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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.

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Notices

Avis

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

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'identification 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).

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

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.

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. 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. 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.

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.

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.

8. List of Patents Available for Licence or Sale

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

None

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. 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. 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. 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.

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).

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1708*
For each additional sheet over 30	\$19
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

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. 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. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1708 \$*
Pour chaque feuille au delà de 30	19 \$
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

Notices

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.

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. Late payment fee

**50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee**

4. Taxe pour paiement tardif

**50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt
international**

Preliminary Examination

Examen préliminaire

5. Handling fee (Rule 57.2(a)) \$257

5. Taxe de traitement (Règle 57.2a) 257 \$

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

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

* International fees will be reduced by:

* Les frais seront réduits de:

- **\$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **\$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

- **257 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 \$** 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

12. Avis PCT

Patent Cooperation Treaty (PCT)

Traité de Coopération en matière de brevets (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.

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.

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

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 :

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

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

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

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

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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).

14. Correspondence Procedures

June 20, 2017

1. [Physical Delivery of Correspondence to CIPO](#)
2. [Electronic Correspondence](#)
3. [Details concerning the electronic formats accepted](#)
4. [General Information](#)
5. [Statutory Holidays](#)
6. [Procedures in case of an unexpected Office closure at CIPO](#)
7. [Procedures when CIPO is open for business but clients are unable to communicate with the Office](#)
8. [Intellectual property acts, rules and regulations](#)

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property 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.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

(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. Procédures de correspondance

le 20 juin, 2017

1. [Livraison en personne de correspondance à l'OPIIC.](#)
2. [Correspondance électronique](#)
3. [Précisions concernant les formats électroniques acceptés](#)
4. [Renseignements généraux](#)
5. [Jours fériés](#)
6. [Procédures en cas de fermeture des bureaux](#)
7. [Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture](#)
8. [Lois, règles et règlements sur la propriété intellectuelle](#)

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Livraison en personne de correspondance à l'OPIIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

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Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, 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

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

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

Download the [Fee Payment Form](#).

1.1 Designated Establishments

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 following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. 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
2. Innovation, Science and Economic Development
Canada
Sun Life Building
1155 Metcalfe Street, Room 950
Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, 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

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner 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 ne satisfaisant pas aux 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 devrait toujours être présenté 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 paiements](#).

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique
Canada
Édifce 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
2. Innovation, Sciences et Développement économique
Canada
Édifce Sun Life
1155, rue Metcalfe, bureau 950
Montréal (Québec) H3B 2V6

Notices

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

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

3. 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

4. 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

5. 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

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

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

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

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

3. 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

4. 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

5. 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

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

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

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(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

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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.

2. Electronic Correspondence

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, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) 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 Trade-marks, the Copyright 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 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

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

Correspondence delivered 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 open for business.

établissements ou des bureaux désignés auxquels 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 livrée.

L'OPIC considère que la correspondance livrée 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 émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Correspondance électronique

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, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du 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 ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

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 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

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2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

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

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

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 a document by facsimile 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.

Patents

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

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.

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](#)

2.1 Correspondance par télécopieur

La correspondance par télécopieur 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 aux numéros ci-dessous :

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

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 ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi 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'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquiescement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

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 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.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des 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](#)

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- [of patent agents; and](#)
- [ordering copies in paper, or electronic form of a document.](#)

- [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](#).

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by 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;](#)
- [filing of a declaration of use;](#)
- [registration of a trademark application;](#)
- [statement of Opposition;](#) and
- [extensions of time in trademark opposition cases](#)

Copyright

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](#)

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](#).

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- [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,](#)
- [dépôt d'une déclaration d'emploi;](#)
- [l'enregistrement d'une marque de commerce](#)
- [dépôt d'une déclaration d'opposition;](#) et
- [demande de prolongation de délai dans une procédure d'opposition.](#)

Droits d'auteur

Aux fins 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. Pour ce faire, il faut accéder 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](#)

Notices

- [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](#).

- [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 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents 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

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder 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

Aux fins 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. Pour ce faire, il faut accéder à la page suivante :

- [correspondance générale relative aux topographies de circuits intégrés](#).

2.3 Electronic medium

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

2.3 Supports électroniques

Brevets

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

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application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

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 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.

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

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.

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.

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

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the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

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 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 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 1/2" 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.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

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](#) de ces 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.

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.

Avis

ASCII

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

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: TIFF, JPEG, WPD and Doc. 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 one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

ASCII

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

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. 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 présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- 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
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- 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
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

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4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

5. Statutory Holidays

- [Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts](#)
- [Time limits under the Patent and Trade-marks Act](#)
- [Time limits under the Patent Cooperation Treaty](#)
- [Provincial and Territorial Holidays](#)
- [When Patent and Trademarks Offices are closed for business](#)

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or 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, 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.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec [le Centre de services à la clientèle de l'OPIC](#).

5. Jours fériés

- [Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés](#)
- [Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce](#)
- [Délais prévus dans le Traité de coopération en matière de brevets](#)
- [Jours fériés provinciaux ou territoriaux](#)
- [Jours de fermeture au public des bureaux des brevets et des marques de commerce](#)

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé 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 sur les établissements auxquels des documents sont 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.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Time limits 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.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Délais prévus dans le 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.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

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the filing of a document in Canada 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. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta:** Third Monday in February (Alberta Family Day)
2. **British Columbia:**
 - o First Monday in August (British Columbia Day)
 - o Second Monday in February (British Columbia Family Day)
3. **New Brunswick:** First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador:**
 - o March 17 (St. Patrick's Day)
 - o April 23 (St. George's Day)
 - o June 24 (Discovery Day)
 - o July 12 (Orangemen's Day)
 - o First Monday in August (Regatta Day)
5. **Nova Scotia:** First Monday in August (Civic Holiday)
6. **Ontario:**
 - o Third Monday in February (Ontario Family Day)
 - o First Monday in August (Civic Holiday)
7. **Prince Edward Island:** First Monday In August (Civic Holiday)
8. **Quebec:** June 24 (St. John the Baptist Day)
9. **Saskatchewan:** First Monday in August (Saskatchewan Day)
10. **Yukon:** Third Monday in August (Discovery Day)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta :** troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique :**
 - o premier lundi d'août (Fête de la Colombie-Britannique)
 - o deuxième lundi de février (Jour de Famille de la Colombie –Britannique)
3. **Nouveau-Brunswick :** premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador :**
 - o 17 mars (Fête de la Saint-Patrick)
 - o 23 avril (Fête de la Saint-Georges)
 - o 24 juin (Journée de la Découverte)
 - o 12 juillet (Jour des Orangistes)
 - o Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse :** premier lundi d'août (congé statutaire)
6. **Ontario :**
 - o troisième lundi de février (Jour de la Famille de l'Ontario)
 - o premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Édouard :** premier lundi d'août (congé civique)
8. **Québec :** 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan :** premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon :** troisième lundi d'août (Journée de la Découverte)

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

Avis

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

6. Procédures en cas de fermeture des bureaux

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

Dans une **situation d'urgence**, 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.

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.

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.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

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.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically 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); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

Les clients sont **fortement encouragés** à 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 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

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deposit account number.

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 on our [service interruptions](#) as they become available and as circumstances permit.

7. Procedures when CIPO is open for business 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 for business 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 Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks 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 of \$125 may be required in certain cases.

CIPO notes that [Bill C-59 – Budget Implementation Act 2015](#), which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

En cas d'urgence, les systèmes d'information et de recherche seront, 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 cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre [page d'interruptions des services](#) lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

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

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

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 prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation 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 de 125 \$ peut être exigé dans certains cas.

L'OPIC souligne que le [projet de loi C-59 – Loi d'exécution du budget 2015](#), qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

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](#)
- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trade-marks Regulations](#)

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](#)
- [Règlement d'exécution du PCT](#)
- [Règlement sur les marques de commerce](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of May 8, 2018 contains applications open to public inspection from April 22, 2018 to April 28, 2018.

16. Erratum

The information concerning the notice of removal from the register of patent agents for the following patent agents of the Canadian Patent Office Record of April 17, 2018 was incorrect. The following patent agents and/or firms are in good standing:

PEI, NANCY P.
O'CONNELL, TAMARA
INGRAM, COLIN B.
NEABLE, KUYLER BRUCE
TAKAGAWA, DAVID H.
CARSON LAW OFFICE PROFESSIONAL CORPORATION
JUNKIN, CHARLES WILLIAM

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 8 mai 2018 contient les demandes disponibles au public pour consultation pour la période du 22 avril 2018 au 28 avril 2018.

16. Erratum

Les renseignements concernant l'avis concernant le registre des agents de brevets pour annoncer que les agents de brevet ci-dessous étaient supprimés dans la Gazette du Bureau des brevets le 17 avril 2018 sont inexacts. Les agents de brevets et/ou des maisons d'affaires suivants sont en règle :

PEI, NANCY P.
O'CONNELL, TAMARA
INGRAM, COLIN B.
NEABLE, KUYLER BRUCE
TAKAGAWA, DAVID H.
CARSON LAW OFFICE PROFESSIONAL CORPORATION
JUNKIN, CHARLES WILLIAM

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[11] **2,471,022**
[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 30/00 (2012.01)**

[25] EN

[54] **BUSINESS TRANSACTION MANAGEMENT**

[54] **GESTION DE TRANSACTIONS COMMERCIALES**

[72] SOLOMON, STUART L., US

[72] KILMER, BURRELL G., US

[72] WELLS, CASEY C., US

[72] JORDAN, KYLE K., US

[72] MEHOK, MATTHEW W., US

[72] SAFFELL, TIMOTHY J., US

[72] HENDERSHOT, BENJAMIN J., US

[72] ANDERSON, STEWART J. J., AU

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[85] 2004-06-17

[86] 2002-12-20 (PCT/IB2002/005806)

[87] (WO2003/054761)

[30] US (10/027,664) 2001-12-20

[11] **2,544,616**
[13] C

[51] **Int.Cl. G16H 40/20 (2018.01)**

[25] EN

[54] **SYSTEM AND SOFTWARE OF ENHANCED PHARMACEUTICAL OPERATIONS IN LONG-TERM CARE FACILITIES AND RELATED METHODS**

[54] **SYSTEME ET LOGICIEL D'OPERATIONS PHARMACEUTIQUES AMELIOREES DANS DES ETABLISSEMENTS DE SOINS A LONG TERME ET PROCEDES ASSOCIES**

[72] MONCRIEF, JAMES W., US

[72] MARTIN, JAMES J., US

[73] TECH PHARMACY SERVICES, LLC, US

[85] 2006-05-02

[86] 2004-11-02 (PCT/US2004/036532)

[87] (WO2005/043440)

[30] US (60/516,678) 2003-11-03

[30] US (10/944,993) 2004-09-20

[11] **2,569,213**
[13] C

[51] **Int.Cl. G01C 21/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ESTIMATING POSITION, ATTITUDE, AND/OR HEADING OF A VEHICLE**

[54] **SYSTEMES ET PROCEDES PERMETTANT D'EVALUER LA POSITION, L'ATTITUDE ET/OU LE CAP D'UN VEHICULE**

[72] VOS, DAVID WILLIAM, US

[72] GAVRILETS, VLADISLAV, US

[73] ROCKWELL COLLINS CONTROL TECHNOLOGIES, INC., US

[85] 2006-11-29

[86] 2005-06-02 (PCT/US2005/019435)

[87] (WO2005/119387)

[30] US (60/576,021) 2004-06-02

[11] **2,605,832**
[13] C

[51] **Int.Cl. C12N 11/00 (2006.01) C12N 9/00 (2006.01) C12N 9/20 (2006.01) C12N 11/02 (2006.01) C12P 1/04 (2006.01) C12P 7/00 (2006.01) C12P 7/64 (2006.01)**

[25] EN

[54] **IMMOBILIZED ENZYMES AND METHODS OF USING THEREOF**

[54] **ENZYMES IMMOBILISEES ET LEURS PROCEDES D'UTILISATION**

[72] KRALOVEC, JAROSLAV, A., CA

[72] WANG, WEIJIE, CA

[73] DSM NUTRITIONAL PRODUCTS AG, US

[85] 2007-10-22

[86] 2006-06-13 (PCT/IB2006/003999)

[87] (WO2007/102050)

[30] US (60/691,061) 2005-06-16

[11] **2,654,408**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/20 (2006.01) A61P 5/50 (2006.01)**

[25] EN

[54] **MEDICINAL AGENT FOR TREATING FATNESS, DIABETES, AND DISEASES ASSOCIATED WITH IMPAIRED GLUCOSE TOLERANCE**

[54] **PREPARATION MEDICAMENTEUSE DESTINEE AU TRAITEMENT PERORAL DE L'EXCES PONDERAL, DU DIABETE SUCRE ET DE MALADIES ACCOMPAGNEES D'UNE PERTURBATION DE LA TOLERANCE DU GLUCOSE**

[72] EPSHTEIN, OLEG ILIICH, RU

[72] SERGEEVA, SVETLANA ALEXANDROVNA, RU

[73] EPSHTEIN, OLEG ILIICH, RU

[85] 2008-12-04

[86] 2007-05-31 (PCT/RU2007/000288)

[87] (WO2007/149010)

[30] RU (2006119655) 2006-06-06

[30] RU (2006119658) 2006-06-06

[11] **2,662,063**
[13] C

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/30 (2006.01) G06N 5/02 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD, AND COMPUTER PROGRAM FOR A CONSUMER DEFINED INFORMATION ARCHITECTURE**

[54] **SYSTEME, PROCEDE ET PROGRAMME D'ORDINATEUR POUR UNE ARCHITECTURE D'INFORMATION DEFINIE PAR LE CONSOMMATEUR**

[72] SWEENEY, PETER, CA

[72] GOOD, ROBERT, CA

[73] PRIMAL FUSION INC., CA

[85] 2009-02-27

[86] 2007-08-31 (PCT/CA2007/001546)

[87] (WO2008/025167)

[30] US (11/469,258) 2006-08-31

[30] US (11/550,457) 2006-10-18

[30] US (11/625,452) 2007-01-22

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[11] **2,663,136**
[13] C

- [51] **Int.Cl. C03C 10/12 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF CERAMIC GLASS MATERIAL IN THE FORM OF SHEETS, SHEETS THUS OBTAINED AND USE THEREOF**
[54] **PROCEDE POUR LA PREPARATION D'UN MATERIAU EN VERRE CERAMISE SOUS LA FORME DE FEUILLES, FEUILLES AINSI OBTENUES ET UTILISATION DE CELLES-CI**
[72] BALDI, GIOVANNI, IT
[72] BORELLI, GAUDENZIO, IT
[72] ANTONINI, ALESSIO, IT
[72] BITOSSO, MARCO, IT
[73] COLOROBIA ITALIA S.P.A., IT
[85] 2009-03-11
[86] 2007-09-17 (PCT/EP2007/059787)
[87] (WO2008/034797)
[30] IT (FI2006A000231) 2006-09-18

[11] **2,674,977**
[13] C

- [51] **Int.Cl. B60C 11/117 (2006.01)**
[25] EN
[54] **HEAVY DUTY TIRE**
[54] **PNEUMATIQUE EXTRA ROBUSTE**
[72] NEUBAUER, ROBERT ANTHONY, US
[72] WELLS, DALE EUGENE, US
[72] FRANK, MAURICE JACOB, US
[73] THE GOODYEAR TIRE & RUBBER COMPANY, US
[86] (2674977)
[87] (2674977)
[22] 2009-08-10
[30] US (61/188,610) 2008-08-11

