51] **Int.Cl. C07K 14/005 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **PROTRANSDUZIN-D - IMPROVED ENHANCER OF GENE TRANSFER**
[54] **PROTRANSDUCINE-D : ACTIVATEUR DU TRANSFERT DE GENES AMELIORE**
[72] FORSSMANN, WOLF-GEORG, DE
[72] RICHTER, RUDOLF, DE
[71] PHARIS BIOTEC GMBH, DE
[85] 2020-04-23
[86] 2018-08-29 (PCT/EP2018/073194)
[87] (WO2019/043037)
[30] EP (17188384.6) 2017-08-29

[21] **3,080,078**
[13] A1
[51] **Int.Cl. D06N 7/00 (2006.01) A41D 27/02 (2006.01) A41D 27/06 (2006.01) D06M 17/10 (2006.01)**
[25] EN
[54] **THERMALLY FUSIBLE SHEET BODY**
[54] **STRUCTURE PLATE THERMOFIXABLE**
[72] TRASER, STEFFEN, DE
[72] KREMSER, STEFFEN, DE
[71] CARL FREUDENBERG KG, DE
[85] 2020-04-23
[86] 2018-10-26 (PCT/EP2018/079386)
[87] (WO2019/081696)
[30] DE (10 2017 010 022.5) 2017-10-27
[30] DE (10 2018 109 359.4) 2018-04-19

[21] **3,080,079**
[13] A1
[51] **Int.Cl. B23B 27/16 (2006.01) B23B 27/10 (2006.01)**
[25] EN
[54] **TOOL FOR MACHINING A WORKPIECE**
[54] **OUTIL D'USINAGE D'UNE PIECE PAR ENLEVEMENT DE COPEAUX**
[72] LUIK, MATTHIAS, DE
[71] HARTMETALL-WERKZEUGFABRIK PAUL HORN GMBH, DE
[85] 2020-04-23
[86] 2019-03-22 (PCT/EP2019/057213)
[87] (WO2019/211043)
[30] DE (10 2018 110 397.2) 2018-04-30

[21] **3,080,080**
[13] A1
[51] **Int.Cl. H01Q 1/22 (2006.01)**
[25] FR
[54] **PARAMETER MEASUREMENT SYSTEM FOR A MOUNTED ASSEMBLY**
[54] **SYSTEME DE MESURE DE PARAMETRE D'UN ENSEMBLE MONTE**
[72] FAGOT-REVURAT, LIONEL, FR
[72] DESTRAVES, JULIEN, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[71] SAFRAN, FR
[71] SAFRAN LANDING SYSTEMS, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-04-23
[86] 2018-10-26 (PCT/EP2018/079460)
[87] (WO2019/081738)
[30] FR (1760160) 2017-10-27

[21] **3,080,084**
[13] A1
[51] **Int.Cl. H04N 19/593 (2014.01) H04N 19/11 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **IMAGE DATA ENCODING AND DECODING**
[54] **CODAGE ET DECODAGE DE DONNEES D'IMAGE**
[72] KEATING, STEPHEN MARK, GB
[72] SHARMAN, KARL JAMES, GB
[72] PHILIPPE, MAGALI KIMLEE MIRI, GB
[71] SONY CORPORATION, JP
[85] 2020-04-23
[86] 2018-10-24 (PCT/GB2018/053077)
[87] (WO2019/081927)
[30] GB (1717684.3) 2017-10-27
[30] GB (1809024.1) 2018-06-01

[21] **3,080,085**
[13] A1
[51] **Int.Cl. A45D 26/00 (2006.01)**
[25] EN
[54] **DEPILATORY DEVICES**
[54] **DISPOSITIFS DEPILATOIRES**
[72] SULTANA, NAHID, GB
[72] AL SABAH, SARAH, GB
[71] SULTANA, NAHID, GB
[85] 2020-04-17
[86] 2018-10-17 (PCT/GB2018/000137)
[87] (WO2019/077293)
[30] GB (1717049.9) 2017-10-17
[30] GB (1816938.3) 2018-10-17

[21] **3,080,086**
[13] A1
[51] **Int.Cl. A61M 5/42 (2006.01) A61M 5/32 (2006.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/148 (2006.01) A61M 5/20 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **INJECTION DEVICE**
[54] **DISPOSITIF D'INJECTION**
[72] CHOWDHURY, DEWAN FAZLUL HOQUE, GB
[71] NDM TECHNOLOGIES LIMITED, GB
[85] 2020-04-23
[86] 2018-10-26 (PCT/GB2018/053108)
[87] (WO2019/081947)
[30] GB (1717647.0) 2017-10-26

[21] **3,080,087**
[13] A1
[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/118 (2006.01) A61K 39/295 (2006.01)**
[25] EN
[54] **MULTIVALENT FELINE VACCINE**
[54] **VACCIN FELIN MULTIVALENT**
[72] XU, ZHICHANG, US
[72] LAFLEUR, RHONDA, US
[72] TARPEY, IAN, GB
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2020-04-23
[86] 2018-11-05 (PCT/EP2018/080106)
[87] (WO2019/115090)
[30] US (62/599,401) 2017-12-15

[21] **3,080,090**
[13] A1
[51] **Int.Cl. A23L 33/185 (2016.01) A23L 9/20 (2016.01) A23G 9/42 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **CREAM SUBSTITUTE COMPRISING PULSE PROTEIN**
[54] **SUBSTITUT DE CREME COMPRENANT UNE PROTEINE D'IMPULSION**
[72] GAUTIER, GAELLE, FR
[72] BEGUIN, PAULINE, BE
[72] VERVACKE, CHRISTOPHE, BE
[72] PIHEN, JULIE, FR
[71] COSUCRA GROUPE WARCOING S.A., BE
[85] 2020-04-23
[86] 2018-11-28 (PCT/EP2018/082761)
[87] (WO2019/105961)
[30] EP (17204213.7) 2017-11-28

[21] **3,080,091**
[13] A1
[51] **Int.Cl. C07D 207/06 (2006.01) A61K 31/4025 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **AMORPHOUS PYRROLIDINE DERIVATIVE AS PPAR AGONIST AND PREPARATION METHOD THEREOF**
[54] **DERIVE DE PYRROLIDINE AMORPHE UTILISE EN TANT QU'AGONISTE DE PPAR ET SON PROCEDE DE PREPARATION**
[72] YUAN, ZHILIANG, CN
[72] JIANG, ZHIGAN, CN
[72] HE, HAIYING, CN
[72] ZHANG, XIAO, CN
[72] XU, JIWEN, CN
[72] ZHOU, WEIXIANG, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] GUANGDONG RAYNOVENT BIOTECH CO., LTD., CN
[85] 2020-04-23
[86] 2018-12-20 (PCT/CN2018/122423)
[87] (WO2019/120257)
[30] CN (201711394677.8) 2017-12-21

[21] **3,080,092**
[13] A1
[51] **Int.Cl. F16K 31/122 (2006.01) F15B 15/12 (2006.01)**
[25] EN
[54] **ROTARY ACTUATOR**
[54] **ACTIONNEUR ROTATIF**
[72] COWIE, GAVIN DAVID, GB
[72] SANGSTER, JOHN DAVID, GB
[71] INTERVENTEK SUBSEA ENGINEERING LIMITED, GB
[85] 2020-04-23
[86] 2018-11-02 (PCT/GB2018/053192)
[87] (WO2019/102179)
[30] GB (1719417.6) 2017-11-22

[21] **3,080,094**
[13] A1
[51] **Int.Cl. C08L 69/00 (2006.01)**
[25] EN
[54] **POLYCARBONATE COMPOSITION WITH GOOD FLAME RETARDANCY**
[54] **COMPOSITIONS DE POLYCARBONATE PRESENTANT UNE BONNE RESISTANCE A LA PROPAGATION DU FEU**
[72] TASCHNER, VERA, DE
[72] KURZIDIM, DIRK, DE
[72] HOHNK, THOMAS, DE
[72] KRANER, KLAUS, DE
[72] SAMISCH, BIRTE, DE
[72] ECKEL, THOMAS, DE
[72] WENZ, ECKHARD, DE
[72] RUDOLF, REINER, DE
[72] HOBEIKA, SVEN, DE
[72] KROH, MATTHIAS, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2020-04-23
[86] 2018-12-13 (PCT/EP2018/084655)
[87] (WO2019/121272)
[30] EP (17208734.8) 2017-12-20

[21] **3,080,096**
[13] A1
[51] **Int.Cl. B65D 51/28 (2006.01) B01F 13/00 (2006.01) B65D 81/32 (2006.01)**
[25] EN
[54] **ASSEMBLY FOR DISPENSING LIQUIDS**
[54] **ENSEMBLE SERVANT A LA DISTRIBUTION DE LIQUIDES**
[72] TURNER, JEREMY, NZ
[72] SWINNEY, PAUL, GB
[72] DIXON, ELIZABETH, GB
[72] BRAND, THOMAS, GB
[72] DIXON, ELANOR, GB
[71] TRISTEL PLC, GB
[85] 2020-04-23
[86] 2018-12-21 (PCT/GB2018/053741)
[87] (WO2019/135065)
[30] GB (1800024.0) 2018-01-02

[21] **3,080,098**
[13] A1
[51] **Int.Cl. A61K 31/4245 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) C07D 273/08 (2006.01)**
[25] EN
[54] **DUAL INHIBITORS OF TIM-3 AND PD-1 PATHWAYS**
[54] **DOUBLE INHIBITEURS DE VOIES TIM-3 ET PD-1**
[72] SASIKUMAR, POTTAYIL GOVINDAN NAIR, IN
[72] RAMACHANDRA, MURALIDHARA, IN
[72] NAREMADDEPALLI, SEETHARAMAIAH SETTY SUDARSHAN, IN
[72] GOWDA, NAGARAJ, IN
[71] AURIGENE DISCOVERY TECHNOLOGIES LIMITED, IN
[85] 2020-04-23
[86] 2018-10-31 (PCT/IB2018/058526)
[87] (WO2019/087087)
[30] IN (201741039298) 2017-11-03

[21] **3,080,099**
[13] A1
[51] **Int.Cl. B24D 9/08 (2006.01) B23Q 3/157 (2006.01) B24B 27/00 (2006.01)**
[25] EN
[54] **DEVICE FOR EXCHANGING A POLISHING DISC**
[54] **DISPOSITIF POUR LE REMPLACEMENT D'UN DISQUE DE POLISSAGE**
[72] UNNERSTALL, WERNER, DE
[72] WALL, CHRISTIAN, DE
[72] BURSTEIN, CHRISTIAN, DE
[72] KAMPMEYER, STEPHAN, DE
[71] RUD. STARCKE GMBH & CO. KG, DE
[85] 2020-04-23
[86] 2018-12-19 (PCT/EP2018/085932)
[87] (WO2019/121975)
[30] DE (10 2017 130 805.9) 2017-12-20

[21] **3,080,100**
[13] A1
[51] **Int.Cl. C07D 215/14 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61P 25/16 (2006.01) A61P 31/12 (2006.01) A61P 31/18 (2006.01) A61P 35/00 (2006.01) C07D 333/38 (2006.01)**
[25] EN
[54] **MODULATORS OF INDOLEAMINE 2,3-DIOXYGENASE**
[54] **MODULATEURS D'INDOLAMINE 2,3-DIOXYGENASE**
[72] KAZMIERSKI, WIESLAW MIECZYSLAW, US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[85] 2020-04-23
[86] 2018-10-26 (PCT/IB2018/058389)
[87] (WO2019/087028)
[30] US (62/578,704) 2017-10-30

[21] **3,080,102**
[13] A1
[51] **Int.Cl. C07D 473/16 (2006.01) A61K 31/52 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **PURINE BASED COMPOUNDS AS TOLL-LIKE RECEPTOR 9 ANTAGONIST**
[54] **COMPOSES A BASE DE PURINE UTILISES EN TANT QU'ANTAGONISTE DU RECEPTEUR 9 DE TYPE TOLL**
[72] TALUKDAR, ARINDAM, IN
[72] GANGULY, DIPYAMAN, IN
[72] MUKHERJEE, AYAN, IN
[72] PAUL, BARNALI, IN
[72] RAHAMAN, OINDRILA, IN
[72] KUNDU, BISWAJIT, IN
[72] ROY, SWARNALI, IN
[72] DEBLINA, RAYCHAUDHURI, IN
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN
[85] 2020-04-23
[86] 2018-11-05 (PCT/IN2018/050714)
[87] (WO2019/092739)
[30] IN (201711039774) 2017-11-08

[21] **3,080,103**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI-APOC3 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-APOC3 ET LEURS PROCEDES D'UTILISATION**
[72] DASILVA-JARDINE, PAUL, US
[72] DE HAARD, HANS, NL
[71] STATEN BIOTECHNOLOGY B.V., NL
[85] 2020-04-23
[86] 2018-10-31 (PCT/IB2018/058564)
[87] (WO2019/087115)
[30] US (62/579,449) 2017-10-31

[21] **3,080,104**
[13] A1
[51] **Int.Cl. F16S 3/00 (2006.01) B21D 53/88 (2006.01) B23K 11/11 (2006.01) B23K 31/00 (2006.01) B62D 25/00 (2006.01)**
[25] EN
[54] **STRUCTURAL MEMBER**
[54] **MATERIAU STRUCTURAL**
[72] HIROSE, SATOSHI, JP
[72] HAMADA, KOICHI, JP
[72] FUJIMOTO, HIROKI, JP
[72] OKADA, TOHRU, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-23
[86] 2017-10-31 (PCT/JP2017/039425)
[87] (WO2019/087310)

[21] **3,080,105**
[13] A1
[51] **Int.Cl. E02D 27/42 (2006.01) E02B 17/00 (2006.01)**
[25] EN
[54] **A COUPLING SYSTEM, AN ASSEMBLY OF A VESSEL AND A COUPLING SYSTEM, AND AN ASSEMBLY OF A COUPLING SYSTEM, JACKET PILE AND FOUNDATION PILE**
[54] **SYSTEME D'ACCOUPLEMENT, ENSEMBLE D'UNE CUVE ET D'UN SYSTEME D'ACCOUPLEMENT, ET ENSEMBLE D'UN SYSTEME D'ACCOUPLEMENT, D'UN PIEU DE TREILLIS ET D'UN PIEU DE FONDATION**
[72] JUNG, BOUDEWIJN CASPER, NL
[72] VAN VESSEM, HENRICUS GERARDUS ANDREAS, NL
[71] IHC HOLLAND IE B.V., NL
[85] 2020-04-23
[86] 2018-11-28 (PCT/NL2018/050800)
[87] (WO2019/112421)
[30] NL (2020037) 2017-12-07

[21] **3,080,106**
[13] A1
[51] **Int.Cl. A23L 27/50 (2016.01) A23L 27/00 (2016.01)**
[25] EN
[54] **RAW LIQUID FOR SEASONING, WOOD PIECE USABLE AS FERMENTATION INDEX FOR SEASONING, KIT FOR MANUFACTURING SEASONING, METHOD FOR MANUFACTURING SEASONING, SEASONING, AND RICH SEASONING**
[54] **CONCENTRE LIQUIDE POUR ASSAISONNEMENT, MORCEAU DE BOIS UTILISABLE COMME INDICE DE FERMENTATION POUR ASSAISONNEMENT, KIT DE FABRICATION D'ASSAISONNEMENT, PROCEDE DE FABRICATION D'ASSAISONNEMENT, ASSAISONNEMENT, ET ASSAISONNEMENT EPAISSI**
[72] KATAYAMA, HIROSHI, JP
[72] KUNITAKE, YURI, JP
[72] HANADA, YOICHI, JP
[72] FUJIMORI, RYO, JP
[72] OOKUBO, KAZUMA, JP
[72] MOTOJIMA, YOSHIHIRO, JP
[71] KIKKOMAN CORPORATION, JP
[85] 2020-04-23
[86] 2018-10-26 (PCT/JP2018/039991)
[87] (WO2019/083041)
[30] JP (2017-208410) 2017-10-27
[30] JP (2017-208411) 2017-10-27
[30] JP (2017-208412) 2017-10-27
[30] JP (2017-208413) 2017-10-27
[30] JP (2018-112279) 2018-06-12

[21] **3,080,108**
[13] A1
[51] **Int.Cl. C07K 16/06 (2006.01) C07K 1/18 (2006.01) C07K 1/30 (2006.01) C07K 1/36 (2006.01)**
[25] EN
[54] **IMPROVED METHOD FOR PURIFICATION OF IMMUNOGLOBULIN**
[54] **PROCEDE AMELIORE DE PURIFICATION D'IMMUNOGLOBULINE**
[72] KIM, SOO-KWANG, KR
[72] BOO, KYUNG HYUN, KR
[72] SEO, KANG YUN, KR
[72] CHOI, SUNG MIN, KR
[72] YOON, JEONG HYE, KR
[72] PARK, JIN HYUN, KR
[72] KIM, YEON HUI, KR
[71] GREEN CROSS CORPORATION, KR
[85] 2020-04-23
[86] 2018-10-26 (PCT/KR2018/012817)
[87] (WO2019/083318)
[30] KR (10-2017-0141215) 2017-10-27

[21] **3,080,109**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **CD38-DIRECTED CHIMERIC ANTIGEN RECEPTOR CONSTRUCTS**
[54] **CONSTRUCTIONS DE RECEPTEUR ANTIGENIQUE CHIMERIQUE DIRIGE CONTRE CD38**
[72] ZHANG, YANLIANG, US
[72] ZHOU, HEYUE, US
[72] MA, QIANZHONG, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2020-04-23
[86] 2018-11-02 (PCT/IB2018/058642)
[87] (WO2019/087151)
[30] US (62/581,466) 2017-11-03

[21] **3,080,110**
[13] A1
[25] EN
[54] **FILTRATION DEVICE**
[54] **DISPOSITIF DE FILTRATION**
[72] ASAHI, YUKA, JP
[72] MINAMINO, ATSUSHI, JP
[72] KURIHARA, HIROYUKI, JP
[72] YAMADA, KATSUSHIGE, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-04-23
[86] 2018-11-29 (PCT/JP2018/043992)
[87] (WO2019/107498)
[30] JP (2017-230775) 2017-11-30

[21] **3,080,111**
[13] A1
[51] **Int.Cl. A61K 31/5375 (2006.01) A61K 31/397 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PREVENTING OR TREATING LUPUS**
[54] **COMPOSITIONS DE PREVENTION OU DE TRAITEMENT DU LUPUS**
[72] CHOI, YOUNG IL, KR
[72] HA, NINA, KR
[72] BAE, DAEKWON, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2020-04-23
[86] 2018-11-23 (PCT/KR2018/014524)
[87] (WO2019/103524)
[30] KR (10-2017-0158867) 2017-11-24

[21] **3,080,113**
[13] A1
[51] **Int.Cl. G06F 16/26 (2019.01) G06F 8/10 (2018.01) G06F 8/34 (2018.01)**
[25] EN
[54] **TRANSFORMING A SPECIFICATION INTO A PERSISTENT COMPUTER PROGRAM**
[54] **TRANSFORMATION D'UNE SPECIFICATION EN UN PROGRAMME INFORMATIQUE PERSISTANT**
[72] EGENOLF, JONAH, US
[72] ISMAN, MARSHALL A., US
[72] WILD, FREDERIC, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2020-04-23
[86] 2018-10-24 (PCT/US2018/057361)
[87] (WO2019/084172)
[30] US (15/795,917) 2017-10-27

[21] **3,080,114**
[13] A1
[51] **Int.Cl. A61B 5/024 (2006.01) G16H 50/30 (2018.01) A61B 5/0205 (2006.01) A61B 5/087 (2006.01) A61B 5/1455 (2006.01) A61B 5/091 (2006.01)**
[25] EN
[54] **SYSTEM FOR MONITORING PATIENTS SUFFERING FROM RESPIRATORY DISEASE COMPRISING A PORTABLE MEDICAL DEVICE AND METHOD BASED ON THE USE OF SUCH SYSTEM**
[54] **SYSTEME DE SURVEILLANCE DE PATIENTS SOUFFRANT D'UNE MALADIE RESPIRATOIRE COMPRENANT UN DISPOSITIF MEDICAL PORTABLE ET PROCEDE BASE SUR L'UTILISATION D'UN TEL SYSTEME**
[72] BOSCHETTI SACCO, PAOLO, IT
[71] MIR S.R.L. - MEDICAL INTERNATIONAL RESEARCH, IT
[85] 2020-04-23
[86] 2018-11-16 (PCT/IB2018/059039)
[87] (WO2019/102324)
[30] IT (102017000133269) 2017-11-21

[21] **3,080,115**
[13] A1
[51] **Int.Cl. A61K 31/46 (2006.01) A61K 9/72 (2006.01) A61K 47/12 (2006.01) A61P 11/08 (2006.01)**
[25] EN
[54] **TIOTROPIUM INHALATION SOLUTION FOR NEBULIZATION**
[54] **SOLUTION D'INHALATION DE TIOTROPIUM A NEBULISER**
[72] DAUGHERTY, ASHLEY, US
[71] NEPHRON PHARMACEUTICALS CORPORATION, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057824)
[87] (WO2019/084478)
[30] US (15/796,524) 2017-10-27
[30] US (16/119,209) 2018-08-31

[21] **3,080,116**
[13] A1
[51] **Int.Cl. C07D 498/22 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01)**
[25] FR
[54] **NOVEL MACROCYCLIC DERIVATIVES, PROCESS FOR PREPARING SAME AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME**
[54] **NOUVEAUX DERIVES MACROCYCLIQUES, LEUR PROCEDE DE PREPARATION ET LES COMPOSITIONS PHARMACEUTIQUES QUI LES CONTIENNENT**
[72] STARCK, JEROME-BENOIT, FR
[72] DURAND, DIDIER, FR
[72] CHEN, I-JEN, GB
[72] LE TIRAN, ARNAUD, FR
[72] ORTUNO, JEAN-CLAUDE, FR
[72] NYERGES, MIKLOS, HU
[72] LIGETI, MELINDA, HU
[72] FEJES, IMRE, HU
[71] LES LABORATOIRES SERVIER, FR
[71] VERNALIS (R&D) LIMITED, GB
[85] 2020-04-22
[86] 2018-10-24 (PCT/EP2018/079113)
[87] (WO2019/081559)
[30] FR (1760078) 2017-10-25

[21] **3,080,117**
[13] A1
[51] **Int.Cl. A61B 5/15 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR ULTRA-LOW VOLUME LIQUID BIOPSY**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR BIOPSIE LIQUIDE A VOLUMES ULTRA-FAIBLES**
[72] VAN DEN BOOM, DIRK, US
[72] EHRICH, MATHIAS, US
[72] OETH, PAUL, US
[72] CHAUVAPUN, JIM, US
[71] JUNO DIAGNOSTICS, INC., US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057844)
[87] (WO2019/084489)
[30] US (62/578,179) 2017-10-27

[21] **3,080,118**
[13] A1
[51] **Int.Cl. H04N 21/418 (2011.01)**
[25] EN
[54] **EXTERNAL MODULE COMPRISING PROCESSING FUNCTIONALITY**
[54] **MODULE EXTERNE COMPRENANT UNE FONCTIONNALITE DE TRAITEMENT**
[72] DUVAL, GREGORY, US
[71] NAGRASTAR, LLC, US
[85] 2020-04-23
[86] 2018-08-23 (PCT/US2018/047734)
[87] (WO2019/083597)
[30] US (62/578,097) 2017-10-27
[30] US (15/843,219) 2017-12-15

[21] **3,080,119**
[13] A1
[51] **Int.Cl. C12M 1/34 (2006.01) G01N 27/62 (2006.01) G01N 29/46 (2006.01) G01N 30/72 (2006.01) G01N 33/574 (2006.01) H01J 49/04 (2006.01)**
[25] EN
[54] **MASS SPECTROMETRY METHODS FOR CARCINOMA ASSESSMENTS**
[54] **PROCEDES DE SPECTROMETRIE DE MASSE POUR DES EVALUATIONS DE CARCINOME**
[72] NORRIS, JEREMY L., US
[72] CAPRIOLI, RICHARD M., US
[72] ROBBINS, JASON B., US
[72] MOORE, JESSICA LINDSEY, US
[72] PATTERSON, NATHAN HEATH, US
[71] FRONTIER DIAGNOSTICS, LLC, US
[85] 2020-04-23
[86] 2018-10-29 (PCT/US2018/058013)
[87] (WO2019/084547)
[30] US (62/578,214) 2017-10-27

[21] **3,080,120**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANTI-GALECTIN-9 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-GALECTINE-9 ET LEURS UTILISATIONS**
[72] KOIDE, SHOHEI, US
[72] MILLER, GEORGE, US
[72] KOIDE, AKIKO, US
[72] CHEN, LINXIAO, US
[72] FILIPOVIC, ALEKSANDRA, GB
[72] ELENKO, ERIC, US
[72] BOLEN, JOSEPH, US
[71] NEW YORK UNIVERSITY, US
[71] PURETECH HEALTH, LLC, US
[85] 2020-04-23
[86] 2018-10-29 (PCT/US2018/058028)
[87] (WO2019/084553)
[30] US (62/578,111) 2017-10-27
[30] US (62/665,175) 2018-05-01
[30] US (62/736,317) 2018-09-25

[21] **3,080,123**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61P 19/02 (2006.01) A61P 25/00 (2006.01) A61P 37/00 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **BTK INHIBITOR COMPOUNDS**
[54] **COMPOSES INHIBITEURS DE BTK**
[72] HENRY, KENNETH JAMES, JR., US
[72] KHILEVICH, ALBERT, US
[72] KUKLISH, STEVEN LEE, US
[72] PARTRIDGE, KATHERINE MARIE, US
[72] QUIMBY, STEVEN JAMES, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-04-23
[86] 2018-10-30 (PCT/US2018/058104)
[87] (WO2019/089512)
[30] US (62/581,967) 2017-11-06

[21] **3,080,124**
[13] A1
[51] **Int.Cl. A01K 61/60 (2017.01) B66D 1/50 (2006.01)**
[25] EN
[54] **A DEVICE AND METHOD TO REGULATE A BREEDING PEN IN SEA, AND APPLICATIONS THEREOF**
[54] **DISPOSITIF ET PROCEDE POUR REGULER UN PARC D'ELEVAGE EN MER ET APPLICATIONS ASSOCIEES**
[72] RIPLE, TORE HAKON, NO
[71] MARINE CONSTRUCTION AS, NO
[85] 2020-04-23
[86] 2017-11-15 (PCT/NO2017/000029)
[87] (WO2018/117850)
[30] NO (2016 1805) 2016-11-15

[21] **3,080,125**
[13] A1
[51] **Int.Cl. C12N 9/42 (2006.01) C12N 9/52 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR RAPIDLY DIGESTING BIOPOLYMERS WITH ULTRASTABLE ENZYMES FOR MASS SPECTROMETRY-BASED ANALYSES**
[54] **PROCEDES DE DIGESTION RAPIDE DE BIOPOLYMERES A L'AIDE D'ENZYMES ULTRASTABLES POUR ANALYSES PAR SPECTROMETRIE DE MASSE**
[72] YANNONE, STEVEN M., US
[72] FUSS, JILL O., US
[72] BARNEBEY, ADAM, US
[71] CINDER BIOLOGICAL, INC., US
[85] 2020-04-23
[86] 2018-10-24 (PCT/US2018/057397)
[87] (WO2019/084196)
[30] US (62/576,374) 2017-10-24

[21] **3,080,127**
[13] A1
[51] **Int.Cl. A01N 59/06 (2006.01) A01N 59/16 (2006.01) C05D 9/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR ENHANCED CO2 CAPTURE AND STORAGE**
[54] **COMPOSITIONS ET PROCEDES POUR LA CAPTURE ET LE STOCKAGE AMELIORES DE CO2**
[72] BAKER, GEORGE, US
[72] WEBB, SHERYL S., US
[72] FAIRCHILD, CLIFFORD, US
[71] CO2 SOLVED, LLC, US
[85] 2020-04-23
[86] 2018-10-30 (PCT/US2018/058111)
[87] (WO2019/089517)
[30] US (62/579,017) 2017-10-30

[21] **3,080,128**
[13] A1
[51] **Int.Cl. C07H 5/00 (2006.01) C07H 5/08 (2006.01)**
[25] EN
[54] **SELENOGALACTOSIDE COMPOUNDS FOR THE TREATMENT OF SYSTEMIC INSULIN RESISTANCE DISORDERS AND THE USE THEREOF**
[54] **COMPOSES DE SELENOGALACTOSIDE POUR LE TRAITEMENT DE TROUBLES DE LA RESISTANCE SYSTEMIQUE A L'INSULINE ET LEUR UTILISATION**
[72] TRABER, PETER G., US
[72] ZOMER, ELIEZER, US
[72] SLATE, DEIRDRE, US
[72] JOHNSON, JOSEPH M., US
[72] GEORGE, RYAN, US
[72] SHECHTER, SHARON, US
[72] NIR, RAPHAEL, US
[71] GALECTIN SCIENCES, LLC, US
[85] 2020-04-23
[86] 2018-05-11 (PCT/US2018/032321)
[87] (WO2019/089080)
[30] US (62/579,343) 2017-10-31

[21] **3,080,129**
[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/18 (2006.01) B32B 27/20 (2006.01) B32B 27/36 (2006.01)**
[25] EN
[54] **LOW CARBON FOOTPRINT THERMOPLASTIC FILMS INCLUDING RECYCLED MATERIALS**
[54] **FILMS THERMOPLASTIQUES A FAIBLE EMPREINTE CARBONE COMPRENANT DES MATERIAUX RECYCLES**
[72] SARGEANT, STEVEN, US
[72] SHARMA, KRISHNA KANT, US
[72] SRIVASTAVA, AARUSHI, IN
[72] PARASHAR, RAJEEV, IN
[72] KHOLIYA, BIKARAM, US
[71] FLEX FILMS (USA), INC., US
[85] 2020-04-23
[86] 2018-10-31 (PCT/US2018/058363)
[87] (WO2019/089698)
[30] US (62/579,288) 2017-10-31
[30] US (16/175,955) 2018-10-31

[21] **3,080,130**
[13] A1
[51] **Int.Cl. C09D 1/02 (2006.01) C09D 11/037 (2014.01) C09D 11/02 (2014.01)**
[25] EN
[54] **OPAQUE INK FORMULATIONS AND ASSOCIATED WRITING INSTRUMENTS**
[54] **FORMULATIONS D'ENCRE OPAQUE ET INSTRUMENTS D'ECRITURE ASSOCIES**
[72] KWAN, WING SUM VINCENT, US
[72] SEXTON, MARTY, US
[71] SANFORD L.P., US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057450)
[87] (WO2019/084231)
[30] US (62/577,372) 2017-10-26

[21] **3,080,131**
[13] A1
[51] **Int.Cl. C09J 175/00 (2006.01) C08G 18/10 (2006.01) C08G 18/48 (2006.01) C08G 65/336 (2006.01) C08L 75/02 (2006.01) C08L 75/04 (2006.01) C08L 75/08 (2006.01) C08L 83/04 (2006.01) C08L 101/10 (2006.01) C09J 169/00 (2006.01) C09J 175/04 (2006.01) C09J 183/04 (2006.01) C09J 183/12 (2006.01)**
[25] EN
[54] **SILANE MODIFIED POLYMERS AND USE OF THE SAME IN ADHESIVE COMPOSITIONS**
[54] **POLYMERES MODIFIES PAR SILANE ET LEUR UTILISATION DANS DES COMPOSITIONS ADHESIVES**
[72] SUEN, WU, US
[72] EODICE, ANDREA KEYS, US
[72] MECKEL-JONAS, CLAUDIA, DE
[72] DESPOTOPOULOU, CHRISTINA, US
[72] KLEIN, JOHANN, DE
[71] HENKEL IP & HOLDING GMBH, DE
[71] HENKEL AG & CO. KGAA, DE
[85] 2020-04-23
[86] 2018-11-07 (PCT/US2018/059548)
[87] (WO2019/094414)
[30] US (62/582,363) 2017-11-07
[30] US (62/754,756) 2018-11-02

[21] **3,080,132**
[13] A1
[51] **Int.Cl. B29C 64/205 (2017.01) B33Y 30/00 (2015.01) B29C 64/106 (2017.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR ADDITIVE MANUFACTURING AT AMBIENT TEMPERATURE**
[54] **APPAREIL ET PROCEDES DE FABRICATION ADDITIVE A TEMPERATURE AMBIANTE**
[72] VAAL, SCOTT G., US
[71] THERMWOOD CORPORATION, US
[85] 2020-04-23
[86] 2018-07-09 (PCT/US2018/041236)
[87] (WO2019/094069)
[30] US (15/805,451) 2017-11-07

[21] **3,080,133**
[13] A1
[51] **Int.Cl. E21B 47/04 (2012.01) E21B 43/12 (2006.01)**
[25] EN
[54] **LIQUID LEVEL SENSOR SYSTEM**
[54] **SYSTEME DETECTEUR DE NIVEAU DE LIQUIDE**
[72] SCHAUPP, JOHN F., US
[72] FISCHER, DAVID A., US
[72] STEVENS-MOMAN, LEONARD FELTON, US
[72] ALLEN, WILLIAM C., III, US
[71] Q.E.D. ENVIRONMENTAL SYSTEMS, INC., US
[85] 2020-04-23
[86] 2018-10-31 (PCT/US2018/058507)
[87] (WO2019/089792)
[30] US (62/580,750) 2017-11-02

[21] **3,080,134**
[13] A1
[51] **Int.Cl. F16F 15/04 (2006.01) B32B 15/04 (2006.01) B60R 13/08 (2006.01) F16F 1/40 (2006.01) F16F 7/108 (2006.01) F16F 9/30 (2006.01)**
[25] EN
[54] **VIBRATION REDUCTION SHEET AND METHOD OF REDUCING VIBRATION**
[54] **FEUILLE DE REDUCTION DE VIBRATIONS ET PROCEDE DE REDUCTION DE VIBRATIONS**
[72] BASHYAM, NAVANEETH RAJ, US
[71] AVERY DENNISON CORPORATION, US
[85] 2020-04-23
[86] 2018-11-13 (PCT/US2018/060692)
[87] (WO2019/099363)
[30] US (62/585,144) 2017-11-13

[21] **3,080,135**
[13] A1
[25] EN
[54] **UNDERWATER PLATFORM INSTALLATION IN AN EXISTING SWIMMING POOL**
[54] **INSTALLATION DE PLATE-FORME IMMERGEE DANS UNE PISCINE EXISTANTE**
[72] MASTERSON, THOMAS JOSEPH, US
[71] SHAREQUIP, INC., US
[85] 2020-04-23
[86] 2018-09-20 (PCT/US2018/052070)
[87] (WO2019/083651)
[30] US (15/790,296) 2017-10-23

[21] **3,080,136**
[13] A1
[51] **Int.Cl. F16L 47/03 (2006.01) F16L 47/28 (2006.01) F16L 47/30 (2006.01) F16L 47/34 (2006.01) B29C 65/34 (2006.01)**
[25] EN
[54] **FUSIBLE SIZE-ON-SIZE OR REDUCED BRANCH FITTING FOR USE WITH POLYETHYLENE PIPE**
[54] **RACCORD POUR DERIVATION FUSIBLE DE TYPE TAILLE SUR TAILLE OU REDUITE DESTINE A ETRE UTILISE AVEC UN TUYAU EN POLYETHYLENE**
[72] COOPER, GRANT, US
[72] SICKLES, JARED, US
[71] TDW DELAWARE, INC., US
[85] 2020-04-23
[86] 2018-11-06 (PCT/US2018/059386)
[87] (WO2019/090305)
[30] US (62/582,046) 2017-11-06

[21] **3,080,137**
[13] A1
[51] **Int.Cl. A61K 47/00 (2006.01) A61K 47/51 (2017.01)**
[25] EN
[54] **ANTI-TISSUE FACTOR ANTIBODY-DRUG CONJUGATES AND THEIR USE IN THE TREATMENT OF CANCER**
[54] **CONJUGUES ANTICORPS ANTI-FACTEUR TISSULAIRE-MEDICAMENT ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] RANGWALA, RESHMA ABDULLA, US
[72] LISBY, STEEN, DK
[71] GENMAB A/S, DK
[85] 2020-04-23
[86] 2018-11-01 (PCT/US2018/058771)
[87] (WO2019/089973)
[30] US (62/580,877) 2017-11-02