[11] **2,680,111**
[13] C

- [51] **Int.Cl. A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF THE ANTI-B7H3 (CD276) ANTIBODY, 8H9, FOR THE TREATMENT OF NEUROBLASTOMA TUMORS**
[54] **UTILISATION DE L'ANTICORPS ANTI-B7H3 (CD276), 8H9, POUR LE TRAITEMENT DE NEUROBLASTOMES**
[72] CHEUNG, NAI-KONG, US
[73] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2009-09-04
[86] 2008-03-24 (PCT/US2008/058030)
[87] (WO2008/116219)
[30] US (60/896,416) 2007-03-22
[30] US (60/915,672) 2007-05-02

[11] **2,686,093**
[13] C

- [51] **Int.Cl. A61K 9/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **SOLVENT-CAST MICRONEEDLE ARRAYS CONTAINING ACTIVE**
[54] **RESEAUX DE MICRO-AIGUILLES COULEES DANS UN SOLVANT CONTENANT UN ACTIF**
[72] SINGH, PARMINDER, US
[72] WORSHAM, ROBERT WADE, US
[72] TRAUTMAN, JOSEPH C., US
[72] BAYRAMOV, DANIR F., US
[72] BOWERS, DANNY LEE, US
[72] KLEMM, ANDY, US
[72] KLEMM, STEVEN RICHARD, US
[72] CHEN, GUOHUA, US
[73] CORIUM INTERNATIONAL, INC., US
[85] 2009-10-16
[86] 2008-04-16 (PCT/US2008/004943)
[87] (WO2008/130587)
[30] US (60/923,861) 2007-04-16
[30] US (60/925,262) 2007-04-18

[11] **2,686,886**
[13] C

- [51] **Int.Cl. A61B 5/06 (2006.01) A61B 18/12 (2006.01) A61M 25/095 (2006.01) F16C 11/06 (2006.01) G01B 7/16 (2006.01) G01B 7/30 (2006.01) G01D 5/12 (2006.01) G01D 5/22 (2006.01) G01L 5/00 (2006.01)**
[25] EN
[54] **HIGH-SENSITIVITY PRESSURE-SENSING PROBE**
[54] **CAPTEUR DE PRESSION HAUTE SENSIBILITE**
[72] GOVARI, ASSAF, IL
[72] EPHRATH, YARON, US
[72] GARCIA, ARIEL, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[73] BIOSENSE WEBSTER, INC., US
[86] (2686886)
[87] (2686886)
[22] 2009-12-02
[30] US (12/327,226) 2008-12-03

[11] **2,690,654**
[13] C

- [51] **Int.Cl. B01J 23/50 (2006.01) B01D 53/56 (2006.01) B01D 53/86 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **TEMPLATED CATALYST COMPOSITION AND ASSOCIATED METHOD**
[54] **COMPOSITION CATALYTIQUE A PATRON ET METHODE CONNEXE**
[72] LEWIS, LARRY NEIL, US
[72] HANCU, DAN, US
[72] SICLOVAN, OLTEA PUICA, US
[72] YIN, MING, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2690654)
[87] (2690654)
[22] 2010-01-21
[30] US (12/362,520) 2009-01-30

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[11] **2,692,992**
[13] C

[51] **Int.Cl. B65H 29/60 (2006.01) B65H 5/02 (2006.01) B65H 29/12 (2006.01) G07D 7/00 (2016.01) G07D 11/00 (2006.01)**

[25] EN
[54] **VARIABLE LENGTH BILL PATH**
[54] **CHEMIN DE BILLET DE BANQUE DE LONGUEUR VARIABLE**

[72] YERMOLENKO, DMYTRO, CA
[72] ONIPCHENKO, OLEXANDR, CA
[72] RABINOVICH, PAVEL, CA
[72] KYSELOV, ANDRIY, CA
[73] CRANE CANADA CO., CA
[86] (2692992)
[87] (2692992)
[22] 2010-02-11

[11] **2,693,840**
[13] C

[51] **Int.Cl. A61L 27/38 (2006.01) A61F 2/30 (2006.01) A61L 2/18 (2006.01)**

[25] EN
[54] **CARTILAGE GRAFTS**
[54] **GREFFES DE CARTILAGE**

[72] CHEN, SILVIA S., US
[72] WOLFINBARGER, LLOYD, US
[72] QIN, XIAOFEI, US
[72] CHEN, JINGSONG, US
[72] THOMAS, RONY, US
[72] MOORE, MARK, US
[72] JONES, ALYCE LINTHURST, US
[73] LIFENET HEALTH, US
[85] 2010-01-14
[86] 2008-07-16 (PCT/US2008/008643)
[87] (WO2009/011849)
[30] US (11/826,530) 2007-07-16
[30] US (11/826,518) 2007-07-16
[30] US (11/826,522) 2007-07-16
[30] US (11/826,523) 2007-07-16

[11] **2,695,478**
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/18 (2015.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN
[54] **COMPOSITION AND THERAPEUTIC ANTI-TUMOUR VACCINE**

[54] **COMPOSITION ET VACCIN ANTI-TUMORAL THERAPEUTIQUE**

[72] GODFRIN, YANN, FR
[72] MARCHAND, ALICE, FR
[73] ERYTECH PHARMA, FR
[85] 2010-02-03
[86] 2008-08-08 (PCT/EP2008/060492)
[87] (WO2009/019317)
[30] FR (0705767) 2007-08-08
[30] US (60/954,917) 2007-08-09

[11] **2,696,398**
[13] C

[51] **Int.Cl. A61K 38/00 (2006.01)**

[25] EN
[54] **METHODS FOR TREATMENT OF STROKE OR CEREBROVASCULAR ACCIDENTS USING AN ETB RECEPTOR AGONIST**

[54] **PROCEDES DE TRAITEMENT DE L'ATTAQUE OU D'ACCIDENTS CEREBRO-VASCULAIRES A L'AIDE D'UN AGONISTE DU RECEPTEUR ET<SB>B</SB>**

[72] GULATI, ANIL, US
[73] MIDWESTERN UNIVERSITY, US
[85] 2010-02-12
[86] 2008-08-19 (PCT/US2008/073581)
[87] (WO2009/026282)
[30] US (60/965,591) 2007-08-21

[11] **2,698,053**
[13] C

[51] **Int.Cl. G01C 21/00 (2006.01) G01S 19/48 (2010.01) B61L 25/02 (2006.01) G01S 19/50 (2010.01)**

[25] EN
[54] **SYSTEM AND METHOD FOR VITALLY DETERMINING POSITION AND POSITION UNCERTAINTY OF A RAILROAD VEHICLE EMPLOYING DIVERSE SENSORS INCLUDING A GLOBAL POSITIONING SYSTEM SENSOR**

[54] **METHODE ET SYSTEME D'IDENTIFICATION AU PREMIER CHEF DE LA POSITION ET DE LA MARGE D'ERREUR DE POSITION D'UN VEHICULE DE VOIE FERREE MUNI DE DIVERS CAPTEURS, Y COMPRIS UN CAPTEUR DE SYSTEME DE POSITIONNEMENT GLOBAL**

[72] HAYNIE, MICHAEL B., US
[72] LAURUNE, WILLIAM R., US
[73] ANSALDO STS USA, INC., US
[86] (2698053)
[87] (2698053)
[22] 2010-03-30
[30] US (12/480,354) 2009-06-08

[11] **2,699,121**
[13] C

[51] **Int.Cl. E04C 2/04 (2006.01) E04C 2/38 (2006.01)**

[25] EN
[54] **CONCRETE PANEL CORNER CONNECTION**

[54] **RACCORD DE COINS DE PANNEAUX DE BETON**

[72] DI LORENZO, NICK, CA
[73] MILLWICK ACQUISITION CORP., CA
[86] (2699121)
[87] (2699121)
[22] 2010-04-07
[30] US (61/167,383) 2009-04-07

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[11] **2,700,280**
[13] C

[51] **Int.Cl. G01V 13/00 (2006.01) G01V 1/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CORRECTING THE TIMING FUNCTION IN A NODAL SEISMIC DATA ACQUISITION UNIT**
[54] **PROCEDE ET APPAREIL DE CORRECTION DE LA FONCTION DE SYNCHRONISATION DANS UNE UNITE NODALE D'ACQUISITION DE DONNEES SISMQUES**
[72] RAY, CLIFORD H., US
[72] FISSELER, GLENN D., US
[72] GUYTON, WILLIAM, US
[73] FAIRFIELD INDUSTRIES INCORPORATED, US
[85] 2010-03-22
[86] 2008-11-04 (PCT/IB2008/002958)
[87] (WO2009/066144)

[11] **2,705,134**
[13] C

[51] **Int.Cl. A61K 51/08 (2006.01) C07B 59/00 (2006.01)**
[25] EN
[54] **SELECTIVE RADIOLABELING OF BIOMOLECULES**
[54] **RADIOMARQUAGE SELECTIF DE BIOMOLECULES**
[72] PADILLA DE JESUS, Omayra Liz, US
[72] KOVACS, ERNEST WILLIAM, US
[72] GLASER, MATTHIAS EBERHARD, GB
[72] ARSTAD, ERIK, GB
[72] SYUD, FAISAL AHMED, US
[73] GENERAL ELECTRIC COMPANY, US
[73] GE HEALTHCARE LIMITED, GB
[85] 2010-05-06
[86] 2008-12-12 (PCT/EP2008/067413)
[87] (WO2009/080561)
[30] US (11/961,108) 2007-12-20

[11] **2,706,256**
[13] C

[51] **Int.Cl. A61M 1/14 (2006.01) A61J 1/10 (2006.01) A61J 1/14 (2006.01) C08L 1/28 (2006.01) C08L 23/06 (2006.01) C08L 33/12 (2006.01)**
[25] EN
[54] **MEDICAL HEMODIALYSIS CONTAINER INCLUDING A SELF SEALING VENT**
[54] **RECIPIENT MEDICAL POUR HEMODIALYSE COMPRENANT UN EVENT AUTO-OBTURANT**
[72] WEAVER, COLIN, US
[72] CRNKOVICH, MARTIN JOSEPH, US
[72] FOLDEN, THOMAS IRVIN, US
[73] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[86] (2706256)
[87] (2706256)
[22] 2010-06-03
[30] US (12/492,725) 2009-06-26

[11] **2,708,322**
[13] C

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 5/00 (2018.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **GENES THAT INCREASE PLANT OIL AND METHOD FOR USING THE SAME**
[54] **GENES QUI AUGMENTENT LA TENEUR EN HUILE D'UN VEGETAL ET METHODE D'UTILISATION ASSOCIEE**
[72] CHATANI, HIROSHI, JP
[72] OHTO, CHIKARA, JP
[72] OKAMURA, YUKIO, JP
[72] MITSUKAWA, NORIHIRO, JP
[72] MURAMOTO, NOBUHIKO, JP
[72] TAKAGI, MASARU, JP
[72] MITSUDA, NOBUTAKA, JP
[72] KOYAMA, TOMOTSUGU, JP
[72] MATSUI, KYOKO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2010-06-07
[86] 2008-12-05 (PCT/JP2008/072159)
[87] (WO2009/072609)
[30] JP (2007-315267) 2007-12-05

[11] **2,710,483**
[13] C

[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **METHODS AND AGENTS FOR IMPROVING TARGETING OF CD138 EXPRESSING TUMOR CELLS**
[54] **PROCEDES ET AGENTS PERMETTANT D'AMELIORER LE CIBLAGE DE CELLULES TUMORALES EXPRIMANT CD138**
[72] DAELKEN, BENJAMIN, DE
[72] UHEREK, CHRISTOPH, DE
[72] ANDERSON, KENNETH, US
[72] HIDESHIMA, TERU, US
[72] BRUECHER, CHRISTOPH, DE
[72] OSTERROTH, FRANK, DE
[72] AIGNER, SILKE, DE
[72] GERMER, MATTHIAS, DE
[73] BIOTEST AG, DE
[73] DANA-FARBER CANCER INSTITUTE, INC., US
[73] IMMUNOGEN, INC., US
[85] 2010-06-22
[86] 2008-12-23 (PCT/EP2008/068270)
[87] (WO2009/080832)
[30] US (61/016,614) 2007-12-26
[30] US (61/087,590) 2008-08-08
[30] US (61/087,466) 2008-08-08

[11] **2,711,210**
[13] C

[51] **Int.Cl. C25B 13/02 (2006.01) H01M 8/0258 (2016.01)**
[25] EN
[54] **BIPOLAR PLATE AND METHOD FOR ITS PRODUCTION**
[54] **PLAQUE BIPOLAIRE ET METHODE DE PRODUCTION**
[72] GAUGLER, BERND, DE
[72] KUNZ, CLAUDIA, DE
[73] REINZ-DICHTUNGS-GMBH, DE
[86] (2711210)
[87] (2711210)
[22] 2010-07-26
[30] DE (10 2009 036 039.5-45) 2009-08-03

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[11] **2,711,847**
[13] C

[51] **Int.Cl. A61C 8/00 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **IMPLANT PELLETS AND METHODS FOR PERFORMING BONE AUGMENTATION AND PRESERVATION**
[54] **PASTILLES D'IMPLANT ET PROCEDES POUR EFFECTUER UNE AUGMENTATION ET UNE CONSERVATION D'OS**
[72] KAIGLER, DARNELL, SR., US
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[54] **PROCEDES ET APPAREILS POUR UNE REACTION EN CHAINE PAR POLYMERASE (PCR) CONVECTIVE**
[72] CHEN, PEI-JER, TW
[72] CHEN, PING-HEI, TW
[72] CHOU, WEN-PIN, TW
[72] HSIEH, YI-FAN, TW
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[54] **SYSTEME ET PROCEDE DE SUIVI**
[72] PROULX, CATHERINE, CA
[72] AMIOT, LOUIS-PHILIPPE, CA
[72] BOUTIN, YANNICK, CA
[72] BRETON, YONIK, CA
[72] DUVAL, KARINE, CA
[72] PELLETIER, BENOIT, CA
[72] RICHARD, ALAIN, CA
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[54] **NOUVEAUX COMPOSES SERVANT A TRAITER LES MALADIES ET TROUBLES DU SYSTEME NERVEUX CENTRAL**
[72] PESYAN, AMIR, US
[72] BALANDRIN, MANUEL F., US
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[54] **FORMULES DE LUBRIFIANT POUR MOTEURS DIESEL A UTILISATION PROLONGEE**
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[72] HUTCHISON, DAVID A., US
[73] AFTON CHEMICAL CORPORATION, US
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[72] KOOPMANN, RICHARD R., US
[72] THOMPSON, NATHAN, US
[72] TOOLEY, LUKE, US
[72] NAGLESTAD, JOSEPH, US
[72] WIELENGA, CHRIS, US
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[72] WOOD, NICHOLE LEA, US
[72] GROSSMANN, GREGORY ANDREW, US
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[54] **PROCEDE POUR CONDUIRE UNE TRANSACTION AU MOYEN D'UN DISPOSITIF NFC**
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[72] BLANCHET, JEAN-BERNARD, FR
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[72] PAULEY, BROOK JAMES, US
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[72] PAULEY, SUSAN LOUISE, US
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[54] **SYSTEMS AND METHODS FOR DETERMINING THE LOCATION AND PRESSURE OF A TOUCHLOAD APPLIED TO A TOUCHPAD**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER L'EMPLACEMENT ET LA PRESSION EXERCÉE PAR UN TOUCHER SUR UN PAVE TACTILE**
[72] SAYNAC, XAVIER PIERRE-EMMANUEL, FR
[72] KORMENDY, ARPAD, CA
[72] MACDONALD, ADAM JOSEPH, CA
[72] THILLAINADARAJAH, KUMARAN, CA
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[54] **PROCEDES ET SYSTEMES DE SURVEILLANCE D'HABITUDES D'HYGIENE**
[72] RAICHMAN, YOSSEF, IL
[73] HYGINEX INC., US
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[54] **METHOD AND APPARATUS FOR REMOVING METALLIC MATTER FROM AN OIL WELL CIRCULATING COMPLETION FLUID STREAM**
[54] **PROCEDE ET APPAREIL POUR L'EXTRACTION D'UNE SUBSTANCE METALLIQUE D'UN FLUX DE FLUIDES DE COMPLETION CIRCULANT DANS UN Puits DE PETROLE**
[72] WILLIAMSON, PAT, US
[72] BOUDREAUX, HOMER, US
[72] CALLEGARI, STEVE, US
[72] CALLEGARI, STEVE, JR., US
[72] FOLEY, LARRY, US
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[72] KEEFE, ROBERT PAUL, US

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[72] BARKER, C. ROBERT, US

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[54] **DETERMINATION D'IMMUNOGLOBULINES DANS DES FLUIDES CORPORELS NON SANGUINS D'ONGULES NOUVEAUX-NES**

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[54] **METHODS, SYSTEMS AND APPARATUSES FOR USE IN UPDATING A PORTABLE STORAGE MEDIUM**

[54] **PROCEDES, SYSTEMES ET APPAREILS POUR UNE UTILISATION DANS LA MISE A JOUR D'UN SUPPORT DE STOCKAGE PORTABLE**

[72] FISHER, DIANA LOUISE, US

[72] SWAN, ANDREW KERR, US

[72] GOODSSELL, DEVIN, US

[73] DELUXE MEDIA INC., US

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[54] **VITIS VINIFERA PLANT EXTRACT FOR USE AS A PHYTOCHEMICAL**

[54] **EXTRAIT VEGETAL DE VITIS VINIFERA SERVANT D'AGENT PHYTOCHIMIQUE**

[72] MAIREL, FRANCOIS, FR

[73] INDENA S.P.A., IT

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[54] **SYNTHESE D'AGENT D'EXTRACTION DE METAUX DU GROUPE DES TERRES RARES**

[72] SAKAKI, KAZUAKI, JP

[72] SUGAHARA, HIROTO, JP

[72] OHASHI, TETSUYA, JP

[72] KUME, TETSUYA, JP

[72] IKKA, MASAHIKO, JP

[72] NAGANAWA, HIROCHIKA, JP

[72] SHIMOJO, KOJIRO, JP

[73] SHIN-ETSU CHEMICAL CO., LTD., JP

[73] NISSIN CHEMICAL INDUSTRY CO., LTD., JP

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[54] **PLASTIFIANT POUR MATERIAUX POLYMERES THERMOPLASTIQUES**

[72] MACDONALD, JOHN GAVIN, US

[72] ELSHANI, TEUTA, US

[72] HRISTOV, HRISTO A., US

[72] SMITH, MOLLY K., US

[72] WEART, ILONA F., US

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[54] **FORME DE VERROUILLAGE RECIPROQUE POUR UNE UTILISATION DANS DES ELEMENTS DE CONSTRUCTION**
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[72] KREUTZMAN, DAVID, US
[72] TAMM, DON N., US
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[54] **METHOD AND SYSTEM FOR REUSING MATERIALS AND/OR PRODUCTS BY PULSED POWER**
[54] **PROCEDE ET SYSTEME DE VALORISATION DE MATERIAUX ET/OU PRODUITS PAR PUISSANCE PULSEE**
[72] BENTAJ, ABDELAZIZ, FR
[72] OUAYAHYA, NADIR, FR
[72] CLEMENT, JEAN LOUIS, FR
[72] TUTUSAUS, JEAN PIERRE, FR
[73] CAMILLE COMPAGNIE D'ASSISTANCE MINIERE ET INDUSTRIELLE, FR
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[54] **MODULATEURS DU REGULATEUR DE CONDUCTANCE TRANSMEMBRANAIRE DE LA MUCOVISCIDOSE**
[72] YANG, XIAOQING, US
[72] HADIDA RUAH, SARA S., US
[72] GROOTENHUIS, PETER D. J., US
[72] VAN GOOR, FREDRICK F., US
[72] BOTFIELD, MARTYN C., US
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[72] KARVINEN, REINO TAUNO, AU
[73] EDITH COWAN UNIVERSITY, AU
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[54] **ACETATE DE PHENYLE L-ORNITHINE ET SES PROCEDES DE FABRICATION**
[72] ANDERSON, KEITH, US
[72] BEHLING, JIM, US
[72] DOUGAN, CHRISTINE HENDERSON, GB
[72] WATT, STEPHEN WILLIAM, GB
[72] MANINI, PETER, CH
[72] FIGINI, ATTILIA, CH
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[72] WU, CHING, US
[73] EXCELLIMS CORPORATION, US
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[54] **PROCESS FOR INHIBITING PARTICULATE EMISSION DURING FRICTION OF HEAT-TREATED IRON ORE PELLETS AND USE OF AN ALCOHOL BY-PRODUCT TO INHIBIT PARTICULATE EMISSION**
[54] **PROCEDE POUR L'INHIBITION DE L'EMISSION DE MATIERE PARTICULAIRE PENDANT LE FROTTEMENT DE BOULETTES DE MINERAI DE FER TRAITÉ THERMIQUEMENT ET UTILISATION D'UN SOUS-PRODUIT ALCOOLIQUE POUR INHIBER L'EMISSION DE MATIERE PARTICULAIRE**
[72] ARAUJO, RODRIGO RIBEIRO DE, BR
[72] SILVA, CELSO DE JESUS, BR
[72] REIS, ANTONINO ALVES E SILVA, BR
[72] STEGMILLER, LEONIDIO, BR
[72] JUNIOR, ALDO GAMBERINI, BR
[72] JESUS, REINALDO WALMIR DE, BR
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[54] **SIGNATURE MOLECULAIRE PRONOSTIQUE DES SARCOMES ET UTILISATIONS**
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[72] COINDRE, JEAN-MICHEL, FR
[72] AURIAS, ALAIN, FR
[73] INSTITUT CURIE, FR
[73] UNIVERSITE BORDEAUX SEGALEN, FR
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[54] **DISPOSITIF, DISPOSITIF FONCTIONNEL EXTERNE AINSI QU'APPAREIL DE TRAITEMENT POUR LE TRAITEMENT DE FLUIDES MEDICAUX**
[72] LAUER, MARTIN, DE
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[54] **METHODE ET DISPOSITIF D'APPLICATION D'UN DISPERSANT SUR UNE SURFACE D'EAU**
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[72] LOEFGREN, PETER, SE
[73] ELASTEC, INC., US
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[54] **AMELIORATION DE LA PRECISION DE REMPLISSAGE DURANT LA FORMATION D'UN SACHET**
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[72] PETERSON, JASON G., US
[72] SADLER, JAMES WILLIAM, CA
[73] LIQUI-BOX CORPORATION, US
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[54] **PRECIPITATION CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DES PRECIPITATIONS**
[72] PARKINSON, RICHARD ALAN, CA
[72] BACH, TIMOTHY DUANE, CA
[72] MANTYLA, JAMES BRIAN, CA
[72] PROCTOR, KENT DOUGLAS, CA
[72] TESKEY, JAMES EDWIN, CA
[72] BURTCH, DONNA MARIA, CA
[73] CANPLAS INDUSTRIES LTD., CA
[86] (2766888)
[87] (2766888)
[22] 2012-02-03

[11] **2,767,020**

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[54] **TURBOELECTRIC COAGULATION APPARATUS**
[54] **APPAREIL DE COAGULATION TURBOELECTRIQUE**
[72] WOOD, LOCKETT E., US
[72] LOWSTUTER, WILLIAM R., US
[72] SCHUMACHER, JOHN E., III(DECEASED), US
[73] AVIVID WATER TECHNOLOGY, LLC, US
[85] 2011-12-29
[86] 2010-07-01 (PCT/US2010/040827)
[87] (WO2011/003026)
[30] US (12/497,472) 2009-07-02

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[54] **VH4 CODON SIGNATURE FOR MULTIPLE SCLEROSIS**
[54] **SIGNATURE DE CODON DE VH4 POUR SCLEROSE MULTIPLE**
[72] MONSON, NANCY, US
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2012-01-23
[86] 2009-07-24 (PCT/US2009/051647)
[87] (WO2010/011894)
[30] US (61/083,429) 2008-07-24

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[25] EN
[54] **CATHETER WITH CUSTOMIZABLE CONNECTOR**
[54] **CATHETER AVEC CONNECTEUR PERSONNALISABLE**
[72] FROEJD, GOERAN, SE
[72] MICHON-GENTE, MARIE-JOSEE, SE
[73] ASTRA TECH AB, SE
[85] 2012-01-18
[86] 2010-09-03 (PCT/EP2010/062925)
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[30] US (61/240,063) 2009-09-04

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[25] EN
[54] **SYNTHETIC RESIN BOTTLE AND PROCESS FOR MANUFACTURING THE SAME**
[54] **BOUEILLE EN RESINE SYNTHETIQUE, ET SON PROCEDE DE FABRICATION**
[72] FUSE, YOSHIHIRO, JP
[72] OKUYAMA, YUICHI, JP
[72] SUGAI, MASAHIRO, JP
[73] YOSHINO KOGYOSHO CO., LTD., JP
[85] 2012-02-01
[86] 2010-08-19 (PCT/JP2010/063972)
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[30] JP (2009-200443) 2009-08-31

[11] **2,773,458**

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[25] EN
[54] **INTEGRATION OF REFORMING/WATER SPLITTING AND ELECTROCHEMICAL SYSTEMS FOR POWER GENERATION WITH INTEGRATED CARBON CAPTURE**
[54] **INTEGRATION DU REFORMAGE/SEPARATION DE L'EAU ET SYSTEMES ELECTROCHIMIQUES POUR GENERATION D'ENERGIE AVEC CAPTURE DE CARBONE INTEGRE**
[72] FAN, LIANG-SHIH, US
[72] LI, FANXING, US
[72] ZENG, LIANG, US
[72] SRIDHAR, DEEPAK, US
[73] OHIO STATE INNOVATION FOUNDATION, US
[85] 2012-03-07
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[87] (WO2011/031755)
[30] US (61/240,508) 2009-09-08

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[25] EN
[54] **ROTARY DRIVE DESIGN**
[54] **SYSTEME D'ENTRAINEMENT EN ROTATION**
[72] STIEBITZ, GUENTER, DE
[72] ROLL, PATRICK, DE
[72] GLATTBACH, JOACHIM, DE
[73] SWG SCHRAUBENWERK GAISBACH GMBH, DE
[85] 2012-03-09
[86] 2011-06-03 (PCT/EP2011/059180)
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[54] **METHOD AND COMPOSITION TO PREVENT FLUID MIXING IN PIPE**

[54] **PROCEDE ET COMPOSITION POUR EMPECHER UN MELANGE DE FLUIDES DANS UN TUYAU**

[72] DACCORD, GERARD, FR

[73] SCHLUMBERGER CANADA LIMITED, CA

[85] 2012-03-26

[86] 2010-09-23 (PCT/EP2010/005837)

[87] (WO2011/038861)

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[25] EN

[54] **MONITORING A SUPPORTING AND PROPULSION MEANS OF AN ELEVATOR SYSTEM**

[54] **SURVEILLANCE D'UN MOYEN DE SUPPORT ET D'ENTRAINEMENT D'UN SYSTEME D'ASCENSEUR**

[72] BERNER, OLIVER, CH

[72] ANNEN, MIRCO, CH

[73] INVENTIO AG, CH

[85] 2012-04-24

[86] 2010-12-10 (PCT/EP2010/069409)

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[13] C

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[54] **HEALTH CARE INCIDENT PREDICTION**

[54] **PREDICTION D'INCIDENT CONCERNANT LES SOINS DE SANTE**

[72] SMITH, MIKE, CA

[72] MALAVIYA, SANJAY, CA

[73] RADICALOGIC TECHNOLOGIES, INC. DBA RL SOLUTIONS, CA

[86] (2779325)

[87] (2779325)

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[13] C

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[25] EN

[54] **SOLID CONE NOZZLE**

[54] **BUSE A JET CONIQUE PLEIN**

[72] SCHNEIDER, MATTHIAS, DE

[73] LECHLER GMBH, DE

[86] (2779844)

[87] (2779844)

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[30] DE (10 2011 078 508.6) 2011-07-01

[11] **2,781,207**
[13] C

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[54] **MEDICAL DEVICE CONNECTOR**

[54] **RACCORD DE DISPOSITIF MEDICAL**

[72] NORD, LARS, SE

[72] CEDERSCHIOLD, ALEXANDER, SE

[73] CARMEL PHARMA AB, SE

[85] 2012-05-17

[86] 2009-11-20 (PCT/EP2009/065561)

[87] (WO2011/060828)

[11] **2,781,820**
[13] C

[51] **Int.Cl. A61K 31/138 (2006.01) A61K 31/728 (2006.01) A61K 45/06 (2006.01) A61P 1/02 (2006.01)**

[25] EN

[54] **COMBINATION FOR THE TREATMENT OF RADIATION- OR CHEMOTHERAPY-INDUCED MUCOSITIS**

[54] **COMBINAISON POUR LE TRAITEMENT D'UNE INFLAMMATION DE MUQUEUSE INDUITE PAR RAYONNEMENT OU CHIMIOETHERAPIE**

[72] DIOGUARDI, FRANCESCO SAVERIO, IT

[72] CONTI, FRANCO (DECEASED), IT

[73] PROFESSIONAL DIETETICS S.R.L., IT

[85] 2012-05-24

[86] 2010-11-25 (PCT/EP2010/068216)

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[30] IT (MI 2009 A 002080) 2009-11-26

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[13] C

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[25] EN

[54] **A METHOD FOR DETECTING THE LANDING QUALITY OF AN AIRCRAFT**

[54] **METHODE DE DETECTION DE LA QUALITE D'ATTERRISSAGE D'UN AERONEF**

[72] DING, HUIFENG, CN

[72] WU, JIAJU, CN

[72] WU, YUBIN, CN

[72] ZHU, YI, CN

[72] TANG, MINJIE, CN

[72] HUANG, ZHIPING, CN

[72] CHEN, LEI, CN

[72] YUAN, JIANG, CN

[73] AIR CHINA LIMITED, CN

[86] (2783912)

[87] (2783912)

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[30] CN (201110211882.2) 2011-07-27