[21] **3,080,138**
[13] A1
[51] **Int.Cl. A61K 31/5513 (2006.01) A61K 45/06 (2006.01) C07D 243/16 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE RESOLUTION OF BENZODIAZEPIN-2-ONE AND BENZOAZEPIN-2-ONE DERIVATIVES**
[54] **PROCEDE POUR LA RESOLUTION DE DERIVES BENZODIAZEPIN-2-ONE ET BENZOAZEPIN-2-ONE**
[72] HAGUE, ANDREW, US
[72] RONSHEIM, MATTHEW, US
[71] ENANTA PHARMACEUTICALS, INC., US
[85] 2020-04-23
[86] 2018-11-13 (PCT/US2018/060666)
[87] (WO2019/094903)
[30] US (62/585,192) 2017-11-13

[21] **3,080,139**
[13] A1
[51] **Int.Cl. H05B 41/285 (2006.01) F21V 23/00 (2015.01) F21V 23/04 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM DETECTION APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES DE DETECTION DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] SOFIATTI, CAROLINE, US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057526)
[87] (WO2019/084277)
[30] US (62/577,291) 2017-10-26

[21] **3,080,142**
[13] A1
[25] EN
[54] **METHODS AND APPARATUS FOR PERCUTANEOUS BYPASS GRAFT**
[54] **PROCEDES ET APPAREIL POUR GREFFE DE PONTAGE PERCUTANE**
[72] PORTER, CHRISTOPHER A., US
[71] HIGH DESERT RADIOLOGY, P.C., US
[85] 2020-04-23
[86] 2018-09-24 (PCT/US2018/052349)
[87] (WO2019/083659)
[30] US (15/790,256) 2017-10-23

[21] **3,080,144**
[13] A1
[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/30 (2006.01) A61L 27/40 (2006.01) A61L 27/44 (2006.01) A61L 27/50 (2006.01) A61L 27/52 (2006.01) C08J 3/075 (2006.01) C08J 3/24 (2006.01) C08L 1/02 (2006.01) C08L 33/24 (2006.01)**
[25] EN
[54] **TRIPLE-NETWORK HYDROGEL IMPLANTS FOR REPAIR OF CARTILAGE**
[54] **IMPLANTS D'HYDROGEL A TRIPLE RESEAU POUR LA REPARATION DE CARTILAGE**
[72] WILEY, BENJAMIN, US
[72] YANG, FEICHEN, US
[72] GALL, KENNETH, US
[72] RIBOH, JONATHAN, US
[71] DUKE UNIVERSITY, US
[85] 2020-04-23
[86] 2018-11-07 (PCT/US2018/059563)
[87] (WO2019/094426)
[30] US (62/582,505) 2017-11-07
[30] US (62/699,991) 2018-07-18

[21] **3,080,145**
[13] A1
[51] **Int.Cl. A24F 40/46 (2020.01) A24F 40/50 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING APPARATUS AND CRADLE CAPABLE OF RECEIVING SAME**
[54] **APPAREIL DE GENERATION D'AEROSOL ET SUPPORT APTE A LE RECEVOIR**
[72] HAN, JUNG HO, KR
[72] LIM, HUN II, KR
[72] LEE, JONG SUB, KR
[72] HAN, DAE NAM, KR
[72] YOON, JIN YOUNG, KR
[72] KIM, YOUNG LEA, KR
[72] LEE, JANG UK, KR
[72] JANG, JI SOO, KR
[72] LIM, WANG SEOP, KR
[72] LEE, MOON BONG, KR
[72] JU, SOUNG HO, KR
[72] PARK, DU JIN, KR
[72] YOON, SEONG WON, KR
[71] KT & G CORPORATION, KR
[85] 2020-05-04
[86] 2018-03-29 (PCT/KR2018/003691)
[87] (WO2018/182322)
[30] KR (10 2017 0040787) 2017-03-30
[30] KR (10-2017-0046938) 2017-04-11
[30] KR (10-2017-0077586) 2017-06-19
[30] KR (10-2017-0147605) 2017-11-07

[21] **3,080,147**
[13] A1
[51] **Int.Cl. C12N 1/19 (2006.01) C12N 1/16 (2006.01) C12N 9/10 (2006.01) C12N 15/54 (2006.01) C12P 7/02 (2006.01) C12P 7/06 (2006.01)**
[25] EN
[54] **YEAST WITH IMPROVED ALCOHOL PRODUCTION**
[54] **LEVURE AVEC PRODUCTION D'ALCOOL AMELIOREE**
[72] FAN, XIAOCHUN, US
[72] CHEN, ZHONGQIANG, US
[72] QI, MIN, US
[71] DANISCO US INC, US
[85] 2020-04-23
[86] 2018-10-22 (PCT/US2018/056861)
[87] (WO2019/083879)
[30] US (62/576,444) 2017-10-24

[21] **3,080,148**
[13] A1
[51] **Int.Cl. C07K 16/26 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANGPTL8-BINDING AGENTS AND METHODS OF USE THEREOF**
[54] **AGENTS DE LIAISON A ANGPTL8 ET LEURS METHODES D'UTILISATION**
[72] CHU, CHUN, US
[72] DING, XUNSHAN, US
[72] LIU, ZHONGHAO, US
[72] WANG, YAN, US
[72] YIN, YIYUAN, US
[72] ZHAI, WENWU, US
[71] NGM BIOPHARMACEUTICALS, INC., US
[85] 2020-04-23
[86] 2018-11-08 (PCT/US2018/059734)
[87] (WO2019/094533)
[30] US (62/584,637) 2017-11-10

[21] **3,080,149**
[13] A1
[51] **Int.Cl. G01N 1/30 (2006.01) C12Q 1/6841 (2018.01) G01N 33/50 (2006.01)**
[25] EN
[54] **LIPID-PRESERVING REFRACTIVE INDEX MATCHING FOR PROLONGED IMAGING DEPTH FOR TRANSPARENT TISSUE SAMPLE AND COMPOSITION**
[54] **APPARIEMENT D'INDICE DE REFRACTION PRESERVANT LES LIPIDES POUR UNE PROFONDEUR D'IMAGERIE PROLONGEE POUR UN ECHANTILLON DE TISSU TRANSPARENT ET COMPOSITION**
[72] JENKINS, MICHAEL W., US
[72] LIU, YEHE, US
[71] CASE WESTERN RESERVE UNIVERSITY, US
[85] 2020-04-23
[86] 2018-11-09 (PCT/US2018/060078)
[87] (WO2019/094753)
[30] US (62/583,649) 2017-11-09

[21] **3,080,150**
[13] A1
[25] EN
[54] **THREE DIMENSIONAL PRINT METHOD AND PART**
[54] **PROCEDE D'IMPRESSION TRIDIMENSIONNELLE ET PIECE**
[72] HARMON, GARRETT, US
[72] HAZEL, SHANNON, US
[72] SWEENEY, CHARLES BRANDON, US
[72] TEIPEL, BLAKE, US
[71] TRIFUSION DEVICES INC., US
[85] 2020-04-23
[86] 2018-10-23 (PCT/US2018/057084)
[87] (WO2019/083988)
[30] US (62/575,810) 2017-10-23

[21] **3,080,151**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/32 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **ROTARY OSCILLATING/RECIPROCATING SURGICAL TOOL**
[54] **INSTRUMENT CHIRURGICAL OSCILLANT/A MOUVEMENT DE VA-ET-VIENT ROTATIF**
[72] BONO, PETER L., US
[72] LARK, JAMES D., US
[72] SCALES, JOHN S., US
[71] BONO, PETER L., US
[85] 2020-04-23
[86] 2018-10-23 (PCT/US2018/057078)
[87] (WO2019/083983)
[30] US (62/575,775) 2017-10-23
[30] US (16/168,011) 2018-10-23

[21] **3,080,153**
[13] A1
[51] **Int.Cl. A23L 9/20 (2016.01) A23D 7/02 (2006.01) A23D 9/02 (2006.01)**
[25] EN
[54] **PLANT-BASED CULINARY CREME**
[54] **CREME CULINAIRE A BASE DE PLANTES**
[72] KINKELAAR, DANIEL, US
[72] PALAV, TRUPTI, US
[71] RICH PRODUCTS CORPORATION, US
[85] 2020-04-20
[86] 2018-10-19 (PCT/US2018/056622)
[87] (WO2019/079669)
[30] US (62/574,881) 2017-10-20

[21] **3,080,156**
[13] A1
[25] EN
[54] **PACKAGE DELIVERY WITH MESSAGE MANAGEMENT**
[54] **LIVRAISON DE COLIS AVEC GESTION DE MESSAGES**
[72] IVESTER, ALLEN, US
[71] IVESTER, ALLEN, US
[85] 2020-04-23
[86] 2018-10-23 (PCT/US2018/057118)
[87] (WO2019/084014)
[30] US (62/576,223) 2017-10-24
[30] US (62/642,692) 2018-03-14

[21] **3,080,157**
[13] A1
[51] **Int.Cl. A61K 47/36 (2006.01) A61K 31/00 (2006.01) A61K 47/38 (2006.01) C07D 471/22 (2006.01)**
[25] EN
[54] **FORMULATIONS OF A MACROCYCLIC TRK KINASE INHIBITOR**
[54] **FORMULATIONS D'UN INHIBITEUR DE KINASE TRK MACROCYCLIQUE**
[72] ZHAO, QIAN, US
[72] SPENCER, STACEY, US
[72] JIANG, YUTONG, US
[72] HAAS, JULIA, US
[72] EARY, CHARLES TODD, US
[71] ARRAY BIOPHARMA INC., US
[71] LOXO ONCOLOGY, INC., US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057542)
[87] (WO2019/084285)
[30] US (62/577,449) 2017-10-26
[30] US (62/736,102) 2018-09-25

[21] **3,080,159**
[13] A1
[51] **Int.Cl. A01N 37/36 (2006.01) A23K 20/105 (2016.01) A23K 20/189 (2016.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF IMPROVING DIETARY PHOSPHORUS AND CALCIUM UTILIZATION IN ANIMALS**
[54] **COMPOSITIONS ET PROCEDES D'AMELIORATION DE L'UTILISATION DES PHOSPHORE ET CALCIUM ALIMENTAIRES CHEZ DES ANIMAUX**
[72] REN, PING, US
[72] WEDEKIND, KAREN, US
[72] VAZQUEZ-ANON, MERCEDES, US
[71] NOVUS INTERNATIONAL INC., US
[85] 2020-04-23
[86] 2018-11-14 (PCT/US2018/060914)
[87] (WO2019/099445)
[30] US (62/587,708) 2017-11-17

[21] **3,080,162**
[13] A1
[51] **Int.Cl. C22B 21/00 (2006.01) C22B 1/00 (2006.01) C22B 21/06 (2006.01)**
[25] EN
[54] **METHODS FOR RECOVERING MACHINING SCRAP**
[54] **PROCEDES POUR RECUPERER DES DECHETS D'USINAGE**
[72] KRUZYNSKI, MARK, US
[72] KRUZYNSKI, GREGG, US
[72] SAMPLE, VIVEK, US
[72] HOFMANN, ACHIM, DE
[71] ARCONIC TECHNOLOGIES LLC, US
[85] 2020-04-23
[86] 2018-11-20 (PCT/US2018/061928)
[87] (WO2019/100042)
[30] US (62/588,752) 2017-11-20

[21] **3,080,164**
[13] A1
[51] **Int.Cl. H05B 47/19 (2020.01) F21V 23/00 (2015.01) F21V 23/04 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM MULTI-WAY APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES MULTI-VOIES DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] SMITH, IAN CHARLES, US
[72] LARK, JR., WILLIAM LARK, US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057548)
[87] (WO2019/084291)
[30] US (62/577,303) 2017-10-26

[21] **3,080,166**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF USE FOR TREATING ABERRANT INFLAMMATION IN PERI-OCULAR SECRETORY GLANDS OR AT THE OCULAR SURFACE**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION POUR TRAITER UNE INFLAMMATION ABERRANTE DANS DES GLANDES SECRETOIRES PERIOCULAIRES OU AU NIVEAU DE LA SURFACE OCULAIRE**
[72] BOSWORTH, CHARLES F., US
[72] KRAUSS, ACHIM H., US
[71] AXEROVISION, INC., US
[85] 2020-04-23
[86] 2018-11-21 (PCT/US2018/062298)
[87] (WO2019/104207)
[30] US (62/589,493) 2017-11-21

[21] **3,080,167**
[13] A1
[51] **Int.Cl. H05B 47/10 (2020.01) H05B 47/19 (2020.01) F21V 23/00 (2015.01) F21V 23/04 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHTING CONTROL SYSTEM BULB SELF IDENTIFICATION APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET PROCEDES D'IDENTIFICATION AUTOMATIQUE D'AMPOULE DE SYSTEME DE COMMANDE D'ECLAIRAGE INTELLIGENT**
[72] CHU, JOSEPH YAO HUA, US
[71] RACEPOINT ENERGY, LLC, US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057557)
[87] (WO2019/084298)
[30] US (62/577,252) 2017-10-26

[21] **3,080,170**
[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) G06F 17/10 (2006.01)**
[25] EN
[54] **MODELS FOR TARGETED SEQUENCING**
[54] **MODELES POUR LE SEQUENCAGE CIBLE**
[72] BLOCKER, ALEXANDER, WEAVER, US
[72] HUBBELL, EARL, US
[72] VENN, OLIVER, CLAUDE, US
[72] LIU, QINWEN, US
[71] GRAIL, INC., US
[85] 2020-04-23
[86] 2018-11-27 (PCT/US2018/062666)
[87] (WO2019/108555)
[30] US (62/591,637) 2017-11-28
[30] US (62/610,917) 2017-12-27
[30] US (62/642,301) 2018-03-13
[30] US (62/679,347) 2018-06-01

[21] **3,080,172**
[13] A1
[51] **Int.Cl. C05F 11/08 (2006.01) C07K 14/195 (2006.01) C12N 1/20 (2006.01) C12N 9/12 (2006.01) C12N 15/10 (2006.01) C12N 15/52 (2006.01) C12N 15/67 (2006.01) C12N 15/74 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **GENE TARGETS FOR NITROGEN FIXATION TARGETING FOR IMPROVING PLANT TRAITS**
[54] **CIBLES GENETIQUES POUR CIBLAGE DE FIXATION D'AZOTE POUR L'AMELIORATION DES CARACTERISTIQUES DE PLANTES**
[72] TAMSIR, ALVIN, US
[72] BLOCH, SARAH, US
[72] SHAH, NEAL, US
[71] PIVOT BIO, INC., US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057613)
[87] (WO2019/084342)
[30] US (62/577,149) 2017-10-25

[21] **3,080,173**
[13] A1
[51] **Int.Cl. B23C 3/28 (2006.01) B23C 5/12 (2006.01)**
[25] EN
[54] **SLOT MILLING SEQUENCE**
[54] **SEQUENCE DE FRAISAGE DE RAINURE**
[72] HOLLIDAY, IAN EDWARD, US
[72] DOBOSZ, EMIL, US
[72] WARD, BERRY LESLIE, US
[72] THEAKER, ANTONY JAMES, US
[71] KYOCERA SGS PRECISION TOOLS, INC., US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057733)
[87] (WO2019/089377)
[30] US (62/580,160) 2017-11-01

[21] **3,080,174**
[13] A1
[51] **Int.Cl. E21B 47/09 (2012.01) G01C 9/06 (2006.01) G01C 19/02 (2006.01) G01P 3/44 (2006.01) G06F 17/10 (2006.01)**
[25] EN
[54] **NOISE ROBUST ALGORITHM FOR MEASURING GRAVITATIONAL TOOL-FACE**
[54] **ALGORITHME ROBUSTE AU BRUIT POUR MESURER UN FRONT D'OUTIL GRAVITATIONNEL**
[72] SOBHANA, RASHOBH RAJAN, SG
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-04-23
[86] 2018-11-29 (PCT/US2018/062986)
[87] (WO2019/118185)
[30] US (62/598,932) 2017-12-14

[21] **3,080,176**
[13] A1
[51] **Int.Cl. E02D 29/00 (2006.01) E02D 29/02 (2006.01)**
[25] EN
[54] **BUILDING ELEMENTS FOR MAKING RETAINING WALLS, AND SYSTEMS AND METHODS OF USING SAME**
[54] **ELEMENTS DE CONSTRUCTION POUR LA FABRICATION DE MURS DE RETENUE ET SYSTEMES ET PROCEDES LES UTILISANT**
[72] JAECKLIN, FELIX P., US
[71] JAECKLIN, FELIX P., US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057739)
[87] (WO2019/084422)
[30] US (62/577,451) 2017-10-26

[21] **3,080,177**
[13] A1
[51] **Int.Cl. H04N 19/593 (2014.01) H04N 19/105 (2014.01) H04N 19/11 (2014.01)**
[25] EN
[54] **INTRA-PREDICTION WITH FAR NEIGHBORING PIXELS**
[54] **INTRAPREDICTION AVEC DES PIXELS VOISINS ELOIGNES**
[72] ZHANG, KAI, US
[72] CHEN, JIANLE, US
[72] ZHAO, XIN, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-04-23
[86] 2018-12-05 (PCT/US2018/064065)
[87] (WO2019/113205)
[30] US (62/594,989) 2017-12-05
[30] US (16/209,560) 2018-12-04

[21] **3,080,178**
[13] A1
[51] **Int.Cl. F16F 13/00 (2006.01) B64D 27/26 (2006.01) F02C 7/20 (2006.01) F16F 15/023 (2006.01)**
[25] EN
[54] **ENGINE MOUNT SYSTEM AND ELEMENTS FOR REDUCED FORCE TRANSMISSION AND REDUCED STATIC MOTION AND ASSOCIATED METHODS**
[54] **SYSTEME DE SUPPORT POUR MOTEUR ET ELEMENTS REDUISANT LA TRANSMISSION DE FORCE ET MOUVEMENT STATIQUE REDUIT ET PROCEDES ASSOCIES**
[72] WHITEFORD, GERALD P., US
[72] SACCO, JONATHAN, US
[71] LORD CORPORATION, US
[85] 2020-04-23
[86] 2019-01-15 (PCT/US2019/013625)
[87] (WO2019/140437)
[30] US (62/617,395) 2018-01-15