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[13] C

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[25] EN

[54] **APPARATUS AND METHOD FOR ADIABATIC METHANE CONVERSION**

[54] **APPAREIL ET PROCEDE DE CONVERSION ADIABATIQUE DE METHANE**

[72] QUINTERO, RUBEN DARIO RODRIGUEZ, GB

[72] DIAZ, ERNESTO MANUEL SANTANA, GB

[72] BANISTER, JAMES ANDREW, GB

[73] GAS VENTURES (UK) LIMITED, GB

[85] 2012-07-05

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[25] EN
[54] **MULTIVARIATE RESIDUAL-BASED HEALTH INDEX FOR HUMAN HEALTH MONITORING**
[54] **INDICATEUR SANITAIRE BASE SUR DES RESIDUELS A VARIABLES MULTIPLES POUR LA SURVEILLANCE DE LA SANTE D'UN ETRE HUMAIN**
[72] WEGERICH, STEPHAN W., US
[73] PHYSIQ INC., US
[85] 2012-07-13
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[87] (WO2011/087927)
[30] US (61/295,072) 2010-01-14

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[13] C

[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AGGREGATION AND ASSOCIATION OF PROFESSIONAL AFFILIATION DATA WITH COMMERCIAL DATA CONTENT**
[54] **SYSTEME ET PROCEDE D'AGREGATION ET D'ASSOCIATION DE DONNEES D'AFFILIATION PROFESSIONNELLE AVEC DU CONTENU DE DONNEES COMMERCIALES**
[72] DEKKER, BETHANY, US
[72] NICODEMO, JOHN, US
[72] ROUNDS, KIM, US
[72] SCRIFFIGNANO, ANTHONY, US
[72] HARA, KARMA, US
[72] KLEIN, MICHAEL, US
[72] HANUSCHAK, DAVID, US
[73] DUN AND BRADSTREET CORPORATION, US
[85] 2012-07-18
[86] 2011-01-28 (PCT/US2011/023069)
[87] (WO2011/094647)
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[11] **2,787,901**
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[25] EN
[54] **OXIDATION SYSTEM WITH SIDEDRAW SECONDARY REACTOR**
[54] **SYSTEME D'OXYDATION A REACTEUR SECONDAIRE A SOUTIRAGE LATERAL**
[72] SHAIKH, ASHFAQ, US
[72] WONDERS, ALAN GEORGE, US
[73] GRUPO PETROTEMEX, S.A. DE C.V., MX
[85] 2012-07-23
[86] 2010-12-09 (PCT/US2010/059644)
[87] (WO2011/093950)
[30] US (61/299,455) 2010-01-29
[30] US (61/299,453) 2010-01-29
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[30] US (12/957,733) 2010-12-01

[11] **2,788,330**
[13] C

[51] **Int.Cl. G06F 17/20 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING A VALIDATION TOOL**
[54] **SYSTEMES ET PROCEDES POUR CONSTITUER UN OUTIL DE VALIDATION**
[72] MEHRA, GAURAV, US
[72] DALESSIO, JOHN ALEXANDER, US
[72] MILLER, MOLLY, US
[72] MANCHESTER, ALISON, US
[72] KORNOWSKI, JOSEPH, US
[73] LEXISNEXIS, A DIVISION OF REED ELSEVIER INC., US
[85] 2012-07-26
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[87] (WO2011/094554)
[30] US (61/299,831) 2010-01-29

[11] **2,788,559**
[13] C

[51] **Int.Cl. B66D 1/36 (2006.01) B66D 1/12 (2006.01) B66D 3/26 (2006.01)**
[25] EN
[54] **WINDLASS SYSTEM AND METHOD**
[54] **SYSTEME DE GUINDEAU ET PROCEDE ASSOCIE**
[72] SMITH, FREDERICK L., US
[73] SMITH, FREDERICK L., US
[85] 2012-07-30
[86] 2011-02-04 (PCT/US2011/000209)
[87] (WO2011/097030)
[30] US (12/700,973) 2010-02-05

[11] **2,789,553**
[13] C

[51] **Int.Cl. A61H 37/00 (2006.01)**
[25] EN
[54] **SUPPORT DEVICE FOR A SKIN TREATMENT ASSEMBLY**
[54] **DISPOSITIF DE SUPPORT POUR UN ENSEMBLE DE TRAITEMENT CUTANE**
[72] GODAYOL MARTI, ANTONI, ES
[72] SALO DARDER, JORDI, ES
[73] MC HEALTH TECH, S.L., ES
[85] 2012-08-10
[86] 2011-02-16 (PCT/EP2011/052314)
[87] (WO2011/101388)
[30] EP (10154302.3) 2010-02-22

[11] **2,791,224**
[13] C

[51] **Int.Cl. A47G 23/06 (2006.01)**
[25] EN
[54] **TRAY AND DEVICE FOR STABILISING A TRAY**
[54] **PLATEAU ET DISPOSITIF PERMETTANT DE STABILISER UN PLATEAU**
[72] GRIEVE, ALISON, GB
[73] SAFETRAY PRODUCTS LIMITED, DE
[85] 2012-08-27
[86] 2011-03-01 (PCT/GB2011/050402)
[87] (WO2011/107786)
[30] GB (1003446.0) 2010-03-02

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[25] EN

[54] **METHOD FOR RECYCLING SHEET MATERIAL COATED WITH A RELEASE AGENT AND USES OF THE THUS RECYCLED MATERIAL**

[54] **PROCEDE DE RECYCLAGE D'UNE FEUILLE ENDUITE D'UN AGENT ANTI-ADHERENT ET UTILISATIONS DE CE MATERIAU RECYCLE**

[72] VAN POTTELBERGH, ERIC, BE
[72] VERHASSELT, BART, BE
[73] RECOLINER BVBA, BE
[85] 2012-08-29
[86] 2011-03-01 (PCT/EP2011/053028)
[87] (WO2011/107476)
[30] EP (10155219.8) 2010-03-02
[30] EP (10161522.7) 2010-04-29

[11] **2,791,819**
[13] C

[51] **Int.Cl. C10J 3/76 (2006.01) C10J 3/52 (2006.01)**

[25] EN

[54] **WATER DISTRIBUTION SYSTEM IN A GASIFICATION REACTOR**

[54] **SYSTEME DE DISTRIBUTION D'EAU DANS UN REACTEUR DE GAZEIFICATION**

[72] KOWOLL, JOHANNES, DE
[73] THYSSENKRUPP UHDE GMBH, DE
[85] 2012-08-31
[86] 2011-02-23 (PCT/EP2011/000863)
[87] (WO2011/107228)
[30] DE (10 2010 009 721.7) 2010-03-01

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[54] **ATTENUATING ELEMENT.**

[54] **ELEMENT ATTENUATEUR**

[72] HILL, HANS, NL
[73] HILL, HANS, NL
[85] 2012-09-05
[86] 2011-03-04 (PCT/NL2011/050153)
[87] (WO2011/108931)
[30] NL (2004345) 2010-03-05

[11] **2,792,944**
[13] C

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[25] EN

[54] **STABLE AND AQUEOUS COMPOSITIONS OF POLYVINYLAMINES WITH CATIONIC STARCH, AND UTILITY FOR PAPERMAKING**

[54] **COMPOSITIONS AQUEUSES STABLES DE POLYVINYLAMINES A AMIDON CATIONIQUE, ET INSTALLATION DE FABRICATION DE PAPIER**

[72] SUTMAN, FRANK J., US
[72] DILKUS, CHRISTOPHER P., US
[72] GU, QU-MING, US
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
[85] 2012-09-12
[86] 2011-04-07 (PCT/US2011/031561)
[87] (WO2011/127268)
[30] US (61/321,639) 2010-04-07

[11] **2,793,392**
[13] C

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[25] EN

[54] **PYRIDINE AND PYRAZINE DERIVATIVES AS CFTR ACTIVITY MODULATORS**

[54] **DERIVES DE PYRIDINE ET DE PYRAZINE COMME MODULATEURS D'ACTIVITE CFTR**

[72] BAETTIG, URS, GB
[72] BALA, KAMLESH JAGDIS, GB
[72] BUDD, EMMA, GB
[72] EDWARDS, LEE, GB
[72] HOWSHAM, CATHERINE, GB
[72] HUGHES, GLYN, GB
[72] LEGRAND, DARREN MARK, GB
[72] SPIEGEL, KATRIN, GB
[73] NOVARTIS AG, CH
[85] 2012-09-17
[86] 2011-03-17 (PCT/EP2011/054038)
[87] (WO2011/113894)
[30] US (61/315,509) 2010-03-19
[30] US (61/441,853) 2011-02-11

[11] **2,793,541**
[13] C

[51] **Int.Cl. C09D 171/00 (2006.01) B32B 15/08 (2006.01) C09D 5/00 (2006.01) C09D 171/12 (2006.01)**

[25] EN

[54] **COATING COMPOSITIONS FOR PACKAGING ARTICLES AND METHODS OF COATING**

[54] **COMPOSITIONS DE REVETEMENT POUR DES ARTICLES D'EMBALLAGE ET PROCEDES DE REVETEMENT**

[72] EVANS, RICHARD H., US
[72] NIEDERST, JEFFREY, US
[72] O'BRIEN, ROBERT M., US
[72] PROUVOST, BENOIT, FR
[72] ROMAGNOLI, KEVIN, US
[72] SCHUTTE, GRANT, US
[72] STENSON, PAUL, CH
[72] VAN KUREN, TOM, US
[73] SWIMC LLC, US
[85] 2012-09-17
[86] 2011-04-15 (PCT/US2011/032738)
[87] (WO2011/130671)
[30] US (61/324,997) 2010-04-16
[30] US (61/333,133) 2010-05-10

[11] **2,794,710**
[13] C

[51] **Int.Cl. G01N 33/531 (2006.01) C07K 14/20 (2006.01) G01N 33/53 (2006.01) G01N 33/545 (2006.01) G01N 33/571 (2006.01)**

[25] EN

[54] **REAGENT FOR ASSAYING ANTI-TREPONEMA PALLIDUM ANTIBODY**

[54] **REACTIF DE TEST D'UN ANTICORPS ANTI-TREPONEMA PALLIDUM**

[72] HARA, YASUYUKI, JP
[72] OTA, TETSUYA, JP
[72] KAWAMOTO, MICHIKO, JP
[72] SATO, SHINYA, JP
[72] IWAMOTO, SHIGEHISA, JP
[72] SHIMAOKA, TATSURO, JP
[72] SUDO, SHIGEO, JP
[73] SEKISUI MEDICAL CO., LTD., JP
[73] JAPAN-LAMB INC., JP
[85] 2012-09-26
[86] 2011-03-31 (PCT/JP2011/058282)
[87] (WO2011/125872)
[30] JP (2010-083822) 2010-03-31

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[11] **2,795,139**
[13] C

[51] **Int.Cl. D21H 27/00 (2006.01)**
[25] EN
[54] **FIBROUS STRUCTURE WITH ABSORBENCY, BARRIER PROTECTION AND LOTION RELEASE**

[54] **STRUCTURE FIBREUSE A ABSORPTION, BARRIERE DE PROTECTION ET LIBERATION DE LOTION**

[72] BRENNAN, JONATHAN PAUL, US
[72] BARNHOLTZ, STEVEN LEE, US
[72] OSBORNE, JEFFREY LEN, US
[72] SNYDER, PAMELA MARIE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2012-10-01
[86] 2011-03-31 (PCT/US2011/030624)
[87] (WO2011/123584)
[30] US (61/319,325) 2010-03-31

[11] **2,795,195**
[13] C

[51] **Int.Cl. B01F 17/08 (2006.01) A61K 9/107 (2006.01) A61K 31/202 (2006.01)**
[25] EN
[54] **THERMALLY STABLE OIL-IN-WATER EMULSIONS CONTAINING AN OIL THAT CONTAINS POLYUNSATURATED FATTY ACIDS**

[54] **EMULSIONS D'HUILE-DANS-L'EAU THERMIQUEMENT STABLES CONTENANT UNE HUILE QUI CONTIENT DES ACIDES GRAS POLYINSATURES**

[72] MAI, JIMBIN, US
[72] NEEDHAM, MICAH, US
[72] SU, GANG, US
[72] WANG-NOLAN, WEI, US
[72] HSU, CHIA-PING CHARLES, US
[73] DSM IP ASSETS B.V., NL
[85] 2012-10-01
[86] 2011-04-06 (PCT/US2011/031410)
[87] (WO2011/127163)
[30] US (61/322,747) 2010-04-09
[30] US (61/350,410) 2010-06-01

[11] **2,795,929**
[13] C

[51] **Int.Cl. E05D 3/02 (2006.01) E05D 7/00 (2006.01)**
[25] EN
[54] **HINGE ASSEMBLY FOR A FRAME STRUCTURE**

[54] **ENSEMBLE CHARNIERE POUR UNE STRUCTURE DE CADRE**

[72] OETLINGER, FRANK E., US
[73] BLANKING SYSTEMS, INC., US
[85] 2012-10-09
[86] 2011-04-14 (PCT/US2011/032411)
[87] (WO2011/136934)
[30] US (61/327,925) 2010-04-26
[30] US (13/086,619) 2011-04-14

[11] **2,797,422**
[13] C

[51] **Int.Cl. H04W 36/08 (2009.01) H04W 36/32 (2009.01) H04W 36/38 (2009.01) H04W 92/20 (2009.01)**
[25] EN
[54] **A HANDOVER METHOD AND APPARATUS IN A MOBILE COMMUNICATION SYSTEM**

[54] **PROCEDE ET APPAREIL DE TRANSFERT DANS UN SYSTEME DE COMMUNICATION MOBILE**

[72] XU, LIXIANG, CN
[72] WANG, HONG, CN
[72] LIANG, HUARUI, CN
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2012-10-24
[86] 2011-04-26 (PCT/KR2011/003016)
[87] (WO2011/136534)
[30] CN (201010159953.4) 2010-04-28
[30] CN (201010168721.5) 2010-04-29

[11] **2,797,632**
[13] C

[51] **Int.Cl. G01F 23/26 (2006.01) B22D 2/00 (2006.01) G01F 23/24 (2006.01) G01N 27/02 (2006.01) G01N 33/20 (2006.01)**
[25] EN
[54] **MEASUREMENTS IN METALLURGICAL VESSELS**

[54] **MESURES DANS DES CUVES METALLURGIQUES**

[72] ROEDFALK, ALBERT, SE
[72] NILSSON, JAN-PETER, SE
[72] BLOEMER, PATRIK, SE
[72] LYONS, ANTHONY, GB
[73] AGELLIS GROUP AB, SE
[85] 2012-10-26
[86] 2011-04-27 (PCT/SE2011/050512)
[87] (WO2011/136729)
[30] SE (1000437-2) 2010-04-30
[30] US (61/282,975) 2010-05-03

[11] **2,797,748**
[13] C

[51] **Int.Cl. C07C 5/27 (2006.01) C07C 1/24 (2006.01) C07C 11/08 (2006.01) C07C 11/09 (2006.01)**
[25] FR
[54] **PROCESS FOR DEHYDRATION AND ISOMERIZATION OF C4 ALCOHOLS USING AN AMORPHOUS SOLID WITH SUITABLE POROSITY**

[54] **PROCEDE DE DESHYDRATATION ET D'ISOMERISATION D'ALCOOLS EN C4 UTILISANT UN SOLIDE AMORPHE A POROSITE ADAPTEE**

[72] COUPARD, VINCENT, FR
[72] MAURY, SYLVIE, FR
[72] SURLA, KARINE, FR
[73] IFP ENERGIES NOUVELLES, FR
[85] 2012-10-26
[86] 2011-05-27 (PCT/FR2011/000316)
[87] (WO2011/154621)
[30] FR (1002469) 2010-06-11