[21] **3,080,179**
[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/66 (2017.01) A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 47/46 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01) C07K 14/16 (2006.01) C12N 9/22 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **NUCLEAR-TARGETED DNA REPAIR ENZYMES AND METHODS OF USE**
[54] **ENZYMES DE REPARATION DE L'ADN CIBLANT LE NOYAU ET PROCEDES D'UTILISATION**
[72] LLOYD. R. STEPHEN, US
[72] MCCULLOUGH, AMANDA, US
[71] OREGON HEALTH & SCIENCE UNIVERSITY, US
[85] 2020-04-23
[86] 2018-11-14 (PCT/US2018/061108)
[87] (WO2019/099559)
[30] US (62/585,947) 2017-11-14

[21] **3,080,180**
[13] A1
[51] **Int.Cl. G06N 10/00 (2019.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PERFORMING PHASE OPERATIONS**
[54] **PROCEDES ET APPAREIL DE REALISATION D'OPERATIONS DE PHASE**
[72] GIDNEY, CRAIG, US
[71] GOOGLE LLC, US
[85] 2020-04-23
[86] 2019-04-16 (PCT/US2019/027640)
[87] (WO2019/204282)
[30] US (62/658,993) 2018-04-17

[21] **3,080,185**
[13] A1
[51] **Int.Cl. G01R 15/18 (2006.01) G01V 3/08 (2006.01) G05F 1/10 (2006.01) H01F 27/06 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTOR WITH SENSOR**
[54] **CONNECTEUR ELECTRIQUE A CAPTEUR**
[72] DIOP, SEYDOU, US
[72] CANDELARIA, ADRIAN BEAU, US
[71] HUBBELL INCORPORATED, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057758)
[87] (WO2019/084436)
[30] US (62/577,483) 2017-10-26

[21] **3,080,187**
[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61P 7/00 (2006.01) C07K 16/46 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **DOSAGE AND ADMINISTRATION OF ANTI-C5 ANTIBODIES FOR TREATMENT OF PAROXYSMAL NOCTURNAL HEMOGLOBINURIA (PNH) AND ATYPICAL HEMOLYTIC UREMIC SYNDROME (AHUS)**
[54] **DOSAGE ET ADMINISTRATION D'ANTICORPS ANTI-C5 POUR LE TRAITEMENT DE L'HEMOGLOBINURIE PAROXYSTIQUE NOCTURNE (PNH) ET DU SYNDROME HEMOLYTIQUE ET UREMIQUE ATYPIQUE (AHUS)**
[72] SHAFNER, LORI, US
[72] ROTTINGHAUS, SCOTT T., US
[72] PRADHAN, RAJENDRA, US
[72] DAMOKOSH, ANDREW, US
[72] GAO, XIANG, US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057760)
[87] (WO2019/084438)
[30] US (62/577,244) 2017-10-26
[30] US (62/643,056) 2018-03-14
[30] US (62/643,608) 2018-03-15
[30] US (62/662,503) 2018-04-25
[30] US (62/685,425) 2018-06-15
[30] US (62/685,505) 2018-06-15

[21] **3,080,193**
[13] A1
[51] **Int.Cl. C07K 5/068 (2006.01) A61K 38/05 (2006.01) A61P 19/04 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 5/06 (2006.01) C07K 5/062 (2006.01)**
[25] EN
[54] **DIPEPTIDE ANALOGS AS TGF-BETA INHIBITORS**
[54] **ANALOGUES DIPEPTIDIQUES UTILISES COMME INHIBITEURS DU TGF-BETA**
[72] SUTO, MARK J., US
[72] GUPTA, VANDANA, US
[72] MATHEW, BINI, US
[72] MURPHY-ULLRICH, JOANNE, US
[71] SOUTHERN RESEARCH INSTITUTE, US
[71] UAB RESEARCH FOUNDATION, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057786)
[87] (WO2019/084455)
[30] US (62/577,604) 2017-10-26

[21] **3,080,197**
[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/14 (2006.01) A61K 9/16 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **FORMULATIONS OF A COMPOUND MODULATING KINASES**
[54] **FORMULATION D'UN COMPOSE MODULANT LES KINASES**
[72] VISOR, GARY CONARD, US
[72] REZAEI, HAMID, US
[72] NESPI, MARIKA, US
[72] IBRAHIM, PRABHA N., US
[71] PLEXXIKON INC., US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057797)
[87] (WO2019/084462)
[30] US (62/578,334) 2017-10-27

[21] **3,080,202**
[13] A1
[51] **Int.Cl. C07D 285/12 (2006.01) A61K 31/4245 (2006.01) A61K 31/433 (2006.01) A61K 31/4439 (2006.01) C07D 271/10 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **OXADIAZOLES AND THIADIAZOLES AS TGF-BETA INHIBITORS**
[54] **OXADIAZOLES ET THIADIAZOLES EN TANT QU'INHIBITEURS DU TGF-BETA**
[72] MURPHY-ULLRICH, JOANNE, US
[72] SUTO, MARK J., US
[72] GUPTA, VANDANA V., US
[72] MATHEW, BINI, US
[71] SOUTHERN RESEARCH INSTITUTE, US
[71] UAB RESEARCH FOUNDATION, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057798)
[87] (WO2019/084463)
[30] US (62/577,608) 2017-10-26

[21] **3,080,203**
[13] A1
[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **MEDIA STORAGE DEVICE INCLUDING MULTIPLE PARTITIONS**
[54] **DISPOSITIF DE STOCKAGE MULTIMEDIA COMPRENANT DE MULTIPLES PARTITIONS**
[72] RUCCIA, ROBERT, US
[71] URFLASH LLC, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057825)
[87] (WO2019/084479)
[30] US (62/577,518) 2017-10-26
[30] US (16/172,281) 2018-10-26

[21] **3,080,204**
[13] A1
[51] **Int.Cl. B64C 29/00 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **COMPOUND MULTI-COPTER AIRCRAFT**
[54] **AERONEF MULTICOPTERE COMPOSITE**
[72] WEEKES, TERIK, US
[72] BELARDO, SEAN, US
[72] COPE, CLINT, US
[72] OWEN, COLIN, US
[72] MERRILL, DAVID, US
[71] ELROY AIR, INC., US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057837)
[87] (WO2019/084487)
[30] US (62/578,254) 2017-10-27
[30] US (62/609,107) 2017-12-21
[30] US (62/610,659) 2017-12-27
[30] US (16/172,470) 2018-10-26

[21] **3,080,205**
[13] A1
[51] **Int.Cl. A61K 9/06 (2006.01) A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 31/58 (2006.01) A61K 47/08 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/24 (2006.01) A61K 47/32 (2006.01)**
[25] EN
[54] **TOPICAL FORMULATIONS FOR TREATING DERMATOLOGICAL DISORDERS INCLUDING MALE PATTERN BALDNESS**
[54] **FORMULATIONS TOPIQUES DESTINEES AU TRAITEMENT D'AFFECTIONS DERMATOLOGIQUES COMPRENANT LA CALVITIE HIPPOCRATIQUE**
[72] HASSON, VICTOR, CA
[72] CASTIGLIONI, MAURO, IT
[71] TOPIRX THERAPEUTICS INC., CA
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057861)
[87] (WO2019/084503)
[30] US (62/577,869) 2017-10-27

[21] **3,080,206**
[13] A1
[51] **Int.Cl. G01N 27/04 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASURING SOIL ELECTRICAL CONDUCTIVITY**
[54] **SYSTEME ET PROCEDE DE MESURE DIRECTE DE LA CONDUCTIVITE ELECTRIQUE DU SOL**
[72] KISS, MICHAEL Z., US
[71] TRIBUS, LLC, US
[85] 2020-04-23
[86] 2018-10-26 (PCT/US2018/057876)
[87] (WO2019/084516)
[30] US (62/577,637) 2017-10-26
[30] US (16/172,720) 2018-10-26

[21] **3,080,209**
[13] A1
[51] **Int.Cl. G06F 16/14 (2019.01) G06Q 10/04 (2012.01) G06Q 30/06 (2012.01) G06Q 40/02 (2012.01) G06Q 40/04 (2012.01) G06Q 40/06 (2012.01) G06F 16/2457 (2019.01) G06F 16/383 (2019.01) G06F 17/18 (2006.01)**
[25] EN
[54] **AUTOMATED ENTERPRISE TRANSACTION DATA AGGREGATION AND ACCOUNTING**
[54] **AGREGATION ET COMPTABILISATION DE DONNEES DE TRANSACTION D'ENTREPRISE AUTOMATIQUES**
[72] DOTTER, JAMES, US
[71] MX TECHNOLOGIES, INC., US
[85] 2020-04-23
[86] 2019-09-03 (PCT/US2019/049373)
[87] (WO2020/047550)
[30] US (62/726,196) 2018-08-31

[21] **3,080,211**
[13] A1
[51] **Int.Cl. F27B 5/04 (2006.01) D01F 9/32 (2006.01) F27B 5/10 (2006.01) F27B 5/14 (2006.01) F27D 7/06 (2006.01)**
[25] EN
[54] **CONTROLLED ATMOSPHERE RECIRCULATION OVEN**
[54] **FOUR A RECIRCULATION D'ATMOSPHERE CONTROLEE**
[72] GOODEN, BRIAN PHILIP, AU
[72] NEWMAN, PETER, AU
[71] FURNACE ENGINEERING PTY LTD, AU
[85] 2020-04-24
[86] 2018-11-01 (PCT/AU2018/051184)
[87] (WO2019/084618)
[30] US (62/580,888) 2017-11-02

[21] **3,080,215**
[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6869 (2018.01) G16B 30/00 (2019.01) C12M 1/34 (2006.01) G01N 1/40 (2006.01)**
[25] EN
[54] **CANCER DETECTION, CLASSIFICATION, PROGNOSTICATION, THERAPY PREDICTION AND THERAPY MONITORING USING METHYLOME ANALYSIS**
[54] **DETECTION, CLASSIFICATION, PRONOSTIC, PREDICTION DE THERAPIE ET SURVEILLANCE DE THERAPIE DU CANCER A L'AIDE D'UNE ANALYSE DU METHYLOME**
[72] DE CARVALHO, DANIEL DINIZ, CA
[72] BRATMAN, SCOTT VICTOR, CA
[72] CHAKRAVARTHY, ANKUR RAVINARAYANA, CA
[72] SINGHANIA, RAJAT, CA
[72] BURGENER, JUSTIN MATTHEW, CA
[72] SHEN, SHU YI, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[71] SINAI HEALTH SYSTEM, CA
[85] 2020-04-24
[86] 2018-11-01 (PCT/CA2018/000203)
[87] (WO2019/084659)
[30] US (62/581,188) 2017-11-03
[30] CA (PCT/CA2018/000141) 2018-07-11

[21] **3,080,219**
[13] A1
[51] **Int.Cl. B32B 27/18 (2006.01) C09D 11/52 (2014.01) B32B 27/04 (2006.01) B32B 27/08 (2006.01) H05K 1/09 (2006.01) H05K 3/12 (2006.01)**
[25] EN
[54] **BORON NITRIDE NANOTUBE COATED SUBSTRATES FOR SINTERING OF METALLIC TRACES BY INTENSE PULSE LIGHT**
[54] **SUBSTRATS REVETUS DE NANOTUBES DE NITRURE DE BORE DESTINES AU FRITTAGE DE TRACES METALLIQUES PAR UNE LUMIERE PULSEE INTENSE**
[72] PAQUET, CHANTAL, CA
[72] LEFEBVRE, JACQUES, CA
[72] GUAN, JINGWEN, CA
[72] MALENFANT, PATRICK ROLAND LUCIEN, CA
[72] SIMARD, BENOIT, CA
[72] MARTINEZ-RUBI, YADIENKA, CA
[72] KELL, ARNOLD, CA
[72] LIU, XIANGYANG, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2020-04-24
[86] 2018-10-26 (PCT/CA2018/051357)
[87] (WO2019/079902)
[30] US (62/578,003) 2017-10-27
[30] US (62/650,091) 2018-03-29

[21] **3,080,223**
[13] A1
[51] **Int.Cl. B64D 47/02 (2006.01) B64C 39/02 (2006.01)**
[25] EN
[54] **UNMANNED AERIAL VEHICLE AND METHOD FOR INDICATING A LANDING ZONE**
[54] **VEHICULE AERIEN SANS EQUIPAGE ET PROCEDE D'INDICATION D'UNE ZONE D'ATTERRISSAGE**
[72] DI BENEDETTO, PAUL, CA
[72] COLACITTI, GREGORY, CA
[71] DRONE DELIVERY CANADA CORP., CA
[85] 2020-04-24
[86] 2018-10-26 (PCT/CA2018/051360)
[87] (WO2019/079903)
[30] US (15/796,214) 2017-10-27

[21] **3,080,224**
[13] A1
[51] **Int.Cl. A61B 50/30 (2016.01) A61B 90/00 (2016.01) A01N 1/02 (2006.01) A61F 17/00 (2006.01) H02J 7/00 (2006.01) A61B 5/01 (2006.01) A61B 5/02 (2006.01) A61B 5/08 (2006.01) A61B 5/1455 (2006.01) A61K 31/137 (2006.01) A61K 39/00 (2006.01) A61N 1/39 (2006.01)**
[25] EN
[54] **MEDICAL OR EMERGENCY PACKAGE AND METHOD OF USE THEREOF**
[54] **EMBALLAGE MEDICAL OU D'URGENCE ET SON PROCEDE D'UTILISATION**
[72] DI BENEDETTO, PAUL, CA
[72] COLACITTI, GREGORY, CA
[71] DRONE DELIVERY CANADA CORP., CA
[85] 2020-04-24
[86] 2018-10-26 (PCT/CA2018/051361)
[87] (WO2019/079904)
[30] US (15/796,210) 2017-10-27

[21] **3,080,229**
[13] A1
[51] **Int.Cl. G01M 13/00 (2019.01) G01M 13/003 (2019.01) F16K 31/02 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **VALVE-DIAGNOSTIC SYSTEM AND DEVICE**
[54] **SYSTEME ET DISPOSITIF DE DIAGNOSTIC DE VALVE**
[72] FLANDIN, DANIEL EDGARDO, CA
[72] FLANDIN, NICHOLAS FELIX, CA
[72] ROSLOV, VITALII, CA
[71] GENERAL TECHNOLOGIES CORP., CA
[85] 2020-04-24
[86] 2018-10-29 (PCT/CA2018/051368)
[87] (WO2019/084676)
[30] US (62/580,375) 2017-11-01

[21] **3,080,231**
[13] A1
[51] **Int.Cl. B01D 11/02 (2006.01) A61K 31/00 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **TERPENE ENRICHMENT METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES D'ENRICHISSEMENT DE TERPENE**
[72] LANTELA, DANIEL ERIK, CA
[72] KAMAL, BRISHNA SORAYA, CA
[72] WONG, KELVIN KIN-WING, CA
[71] WHISTLER TECHNOLOGIES CORP., CA
[85] 2020-04-24
[86] 2018-10-30 (PCT/CA2018/051374)
[87] (WO2019/084679)
[30] US (62/578,971) 2017-10-30

[21] **3,080,239**
[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) G01N 33/564 (2006.01)**
[25] EN
[54] **EXTENDED INTERVAL DOSING OF NATALIZUMAB**
[54] **POSOLOGIE A INTERVALLE ETENDU DE NATALIZUMAB**
[72] CAMPBELL, NOLAN ROBERT, US
[72] CHANG, IH, US
[72] MURALIDHARAN, BHARATH KUMAR KANDADI, US
[72] NESTOROV, IVAN ALEXANDROV, US
[71] BIOGEN MA INC., US
[85] 2020-04-23
[86] 2018-10-25 (PCT/US2018/057605)
[87] (WO2019/084335)
[30] US (62/577,671) 2017-10-26
[30] US (62/608,048) 2017-12-20
[30] US (62/717,543) 2018-08-10
[30] US (62/750,184) 2018-10-24

[21] **3,080,240**
[13] A1
[51] **Int.Cl. G06F 3/048 (2013.01) G05B 19/04 (2006.01) G06F 9/44 (2018.01) G06F 11/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISCOVERING AUTOMATABLE TASKS**
[54] **SYSTEMES ET PROCEDES DE DECOUVERTE DE TACHES AUTOMATISABLES**
[72] KIM, YOONGU, US
[72] QADIR, ABDUL, IN
[72] NARAYANASWAMY, ARJUN, IN
[72] MURTY, ROHAN NARAYAN, IN
[72] BARRATT, SHANE, US
[72] NYCHIS, GEORGE PETER, US
[71] SOROCO PRIVATE LIMITED, GB
[85] 2020-04-24
[86] 2017-10-26 (PCT/US2017/058603)
[87] (WO2018/081469)
[30] US (62/413,277) 2016-10-26

[21] **3,080,242**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **SUTURE BUTTON CONSTRUCT FOR SURGICAL PROCEDURES**
[54] **STRUCTURE DE BOUTON DE SUTURE POUR INTERVENTIONS CHIRURGICALES**
[72] ANDERSON, CHRISTIAN, US
[71] ANDERSON, CHRISTIAN, US
[85] 2020-04-24
[86] 2018-07-06 (PCT/US2018/041059)
[87] (WO2019/010398)
[30] US (15/643,173) 2017-07-06

[21] **3,080,243**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **SELF-CINCHING SUTURE CONSTRUCT APPARATUS**
[54] **APPAREIL DE CONSTRUCTION DE SUTURE A SERRAGE AUTOMATIQUE**
[72] ANDERSON, CHRISTIAN, US
[71] ANDERSON, CHRISTIAN, US
[85] 2020-04-24
[86] 2018-07-06 (PCT/US2018/041116)
[87] (WO2019/010434)
[30] US (15/643,173) 2017-07-06
[30] US (15/783,498) 2017-10-13
[30] US (15/937,390) 2018-03-27

[21] **3,080,244**
[13] A1
[51] **Int.Cl. H04W 76/11 (2018.01) H04W 4/38 (2018.01) H04W 4/80 (2018.01) H04W 76/14 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC PAIRING OF DEVICES**
[54] **SYSTEMES ET PROCEDES D'APPARIEMENT AUTOMATIQUE DE DISPOSITIFS**
[72] MCCLELLAN, CLINT, US
[71] INDIE HEALTH LLC, US
[85] 2020-04-24
[86] 2018-10-15 (PCT/US2018/055941)
[87] (WO2019/083763)
[30] US (15/793,903) 2017-10-25

[21] **3,080,245**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01) G06K 7/10 (2006.01) G06K 19/067 (2006.01) G08B 13/24 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING TRANSITION POINTS IN A RETAIL FACILITY**
[54] **SYSTEME ET PROCEDE PERMETTANT D'IDENTIFIER DES POINTS DE TRANSITION DANS UNE INSTALLATION DE VENTE AU DETAIL**
[72] JONES, NICHOLAUS A., US
[72] TINGLER, JEREMY R., US
[71] WALMART APOLLO, LLC, US
[85] 2020-04-24
[86] 2018-10-19 (PCT/US2018/056618)
[87] (WO2019/083822)
[30] US (62/576,258) 2017-10-24

[21] **3,080,246**
[13] A1
[51] **Int.Cl. C08G 59/22 (2006.01) B29C 70/48 (2006.01) C08G 59/18 (2006.01) C08G 59/26 (2006.01) C08G 59/32 (2006.01) C08G 59/38 (2006.01) C08G 59/50 (2006.01) C08L 63/00 (2006.01)**
[25] EN
[54] **RESIN COMPOSITIONS AND RESIN INFUSION PROCESS**
[54] **COMPOSITIONS DE RESINE ET PROCEDE D'INFUSION DE RESINE**
[72] MEEGAN, JONATHAN E., GB
[72] AURILIA, MARCO, IT
[71] CYTEC INDUSTRIES INC., US
[85] 2020-04-24
[86] 2018-10-23 (PCT/US2018/056986)
[87] (WO2019/083921)
[30] GB (1717639.7) 2017-10-26

[21] **3,080,247**
[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING USER-ACTIVITY-BASED REWARDS AND CUSTOMIZED RECOMMENDATIONS**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE DE RECOMPENSES SUR LA BASE D'UNE ACTIVITE UTILISATEUR, AINSI QUE DE RECOMMANDATIONS PERSONNALISEES**
[72] LANG, GARRETT, US
[71] MY MAVENS LLC, US
[85] 2020-04-24
[86] 2018-10-23 (PCT/US2018/057171)
[87] (WO2019/084056)
[30] US (62/576,198) 2017-10-24

[21] **3,080,248**
[13] A1
[51] **Int.Cl. B60R 11/04 (2006.01)**
[25] EN
[54] **ADD-ON PART HAVING AN INTEGRATED CAMERA MODULE**
[54] **COMPOSANT RAPPORTE DE VEHICULE AVEC UN MODULE DE CAMERA INTEGRE**
[72] BLANCHE, LUC-HENRY, DE
[72] FRIOCOURT, LAURENT, DE
[72] GULDAN, MARCUS, DE
[72] MOSNIER, CLEMENT, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-04-24
[86] 2018-10-18 (PCT/EP2018/078480)
[87] (WO2019/081315)
[30] EP (17198521.1) 2017-10-26

[21] **3,080,249**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 13/00 (2006.01) A61P 15/00 (2006.01)**
[25] EN
[54] **NOVEL PYRAZOLO-PYRROLO-PYRIMIDINE-DIONE DERIVATIVES AS P2X3 INHIBITORS**
[54] **NOUVEAUX DERIVES DE PYRAZOLO-PYRROLO-PYRIMIDINE-DIONE UTILISES EN TANT QU'INHIBITEURS DE P2X3**
[72] KOPPITZ, MARCUS, DE
[72] SIEBENEICHER, HOLGER, DE
[72] BRAUER, NICO, DE
[72] POOK, ELISABETH, DE
[72] ROTGERI, ANDREA, DE
[72] NEUHAUS, ROLAND, DE
[72] FISCHER, OLIVER MARTIN, DE
[72] NAGEL, JENS, DE
[72] DAVENPORT, ADAM JAMES, GB
[72] CARR, JAMES LINDSAY, GB
[72] TOWNSEND, ROBERT JAMES, GB
[72] CONNELLY URSINYOVA, NINA, GB
[72] PARROTT, SHELLEY ANNE, GB
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-04-24
[86] 2018-10-18 (PCT/EP2018/078567)
[87] (WO2019/081343)
[30] EP (17198769.6) 2017-10-27

[21] **3,080,250**
[13] A1
[51] **Int.Cl. H04N 1/405 (2006.01) B41J 2/205 (2006.01) B41M 1/04 (2006.01) B41M 1/06 (2006.01)**
[25] EN
[54] **DIGITAL HALFTONING WITH SPIRAL DOTS**
[54] **DEMI-TEINTE NUMERIQUE A POINTS EN SPIRALE**
[72] BARTELS, RUDOLF, BE
[71] AGFA NV, BE
[85] 2020-04-24
[86] 2018-10-23 (PCT/EP2018/079011)
[87] (WO2019/081493)
[30] EP (17198925.4) 2017-10-27
[30] EP (18188424.8) 2018-08-10

[21] **3,080,251**
[13] A1
[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/00 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **DPP3 BINDER DIRECTED TO AND BINDING TO SPECIFIC DPP3-EPITOPES AND ITS USE IN THE PREVENTION OR TREATMENT OF DISEASES / ACUTE CONDITIONS THAT ARE ASSOCIATED WITH OXIDATIVE STRESS**
[54] **LIANT DPP3 DIRIGE VERS ET SE LIANT A DES EPITOPES DPP3 SPECIFIQUES ET SON UTILISATION DANS LA PREVENTION OU LE TRAITEMENT DE MALADIES/ETATS AIGUS ASSOCIES AU STRESS OXYDATIF**
[72] BERGMANN, ANDREAS, DE
[71] 4TEEN4 PHARMACEUTICALS GMBH, DE
[85] 2020-04-24
[86] 2018-10-24 (PCT/EP2018/079197)
[87] (WO2019/081595)
[30] EP (17198420.6) 2017-10-25

[21] **3,080,252**
[13] A1
[51] **Int.Cl. B65D 83/04 (2006.01)**
[25] FR
[54] **SECURE PACKAGE FOR TABLETS**
[54] **CONDITIONNEMENT SECURISE POUR COMPRIMES**
[72] DOUCET, ERIC, FR
[72] DOUCET, CORINNE, FR
[71] A.C.D. (AGENCE COMMERCIALE DOUCET), FR
[85] 2020-04-24
[86] 2018-10-25 (PCT/EP2018/079240)
[87] (WO2019/081622)
[30] FR (1760101) 2017-10-26

[21] **3,080,253**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/35 (2006.01) A61K 39/39 (2006.01)**
[25] EN
[54] **TREATMENT OF IMMUNE DISEASES BY ADMINISTRATION OF ANTIGEN-SPECIFIC FORMULATIONS**
[54] **TRAITEMENT DE MALADIES IMMUNITAIRES PAR L'ADMINISTRATION DE FORMULATIONS SPECIFIQUES A DES ANTIGENES**
[72] POT, EMIL RICHARD GEORGE, BE
[72] LEENHOUTS, CORNELIS JOHANNES, NL
[72] SORENSEN, POUL, FR
[71] ALLERO THERAPEUTICS BV, BE
[85] 2020-04-24
[86] 2018-10-25 (PCT/EP2018/079246)
[87] (WO2019/081625)
[30] EP (17020500.9) 2017-10-25

[21] **3,080,254**
[13] A1
[51] **Int.Cl. E21B 43/16 (2006.01)**
[25] EN
[54] **SUBSEA SYSTEM AND METHOD FOR PRESSURIZING A SUBSEA OIL RESERVOIR INJECTING AT LEAST ONE OF WATER AND GAS**
[54] **SYSTEME ET PROCEDE SOUS-MARIN POUR LA MISE SOUS PRESSION D'UN RESERVOIR DE PETROLE SOUS-MARIN PAR INJECTION D'EAU ET/OU DE GAZ**
[72] RODRIGUES, ROBERTO, BR
[72] FERREIRA DA SILVA, HELVIO, BR
[72] FLECK HECK BRITTO, JOAO FRANCISCO, BR
[72] GODOY MOTA VALENCA, CLAUDIO JOSE, BR
[72] STARK DE ALMEIDA E SILVA, ANDRE, BR
[72] GUERREIRO DA SILVA, SIDNEI, BR
[72] GAVA COLOMBO, ELIAS, BR
[72] NOVILLE ROCHA CORREA LIMA, IVAN, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[85] 2020-04-23
[86] 2017-08-14 (PCT/BR2017/000093)
[87] (WO2019/033179)

[21] **3,080,255**
[13] A1
[51] **Int.Cl. C08J 9/40 (2006.01) C08J 9/232 (2006.01)**
[25] EN
[54] **METHOD FOR DYEING ELASTOMER PARTICLE FOAMS**
[54] **PROCEDE POUR COLORER DES MOUSSES PARTICULAIRES D'ELASTOMERE**
[72] PRISSOK, FRANK, DE
[72] HARMS, MICHAEL, DE
[71] BASF SE, DE
[85] 2020-04-24
[86] 2018-10-25 (PCT/EP2018/079293)
[87] (WO2019/081644)
[30] EP (17198591.4) 2017-10-26

[21] **3,080,256**
[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **WNT5A PEPTIDES IN REDUCTION OF CANCER STEM CELLS**
[54] **PEPTIDES WNT5A UTILISES DANS LA REDUCTION DE CELLULES SOUCHES CANCEREUSES**
[72] SJOLANDER, ANITA, SE
[71] WNTRESEARCH AB, SE
[85] 2020-04-24
[86] 2018-10-25 (PCT/EP2018/079319)
[87] (WO2019/081657)
[30] EP (17198369.5) 2017-10-25

[21] **3,080,257**
[13] A1
[51] **Int.Cl. A61B 5/097 (2006.01)**
[25] EN
[54] **PORTABLE FLUID SAMPLING DEVICE, SYSTEM FOR USING SAME, AND METHOD OF MAKING AND USING SAME**
[54] **DISPOSITIF D'ECHANTILLONNAGE DE FLUIDE PORTABLE, SYSTEME POUR UTILISER CE DISPOSITIF ET PROCEDE DE FABRICATION ET D'UTILISATION DE CE DISPOSITIF**
[72] PERDUE, ETHAN ROSS, US
[72] FOUTCH, ALEXIA, US
[72] PETERS, GARY, US
[71] CSP TECHNOLOGIES, INC., US
[85] 2020-04-23
[86] 2018-10-24 (PCT/US2018/057219)
[87] (WO2019/084092)
[30] US (62/576,607) 2017-10-24
[30] US (62/619,983) 2018-01-22

[21] **3,080,258**
[13] A1
[25] EN
[54] **PROCESS AND PLANT FOR FORMATION AND FOR CATALYTIC CONVERSION OF A REACTANT MIXTURE - EMBODIMENT OF THE REACTOR**
[54] **PROCEDE ET SYSTEME PERMETTANT DE FORMER ET DE CONVERTIR PAR CATALYSE UN MELANGE DE DEPART ET MODE DE REALISATION DE REACTEUR**
[72] WELLENHOFER, ANTON, DE
[72] ZELLHUBER, MATHIEU, DE
[72] SCHUBERT, MARTIN, DE
[72] BIRK, ROBERT, DE
[72] PICHLER, CELINE, FR
[72] FRITZ, HELMUT, DE
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2020-04-24
[86] 2018-10-25 (PCT/EP2018/079352)
[87] (WO2019/081682)
[30] EP (17198318.2) 2017-10-25

[21] **3,080,259**
[13] A1
[51] **Int.Cl. A61M 1/06 (2006.01)**
[25] EN
[54] **BREASTPUMP**
[54] **POMPE TIRE-LAIT**
[72] SCHLIENGER, ANDRE, CH
[72] HONER, SEBASTIAN, CH
[72] RIGERT, MARIO, CH
[72] FELBER, ARMIN, CH
[72] STEINER, MARCO, CH
[71] MEDELA HOLDING AG, CH
[85] 2020-04-24
[86] 2017-10-24 (PCT/EP2017/077141)
[87] (WO2019/080995)

[21] **3,080,260**
[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/04 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR ASSESSING AND TREATING INTRAOCULAR DISEASES AND DISORDERS**
[54] **PROCEDES ET COMPOSITIONS POUR EVALUER ET TRAITER DES MALADIES ET DES TROUBLES INTRAOCULAIRES**
[72] WEI, LAI, CN
[71] ZHUHAI QIWEI BIO-TECHNOLOGY LTD., CN
[85] 2020-04-23
[86] 2018-10-26 (PCT/CN2018/112022)
[87] (WO2019/080916)
[30] CN (201711017087.3) 2017-10-26

[21] **3,080,262**
[13] A1
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 4/00 (2006.01) A63G 21/06 (2006.01) A63G 21/12 (2006.01) A63G 21/14 (2006.01) A63G 25/00 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE COMPRISING AND/OR FOR VEHICLES**
[54] **MANEGE AYANT ET/OU POUR DES VEHICULES**
[72] MACK, MICHAEL, DE
[71] ROLLERCOASTERRESTAURANT ENTERTAINMENT GMBH, AT
[85] 2020-04-24
[86] 2018-10-22 (PCT/EP2018/000480)
[87] (WO2019/081055)
[30] DE (10 2017 009 996.0) 2017-10-26
[30] DE (10 2018 000 589.6) 2018-01-25

[21] **3,080,263**
[13] A1
[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHOD FOR DIAGNOSING CANCER FROM BLOOD**
[54] **METHODE DE DIAGNOSTIC DU CANCER A PARTIR DU SANG**
[72] KIM, SEONG JIN, KR
[72] YANG, KYUNG MIN, KR
[71] ADVANCED INSTITUTE OF CONVERGENCE TECHNOLOGY, KR
[71] MEDPACTO INC., KR
[85] 2020-04-23
[86] 2018-10-24 (PCT/KR2018/012591)
[87] (WO2019/083262)
[30] KR (10-2017-0138455) 2017-10-24

[21] **3,080,264**
[13] A1
[51] **Int.Cl. A24B 15/16 (2020.01)**
[25] EN
[54] **METHOD FOR FORMULATING AEROSOL PRECURSOR FOR AEROSOL DELIVERY DEVICE**
[54] **PROCEDE DE FORMULATION DE PRECURSEUR D'AEROSOL POUR DISPOSITIF DE DISTRIBUTION D'AEROSOL**
[72] DULL, GARY M., US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2020-04-24
[86] 2018-10-23 (PCT/IB2018/058261)
[87] (WO2019/082081)
[30] US (15/792,120) 2017-10-24

[21] **3,080,265**
[13] A1
[51] **Int.Cl. C07K 7/64 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **BETA-HAIRPIN PEPTIDOMIMETICS**
[54] **PEPTIDOMIMETIQUES EN EPINGLE A CHEVEUX BETA**
[72] OBRECHT, DANIEL, CH
[72] LUTHER, ANATOL, DE
[72] BERNARDINI, FRANCESCA, FR
[72] DALE, GLENN E., CH
[72] DESJONQUERES, NICOLAS, FR
[72] BRABET, EMILE, FR
[72] UPERT, GREGORY, FR
[71] POLYPHOR AG, CH
[85] 2020-04-24
[86] 2018-11-12 (PCT/EP2018/025290)
[87] (WO2019/091601)
[30] EP (17020526.4) 2017-11-10

[21] **3,080,267**
[13] A1
[51] **Int.Cl. B65B 57/00 (2006.01) B65B 3/26 (2006.01) B65B 69/00 (2006.01) B65D 51/24 (2006.01)**
[25] EN
[54] **A SYSTEM FOR RECOGNIZING CONTAINERS TO BE FILLED WITH AND/OR EMPTIED OF A GIVEN TYPE OF PRODUCT**
[54] **SYSTEME DE RECONNAISSANCE DE RECIPIENTS A REMPLIR ET/OU A VIDER D'UN TYPE DONNE DE PRODUIT**
[72] VIALE, LUCA, IT
[72] GIOVANNINI, MARCO, LU
[71] GUALA CLOSURES S.P.A., IT
[85] 2020-04-24
[86] 2018-10-24 (PCT/IB2018/058301)
[87] (WO2019/087015)
[30] IT (102017000124236) 2017-10-31

[21] **3,080,268**
[13] A1
[51] **Int.Cl. H04R 17/00 (2006.01)**
[25] EN
[54] **SOUND TRANSDUCER ARRANGEMENT**
[54] **ENSEMBLE FORMANT TRANSDUCTEUR ACOUSTIQUE**
[72] RUSCONI CLERICI BELTRAMI, ANDREA, AT
[72] BOTTONI, FERRUCCIO, AT
[71] USOUND GMBH, AT
[85] 2020-04-24
[86] 2018-10-12 (PCT/EP2018/077821)
[87] (WO2019/081220)
[30] DE (10 2017 125 117.0) 2017-10-26

[21] **3,080,269**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **NETWORK OPERATION CENTER DASHBOARD FOR CLOUD-BASED WI-FI SYSTEMS**
[54] **TABLEAU DE BORD DE CENTRE D'EXPLOITATION DE RESEAU POUR SYSTEMES WI-FI EN NUAGE**
[72] RUSACKAS, EVAN, US
[72] MILLER, ROBERT, US
[72] LI, PATRICK, US
[72] HOTCHKISS, ADAM, US
[72] SINGLA, AMAN, US
[72] MCFARLAND, WILLIAM, US
[71] PLUME DESIGN, INC, US
[85] 2020-03-23
[86] 2018-10-10 (PCT/US2018/055263)
[87] (WO2019/075099)
[30] US (15/782,912) 2017-10-13

[21] **3,080,270**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODIES BINDING TO THE CD160 TRANSMEMBRANE ISOFORM**
[54] **ANTICORPS MONOCLONAUX SE LIANT A L'ISOFORME TRANSMEMBRANAIRE CD160**
[72] BENSUSSAN, ARMAND, FR
[72] ROBERT, BRUNO, FR
[72] MARTINEAU, PIERRE, FR
[72] CHENTOUF, MYRIAM, FR
[72] MARIE-CARDINE, ANNE, FR
[72] GUSTINIANI, JEROME, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE PARIS DIDEROT - PARIS 7, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] INSTITUT JEAN GODINOT, FR
[71] INSTITUT REGIONAL DU CANCER DE MONTPELLIER, FR
[85] 2020-04-23
[86] 2017-10-25 (PCT/EP2017/077261)
[87] (WO2018/077926)
[30] EP (16306392.8) 2016-10-25