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[11] **2,797,765**
[13] C

[51] **Int.Cl. B66B 19/00 (2006.01) B66B 7/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR INSTALLING AN ELEVATOR IN AN ELEVATOR SHAFT**
[54] **PROCEDE ET DISPOSITIF D'INSTALLATION D'UN ASCENSEUR DANS UNE CAGE D'ASCENSEUR**
[72] MENCHINI, STEFANO, CH
[73] INVENTIO AG, CH
[85] 2012-10-29
[86] 2011-04-08 (PCT/EP2011/055561)
[87] (WO2011/134773)
[30] EP (10161633.2) 2010-04-30

[11] **2,797,942**
[13] C

[51] **Int.Cl. F16K 5/06 (2006.01)**
[25] EN
[54] **SLEEVE SEAL ASSEMBLY AND ROTARY VALVE HAVING SLEEVE SEAL ASSEMBLY**
[54] **ENSEMBLE JOINT A MANCHON ET VANNE ROTATIVE POSSEDANT UN ENSEMBLE JOINT A MANCHON**
[72] COLLISON, RANDALL S., US
[72] BOVEE, LOREN L., US
[72] PROBASCO, TONYA, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2012-10-30
[86] 2011-04-15 (PCT/US2011/032636)
[87] (WO2011/136946)
[30] US (12/771,309) 2010-04-30

[11] **2,798,265**
[13] C

[51] **Int.Cl. E21D 21/00 (2006.01) F16B 7/00 (2006.01) F16B 13/00 (2006.01)**
[25] EN
[54] **ROCK BOLT AND ROCK BOLT COMPONENT**
[54] **BOULON D'ANCRAGE ET COMPOSANTE DE BOULON D'ANCRAGE**
[72] STEYN, JOHANN, ZA
[73] RSC MINING (PTY) LTD., ZA
[86] (2798265)
[87] (2798265)
[22] 2012-12-06
[30] ZA (2011/09056) 2011-12-09

[11] **2,799,203**
[13] C

[51] **Int.Cl. C07C 211/41 (2006.01) A61K 31/13 (2006.01) A61P 9/12 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **NICOTINIC RECEPTOR NON-COMPETITIVE ANTAGONISTS**
[54] **RECEPTEURS NICOTINIQUES UTILES COMME ANTAGONISTES NON COMPETITIFS**
[72] AKIREDDY, SRINIVASA RAO, US
[72] BHATTI, BALWINDER SINGH, US
[72] HEEMSTRA, RONALD JOSEPH, US
[72] MELVIN, MATT S., US
[72] SPEAKE, JASON, US
[72] XIAO, YUNDE, US
[72] YOHANNES, DANIEL, US
[73] TARGACEPT, INC., US
[85] 2012-11-09
[86] 2011-05-24 (PCT/US2011/037630)
[87] (WO2011/149859)
[30] US (61/349,027) 2010-05-27
[30] US (61/375,606) 2010-08-20

[11] **2,801,026**
[13] C

[51] **Int.Cl. F16K 31/126 (2006.01) F16K 24/02 (2006.01)**
[25] EN
[54] **CONTROL VALVE PRESSURE BLEED INSPECTION PORT**
[54] **ORIFICE D'INSPECTION DE PURGE DE PRESSION DANS UNE VALVE DE REGLAGE**
[72] WEARS, WILLIAM EVERETT, US
[73] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2012-11-28
[86] 2011-05-25 (PCT/US2011/037971)
[87] (WO2011/150106)
[30] US (61/349,592) 2010-05-28

[11] **2,802,327**
[13] C

[51] **Int.Cl. D04B 9/44 (2006.01) F16L 11/08 (2006.01)**
[25] EN
[54] **FLEXIBLE HOSE STRUCTURE WITH AN INTERLACED REINFORCEMENT**
[54] **STRUCTURE DE TUYAU FLEXIBLE DOTE D'UN RENFORT ENTRELACE**
[72] MEZZALIRA, ALESSANDRO, IT
[72] NELTI, GIANNI, IT
[73] FITT S.P.A., IT
[85] 2012-12-11
[86] 2011-07-18 (PCT/IB2011/053197)
[87] (WO2012/014122)
[30] IT (VI2010A000217) 2010-07-30

[11] **2,802,445**
[13] C

[51] **Int.Cl. G01S 19/49 (2010.01) G01S 19/33 (2010.01)**
[25] EN
[54] **MOVING PLATFORM INS RANGE CORRECTOR (MPIRC)**
[54] **CORRECTEUR DE PORTEE D'INS DE PLATEFORME MOBILE (MPIRC)**
[72] GEORGY, JACQUES, CA
[72] SYED, ZAINAB, CA
[72] GOODALL, CHRIS, CA
[72] EL-SHEIMY, NASER, CA
[72] NOURELDIN, ABOELMAGD, CA
[73] TRUSTED POSITIONING INC., CA
[85] 2012-12-12
[86] 2011-06-27 (PCT/CA2011/000743)
[87] (WO2011/160213)
[30] US (61/358,531) 2010-06-25

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[11] **2,803,155**
[13] C

[51] **Int.Cl. E01C 19/20 (2006.01) A01B 45/00 (2006.01) E01C 13/08 (2006.01) E01C 23/06 (2006.01)**

[25] FR

[54] **DEVICE FOR INCORPORATING AND DISTRIBUTING SAND AND AGGREGATE IN SYNTHETIC GRASS**

[54] **DISPOSITIF DESTINE A L'EPANDAGE DE SABLE ET DE GRANULATS SUR UN GAZON SYNTHETIQUE**

[72] CUADRADO, JEAN-CLAUDE, FR

[73] CUADRADO, JEAN-CLAUDE, FR

[85] 2012-12-18

[86] 2011-07-26 (PCT/FR2011/000445)

[87] (WO2012/022855)

[30] FR (1003138) 2010-07-27

[11] **2,805,489**
[13] C

[51] **Int.Cl. C10G 29/20 (2006.01) C07C 7/152 (2006.01) C07C 7/20 (2006.01)**

[25] EN

[54] **USE OF ALPHA-AMINO ETHERS FOR THE REMOVAL OF MERCAPTANS FROM HYDROCARBONS**

[54] **UTILISATION D'ALPHA-AMINO ETHERS POUR ELIMINER DES MERCAPTANS CONTENUS DANS DES HYDROCARBURES**

[72] COMPTON, DENNIS R., US

[73] NALCO COMPANY, US

[85] 2013-01-14

[86] 2011-07-13 (PCT/US2011/043778)

[87] (WO2012/009390)

[30] US (12/835,881) 2010-07-14

[11] **2,806,032**
[13] C

[51] **Int.Cl. C25C 3/22 (2006.01) B08B 15/00 (2006.01) F16K 1/22 (2006.01)**

[25] FR

[54] **INSTALLATION FOR COLLECTING GASES FROM A PLURALITY OF ELECTROLYSIS CELLS AND ADJUSTMENT DEVICE FOR SUCH AN INSTALLATION**

[54] **INSTALLATION POUR LA COLLECTE DES GAZ D'UNE PLURALITE DE CUVES D'ELECTROLYSE ET DISPOSITIF D'AJUSTEMENT POUR UNE TELLE INSTALLATION**

[72] MALARD, THIERRY, FR

[72] DE GROMARD, ANTOINE, FR

[72] LIM, CHIN, FR

[73] FIVE SOLIOS, FR

[85] 2013-01-18

[86] 2011-07-19 (PCT/FR2011/051738)

[87] (WO2012/017165)

[30] FR (10 56505) 2010-08-06

[11] **2,808,041**
[13] C

[51] **Int.Cl. F22G 5/16 (2006.01)**

[25] EN

[54] **DESUPERHEATERS HAVING VORTEX SUPPRESSION**

[54] **DESURCHAUFFEURS AVEC SUPPRESSION DU TOURBILLON**

[72] GEELHART, THEODORE PAUL, US

[72] BRETT, JOHN GRAHAM, US

[72] GOODWIN, JUSTIN PAUL, US

[72] DOYLE, JESSE CREIGHTON, US

[73] FISHER CONTROLS INTERNATIONAL LLC, US

[85] 2013-01-17

[86] 2011-06-17 (PCT/US2011/040902)

[87] (WO2012/012062)

[30] US (12/840,036) 2010-07-20

[11] **2,808,216**
[13] C

[51] **Int.Cl. F42B 14/06 (2006.01)**

[25] EN

[54] **PROJECTILE HAVING A DISCARDABLE SABOT**

[54] **PROJECTILE A SABOT EJECTABLE**

[72] ROSSMANN, RUDOLF, CH

[72] KETELHUT, KAI, CH

[72] BLACHE, ANDREAS, DE

[73] RWM SCHWEIZ AG, CH

[73] RHEINMETALL WAFFE MUNITION GMBH, DE

[85] 2013-02-13

[86] 2011-08-19 (PCT/EP2011/004185)

[87] (WO2012/034631)

[30] DE (10 2010 045 474.5) 2010-09-16

[11] **2,811,461**
[13] C

[51] **Int.Cl. H04L 25/02 (2006.01) H04W 24/00 (2009.01) H04L 27/22 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR GENERATING A METRIC FOR USE IN ONE OR MORE OF LOCK DETECTION, SNR ESTIMATION, AND MODULATION CLASSIFICATION**

[54] **PROCEDE ET APPAREIL POUR GENERER UN PARAMETRE DE MESURE DESTINE A ETRE UTILISE DANS LA DETECTION DE L'ASSERVISSEMENT ET/OU L'ESTIMATION DU SNR ET/OU LA CLASSIFICATION DE MODULATIONS**

[72] LINN, YAIR, CA

[73] LINN-MAHLER HOLDINGS INC., CA

[85] 2013-03-15

[86] 2011-11-01 (PCT/CA2011/001220)

[87] (WO2012/058759)

[30] US (61/409,544) 2010-11-03

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[11] **2,811,526**
[13] C

[51] **Int.Cl. A61K 9/113 (2006.01) A61K 9/107 (2006.01) A61K 31/728 (2006.01)**

[25] EN

[54] **NON-AQUEOUS OILY INJECTABLE FORMULATION EXHIBITING PRESERVATIVE EFFICACY**

[54] **FORMULATION INJECTABLE HUILEUSE NON AQUEUSE PRESENTANT UNE EFFICACITE DE CONSERVATION**

[72] SO, JIN EON, KR
[72] YEO, DONG JUN, KR
[72] JANG, YOON-SEON, KR
[73] LG LIFE SCIENCES, LTD., KR
[85] 2013-03-15
[86] 2011-09-09 (PCT/KR2011/006707)
[87] (WO2012/036430)
[30] KR (10-2010-0091036) 2010-09-16

[11] **2,812,234**
[13] C

[51] **Int.Cl. B65D 1/22 (2006.01) A47G 23/06 (2006.01) A47J 47/02 (2006.01) B65D 1/40 (2006.01)**

[25] EN

[54] **FOOD PAN HAVING CORNER STRUCTURE**

[54] **PLAT A ALIMENTS AYANT UNE STRUCTURE DE COIN**

[72] TOSDALE, DAVID R., US
[72] MAYER, THERESA M., US
[72] MCGETTRICK, RONALD J., US
[73] THE VOLLRATH COMPANY, L.L.C., US
[85] 2013-03-21
[86] 2011-09-14 (PCT/US2011/051588)
[87] (WO2012/047466)
[30] US (12/892,657) 2010-09-28

[11] **2,813,569**
[13] C

[51] **Int.Cl. F01D 21/04 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F04D 29/056 (2006.01)**

[25] FR

[54] **CONNECTING MODULE BETWEEN A DRIVE SHAFT OF AN ENGINE FAN AND A ROLLING ELEMENT BEARING**

[54] **BOITIER DE LIAISON ENTRE UN ARBRE D'ENTRAINEMENT DE SOUFFLANTE DE MOTEUR ET UN PALIER DE ROULEMENT**

[72] ANTUNES, SERGE LOUIS, FR
[72] MOULY, FRANCOIS, FR
[73] SNECMA, FR
[85] 2013-04-03
[86] 2011-10-12 (PCT/FR2011/052378)
[87] (WO2012/049422)
[30] FR (10 58350) 2010-10-13

[11] **2,814,807**
[13] C

[51] **Int.Cl. A61F 5/055 (2006.01) A41D 13/05 (2006.01)**

[25] EN

[54] **DYNAMICALLY REACTIVE SPINAL SUPPORT SYSTEM**

[54] **SYSTEME DE SUPPORT SPINAL DYNAMIQUEMENT REACTIF**

[72] JENKINS, ARTHUR L., III, US
[73] PEMAQUID HOLDINGS LLC, US
[85] 2013-04-15
[86] 2010-11-02 (PCT/US2010/055043)
[87] (WO2011/056765)
[30] US (61/257,793) 2009-11-03

[11] **2,819,388**
[13] C

[51] **Int.Cl. F23D 11/24 (2006.01) F23R 3/28 (2006.01) F23R 3/50 (2006.01)**

[25] FR

[54] **INJECTION DEVICE FOR A TURBO MACHINE COMBUSTION CHAMBER**

[54] **DISPOSITIF D'INJECTION POUR UNE CHAMBRE DE COMBUSTION DE TURBOMACHINE**

[72] CORTES, THIERRY, FR
[72] CAMERIANO, LAURENT BERNARD, FR
[73] SNECMA, FR
[85] 2013-05-30
[86] 2012-01-25 (PCT/FR2012/050160)
[87] (WO2012/104523)
[30] FR (1150731) 2011-01-31

[11] **2,823,571**
[13] C

[51] **Int.Cl. G16H 10/60 (2018.01) G16H 70/20 (2018.01)**

[25] EN

[54] **CLINICAL QUALITY ANALYTICS SYSTEM**

[54] **SYSTEME D'ANALYSE DE LA QUALITE CLINIQUE**

[72] GAINES, DANIEL ADAM, US
[72] KNICKREHM, MARK A., US
[72] WEBB, KENNETH, US
[72] BYL, LEILEI, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[85] 2013-06-28
[86] 2011-12-30 (PCT/US2011/068177)
[87] (WO2012/092589)
[30] US (61/428,636) 2010-12-30

[11] **2,824,374**
[13] C

[51] **Int.Cl. D03D 25/00 (2006.01)**

[25] FR

[54] **WOVEN MULTILAYER FIBROUS STRUCTURE WITH A HOLLOW TUBULAR PART, FABRICATION PROCESS AND COMPOSITE PART CONTAINING IT**

[54] **STRUCTURE FIBREUSE TISSEE MULTICOUCHES AYANT UNE PARTIE TUBULAIRE CREUSE, PROCEDE DE FABRICATION ET PIECE COMPOSITE LA COMPORTANT**

[72] GODON, THIERRY, FR
[72] DAMBRINE, BRUNO JACQUES GERARD, FR
[73] SNECMA, FR
[85] 2013-07-10
[86] 2012-01-13 (PCT/FR2012/050087)
[87] (WO2012/098327)
[30] FR (1150499) 2011-01-21

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[11] **2,824,614**
[13] C

[51] **Int.Cl. F22B 37/20 (2006.01) F28F 9/013 (2006.01)**
[25] EN
[54] **ANTI-VIBRATION TUBE SUPPORT PLATE ARRANGEMENT FOR STEAM GENERATORS**
[54] **CONFIGURATION ANTI-VIBRATIONS DE PLAQUES PORTE-TUBES POUR GENERATEURS DE VAPEUR**
[72] WEPFER, ROBERT M., US
[72] PRABHU, PADMANABHA J., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2013-06-25
[86] 2011-12-13 (PCT/US2011/064517)
[87] (WO2012/091912)
[30] US (12/980,418) 2010-12-29

[11] **2,825,025**
[13] C

[51] **Int.Cl. B65D 63/10 (2006.01) B29D 29/00 (2006.01) B65D 65/46 (2006.01)**
[25] EN
[54] **STRAPS PRODUCED FROM RENEWABLE RAW MATERIALS**
[54] **BANDES DE CERCLAGE PRODUITE A PARTIR DE MATIERES PREMIERES RENOUVELABLES**
[72] EBERLE, ULRICH, DE
[73] MOSCA GMBH, DE
[85] 2013-07-17
[86] 2012-02-03 (PCT/EP2012/051844)
[87] (WO2012/104409)
[30] EP (11153390.7) 2011-02-04

[11] **2,827,717**
[13] C

[51] **Int.Cl. F41H 1/02 (2006.01)**
[25] FR
[54] **BALLISTIC PROTECTION GARMENT**
[54] **VETEMENT DE PROTECTION BALISTIQUE**
[72] TIRARD, FRANCK, FR
[73] SAGEM DEFENSE SECURITE, FR
[85] 2013-08-19
[86] 2012-02-22 (PCT/EP2012/053020)
[87] (WO2012/113837)
[30] FR (1151428) 2011-02-22

[11] **2,830,732**
[13] C

[51] **Int.Cl. E04B 9/00 (2006.01) E04B 9/04 (2006.01)**
[25] EN
[54] **CORRUGATED ACOUSTICAL PANEL AND PRODUCTION METHOD**
[54] **PANNEAU ACOUSTIQUE ONDULE ET SON PROCEDE DE FABRICATION**
[72] ENGLERT, MARK, US
[72] YU, QING C., US
[73] USG INTERIORS, LLC, US
[85] 2013-09-19
[86] 2012-03-19 (PCT/US2012/029616)
[87] (WO2012/138466)
[30] US (13/079,233) 2011-04-04

[11] **2,832,359**
[13] C

[51] **Int.Cl. G06Q 20/38 (2012.01)**
[25] EN
[54] **FINANCIAL TRANSACTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE TRANSACTION FINANCIERE**
[72] SMYTHE, RICHARD STANLEY, AU
[73] MY LIFE IT (AUST) PTY LTD, AU
[85] 2013-10-04
[86] 2012-03-30 (PCT/AU2012/000327)
[87] (WO2012/135892)
[30] AU (2011901257) 2011-04-05

[11] **2,836,930**
[13] C

[51] **Int.Cl. A47C 7/70 (2006.01)**
[25] EN
[54] **CHAIR HAVING MOVEABLE TABLET**
[54] **CHAISE DOTEE D'UNE TABLETTE MOBILE**
[72] VAN HEKKEN, HENDRIK R., US
[73] KNOLL, INC., US
[85] 2013-11-20
[86] 2012-05-24 (PCT/US2012/039238)
[87] (WO2012/166486)
[30] US (61/493,179) 2011-06-03
[30] US (13/478,565) 2012-05-23

[11] **2,841,310**
[13] C

[51] **Int.Cl. A61K 33/14 (2006.01) A61K 31/19 (2006.01) A61K 31/4402 (2006.01) A61K 31/7004 (2006.01) A61K 33/00 (2006.01) A61K 33/06 (2006.01) A61P 1/10 (2006.01)**
[25] EN
[54] **ELECTROLYTE PURGATIVE**
[54] **PURGATIF ELECTROLYTIQUE**
[72] BORODY, THOMAS JULIUS, AU
[72] RAMRAKHA, SANJAY, AU
[72] SAXON, JOHN, AU
[72] WETTSTEIN, ANTONY, AU
[73] SALIX PHARMACEUTICALS, INC., US
[86] (2841310)
[87] (2841310)
[22] 2003-03-04
[62] 2,478,135
[30] AU (PS 0887) 2002-03-04

[11] **2,843,363**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) H04L 12/26 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **NETWORK DEVICE FOR PROTOCOL ALIGNMENT THROUGH RECURSIVE, TIME SENSITIVE EVENT-BASED MATCHING**
[54] **DISPOSITIF DE RESEAU POUR ALIGNEMENT DE PROTOCOLE PAR LE BIAIS D'UNE CORRESPONDANCE FONDEE SUR UN EVENEMENT SENSIBLE AU TEMPS ET RECURRENT**
[72] CARROLL, DENNIS, US
[72] VO, ANH-HOANG, US
[72] ACUNA, GERMAN, US
[72] LYNCH, CECIL O., US
[72] CREEN, ERICA, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2843363)
[87] (2843363)
[22] 2014-02-20
[30] US (13/781,397) 2013-02-28

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[11] **2,844,045**
[13] C

[51] **Int.Cl. A23C 3/00 (2006.01)**
[25] EN
[54] **MICROFILTRATION OF HUMAN MILK TO REDUCE BACTERIAL CONTAMINATION**
[54] **MICROFILTRATION DE LAIT HUMAIN POUR REDUIRE LA CONTAMINATION BACTERIENNE**
[72] FOURNELL, JOSEPH, US
[72] EAKER, SCOTT, US
[72] MONTOYA, ARMANDO, US
[73] PROLACTA BIOSCIENCE, INC., US
[85] 2014-02-03
[86] 2012-08-03 (PCT/US2012/049590)
[87] (WO2013/020081)
[30] US (61/514,673) 2011-08-03

[11] **2,844,567**
[13] C

[51] **Int.Cl. C07F 9/6571 (2006.01) C09K 21/12 (2006.01)**
[25] EN
[54] **NOVEL PHOSPHONAMIDATES - SYNTHESIS AND FLAME RETARDANT APPLICATIONS**
[54] **SYNTHESE DE NOUVEAUX PHOSPHONAMIDATES ET UTILISATION COMME IGNIFUGE**
[72] GAAN, SABYASACHI, CH
[72] NEISIUS, MATTHIAS, CH
[72] MERCOLI, PRIMO, CH
[72] LIANG, SHUYU, CH
[72] MISPREUVE, HENRI, CH
[72] NASCHER, REINOLD, LI
[73] EMPA EIDGENOSSISCHE MATERIALPRUFUNGS-UND FORSCHUNGSANSTALT, DE
[73] FRITZ NAUER AG., CH
[85] 2014-02-07
[86] 2012-08-06 (PCT/EP2012/003354)
[87] (WO2013/020696)
[30] EP (11176861.0) 2011-08-08

[11] **2,846,406**
[13] C

[51] **Int.Cl. H04N 21/258 (2011.01) H04N 21/45 (2011.01) H04N 21/472 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONSUMER CONTROL OVER INTERACTIVE TELEVISION EXPOSURE**
[54] **SYSTEMES ET PROCEDES POUR LE CONTROLE D'UN CLIENT SUR UNE EXPOSITION A UNE TELEVISION INTERACTIVE**
[72] NOLAND, MADELEINE, US
[73] RAKUTEN, INC., JP
[85] 2014-02-21
[86] 2012-09-10 (PCT/US2012/054486)
[87] (WO2013/036944)
[30] US (61/532,901) 2011-09-09

[11] **2,846,648**
[13] C

[51] **Int.Cl. E04B 9/12 (2006.01)**
[25] EN
[54] **CROSS RUNNER CONNECTOR AND MAIN RUNNER RECEIVING HOLE**
[54] **CONNECTEUR DE RAIL TRANSVERSAL ET TROU DE RECEPTION DE RAIL PRINCIPAL**
[72] UNDERKOFER, ABRAHAM M., US
[72] GULBRANDSEN, PEDER J., US
[72] PAULSEN, MARK R., US
[72] LEHANE, JAMES J., US
[73] USG INTERIORS, LLC, US
[85] 2014-02-25
[86] 2012-08-31 (PCT/US2012/053262)
[87] (WO2013/036438)
[30] US (61/532,755) 2011-09-09
[30] US (13/598,984) 2012-08-30

[11] **2,848,461**
[13] C

[51] **Int.Cl. G01B 21/22 (2006.01) B66C 13/00 (2006.01) G01B 11/26 (2006.01)**
[25] EN
[54] **CONTROL SURFACE CALIBRATION SYSTEM**
[54] **SYSTEME D'ETALONNAGE DE SURFACE DE COMMANDE**
[72] YEELES, CHRISTOPHER J., US
[73] THE BOEING COMPANY, US
[86] (2848461)
[87] (2848461)
[22] 2014-04-02
[30] US (13/918,079) 2013-06-14

[11] **2,849,511**
[13] C

[51] **Int.Cl. A61B 5/042 (2006.01)**
[25] EN
[54] **BASKET STYLE CARDIAC MAPPING CATHETER HAVING AN ATRAUMATIC, METALLIC TWO-PART DISTAL TIP FOR DETECTION OF CARDIAC RHYTHM DISORDERS**
[54] **CATHETER DE MAPPAGE CARDIAQUE DE STYLE PANIER AYANT UNE POINTE DISTALE METALLIQUE A DEUX PARTIES ATRAUMATIQUE POUR LA DETECTION DE TROUBLES DE LA FREQUENCE CARDIAQUE**
[72] KORDIS, THOMAS F., US
[72] JOHNSON, ERIC T., US
[72] BURKE, PHILLIP C., US
[72] KENT, DARRIN J., US
[72] RAGLAND, ROBERT RYAN, US
[73] TOPERA, INC., US
[86] (2849511)
[87] (2849511)
[22] 2012-03-01
[62] 2,831,087
[30] US (61/478,340) 2011-04-22
[30] US (61/555,190) 2011-11-03

[11] **2,850,968**
[13] C

[51] **Int.Cl. E05B 25/00 (2006.01) E05B 29/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR A REKEYABLE MASTER KEY LOCK**
[54] **PROCEDE ET APPAREIL POUR SERRURE A CLE MAITRESSE READAPTABLE**
[72] EMORY, MARK W., US
[73] SPECTRUM BRANDS, INC., US
[85] 2014-04-02
[86] 2012-10-09 (PCT/US2012/059312)
[87] (WO2013/055663)
[30] US (61/545,241) 2011-10-10
[30] US (13/465,276) 2012-05-07

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[25] EN

[54] **LID WITH INTEGRATED CONTAINER**

[54] **COUVERCLE A CONTENANT INTEGRE**

[72] BUCK, RONALD MARK, US

[73] BUCK, RONALD MARK, US

[85] 2014-04-24

[86] 2012-09-06 (PCT/US2012/054032)

[87] (WO2013/036692)

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[30] US (13/360,707) 2012-01-28

[11] **2,854,112**
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[51] **Int.Cl. H01H 9/20 (2006.01) H01H 3/16 (2006.01) H02B 1/26 (2006.01)**

[25] EN

[54] **LOCKOUT DEVICE FOR SWITCHGEAR**

[54] **DISPOSITIF DE VERROUILLAGE POUR APPAREILLAGE DE CONNEXION**

[72] GIEGER, JEFFREY S., US

[72] BINDICS, CHARLES, US

[73] THOMAS & BETTS INTERNATIONAL, LLC, US

[86] (2854112)

[87] (2854112)

[22] 2014-06-12

[30] US (61/835,715) 2013-06-17

[30] US (14/297,721) 2014-06-06

[11] **2,855,780**
[13] C

[51] **Int.Cl. C25B 5/00 (2006.01) H01M 8/0656 (2016.01) H01M 8/1246 (2016.01) B01D 53/00 (2006.01) B60L 11/18 (2006.01) B60S 5/02 (2006.01) B65B 1/00 (2006.01) C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01B 3/56 (2006.01) C25B 1/00 (2006.01)**

[25] EN

[54] **METHOD AND A SYSTEM FOR COMBINED HYDROGEN AND ELECTRICITY PRODUCTION USING PETROLEUM FUELS**

[54] **PROCEDE ET SYSTEME POUR UNE PRODUCTION COMBINEE D'HYDROGENE ET D'ELECTRICITE A L'AIDE DE CARBURANTS A BASE DE PETROLE**

[72] JAMAL, AQIL, SA

[72] PHAM, THANG, SA

[73] SAUDI ARABIAN OIL COMPANY, SA

[85] 2014-05-12

[86] 2012-11-19 (PCT/US2012/065907)

[87] (WO2013/078142)

[30] US (61/562,189) 2011-11-21

[11] **2,856,238**
[13] C

[51] **Int.Cl. B60C 11/11 (2006.01) B60C 11/01 (2006.01) B60C 11/04 (2006.01) B60C 11/117 (2006.01) B60C 11/13 (2006.01)**

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[54] **TIRE**

[54] **PNEUMATIQUE**

[72] KAWAKAMI, YUKI, JP

[73] BRIDGESTONE CORPORATION, JP

[85] 2014-05-16

[86] 2012-11-22 (PCT/JP2012/080370)

[87] (WO2013/077427)

[30] JP (2011-255595) 2011-11-22

[11] **2,856,767**
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[51] **Int.Cl. B07B 1/28 (2006.01) B07B 1/42 (2006.01) B07B 1/46 (2006.01)**

[25] EN

[54] **FLEXIBLE MAT SCREENING APPARATUS WITH OFFSET SUPPORTS**

[54] **APPAREIL DE CRIBLAGE A TAPIS FLEXIBLE DOTE DE SUPPORTS DECALES**

[72] LAVEINE, ANDREW T., US

[73] ACTION VIBRATORY EQUIPMENT, INC., US

[85] 2014-05-22

[86] 2012-11-19 (PCT/US2012/065891)

[87] (WO2013/078137)

[30] US (61/563,175) 2011-11-23

[30] US (13/671,385) 2012-11-07

[11] **2,857,799**
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[25] EN

[54] **BALL SCREW AND POWER STEERING APPARATUS**

[54] **VIS SPHERIQUE ET APPAREIL DE DIRECTION ASSISTEE**

[72] FUJITA, HIROSHI, JP

[72] ITO, RYOTA, JP

[73] SHOWA CORPORATION, JP

[86] (2857799)

[87] (2857799)

[22] 2014-07-25

[30] JP (2013-248334) 2013-11-29

[11] **2,861,497**
[13] C

[51] **Int.Cl. E21B 17/02 (2006.01)**

[25] EN

[54] **METHOD OF DRILLING A WELL**

[54] **PROCEDE DE FORAGE D'UN Puits**

[72] ELMBO, NIELS PETER, DK

[73] MAERSK SUPPLY SERVICE A/S, DK

[85] 2014-07-17

[86] 2013-01-18 (PCT/DK2013/050017)

[87] (WO2013/107462)

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[30] DK (PA 2012 70029) 2012-01-18

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[25] EN

[54] **MOUNTING IN HUB FOR BLADES OF A HYDRO TURBINE**

[54] **MONTAGE DANS UN MOYEU POUR PALES D'UNE TURBINE HYDRAULIQUE**

[72] MERCIER, YVES, CA

[73] ANDRITZ HYDRO CANADA INC., CA

[85] 2014-08-05

[86] 2013-02-06 (PCT/CA2013/000102)

[87] (WO2013/116927)