[21] **3,080,272**
[13] A1
[51] **Int.Cl. G06Q 40/06 (2012.01) G06Q 20/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A GLOBAL PEER TO PEER RETIREMENT SAVINGS SYSTEM**
[54] **SYSTEME ET PROCEDE POUR SYSTEME D'EPARGNE-RETRAITE POSTE A POSTE GLOBAL**
[72] MCCLELLAND, DEAN, CN
[71] MCCLELLAND, DEAN, CN
[85] 2020-04-24
[86] 2018-10-31 (PCT/IB2018/001371)
[87] (WO2019/086956)
[30] US (62/579,197) 2017-10-31

[21] **3,080,274**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/0784 (2010.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **METHODS OF ISOLATING T CELLS HAVING ANTIGENIC SPECIFICITY FOR A P53 CANCER-SPECIFIC MUTATION**
[54] **PROCEDES D'ISOLEMENT DE CELLULES T AYANT UNE SPECIFICITE ANTIGENIQUE POUR UNE MUTATION SPECIFIQUE DU CANCER P53**
[72] MALEKZADEH, PARISA, US
[72] ROSENBERG, STEVEN A., US
[72] DENIGER, DREW C., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH & HUMAN SERVICES, US
[85] 2020-03-24
[86] 2018-09-17 (PCT/US2018/051280)
[87] (WO2019/067242)
[30] US (62/565,464) 2017-09-29

[21] **3,080,275**
[13] A1
[51] **Int.Cl. A23K 10/00 (2016.01) A23K 10/10 (2016.01) A23K 10/12 (2016.01)**
[25] EN
[54] **PROCEDURE FOR THE PRODUCTION OF A MULTIPLIER AND MODULATOR ADDITIVE OF THE RUMINAL MICROBIOTE**
[54] **PROCEDURE POUR LA PRODUCTION D'UN ADDITIF MULTIPLICATEUR ET MODULATEUR DU MICROBIOTE RUMINAL**
[72] PATERNO, MARCELO ALEJANDRO, AR
[71] BIOPREMIX TECHNOLOGIES LLC, US
[85] 2020-04-24
[86] 2018-09-17 (PCT/IB2018/057096)
[87] (WO2019/102279)
[30] UY (37492) 2017-11-23

[21] **3,080,276**
[13] A1
[51] **Int.Cl. C07D 401/04 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/56 (2006.01) A01N 43/58 (2006.01) A01N 43/653 (2006.01) A01N 43/707 (2006.01) A01N 43/76 (2006.01) A01N 43/824 (2006.01) A01N 43/90 (2006.01) A01P 13/00 (2006.01) C07D 213/73 (2006.01) C07D 213/76 (2006.01) C07D 413/04 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **HERBICIDAL PYRIDYLETHERS**
[54] **PYRIDYLETHERS EN TANT QU'HERBICIDES**
[72] JOHANNES, MANUEL, DE
[72] SOUILLART, LAETITIA, DE
[72] WITSCHEL, MATTHIAS, DE
[72] SEISER, TOBIAS, DE
[72] PARRA RAPADO, LILIANA, DE
[72] APONTE, RAPHAEL, DE
[72] MIETZNER, THOMAS, DE
[72] NEWTON, TREVOR WILLIAM, DE
[72] SEITZ, THOMAS, DE
[72] DOMBO, PETER, DE
[71] BASF SE, DE
[85] 2020-04-24
[86] 2018-11-07 (PCT/EP2018/080394)
[87] (WO2019/101513)
[30] EP (17203280.7) 2017-11-23
[30] EP (18169740.0) 2018-04-27

[21] **3,080,277**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 9/19 (2006.01) A61K 31/07 (2006.01) A61K 31/122 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61K 31/4188 (2006.01) A61K 31/4415 (2006.01) A61K 31/455 (2006.01) A61K 31/51 (2006.01) A61K 31/525 (2006.01) A61K 31/593 (2006.01) A61K 31/714 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **ALL-IN-ONE LYOPHILIZED MULTIVITAMIN EMULSION FOR PARENTERAL APPLICATION**
[54] **EMULSION MULTI-VITAMINE LYOPHILISEE TOUT-EN-UN POUR APPLICATION PARENTERALE**
[72] ASSEGEHEGN, GETACHEW, DE
[72] BRITO-DE LA FUENTE, EDMUNDO, DE
[72] GALLEGOS-MONTES, CRISPULO, DE
[72] QUINCHIA-BUSTAMANTE, LIDA A., DE
[71] FRESENUIS KABI DEUTSCHLAND GMBH, DE
[85] 2020-04-17
[86] 2018-10-22 (PCT/EP2018/078904)
[87] (WO2019/081435)
[30] EP (17198322.4) 2017-10-25

[21] **3,080,278**
[13] A1
[51] **Int.Cl. B23K 26/362 (2014.01)**
[25] EN
[54] **PROCESSING APPARATUS, PAINTING MATERIAL, PROCESSING METHOD, AND MANUFACTURING METHOD OF MOVABLE BODY**
[54] **DISPOSITIF DE TRAITEMENT, REVETEMENT, PROCEDE DE TRAITEMENT, ET PROCEDE DE PRODUCTION D'UN CORPS MOBILE**
[72] SHIRAISHI, MASAYUKI, JP
[72] EGAMI, SHIGEKI, JP
[72] TATSUZAKI, YOSUKE, JP
[72] SHIBAZAKI, YUICHI, JP
[71] NIKON CORPORATION, JP
[85] 2020-04-24
[86] 2017-10-25 (PCT/JP2017/038556)
[87] (WO2019/082309)

[21] **3,080,281**
[13] A1
[51] **Int.Cl. B23K 26/362 (2014.01)**
[25] EN
[54] **PROCESSING APPARATUS, AND MANUFACTURING METHOD OF MOVABLE BODY**
[54] **DISPOSITIF DE TRAITEMENT ET PROCEDE DE FABRICATION D'UN CORPS EN MOUVEMENT**
[72] SHIRAISH, MASAYUKI, JP
[72] EGAMI, SHIGEKI, JP
[72] KAWABE, YOSHIO, JP
[72] TATSUZAKI, YOSUKE, JP
[72] SHIBAZAKI, YUICHI, JP
[71] NIKON CORPORATION, JP
[85] 2020-04-24
[86] 2017-10-25 (PCT/JP2017/038557)
[87] (WO2019/082310)

[21] **3,080,282**
[13] A1
[51] **Int.Cl. B23K 26/04 (2014.01)**
[25] EN
[54] **PROCESSING APPARATUS, AND MANUFACTURING METHOD OF MOVABLE BODY**
[54] **DISPOSITIF DE TRAITEMENT ET PROCEDE DE FABRICATION D'UN CORPS MOBILE**
[72] SHIRAISHI, MASAYUKI, JP
[72] EGAMI, SHIGEKI, JP
[72] KAWABE, YOSHIO, JP
[72] TATSUZAKI, YOSUKE, JP
[72] SHIBAZAKI, YUICHI, JP
[71] NIKON CORPORATION, JP
[85] 2020-04-24
[86] 2017-10-25 (PCT/JP2017/038563)
[87] (WO2019/082313)

[21] **3,080,283**
[13] A1
[51] **Int.Cl. B23K 26/04 (2014.01)**
[25] EN
[54] **PROCESSING APPARATUS, PROCESSING SYSTEM, AND MANUFACTURING METHOD OF MOVABLE BODY**
[54] **DISPOSITIF DE TRAITEMENT, SYSTEME DE TRAITEMENT ET PROCEDE DE FABRICATION D'UN CORPS MOBILE**
[72] SHIRAISHI, MASAYUKI, JP
[72] EGAMI, SHIGEKI, JP
[72] KAWABE, YOSHIO, JP
[72] TATSUZAKI, YOSUKE, JP
[72] OGASAWARA, BAKU, JP
[71] NIKON CORPORATION, JP
[85] 2020-04-24
[86] 2017-10-25 (PCT/JP2017/038564)
[87] (WO2019/082314)

[21] **3,080,284**
[13] A1
[51] **Int.Cl. A61G 15/18 (2006.01)**
[25] EN
[54] **INSTRUMENT HOSE SUPPORT DEVICE AND DENTAL TREATMENT APPARATUS INCLUDING THE SAME**
[54] **DISPOSITIF DE SUPPORT DE TUYAU D'INSTRUMENT ET APPAREIL DE TRAITEMENT DENTAIRE POURVU DUDIT DISPOSITIF**
[72] TERAYAMA, HIROYUKI, JP
[72] NAKAJIMA, KOJI, JP
[71] TAKARA BELMONT CORPORATION, JP
[85] 2020-04-24
[86] 2017-11-17 (PCT/JP2017/041437)
[87] (WO2019/097665)

[21] **3,080,292**
[13] A1
[51] **Int.Cl. C07D 487/04 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/82 (2006.01) A01N 43/90 (2006.01) C07D 213/69 (2006.01) C07D 239/54 (2006.01) C07D 401/12 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **HERBICIDAL PHENYLETHERS**
[54] **PHENYLETHERS HERBICIDES**
[72] WITSCHEL, MATTHIAS, DE
[72] SOUILLART, LAETITIA, DE
[72] SEISER, TOBIAS, DE
[72] NEWTON, TREVOR WILLIAM, DE
[72] PARRA RAPADO, LILIANA, DE
[72] MASSA, DARIO, DE
[72] APONTE, RAPHAEL, US
[72] MIETZNER, THOMAS, DE
[72] SEITZ, THOMAS, DE
[71] BASF SE, DE
[85] 2020-04-24
[86] 2018-11-12 (PCT/EP2018/080856)
[87] (WO2019/101551)
[30] EP (17203283.1) 2017-11-23

[21] **3,080,293**
[13] A1
[51] **Int.Cl. B01D 17/02 (2006.01) B01D 19/00 (2006.01) B01D 21/00 (2006.01) B01D 21/24 (2006.01)**
[25] EN
[54] **MULTIPHASE SEPARATOR WITH FLUSHING SYSTEM FOR REMOVING ACCUMULTED SAND, AND METHOD USING THE SEPARATOR**
[54] **SEPARATEUR MULTIPHASE DOTE D'UN SYSTEME DE RINCAGE POUR ELIMINER LE SABLE ACCUMULE, ET PROCEDE UTILISANT LE SEPARATEUR**
[72] SOARES DA SILVA, FABRICIO, BR
[72] SAMPAIO MONTEIRO, ANDRE, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
[85] 2020-04-24
[86] 2018-10-26 (PCT/GB2018/053111)
[87] (WO2019/081949)
[30] BR (102017023118-6) 2017-10-26

[21] **3,080,294**
[13] A1
[51] **Int.Cl. A01K 79/00 (2006.01) A01K 75/02 (2006.01) A01K 79/02 (2006.01)**
[25] EN
[54] **IMPROVED UNDERWATER HARVESTING SYSTEM**
[54] **SYSTEME AMELIORE DE RECOLTE SOUS-MARINE**
[72] TOFTEN, RICHARD JOHAN, NO
[72] MORANA, HANS CHRISTIAN, NO
[72] KOBBELTVEDT, ROLF, NO
[71] NORWEGIAN INNOVATION TECHNOLOGY GROUP AS, NO
[85] 2020-04-24
[86] 2018-11-22 (PCT/EP2018/082154)
[87] (WO2019/101830)
[30] NO (20171870) 2017-11-22
[30] EP (18152728.4) 2018-01-22
[30] EP (18172075.6) 2018-05-14

[21] **3,080,295**
[13] A1
[51] **Int.Cl. B02C 19/00 (2006.01) B02C 18/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR COMMINUTING OF MATERIAL**
[54] **APPAREIL ET PROCEDE DE BROYAGE DE MATERIAU**
[72] KUOPANPORTTI, HANNU, FI
[72] HYNYNEN, ILKKA, FI
[71] TUTKIMUSPALVELUT KUOPANPORTTI KY, FI
[85] 2020-04-24
[86] 2017-10-27 (PCT/FI2017/050743)
[87] (WO2018/078221)
[30] FI (20165813) 2016-10-27

[21] **3,080,299**
[13] A1
[51] **Int.Cl. A61K 35/26 (2015.01) C12N 15/65 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **VECTORS**
[54] **VECTEURS**
[72] THOMAS, SIMON, GB
[72] ONUOHA, SHIMOBI, GB
[72] CORDOBA, SHAUN, GB
[71] AUTOLUS LIMITED, GB
[85] 2020-04-24
[86] 2018-10-31 (PCT/GB2018/053149)
[87] (WO2019/086865)
[30] GB (1718088.6) 2017-11-01

[21] **3,080,301**
[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01) H04W 12/02 (2009.01) G06Q 10/08 (2012.01) G06Q 20/02 (2012.01) G06Q 20/38 (2012.01) G06F 21/64 (2013.01) H04L 9/32 (2006.01)**
[25] EN
[54] **ANONYMITY SYSTEM FOR GOODS DELIVERY**
[54] **SYSTEME D'ANONYMAT POUR LIVRAISON DE MARCHANDISES**
[72] BITAULD, DAVID, GB
[72] LI, HONGWEI, GB
[72] MARTIN-LOPEZ, ENRIQUE, GB
[72] PALYUTINA, KARINA, GB
[72] ROENNOW, TROELS F., GB
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2020-04-24
[86] 2018-10-26 (PCT/FI2018/050778)
[87] (WO2019/081816)
[30] EP (17198832.2) 2017-10-27

[21] **3,080,302**
[13] A1
[51] **Int.Cl. B23K 26/142 (2014.01)**
[25] EN
[54] **PROCESSING APPARATUS, AND MANUFACTURING METHOD OF MOVABLE BODY**
[54] **DISPOSITIF D'USINAGE ET PROCEDE DE FABRICATION DE CORPS MOBILE**
[72] SHIRAISHI, MASAYUKI, JP
[72] TATSUZAKI, YOSUKE, JP
[71] NIKON CORPORATION, JP
[85] 2020-04-24
[86] 2018-10-25 (PCT/JP2018/039688)
[87] (WO2019/082972)
[30] JP (PCT/JP2017/038559) 2017-10-25

[21] **3,080,305**
[13] A1
[51] **Int.Cl. A61G 15/18 (2006.01) F16F 1/12 (2006.01)**
[25] EN
[54] **MOVING DEVICE FOR ROD PART SUPPORTING INSTRUMENT HOSE AND DENTAL EXAMINATION-AND-TREATMENT APPARATUS INCLUDING MOVING DEVICE FOR ROD PART SUPPORTING INSTRUMENT HOSE**
[54] **DISPOSITIF MOBILE POUR UNE PARTIE TIGE SUPPORTANT UN TUYAU D'INSTRUMENT, ET DISPOSITIF DE SOINS DENTAIRES COMPRENANT LEDIT DISPOSITIF MOBILE POUR UNE PARTIE TIGE SUPPORTANT UN TUYAU D'INSTRUMENT**
[72] NAKAJIMA, KOJI, JP
[72] TERAYAMA, HIROYUKI, JP
[71] TAKARA BELMONT CORPORATION, JP
[85] 2020-04-24
[86] 2017-11-17 (PCT/JP2017/041438)
[87] (WO2019/097666)

[21] **3,080,306**
[13] A1
[51] **Int.Cl. C07C 273/04 (2006.01) B01D 5/00 (2006.01) B01D 19/00 (2006.01) C07C 273/14 (2006.01) F28D 7/06 (2006.01) F28F 9/02 (2006.01) F28F 21/08 (2006.01)**
[25] EN
[54] **HIGH PRESSURE CARBAMATE CONDENSER**
[54] **CONDENSEUR DE CARBAMATE A HAUTE PRESSION**
[72] POPA, DORIN, NL
[71] STAMICARBON B.V., NL
[85] 2020-04-24
[86] 2018-10-26 (PCT/NL2018/050711)
[87] (WO2019/083367)
[30] EP (17198990.8) 2017-10-27

[21] **3,080,307**
[13] A1
[51] **Int.Cl. H04N 19/70 (2014.01) H04N 21/2343 (2011.01) H04N 19/172 (2014.01) H04N 19/31 (2014.01) H04N 19/587 (2014.01) H04N 19/85 (2014.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE RECEPTION**
[72] TSUKAGOSHI, IKUO, JP
[71] SONY CORPORATION, JP
[85] 2020-04-24
[86] 2018-10-17 (PCT/JP2018/038743)
[87] (WO2019/087789)
[30] JP (2017-213285) 2017-11-02

[21] **3,080,311**
[13] A1
[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR STEEL PIPE**
[54] **RACCORD FILETE POUR TUYAUX EN ACIER**
[72] INOSE, KEITA, JP
[72] SUGINO, MASAAKI, JP
[72] NAKANO, HIKARI, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2020-04-24
[86] 2018-10-26 (PCT/JP2018/039964)
[87] (WO2019/093163)
[30] JP (2017-216689) 2017-11-09

[21] **3,080,313**
[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) C22C 38/38 (2006.01) C21D 8/00 (2006.01)**
[25] EN
[54] **HOT FORGED STEEL MATERIAL**
[54] **MATERIAU EN ACIER FORGE A CHAUD**
[72] SUEYASU, YOKO, JP
[72] TAHIRA, HIROAKI, JP
[72] YOSHINO, KEN, JP
[72] NISHIHARA, KISON, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-24
[86] 2018-10-31 (PCT/JP2018/040570)
[87] (WO2019/088190)
[30] JP (2017-209869) 2017-10-31

[21] **3,080,314**
[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING AND RECEIVING DATA IN WIRELESS COMMUNICATION SYSTEM AND AN APPARATUS THEREFOR**
[54] **PROCEDE DE TRANSMISSION/RECEPTION DE DONNEES DANS UN SYSTEME DE COMMUNICATION SANS FIL, ET APPAREIL CORRESPONDANT**
[72] GO, SEONGWON, KR
[72] KIM, HYUNGTAE, KR
[72] KANG, JIWON, KR
[71] LG ELECTRONICS INC., KR
[71] LG ELECTRONICS INC., KR
[85] 2020-04-24
[86] 2018-11-09 (PCT/KR2018/013644)
[87] (WO2019/093823)
[30] US (62/584,106) 2017-11-09
[30] US (62/585,532) 2017-11-13
[30] US (62/587,505) 2017-11-17
[30] US (62/590,393) 2017-11-24