[30] US (61/596,872) 2012-02-09

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[25] EN

[54] **SCALABLE LASER WITH SELECTABLE DIVERGENCE**

[54] **LASER ECHELONNABLE A DIVERGENCE SELECTIONNABLE**

[72] GESKE, JONATHAN, US

[73] FLIR SYSTEMS, INC., US

[85] 2014-08-29

[86] 2013-03-13 (PCT/US2013/031071)

[87] (WO2013/148218)

[30] US (61/616,320) 2012-03-27

[30] US (13/797,470) 2013-03-12

[11] **2,869,670**
[13] C

[51] **Int.Cl. G06Q 50/00 (2012.01) H04L 12/16 (2006.01)**

[25] EN

[54] **EVALUATING CLAIMS IN A SOCIAL NETWORKING SYSTEM**

[54] **EVALUATION DE REVENDEICATIONS DANS UN SYSTEME DE RESEAU SOCIAL**

[72] LESSIN, SAMUEL, US

[72] SITTIG, AARON, US

[72] SHAFFER, JUSTIN ALEXANDER, US

[73] FACEBOOK, INC., US

[85] 2014-10-03

[86] 2013-04-10 (PCT/US2013/036048)

[87] (WO2013/162892)

[30] US (13/455,047) 2012-04-24

[11] **2,871,760**
[13] C

[51] **Int.Cl. E21B 43/295 (2006.01) E21B 43/24 (2006.01) E21B 43/38 (2006.01)**

[25] EN

[54] **PRODUCTION OF METHANE FROM ABUNDANT HYDRATE DEPOSITS**

[54] **PRODUCTION DE METHANE A PARTIR DE DEPOTS ABONDANTS D'HYDRATE**

[72] SINGHE, UPENDRA WICKREMA, US

[73] SINGHE, UPENDRA WICKREMA, US

[86] (2871760)

[87] (2871760)

[22] 2014-11-21

[11] **2,871,813**
[13] C

[51] **Int.Cl. B65D 51/24 (2006.01) B65D 51/02 (2006.01)**

[25] EN

[54] **ONE PIECE REVERSIBLE CLOSURES WITH CUSTOM REMOVABLE LINERS**

[54] **FERMETURES REVERSIBLES MONOBLOCS AVEC GARNITURES AMOVIBLES PERSONNALISEES**

[72] MICELI, DAVID A., US

[72] MICELI, JOSEPH A., US

[73] TRI STATE DISTRIBUTION, INC., US

[86] (2871813)

[87] (2871813)

[22] 2014-11-20

[30] US (14/089,832) 2013-11-26

[11] **2,872,383**
[13] C

[51] **Int.Cl. G01N 11/00 (2006.01) G01N 11/10 (2006.01) G01N 33/28 (2006.01)**

[25] EN

[54] **PROCESS FOR DETERMINING THE INCOMPATIBILITY OF MIXTURES CONTAINING HEAVY AND LIGHT CRUDES**

[54] **PROCEDE POUR DETERMINER L'INCOMPATIBILITE DE MELANGES CONTENANT DES BRUTS LEGERES ET LOURDS**

[72] AQUINO OLIVOS, MARCO ANTONIO, MX

[72] AGUIRRE GUTIERREZ, ADRIANA DE JESUS, MX

[72] MENDOZA DE LA CRUZ, JOSE LUIS, MX

[72] GARCIA FLORES, BLANCA ESTELA, MX

[72] AGUILA HERNANDEZ, JACINTO, MX

[72] RAMOS CORZO, VERONICA, MX

[72] CEDILLO RAMIREZ, JUAN CARLOS, MX

[72] ZAMARRIPA JIMENEZ, OSCAR ALEJANDRO, MX

[73] INSTITUTO MEXICANO DEL PETROLEO, MX

[86] (2872383)

[87] (2872383)

[22] 2014-11-26

[30] MX (MX/A/2013/014349) 2013-12-06

[11] **2,872,651**
[13] C

[51] **Int.Cl. B23K 9/10 (2006.01) H02M 1/42 (2007.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PROVIDING WELDING TYPE POWER USING MULTIPLE POWER MODULES**

[54] **PROCEDE ET APPAREIL DE FOURNITURE DE PUISSANCE DE TYPE SOUDAGE A L'AIDE DE MULTIPLES MODULES DE PUISSANCE**

[72] SCHATNER, QUINN W., US

[73] ILLINOIS TOOL WORKS INC., US

[85] 2014-11-04

[86] 2013-07-15 (PCT/US2013/050568)

[87] (WO2014/018300)

[30] US (61/674,772) 2012-07-23

[30] US (13/837,075) 2013-03-15

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[11] **2,879,268**
[13] C

[51] **Int.Cl. C07D 489/08 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01) A61P 25/36 (2006.01)**

[25] EN

[54] **PROCESS FOR IMPROVED OPIOID SYNTHESIS**

[54] **PROCEDE POUR AMELIORER LA SYNTHESE D'OPIOIDES**

[72] MCCARTHY, KEITH, US

[72] GIGUERE, JOSHUA R., US

[72] GEBBIE, STUART JAMES, US

[72] RIDER, LONN S., US

[73] RHODES TECHNOLOGIES, US

[85] 2015-01-15

[86] 2013-07-15 (PCT/IB2013/001538)

[87] (WO2014/013311)

[30] US (61/672,265) 2012-07-16

[30] US (61/762,657) 2013-02-08

[11] **2,884,396**
[13] C

[51] **Int.Cl. H04L 29/08 (2006.01)**

[25] EN

[54] **METHOD OF ESTABLISHING A NETWORK SOCKET WITH A DATA SERVER**

[54] **PROCEDE D'ETABLISSEMENT D'UNE INTERFACE DE CONNEXION RESEAU AVEC UN SERVEUR DE DONNEES**

[72] ZHAO, YI, CN

[72] SHEN, JIAZHONG, CN

[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN

[85] 2015-03-10

[86] 2013-09-16 (PCT/CN2013/083561)

[87] (WO2014/040566)

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[11] **2,885,531**
[13] C

[51] **Int.Cl. A61B 5/0472 (2006.01) A61B 5/0432 (2006.01) G06T 15/00 (2011.01)**

[25] EN

[54] **PHYSIOLOGICAL MAPPING FOR ARRHYTHMIA**

[54] **MAPPAGE PHYSIOLOGIQUE POUR L'ARYTHMIE**

[72] DUBOIS, REMI, FR

[72] GEORGE, BRIAN P., US

[72] RAMANATHAN, CHARULATHA, US

[72] ZENG, QINGGUO, US

[72] STROM, MARIA, US

[72] VASUDEVAN, VENKATESH, US

[72] BOKAN, RYAN, US

[72] JIA, PING, US

[73] CARDIOINSIGHT TECHNOLOGIES, INC., US

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[87] (WO2014/047405)

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[11] **2,885,580**
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[25] EN

[54] **WATERSLIDE RUN-OUT BOWL**

[54] **BASSIN DE CAPTAGE POUR GLISSOIRE D'EAU**

[72] HLYNKA, MARVIN R., CA

[73] WHITEWATER WEST INDUSTRIES LTD., CA

[86] (2885580)

[87] (2885580)

[22] 2008-09-02

[62] 2,639,347

[30] US (11/848,300) 2007-08-31

[11] **2,887,436**
[13] C

[51] **Int.Cl. B62D 25/18 (2006.01)**

[25] EN

[54] **IMPROVED SUPPORT FOR A MUDGUARD.**

[54] **SUPPORT AMELIORE POUR UN GARDE-BOUE.**

[72] LODI, LUIGI, IT

[73] LODI S.P.A., IT

[86] (2887436)

[87] (2887436)

[22] 2015-04-07

[30] IT (MO2014A000095) 2014-04-08

[11] **2,887,480**
[13] C

[51] **Int.Cl. F24H 9/12 (2006.01) F24H 1/08 (2006.01) F24H 1/14 (2006.01)**

[25] EN

[54] **HEATING SYSTEM FOR HEATING FLUID IN A TANK**

[54] **SYSTEME DE CHAUFFAGE POUR LE CHAUFFAGE D'UN LIQUIDE DANS UN RESERVOIR**

[72] ROTTINGHAUS, VINCE, US

[73] ROTTINGHAUS, VINCE, US

[86] (2887480)

[87] (2887480)

[22] 2015-04-08

[30] US (14/249,784) 2014-04-10

[11] **2,887,710**
[13] C

[51] **Int.Cl. H02G 3/08 (2006.01)**

[25] EN

[54] **SNAP-IN GANGABLE ELECTRICAL BOX**

[54] **BOITIER ELECTRIQUE ENCLENCHABLE A COMMANDE UNIQUE**

[72] LALANCETTE, DANIEL, CA

[73] THOMAS & BETTS INTERNATIONAL, LLC, US

[86] (2887710)

[87] (2887710)

[22] 2015-04-08

[30] US (61/985,725) 2014-04-29

[11] **2,888,346**
[13] C

[51] **Int.Cl. A61L 27/58 (2006.01) A61F 2/07 (2013.01) A61F 2/04 (2013.01) A61F 2/82 (2013.01) A61F 5/445 (2006.01) A61L 27/20 (2006.01) A61L 27/40 (2006.01) A61L 31/12 (2006.01) C23C 14/20 (2006.01) C23C 18/00 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS RELATED TO DEPOSITED SUPPORT STRUCTURES**

[54] **DISPOSITIFS ET PROCEDES ASSOCIES A DES STRUCTURES DE SUPPORT DEPOSEES**

[72] CULLY, EDWARD H., US

[72] ESKAROS, SHERIF A., US

[73] W.L. GORE & ASSOCIATES, INC., US

[85] 2015-04-14

[86] 2013-10-30 (PCT/US2013/067432)

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[54] **WIND AND WATER RESISTANT
BACK WRAP ROOF EDGE
TERMINATION**
[54] **TERMINAISON DE BORDURE DE
TOIT AVEC ENVELOPPE DE DOS
A L'EPREUVE DU VENT ET
HYDRORESISTANTE**
[72] KELLY, THOMAS L., US
[73] KELLY, THOMAS L., US
[86] (2889407)
[87] (2889407)
[22] 2006-09-20
[62] 2,560,236
[30] US (11/433,987) 2006-05-15

[11] **2,892,835**
[13] C

[51] **Int.Cl. B62D 65/00 (2006.01) B23P
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[25] EN
[54] **ASSEMBLY METHOD FOR
VEHICLE BODY AND ASSEMBLY
DEVICE FOR SAME**
[54] **PROCEDE D'ASSEMBLAGE POUR
CARROSSERIE DE VEHICULE ET
SON DISPOSITIF D'ASSEMBLAGE**
[72] NAKAMURA, SHINSUKE, JP
[72] SATO, HAYATO, JP
[72] TAKEUCHI, KOICHI, JP
[72] WATANABE, YASUSHI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2015-05-27
[86] 2013-12-25 (PCT/JP2013/084669)
[87] (WO2014/104096)
[30] JP (2012-287431) 2012-12-28
[30] JP (2012-287540) 2012-12-28
[30] JP (2012-287601) 2012-12-28

[11] **2,894,076**
[13] C

[51] **Int.Cl. A61B 17/068 (2006.01) A61B
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[25] EN
[54] **POWERED SURGICAL STAPLING
DEVICE PLATFORM**
[54] **PLATEAU A COMMANDE
ELECTRIQUE D'AGRAFEUSE
CHIRURGICALE**
[72] ZEMLOK, MICHAEL, US
[72] RACENET, DAVID C., US
[73] TYCO HEALTHCARE GROUP LP,
US
[86] (2894076)
[87] (2894076)
[22] 2008-04-02
[62] 2,627,954
[30] US (11/799,766) 2007-05-01

[11] **2,895,697**
[13] C

[51] **Int.Cl. C22C 38/18 (2006.01) C21D
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[25] EN
[54] **STAINLESS STEEL PIPE WITH
EXCELLENT EROSION
RESISTANCE AND
MANUFACTURING METHOD
THEREOF**
[54] **TUYAU EN ACIER INOXYDABLE
DOTE D'UNE EXCELLENTE
RESISTANCE A L'EROSION ET
SON PROCEDE DE FABRICATION**
[72] KIM, KWANG YUK, KR
[72] AHN, DEOK CHAN, KR
[72] CHAE, DONG CHUL, KR
[72] ROTH, HUGH, CA
[73] POSCO, KR
[73] SYNCRUDE CANADA LTD., CA
[85] 2015-06-18
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[87] (WO2014/098521)
[30] KR (10-2012-0151260) 2012-12-21

[11] **2,897,407**
[13] C

[51] **Int.Cl. C07D 401/12 (2006.01) A61K
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C07D 405/12 (2006.01)**
[25] EN
[54] **MIXED DISULFIDE CONJUGATES
OF THIENOPYRIDINE
COMPOUNDS AND USES
THEREOF**
[54] **CONJUGUES DISULFURE
MIXTES DE COMPOSES DE
THIENOPYRIDINE ET LEURS
UTILISATIONS**
[72] ZHANG, HAOMING, US
[72] HOLLENBERG, PAUL, US
[73] THE REGENTS OF THE
UNIVERSITY OF MICHIGAN, US
[85] 2015-07-06
[86] 2014-01-06 (PCT/US2014/010348)
[87] (WO2014/109987)
[30] US (61/750,633) 2013-01-09

[11] **2,898,729**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K
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(2017.01) A61K 47/14 (2017.01) A61K
47/22 (2006.01) A61K 47/32 (2006.01)
A61K 47/36 (2006.01)**
[25] EN
[54] **ORAL TRANSMUCOSAL DRUG
DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION
D'UN MEDICAMENT PAR VOIE
ORALE TRANSMUQUEUSE**
[72] AHMED, SALAH U., US
[72] ZU, YANMING, US
[72] NEELAM, KARUNAKAR, US
[72] MUNTAZIM, SAAD, US
[72] CHOWDHURY, TAHSEEN A., US
[72] TIAN, SHIYING, US
[73] ABON PHARMACEUTICALS, LLC,
US
[85] 2015-05-13
[86] 2013-11-14 (PCT/US2013/070162)
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[30] US (61/726,475) 2012-11-14

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[11] **2,900,753**
[13] C

[51] **Int.Cl. H02G 1/04 (2006.01) B66D 1/12 (2006.01) B66D 1/26 (2006.01)**
[25] EN
[54] **METHOD FOR STRETCHING A CABLE**
[54] **METHODE D'ETIRAGE D'UN CABLE**
[72] GIGLIOLI, ROMANO, IT
[72] LUTZEMBERGER, GIOVANNI, IT
[72] SANI, LUCA, IT
[72] COLLEONI, MATTEO, IT
[72] OSCAR, ALBERTO, IT
[72] VITALI, MAURIZIO, IT
[73] TESMEC S.P.A., IT
[85] 2015-08-10
[86] 2014-04-07 (PCT/IB2014/060479)
[87] (WO2014/167476)
[30] IT (MI2013A000546) 2013-04-09

[11] **2,906,148**
[13] C

[51] **Int.Cl. G01B 11/28 (2006.01) G01V 8/20 (2006.01) B08B 15/02 (2006.01)**
[25] EN
[54] **SASH POSITION DETERMINING SYSTEM**
[54] **SYSTEME DE DETERMINATION DE POSITION DE VOLET A GUILLOTINE**
[72] CHARLES, DONALD E., US
[72] CALIENDO, GUY P., US
[73] SIEMENS INDUSTRY, INC., US
[85] 2015-09-11
[86] 2014-03-14 (PCT/US2014/027970)
[87] (WO2014/143829)
[30] US (13/832,690) 2013-03-15