[21] **3,080,315**
[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) B23K 35/30 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **AUSTENITIC HEAT-RESISTANT STEEL WELD METAL, WELDED JOINT, WELDING MATERIAL FOR AUSTENITIC HEAT-RESISTANT STEEL, AND METHOD OF MANUFACTURING WELDED JOINT**
[54] **METAL DE SOUDAGE EN ACIER AUSTENITIQUE RESISTANT A LA CHALEUR, JOINT SOUDE, MATERIAU DE SOUDAGE POUR ACIER AUSTENITIQUE RESISTANT A LA CHALEUR, ET PROCEDE DE PRODUCTION DE JOINT SOUDE**
[72] KURIHARA, SHINNOSUKE, JP
[72] HIRATA, HIROYUKI, JP
[72] SEMBA, HIROYUKI, JP
[72] JOTOKU, KANA, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-04-24
[86] 2018-11-01 (PCT/JP2018/040656)
[87] (WO2019/098034)
[30] JP (2017-219656) 2017-11-15
[30] JP (2017-219657) 2017-11-15

[21] **3,080,316**
[13] A1
[51] **Int.Cl. E04F 13/07 (2006.01) B32B 27/00 (2006.01)**
[25] EN
[54] **REPAIR SEAL, METHOD FOR MANUFACTURING REPAIR SEAL, AND REPAIR STRUCTURE**
[54] **JOINT D'ETANCHEITE DE REPARATION, PROCEDE DE PRODUCTION POUR REPARER UN JOINT D'ETANCHEITE, ET STRUCTURE DE REPARATION**
[72] YAMAMOTO, HIROAKI, JP
[71] NICHIHA CORPORATION, JP
[85] 2020-04-24
[86] 2018-11-14 (PCT/JP2018/042191)
[87] (WO2019/098251)
[30] JP (2017-218715) 2017-11-14

[21] **3,080,317**
[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 43/26 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **SMART FRACTURING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FRACTURATION INTELLIGENTE**
[72] OEHRING, JARED, US
[72] CHRISTINZIO, ALEXANDER JAMES, US
[72] HINDERLITER, BRANDON N., US
[71] U.S. WELL SERVICES, LLC, US
[85] 2020-04-24
[86] 2018-10-25 (PCT/US2018/057539)
[87] (WO2019/084283)
[30] US (62/577,056) 2017-10-25

[21] **3,080,318**
[13] A1
[51] **Int.Cl. G06N 10/00 (2019.01) B82Y 10/00 (2011.01)**
[25] EN
[54] **QUANTUM ANNEALING WITH OSCILLATING FIELDS**
[54] **RECUIT QUANTIQUE AVEC CHAMPS OSCILLANTS**
[72] KAPIT, ELIOT, US
[71] THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND, US
[85] 2020-04-24
[86] 2018-10-25 (PCT/US2018/057543)
[87] (WO2019/084286)
[30] US (62/576,959) 2017-10-25

[21] **3,080,319**
[13] A1
[51] **Int.Cl. F26B 3/12 (2006.01) F26B 21/00 (2006.01)**
[25] EN
[54] **SPRAY DRYER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SECHEUR PAR PULVERISATION**
[72] SZCZAP, JOSEPH P., US
[72] THENIN, MICHEL R., US
[72] MIGCHELBRINK, JOEL R., US
[71] SPRAYING SYSTEMS CO., US
[85] 2020-04-24
[86] 2018-10-25 (PCT/US2018/057552)
[87] (WO2019/084294)
[30] US (62/578,009) 2017-10-27
[30] US (62/658,295) 2018-04-16
[30] US (16/169,718) 2018-10-24

[21] **3,080,320**
[13] A1
[51] **Int.Cl. G01N 27/414 (2006.01) B82Y 15/00 (2011.01)**
[25] EN
[54] **PULSE-DRIVEN CAPACITIVE DETECTION FOR FIELD-EFFECT TRANSISTORS**
[54] **DETECTION CAPACITIVE COMMANDEE PAR IMPULSIONS DESTINEE A DES TRANSISTORS A EFFET DE CHAMP**
[72] CHEN, JUNHONG, US
[72] MAITY, ARNAB, US
[72] SUI, XIAOYU, US
[71] UWM RESEARCH FOUNDATION, INC., US
[85] 2020-04-24
[86] 2018-10-26 (PCT/US2018/057717)
[87] (WO2019/084408)
[30] IN (201721038194) 2017-10-27

[21] **3,080,321**
[13] A1
[51] **Int.Cl. H01B 3/46 (2006.01) C09D 183/04 (2006.01) H05K 3/28 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING NON-NEWTONIAN FLUIDS FOR HYDROPHOBIC, OLEOPHOBIC, AND OLEOPHILIC COATINGS, AND METHODS OF USING THE SAME**
[54] **COMPOSITION COMPRENANT DES FLUIDES NON NEWTONIENS POUR DES REVETEMENTS HYDROPHOBES, OLEOPHOBES ET OLEOPHILES, ET LEURS PROCEDES D'UTILISATION**
[72] AHMAD, SYED TAYMUR, US
[72] KLEINGARTNER, JUSTIN, US
[72] BALASUBRAMANIAN, SRUTI, US
[71] AHMAD, SYED TAYMUR, US
[71] KLEINGARTNER, JUSTIN, US
[71] BALASUBRAMANIAN, SRUTI, US
[85] 2020-04-24
[86] 2018-10-26 (PCT/US2018/057741)
[87] (WO2019/084423)
[30] US (62/577,471) 2017-10-26

[21] **3,080,322**
[13] A1
[51] **Int.Cl. C07K 14/74 (2006.01) G01N 33/50 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING A MHC MULTIMER**
[54] **PROCEDES DE PRODUCTION D'UN MULTIMERE DE CMH**
[72] NEEFJES, JACQUES JACOBUS, NL
[72] OVAA, HUIB, NL
[72] GARSTKA, MALGORZATA ANNA, NL
[72] LUIMSTRA, JOLIEN JOHANNA, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[85] 2020-04-24
[86] 2018-10-26 (PCT/NL2018/050714)
[87] (WO2019/083370)
[30] NL (2019814) 2017-10-26

[21] **3,080,324**
[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **CRYSTALLINE SALTS OF A B-RAF KINASE INHIBITOR**
[54] **SELS ET FORMES CRISTALLINES D'INHIBITEUR DE LA KINASE B-RAF**
[72] WERTHMANN, ULRIKE, DE
[72] MAIER, GERD-MICHAEL, DE
[72] BETZEMEIER, BODO, DE
[72] SCHAAF, OTMAR, DE
[71] XYNOMIC PHARMACEUTICALS, INC., US
[85] 2020-04-24
[86] 2018-10-26 (PCT/US2018/057792)
[87] (WO2019/084459)
[30] US (62/577,313) 2017-10-26

[21] **3,080,325**
[13] A1
[51] **Int.Cl. A61F 6/08 (2006.01) A61B 5/00 (2006.01) A61B 5/0488 (2006.01) A61B 5/11 (2006.01) A61B 5/145 (2006.01) A61B 5/22 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR TRAINING PELVIC FLOOR MUSCLES**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ENTRAINEMENT DES MUSCLES DU PLANCHER PELVIEN**
[72] BEER, MARC D., US
[72] IGLESIAS, RAMON JOSE, US
[72] LORIE, YOLANDA, US
[71] RENOVIA INC., US
[85] 2020-04-24
[86] 2018-10-26 (PCT/US2018/057811)
[87] (WO2019/084469)
[30] US (62/577,811) 2017-10-27
[30] US (62/625,301) 2018-02-01

[21] **3,080,327**
[13] A1
[51] **Int.Cl. A01J 5/08 (2006.01)**
[25] EN
[54] **A CONNECTOR FOR A TEATCUP TO BE ATTACHED TO THE TEAT OF AN ANIMAL TO BE MILKED, AND A TEATCUP**
[54] **RACCORD POUR GOBELET TRAYEUR DESTINE A ETRE FIXE A LA MAMELLE D'UN ANIMAL A TRAIRE, ET GOBELET TRAYEUR**
[72] ANDERSSON, ANNA, SE
[71] DELAVAL HOLDING AB, SE
[85] 2020-04-24
[86] 2018-10-23 (PCT/SE2018/051081)
[87] (WO2019/083434)
[30] SE (1751323-5) 2017-10-26

[21] **3,080,329**
[13] A1
[51] **Int.Cl. B60K 17/16 (2006.01) B60K 17/346 (2006.01) F16H 37/06 (2006.01)**
[25] EN
[54] **INVERTIBLE REVERSIBLE MULTI-APPLICATION GEARBOX**
[54] **BOITE DE VITESSES MULTI-APPLICATION REVERSIBLE INVERSIBLE**
[72] TIRAMANI, PAOLO, US
[72] DENMAN, KYLE, US
[71] 500 GROUP, INC., US
[85] 2020-04-24
[86] 2018-10-24 (PCT/US2018/057216)
[87] (WO2019/084089)
[30] US (62/577,423) 2017-10-26
[30] US (62/577,965) 2017-10-27
[30] US (62/616,601) 2018-01-12
[30] US (62/735,966) 2018-09-25

[21] **3,080,332**
[13] A1
[51] **Int.Cl. F01N 3/04 (2006.01) F01N 13/00 (2010.01) F01N 13/10 (2010.01) F02F 1/42 (2006.01)**
[25] EN
[54] **DUAL-ANGLE EXHAUST MANIFOLD**
[54] **COLLECTEUR D'ECHAPPEMENT A ANGLE DOUBLE**
[72] TIRAMANI, PAOLO, US
[72] DENMAN, KYLE, US
[71] 500 GROUP, INC., US
[85] 2020-04-24
[86] 2018-10-24 (PCT/US2018/057218)
[87] (WO2019/084091)
[30] US (62/577,423) 2017-10-26
[30] US (62/577,965) 2017-10-27
[30] US (62/598,045) 2017-12-13
[30] US (62/616,601) 2018-01-12
[30] US (62/678,460) 2018-05-31
[30] US (62/697,072) 2018-07-12

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,060,288**
[13] A1
[51] **Int.Cl. H05K 3/30 (2006.01) B64F 5/10 (2017.01) B64C 1/12 (2006.01) H05K 3/12 (2006.01) H05K 3/28 (2006.01) B32B 27/04 (2006.01)**
[25] EN
[54] **ESTABLISHING ELECTRONICS IN COMPOSITE PARTS BY LOCATING ELECTRONICS ON LAY-UP MANDRELS**
[54]
[72] FAY, MATTHEW K., US
[72] HUMFELD, KEITH D., US
[71] THE BOEING COMPANY, US
[22] 2019-10-25
[41] 2020-05-08
[30] US (16/184146) 2018-11-08

---

[21] **3,060,450**
[13] A1
[51] **Int.Cl. B64C 3/18 (2006.01) B64F 5/10 (2017.01) B64C 3/26 (2006.01)**
[25] EN
[54] **SHEAR TIES FOR AIRCRAFT WING**
[54]
[72] LINTON, KIM A., US
[72] BARAJA, JAIME E., US
[72] WU, HSI-YUNG T., US
[71] THE BOEING COMPANY, US
[22] 2019-10-28
[41] 2020-05-19
[30] US (16/195,310) 2018-11-19

---

[21] **3,078,334**
[13] A1
[25] EN
[54] **BLISTER PACKAGE FOR PHARMACEUTICAL CARTRIDGES**
[54]
[72] BERGEY, MICHAEL S., US
[71] MANNKIND CORPORATION, US
[22] 2012-03-30
[41] 2012-10-04
[62] 2,831,947
[30] US (61/470,982) 2011-04-01

---

[21] **3,079,162**
[13] A1
[51] **Int.Cl. A61M 39/10 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **SINGLE-USE DISPOSABLE SET CONNECTOR**
[54] **CONNECTEUR POUR DISPOSITIF JETABLE A USAGE UNIQUE**
[72] SOKOLOV, RICHARD, AU
[72] CULLEN, BENJAMIN JAMES, AU
[72] NORCOTT, ALISON RUTH, AU
[72] HUESO MONIS, ERNESTO, AU
[72] LAW, KAMMAN, AU
[72] PROFACA, MARK SILVIO, AU
[72] HAURY, JOHN A., US
[72] SWANTNER, MICHAEL, US
[71] BAYER HEALTHCARE LLC, US
[22] 2015-01-09
[41] 2015-07-16
[62] 2,936,234
[30] US (61/925,940) 2014-01-10

---

[21] **3,079,186**
[13] A1
[51] **Int.Cl. H04W 4/021 (2018.01) G06Q 10/08 (2012.01) G06Q 50/10 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **NETWORK SYSTEM WITH SCHEDULED BREAKS**
[54] **SYSTEME DE RESEAU A INTERRUPTIONS PROGRAMMEES**
[72] DAVIES, BRETT, US
[72] LI, YULUN, US
[72] HUANG, MENG, US
[72] ZHOU, ZHEWU, US
[71] UBER TECHNOLOGIES, INC., US
[22] 2018-05-18
[41] 2018-11-22
[62] 3,063,944
[30] US (15/600,361) 2017-05-19
[30] US (15/602,540) 2017-05-23
[30] US (15/918,171) 2018-03-12
[30] US (15/918,206) 2018-03-12

---

[21] **3,079,436**
[13] A1
[25] EN
[54] **HIGH FRACTURE TOUGHNESS CERAMIC SUPPORT NUT PLATE AND GANG CHANNEL**
[54]
[72] DICHIARA, ROBERT A., US
[71] THE BOEING COMPANY, US
[22] 2016-07-05
[41] 2017-04-21
[62] 2,935,184
[30] US (14/918899) 2015-10-21

---

[21] **3,079,446**
[13] A1
[25] EN
[54] **SKIRT FOR FORMING AN ACCESS HATCH IN CONCRETE**
[54] **JUPE POUR FORMER UNE TRAPPE D'ACCES DANS DU BETON**
[72] MCKERNAN, TIMOTHY J., US
[71] EJ USA, INC., US
[22] 2016-05-27
[41] 2017-11-30
[62] 3,025,489

[21] **3,079,454**
[13] A1
[51] **Int.Cl. H02G 1/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING TEMPORARY SUPPORT AND A MEANS FOR RELOCATING ENERGIZED ELECTRICAL CONDUCTORS**
[54] **PROCEDE ET APPAREIL DESTINES A FOURNIR UN SOUTIEN TEMPORAIRE ET MOYEN DE REPOSITIONNEMENT DE CONDUCTEURS ELECTRIQUES SOUS TENSION**
[72] WABNEGGER, DAVID, CA
[71] QUANTA ASSOCIATES, L.P., US
[22] 2011-07-21
[41] 2012-01-26
[62] 2,805,678
[30] CA (2,710,631) 2010-07-21
[30] US (61/344,432) 2010-07-21

---

[21] **3,079,461**
[13] A1
[51] **Int.Cl. C02F 1/44 (2006.01) B01D 63/08 (2006.01) C02F 1/52 (2006.01) C02F 3/06 (2006.01)**
[25] EN
[54] **FILM SEPARATION DEVICE, STRUCTURE FOR ARRANGING FILM ELEMENT, AND FILM CASSETTE AND FILM UNIT**
[54] **DISPOSITIF DE SEPARATION DE FILM, STRUCTURE DE MISE EN PLACE D'UN ELEMENT DE FILM, ET CASSETTE DE FILM ET UNITE DE FILM**
[72] NARITA, TAICHI, JP
[72] ISHIMOTO, SHIGEO, JP
[71] MEIDENSHA CORPORATION, JP
[22] 2017-04-28
[41] 2017-12-07
[62] 3,026,022
[30] JP (2016-108645) 2016-05-31
[30] JP (2016-183565) 2016-09-21

---

[21] **3,079,566**
[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 90/98 (2016.01) A61B 17/16 (2006.01)**
[25] EN
[54] **POWERED SURGICAL HANDPIECE HAVING A SURGICAL TOOL WITH AN RFID TAG**
[54]
[72] GLADSTONE, SAMUEL, US
[71] MEDTRONIC XOMED, INC., US
[22] 2015-03-27
[41] 2015-10-01
[62] 2,942,372
[30] US (14/227,765) 2014-03-27

---

[21] **3,079,569**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A23P 10/30 (2016.01) A61K 8/02 (2006.01) A61K 8/11 (2006.01) A61K 9/50 (2006.01) B01J 13/02 (2006.01)**
[25] EN
[54] **MICROENCAPSULATED DELIVERY SYSTEM**
[54]
[72] CELESTE, SALVATORE, US
[71] INTERNATIONAL FLAVORS & FRAGRANCES INC., US
[22] 2009-04-15
[41] 2009-11-19
[62] 2,979,190
[30] US (12/121,809) 2008-05-16

---

[21] **3,079,579**
[13] A1
[25] EN
[54] **EXTENDED USE MEDICAL DEVICE**
[54]
[72] SEARLE, GARY, US
[72] KNAPP, KEITH, US
[72] TUNKEL, ROMAN, US
[72] SKUTNIK, PETER, US
[72] VEDRINE, LIONEL, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2010-09-01
[41] 2011-03-10
[62] 2,772,496
[30] US (12/585,061) 2009-09-02

---

[21] **3,079,584**
[13] A1
[51] **Int.Cl. C04B 35/657 (2006.01) A61C 5/73 (2017.01) A61C 5/77 (2017.01) A61K 6/78 (2020.01) A61K 6/802 (2020.01) A61K 6/807 (2020.01) A61K 6/818 (2020.01) A61K 6/822 (2020.01) A61K 6/824 (2020.01) A61C 13/00 (2006.01) A61C 13/083 (2006.01) A61C 13/09 (2006.01) B28B 13/02 (2006.01) B28B 17/00 (2006.01) B28B 19/00 (2006.01) C04B 35/03 (2006.01) C04B 35/505 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A BLANK, BLANK AND DENTAL RESTORATION**
[54] **PROCEDE DE PRODUCTION D'UNE EBAUCHE, EBAUCHE ET RESTAURATION DENTAIRE**
[72] VOLKL, LOTHAR, DE
[72] FECHER, STEFAN, DE
[72] KUTZNER, MARTIN, DE
[72] OEFNER, TANJA, DE
[71] DENTSPLY SIRONA INC., US
[71] DEGUDENT GMBH, DE
[22] 2016-12-23
[41] 2017-07-06
[62] 3,007,607
[30] DE (10 2015 122 861.0) 2015-12-28

---

[21] **3,079,595**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 3/08 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) C07K 14/72 (2006.01)**
[25] EN
[54] **HUMAN ANTIBODIES TO THE GLUCAGON RECEPTOR**
[54]
[72] OKAMOTO, HARUKA, US
[72] SLEEMAN, MARK, AU
[72] HARP, JOYCE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[22] 2011-11-22
[41] 2012-05-31
[62] 2,818,426
[30] US (61/416,409) 2010-11-23
[30] US (61/481,958) 2011-05-03
[30] US (61/551,032) 2011-10-25

[21] **3,079,598**
[13] A1
[25] EN
[54] **PROTECTIVE POLE CAP**
[54] **CAPUCHON DE POTEAU DE PROTECTION**
[72] HERDMAN, DOUGLAS JOSEPH, US
[72] MARQUARDT, RANDY CARL, US
[72] SMITH, DAVID GORDON, US
[71] OSMOSE UTILITIES SERVICES, INC., US
[22] 2018-02-27
[41] 2018-09-07
[62] 3,035,085
[30] US (15/444,401) 2017-02-28

[21] **3,079,646**
[13] A1
[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/44 (2014.01) H04N 19/573 (2014.01)**
[25] EN
[54] **PREDICTIVE ENCODING METHOD, PREDICTIVE ENCODING DEVICE, AND PREDICTIVE ENCODING PROGRAM OF MOTION VECTOR, AND, PREDICTIVE DECODING METHOD, PREDICTIVE DECODING DEVICE, AND PREDICTIVE DECODING PROGRAM OF MOTION VECTOR**
[54] **PROCEDE DE CODAGE DE PREDICTION, DISPOSITIF DE CODAGE DE PREDICTION ET PROGRAMME DE CODAGE DE PREDICTION, AINSI QUE PROCEDE DE DECODAGE DE PREDICTION, DISPOSITIF DE DECODAGE DE PREDICTION ET PROGRAMME DE DECODAGE DE PREDICTION POUR VECTEUR DE MOUVEMENT**
[72] BOON, CHOONG SENG, JP
[72] SUZUKI, YOSHINORI, JP
[72] FUJIBAYASHI, AKIRA, JP
[71] NTT DOCOMO, INC., JP
[22] 2011-12-20
[41] 2012-07-12
[62] 2,933,341
[30] JP (2011-002205) 2011-01-07

[21] **3,079,690**
[13] A1
[51] **Int.Cl. H04H 20/72 (2009.01) H04N 21/44 (2011.01) H04L 12/955 (2013.01) H04J 11/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR RECEIVING BROADCAST SIGNAL, AND METHOD AND APPARATUS FOR TRANSMITTING BROADCAST SIGNAL**
[54] **PROCEDE ET APPAREIL DE RECEPTION ET D'EMISSION DE SIGNAL DE DIFFUSION**
[72] HONG, SUNGRYONG, KR
[72] HWANG, JAEHO, KR
[72] KO, WOOSUK, KR
[71] LG ELECTRONICS INC., KR
[22] 2015-03-05
[41] 2016-05-12
[62] 2,966,980
[30] US (62/075,898) 2014-11-06
[30] US (62/080,382) 2014-11-16

[21] **3,079,706**
[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **EJECTOR FOR AN AEROSOL-GENERATING DEVICE**
[54] **EXTRACTEUR POUR UN DISPOSITIF DE GENERATION D'AEROSOL**
[72] PLOJOUX, JULIEN, CH
[72] GREIM, OLIVIER, CH
[72] RUSCIO, DANI, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[22] 2012-11-20
[41] 2013-05-30
[62] 2,856,321
[30] EP (11250907.0) 2011-11-21
[30] EP (12155245.9) 2012-02-13

[21] **3,079,711**
[13] A1
[51] **Int.Cl. A61M 1/36 (2006.01) A61M 1/16 (2006.01) A61M 1/34 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **MODULAR BLOOD TREATMENT SYSTEMS, UNITS, AND METHODS**
[54] **SYSTEMES, UNITES ET PROCEDES DE TRAITEMENT DE SANG MODULAIRES**
[72] DOYLE, MATTHEW, US
[72] HALLIBURTON, DONOVAN, US
[72] HOFFSTETTER, ERIC, US
[72] TANENBAUM, LEE, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[22] 2016-12-21
[41] 2017-06-29
[62] 3,005,262
[30] US (62/270,136) 2015-12-21

[21] **3,079,714**
[13] A1
[25] EN
[54] **DEVICE AND METHOD FOR FOOD MANAGEMENT**
[54] **DISPOSITIF ET PROCEDE DE GESTION DES ALIMENTS**
[72] KAMEN, DEAN, US
[71] DEKA PRODUCTS LIMITED PARNERSHIP, US
[22] 2008-01-15
[41] 2008-07-24
[62] 2,678,109
[30] US (60/880,577) 2007-01-15

[21] **3,079,718**
[13] A1
[51] **Int.Cl. B62D 55/08 (2006.01) B62D 55/07 (2006.01) B62D 55/104 (2006.01)**
[25] EN
[54] **SNOWMOBILE**
[54] **MOTONEIGE**
[72] HEDLUND, MICHAEL A., US
[72] PRUSAK, MATTHEW J., US
[72] FUGLEBERG, MICHAEL L., US
[72] EATON, JEFFREY A., US
[71] POLARIS INDUSTRIES INC., US
[22] 2013-02-08
[41] 2013-08-15
[62] 2,863,952
[30] US (61/597,104) 2012-02-09

[21] **3,079,719**
[13] A1
[51] **Int.Cl. A61K 35/14 (2015.01) C12N 5/078 (2010.01)**
[25] EN
[54] **METHOD OF IN VITRO FERTILIZATION WITH DELAY OF EMBRYO TRANSFER AND USE OF PERIPHERAL BLOOD MONONUCLEAR CELLS**
[54] **METHODE DE FECONDATION IN VITRO AVEC DELAI DU TRANSFERT D'EMBRYON ET UTILISATION DE CELLULES MONONUCLEAIRES DU SANG PERIPHERIQUE**
[72] FESKOV, ALEXANDER, UA
[72] FESKOVA, IRINA, UA
[72] ZHYLKOVA, IEVGENIIA, UA
[72] ZHILKOV, STANISLAV, UA
[71] MEZADATA MEDICAL IP HOLDING LLC, US
[22] 2012-11-21
[41] 2013-05-30
[62] 2,856,860
[30] US (61/629,651) 2011-11-23
[30] US (13/655,257) 2012-10-18

---

[21] **3,079,721**
[13] A1
[51] **Int.Cl. A01D 45/02 (2006.01) A01D 34/42 (2006.01) A01D 34/44 (2006.01)**
[25] EN
[54] **STALK ROLL**
[54] **ROULEAU DE RECOLTE DE TIGES**
[72] CALMER, MARION, US
[71] CALMER, MARION, US
[22] 2014-03-12
[41] 2014-10-09
[62] 2,905,792
[30] US (61/778,118) 2013-03-12

---

[21] **3,079,726**
[13] A1
[25] EN
[54] **STALK ROLL**
[54] **ROULEAU DE RECOLTE DE TIGES**
[72] CALMER, MARION, US
[71] CALMER, MARION, US
[22] 2014-03-12
[41] 2014-10-09
[62] 2,905,792
[30] US (61/778,118) 2013-03-12

---

[21] **3,079,733**
[13] A1
[25] EN
[54] **ACCOUNT DATA MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE DONNEES DE COMPTE**
[72] ISHIDA, YUZO, JP
[72] YOSHIDA, HIROO, JP
[72] SOGA, MASAKI, JP
[72] MURAKAMI, SHUNSUKE, JP
[72] NEGISHI, MASAKUNI, JP
[71] 10353744 CANADA LTD., CA
[22] 2015-03-30
[41] 2016-10-06
[62] 3,018,822

---

[21] **3,079,734**
[13] A1
[51] **Int.Cl. A61C 7/28 (2006.01) A61C 7/14 (2006.01) A61C 7/20 (2006.01) A61C 7/30 (2006.01)**
[25] EN
[54] **SELF-LIGATING ORTHODONTIC BRACKETS**
[54] **BOITIERS ORTHODONTIQUES A AUTO-LIGATURE**
[72] FALCONE, MATTHEW JAMES, US
[72] VERMA, NEIL, US
[72] KRISHNAMOORTHY, SIVARAMAKRISHNAN, US
[72] RUAN, TIEMING, US
[72] NG, CALVIN, US
[72] ZDURNE, DAVID A., US
[71] DENTSPLY INTERNATIONAL INC., US
[22] 2013-10-09
[41] 2014-04-17
[62] 2,887,510
[30] US (61/711,381) 2012-10-09
[30] US (61/768,317) 2013-02-22

---

[21] **3,079,743**
[13] A1
[51] **Int.Cl. H04W 4/12 (2009.01) H04W 4/021 (2018.01)**
[25] EN
[54] **BEACON BASED CAMPAIGN MANAGEMENT**
[54] **GESTION DE CAMPAGNE BASEE SUR UNE BALISE**
[72] MURTHY, GANAPA SANSHIDHARA, US
[71] KELLOGG COMPANY, US
[22] 2016-04-25
[41] 2016-11-03
[62] 2,983,450
[30] US (14/700,989) 2015-04-30

---

[21] **3,079,799**
[13] A1
[51] **Int.Cl. C12N 9/16 (2006.01) C12N 9/00 (2006.01) C12N 9/10 (2006.01) C12N 9/18 (2006.01) C12N 15/52 (2006.01) C12N 15/54 (2006.01) C12N 15/55 (2006.01) C12P 7/62 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **ENZYME VARIANTS WITH IMPROVED ESTER SYNTHASE PROPERTIES**
[54] **VARIANTS D'ENZYME DONT LES PROPRIETES D'ESTER SYNTHASE SONT AMELIOREES**
[72] SHUMAKER, ANDREW, US
[72] DA COSTA, BERNARDO M., US
[72] HOLDEN, KEVIN, US
[72] HOM, LOUIS G., US
[72] BARON, TARAH S., US
[72] HELMAN, NOAH, US
[71] REG LIFE SCIENCES, LLC, US
[22] 2013-03-15
[41] 2014-03-20
[62] 2,885,041
[30] US (61/701,191) 2012-09-14
[30] US (61/708,424) 2012-10-01

---

[21] **3,079,855**
[13] A1
[51] **Int.Cl. A01N 33/12 (2006.01) A01N 25/02 (2006.01) A01P 1/00 (2006.01) C25D 11/02 (2006.01)**
[25] EN
[54] **METHODS AND ANTIMICROBIAL SOLUTIONS FOR CONTROLLING GROWTH OF MICROORGANISMS AND MICROBIAL PATHOGENS ON A METALLIC SURFACE**
[54]
[72] LAMBERT, JOCELYN, CA
[72] DUMONT, MAXIME, CA
[72] COTE, JEAN-DENIS, CA
[72] RIVARD, DANIEL, CA
[72] PARADIS, FRANCOIS, CA
[72] ARSENAULT, STEVE, CA
[72] GAUDET, DANIEL, CA
[71] ECOGENE-21, CA
[22] 2013-04-19
[41] 2013-10-24
[62] 2,909,198
[30] US (61/636,063) 2012-04-20

[21] **3,079,864**
[13] A1
[51] **Int.Cl. G01S 13/87 (2006.01) G01S 7/02 (2006.01) G01S 13/88 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR 3D SAMPLING WITH AVIAN RADAR**
[54] **DISPOSITIF ET METHODE D'ECHANTILLONNAGE 3D AU MOYEN D'UN RADAR AVIEN**
[72] BEASON, ROBERT C., US
[72] COSTA, NELSON, CA
[72] NOHARA, TIMOTHY J., CA
[72] WEBER, PETER T., CA
[72] UKRAINEC, ANDREW M., CA
[72] PREMJI, AL-NASIR, CA
[72] JONES, GRAEME S., CA
[71] ACCIPITER RADAR TECHNOLOGIES, INC., CA
[22] 2012-09-07
[41] 2013-03-14
[62] 3,000,101
[30] US (61/532,812) 2011-09-09

[21] **3,079,874**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) A01K 67/027 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/85 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **UNGULATES WITH GENETICALLY MODIFIED IMMUNE SYSTEMS**
[54]
[72] WELLS, KEVIN, US
[72] AYARES, DAVID, US
[71] REVIVICOR, INC., US
[22] 2005-10-24
[41] 2006-05-04
[62] 2,958,259
[30] US (60/621,433) 2004-10-22

[21] **3,079,930**
[13] A1
[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/02 (2006.01) B01D 53/14 (2006.01) B01D 53/48 (2006.01)**
[25] EN
[54] **REDUCING MERCURY EMISSIONS FROM THE BURNING OF COAL**
[54] **REDUCTION DES EMISSIONS DE MERCURE RESULTANT DE LA COMBUSTION DE CHARBON**
[72] COMRIE, DOUGLAS C., US
[71] NOX II, LTD., US
[22] 2006-03-16
[41] 2006-09-21
[62] 2,947,877
[30] US (60/662,911) 2005-03-17
[30] US (60/742,154) 2005-12-02
[30] US (60/759,994) 2006-01-18
[30] US (60/765,944) 2006-02-07

[21] **3,080,025**
[13] A1
[51] **Int.Cl. H04N 19/89 (2014.01) H04N 19/30 (2014.01) H04N 19/44 (2014.01) H04N 19/46 (2014.01) H04N 19/65 (2014.01) H04L 1/24 (2006.01)**
[25] EN
[54] **RECEIVING APPARATUS AND DECODING METHOD THEREOF**
[54] **APPAREIL DE RECEPTION ET PROCEDE DE DECODAGE CORRESPONDANT**
[72] PARK, JUNG-HYUN, KR
[72] YU, JUNG-PIL, KR
[72] JUNG, SUNG-KYU, KR
[72] CHOI, CHANG-HOON, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2016-10-19
[41] 2017-04-27
[62] 3,000,636
[30] US (62/243,246) 2015-10-19
[30] KR (10-2016-0134560) 2016-10-17

[21] **3,080,027**
[13] A1
[25] EN
[54] **MONITORING AND CONTROLLING OF DISTRIBUTED MACHINES**
[54] **SURVEILLANCE ET COMMANDE DE MACHINES REPARTIES**
[72] CONRAD, JUSTIN WESLEY, US
[72] FERENCZ, DONALD CYRIL, JR., US
[72] HOSTELLEY, KEVIN DAVID, US
[71] CONTROL SOLUTIONS ENTERPRISES, INC., US
[22] 2016-06-29
[41] 2017-01-05
[62] 2,991,289
[30] US (62/187,007) 2015-06-30

[21] **3,080,030**
[13] A1
[51] **Int.Cl. B01D 25/00 (2006.01)**
[25] EN
[54] **FLEXIBLE BIOLOGICAL FLUID FILTERS**
[54] **FILTRES A FLUIDES BIOLOGIQUES SOUPLES**
[72] VERRI, PAOLO, IT
[72] LYNN, DANIEL, US
[72] DAY, SCOTT, US
[71] FENWAL, INC., US
[22] 2014-06-06
[41] 2015-10-01
[62] 2,941,156
[30] US (14/222,961) 2014-03-24

[21] **3,080,037**
[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 21/62 (2013.01) G06F 21/64 (2013.01) G06F 7/00 (2006.01)**
[25] EN
[54] **DOCUMENT TRACKING ON A DISTRIBUTED LEDGER**
[54] **SUIVI DE DOCUMENT DANS UN REGISTRE DISTRIBUE**
[72] CHAN, PAUL MON-WAH, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] LEE, JOHN JONG SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2016-08-12
[41] 2017-02-13
[62] 2,938,754
[30] US (62/204,768) 2015-08-13

---

[21] **3,080,216**
[13] A1
[25] EN
[54] **ADHESIVE PANELS OF MICROVANE ARRAYS FOR REDUCING EFFECTS OF WINGTIP VORTICES**
[54] **PANNEAUX ADHESIFS A RESEAUX DE MICRO-AUBES POUR REDUIRE LES EFFETS DES TOURBILLONS D'EXTREMITE D'AILE**
[72] ROSENBERGER, BRIAN T., US
[72] CHARLTON, ERIC FREDERICK, US
[72] MILLER, DANIEL N., US
[71] LOCKHEED MARTIN CORPORATION, US
[22] 2015-11-30
[41] 2016-06-12
[62] 2,913,710
[30] US (14/569,270) 2014-12-12

---

[21] **3,080,233**
[13] A1
[51] **Int.Cl. F24T 50/00 (2018.01) C02F 1/00 (2006.01) C05F 7/00 (2006.01) F24D 10/00 (2006.01) F24F 5/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING EFFLUENT FROM AT LEAST ONE WASTEWATER TREATMENT PLANT**
[54] **PROCEDE ET SYSTEME POUR FOURNIR UN EFFLUENT D'AU MOINS UNE STATION D'EPURATION DES EAUX USEES**
[72] MAHONY ROBERT J., US
[71] ESSENTIAL WATER LLC, US
[22] 2011-05-20
[41] 2011-11-24
[62] 2,800,169
[30] US (61/346,705) 2010-05-20

Index of Canadian Patents Issued

June 9, 2020

Index des brevets canadiens délivrés

9 juin 2020

Index des brevets canadiens délivrés
9 juin 2020

Index of Canadian Patents Issued
June 9, 2020

Index des brevets canadiens délivrés
9 juin 2020

Index des brevets canadiens délivrés
9 juin 2020

Index of Canadian Patents Issued
June 9, 2020

Index des brevets canadiens délivrés
9 juin 2020

Index of Canadian Patents Issued
June 9, 2020

Index of Canadian Applications Open to Public Inspection

May 24, 2020 to May 30, 2020

Index des demandes canadiennes mises à la disponibilité du public

24 mai 2020 au 30 mai 2020

Index des demandes canadiennes mises à la disponibilité du public
24 mai 2020 au 30 mai 2020

Index of Canadian Applications Open to Public Inspection
May 24, 2020 to May 30, 2020

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

VOLKL, LOTHAR	3,079,584
WABNEGGER, DAVID	3,079,454
WEBER, PETER T.	3,079,864
WELLS, KEVIN	3,079,874
WU, HSI-YUNG T.	3,060,450
YOSHIDA, HIROO	3,079,733
YU, JUNG-PIL	3,080,025
ZDURNE, DAVID A.	3,079,734
ZHILKOV, STANISLAV	3,079,719
ZHOU, ZHEWU	3,079,186
ZHYLKOVA, IEVGENIIA	3,079,719