[11] **2,906,287**
[13] C

[51] **Int.Cl. F24F 11/50 (2018.01) F24F 11/38 (2018.01) F24F 11/49 (2018.01) F24F 13/02 (2006.01) F25B 45/00 (2006.01)**
[25] EN
[54] **SMART HVAC MANIFOLD SYSTEM**
[54] **SYSTEME DE COLLECTEUR HVAC INTELLIGENT**
[72] YENNI, EDWARD, US
[72] VIELHABER, TIMOTHY, US
[72] RODGERS, DAVID, US
[72] PODHRADSKY, JOHN, US
[72] BERGMANN, JAMES L., US
[72] SPOHN, WILLIAM P., US
[72] NORTHRUP, WILLIAM, US
[72] BONITATI, ROBERT JAMES, US
[73] NORTH PARK INNOVATIONS GROUP INC., US
[85] 2015-09-14
[86] 2014-01-21 (PCT/US2014/012324)
[87] (WO2014/149174)
[30] US (61/793,660) 2013-03-15

[11] **2,909,154**
[13] C

[51] **Int.Cl. C22B 1/02 (2006.01) C22B 3/10 (2006.01) C22B 3/20 (2006.01) C22B 3/38 (2006.01) C22B 3/44 (2006.01) C22B 34/12 (2006.01) C22B 34/22 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING VANADIUM-TITANIUM MAGNETITE FINISHED ORES BY USING WET PROCESS**
[54] **PROCEDE DE TRAITEMENT PAR VOIE HUMIDE DE MINERAIS FINIS DE MAGNETITE DE VANADIUM-TITANE**
[72] QI, TAO, CN
[72] WANG, LINA, CN
[72] CHEN, DESHENG, CN
[72] ZHAO, HONGXIN, CN
[72] LIU, YAHUI, CN
[72] XUE, TIANYAN, CN
[72] QU, JINGKUI, CN
[73] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[85] 2015-10-08
[86] 2014-04-10 (PCT/CN2014/075030)
[87] (WO2014/183511)
[30] CN (201310183647.8) 2013-05-17
[30] CN (201310184750.4) 2013-05-17

[11] **2,912,892**
[13] C

[51] **Int.Cl. G07F 19/00 (2006.01)**
[25] EN
[54] **L-SHAPED SECURITY CHEST FOR A BANKING MACHINE**
[54] **COFFRET DE SECURITE EN FORME DE L DESTINE A UN GUICHET AUTOMATIQUE**
[72] GRAEF, THOMAS H., US
[72] FOCKLER, GREGORY, US
[72] KRAFT, DAVE, US
[72] KANSA, ROBERT, US
[72] KOVACS, DOUGLAS A., US
[72] UTZ, ZACHARY, US
[72] WYMER, MARK, US
[72] DOUGLASS, MARK, US
[72] LUTE, RICHARD C., JR., US
[72] BOOTH, JAMES, US
[72] EASTMAN, JEFFREY, US
[72] BESKITT, WILLIAM D., US
[72] JENKINS, RANDALL, US
[72] SZABAT, WALTER J., US
[72] MLEZIVA, ROY, US
[72] WANG, ZEN Y., US
[72] VAISHNAV, DOLAR HARSHADRAI, US
[72] YOUNG, JEFF, US
[72] FELT, DENNIS, US
[72] HOLLIFIELD, DAVID, US
[72] MAGEE, PAUL D., US
[72] BARKER, DAVID, US
[72] BARNETT, ROBERT W., US
[72] TUROCY, KENNETH, US
[72] WATSON, TIMOTHY, US
[72] BAUER, THEODORE, US
[72] SCHOEFFLER, DANIEL, US
[72] TULA, PEDRO, US
[72] GRIGGY, SHAWN, US
[73] DIEBOLD NIXDORF, US
[86] (2912892)
[87] (2912892)
[22] 2004-03-10
[62] 2,733,476
[30] US (60/453667) 2003-03-10

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[11] **2,913,492**
[13] C

[51] **Int.Cl. G01F 22/02 (2006.01) E21B 21/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR IN-SITU FLUID INJECTOR UNIT**
[54] **PROCEDE ET APPAREIL DESTINE A UNE UNITE D'INJECTION DE FLUIDE IN SITU**
[72] PINDIPROLU, SAIRAM KS, IN
[72] GAJJI, BHARGAV, IN
[72] PANGU, GANESH SHRINIWAS, IN
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-11-24
[86] 2014-07-03 (PCT/US2014/045381)
[87] (WO2015/006159)
[30] US (13/941,047) 2013-07-12

[11] **2,914,168**
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 15/00 (2006.01) A61P 15/10 (2006.01)**
[25] EN
[54] **PYRIDO[1,2-A]PYRIMIDIN-4-ONE DERIVATIVES AND THEIR USE IN THE TREATMENT OF SEXUAL DISORDERS**
[54] **DERIVES DE PYRIDO[1,2-A]PYRIMIDIN-4-ONE ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES SEXUELS**
[72] TWOROWSKI, DMITRY, IL
[72] MATSIEVITCH, RON, IL
[72] KOGAN, VLADIMIR, IL
[73] ATIR HOLDING S.A., LU
[86] (2914168)
[87] (2914168)
[22] 2007-03-28
[62] 2,680,789
[30] US (60/786,379) 2006-03-28
[30] US (60/879,531) 2007-01-10

[11] **2,914,766**
[13] C

[51] **Int.Cl. A62B 7/14 (2006.01) A62B 25/00 (2006.01) B64D 11/00 (2006.01)**
[25] EN
[54] **ADVANCED LATCH FOR EMERGENCY OXYGEN CONTAINER DEPLOYMENT**
[54] **VERROU AMELIORE POUR DEPLOIEMENT D'UN CONTENANT D'OXYGENE D'URGENCE**
[72] KSHIRSAGAR, GIRISH, US
[72] MCDONALD, TOM, US
[72] NADUKUDIYIL, DOMINIC, US
[73] B/E AEROSPACE, INC., US
[85] 2015-12-07
[86] 2014-06-13 (PCT/US2014/042373)
[87] (WO2014/201399)
[30] US (61/835,155) 2013-06-14
[30] US (14/302,720) 2014-06-12

[11] **2,914,849**
[13] C

[51] **Int.Cl. G09B 23/32 (2006.01)**
[25] EN
[54] **A SYSTEM FOR MOVING AN ANATOMICAL MODEL OF A FETUS INSIDE A MANNEQUIN HAVING A BIRTH CANAL AND A CHILDBIRTH SIMULATOR**
[54] **SYSTEME POUR DEPLACER UN MODELE ANATOMIQUE D'UN FŒTUS A L'INTERIEUR D'UN MANNEQUIN AYANT UNE FILIERE PELVIGENITALE, ET SIMULATEUR DE NAISSANCE**
[72] LAVIGUEUR, MAXIME, CA
[72] HALBERT, GARY, US
[72] MALLACI, GIUSEPPE, CA
[72] FERNANDEZ, DANIEL, US
[72] CARON, FRANCOIS, CA
[73] CAE HEALTHCARE CANADA INC., CA
[85] 2015-12-09
[86] 2014-04-04 (PCT/CA2014/000335)
[87] (WO2014/205541)
[30] US (61/841,250) 2013-06-28
[30] US (14/231,452) 2014-03-31

[11] **2,915,907**
[13] C

[51] **Int.Cl. B32B 37/26 (2006.01) B32B 7/06 (2006.01) B32B 37/12 (2006.01) B32B 38/10 (2006.01)**
[25] EN
[54] **RELEASABLE POLYESTER HIGH GLOSS METAL TRANSFER FILM**
[54] **FILM DE TRANSFERT METALLIQUE A BRILLANT ELEVE EN POLYESTER LIBERABLE**
[72] MORITZ, JAN, US
[73] TORAY PLASTICS (AMERICA), INC., US
[86] (2915907)
[87] (2915907)
[22] 2015-12-22
[30] US (14/586,785) 2014-12-30

[11] **2,916,473**
[13] C

[51] **Int.Cl. A61B 17/12 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE DEPLOYMENT SYSTEM**
[54] **SYSTEME DE DEPLOIEMENT DE DISPOSITIF MEDICAL**
[72] CHOUINARD, BRIAN D., US
[72] FRIEDMAN, NATHAN L., US
[72] LOPEZ, JOSUE, US
[72] MCDANIEL, THOMAS R., US
[72] ZUKOWSKI, STANISLAW L., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2015-12-21
[86] 2014-06-26 (PCT/US2014/044288)
[87] (WO2014/210280)
[30] US (61/839,799) 2013-06-26
[30] US (14/315,157) 2014-06-25

[11] **2,918,011**
[13] C

[51] **Int.Cl. A47J 37/07 (2006.01) B63B 29/04 (2006.01) F24C 15/12 (2006.01)**
[25] EN
[54] **COLLAPSIBLE GRILL LID**
[54] **COUVERCLE DE GRIL PLIABLE**
[72] REISCHMANN, MICHAEL, US
[73] KENYON INTERNATIONAL, INC., US
[85] 2016-01-08
[86] 2014-07-10 (PCT/US2014/046131)
[87] (WO2015/006549)
[30] US (61/844,682) 2013-07-10
[30] US (14/326,916) 2014-07-09

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[11] **2,918,249**
[13] C

[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **TRICYCLIC BENZOXABOROLE COMPOUND, PREPARATION METHOD AND USE THEREOF**
[54] **COMPOSE DE BEZOXABOROLE TRICYCLIQUE, SON PROCEDE DE PREPARATION, ET SON UTILISATION**
[72] KIM, SOON-HOE, KR
[72] IM, WEON-BIN, KR
[72] HA, SEUNG-BUM, KR
[72] PARK, JUNG-SANG, KR
[72] KIM, MI-YEON, KR
[72] CHOI, SUNG-HAK, KR
[72] SUNG, HYUN-JUNG, KR
[73] DONG-A ST CO., LTD., KR
[85] 2016-01-13
[86] 2014-07-28 (PCT/KR2014/006894)
[87] (WO2015/016558)
[30] KR (10-2013-0090493) 2013-07-30
[30] KR (10-2014-0093765) 2014-07-24

[11] **2,918,731**
[13] C

[51] **Int.Cl. E21B 47/007 (2012.01) E21B 44/02 (2006.01)**
[25] EN
[54] **ESTIMATION AND CALIBRATION OF DOWNHOLE BUCKLING CONDITIONS**
[54] **ESTIMATION ET CALIBRAGE DES CONDITIONS DE DEFORMATION DE TROU VERS LE BAS**
[72] SAMUEL, ROBELLO, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-01-19
[86] 2013-09-17 (PCT/US2013/060171)
[87] (WO2015/041632)

[11] **2,919,816**
[13] C

[51] **Int.Cl. C12N 15/29 (2006.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **GENE CAPABLE OF INCREASING SEED PROTEIN CONTENT AND METHOD OF USE THEREOF**
[54] **GENE CAPABLE D'AUGMENTER LA TENEUR EN PROTEINES DANS UNE SEMENCE, ET SON PROCEDE D'UTILISATION**
[72] YONEKURA, MADOKA, JP
[72] OHTO, CHIKARA, JP
[72] MURAMOTO, NOBUHIKO, JP
[72] MITSUKAWA, NORIHIRO, JP
[72] TAKAGI, MASARU, JP
[72] MATSUI, KYOKO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2919816)
[87] (2919816)
[22] 2010-06-04
[62] 2,764,563
[30] JP (2009-135195) 2009-06-04

[11] **2,919,993**
[13] C

[51] **Int.Cl. E04H 17/02 (2006.01) E04G 21/32 (2006.01)**
[25] EN
[54] **SAFETY BARRIER FOR A DECK OR PORCH**
[54] **BARRIERE DE SECURITE POUR TERRASSE OU VERANDA**
[72] GREEN, GUERRY E., US
[73] MARHAYGUE, LLC, US
[86] (2919993)
[87] (2919993)
[22] 2016-02-04
[30] US (62/111,881) 2015-02-04

[11] **2,921,158**
[13] C

[51] **Int.Cl. E21B 47/09 (2012.01) G01V 3/18 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **DOWNHOLE GRADIOMETRIC RANGING UTILIZING TRANSMITTERS & RECEIVERS HAVING MAGNETIC DIPOLES**
[54] **TELEMETRIE GRADIOMETRIQUE EN FOND DE TROU EMPLOYANT DES EMETTEURS ET DES RECEPTEURS AVEC DIPOLES MAGNETIQUES**
[72] DONDERICI, BURKAY, US
[72] GUNER, BARIS, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-10
[86] 2014-09-18 (PCT/US2014/056296)
[87] (WO2015/047865)
[30] US (61/884,688) 2013-09-30

[11] **2,921,463**
[13] C

[51] **Int.Cl. C22B 7/00 (2006.01) C22B 9/00 (2006.01)**
[25] EN
[54] **METHODS OF SEPARATING IMPURITIES FROM INDUSTRIAL MINERALS USING ELECTROCOAGULATION**
[54] **PROCEDES POUR SEPARER DES IMPURETES DE MINERAUX INDUSTRIELS A L'AIDE D'UNE ELECTROCOAGULATION**
[72] LANDIS, CHARLES, US
[72] STONE, SHANTEL J., US
[72] NIELSEN, BRYAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[73] WATER TECTONICS, INC., US
[85] 2016-02-12
[86] 2014-10-13 (PCT/US2014/060279)
[87] (WO2015/057575)
[30] US (61/890,995) 2013-10-15

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[11] **2,921,849**
[13] C

[51] **Int.Cl. A61K 31/22 (2006.01) A61K 31/20 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **COMPOSITION CONTAINING MONOACETYLDIGLYCERIDE COMPOUND AS ACTIVE INGREDIENT FOR PREVENTING OR TREATING CHRONIC OBSTRUCTIVE PULMONARY DISEASE**
[54] **COMPOSITION CONTENANT UN COMPOSE MONOACETYLDIACYLGLYCEROL COMME PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE MALADIES PULMONAIRES OBSTRUCTIVES CHRONIQUES**
[72] OH, SEI-RYANG, KR
[72] AHN, KYUNG SEOP, KR
[72] LEE, SU UI, KR
[72] SHIN, IN SIK, KR
[72] KWON, OK-KYOUNG, KR
[72] KIM, SEUNG HYUNG, KR
[72] CHUN, CHAN MI, KR
[72] SOHN, KI YOUNG, KR
[72] KANG, JONGKOO, KR
[72] KIM, HYE KYUNG, KR
[73] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY, KR
[73] ENZYCHEM LIFESCIENCES CORPORATION, KR
[85] 2016-02-18
[86] 2014-08-19 (PCT/KR2014/007661)
[87] (WO2015/026123)
[30] KR (10-2013-0098184) 2013-08-19

[11] **2,923,014**
[13] C

[51] **Int.Cl. E21B 17/18 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **DOWNHOLE COMMUNICATION BETWEEN WELLBORES UTILIZING SWELLABLE MATERIALS**
[54] **COMMUNICATION DE FOND DE TROU ENTRE DES PUIITS DE FORAGE A L'AIDE DE MATERIAUX DILATABLES**
[72] HESS, JOSEPH E., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-02
[86] 2013-10-28 (PCT/US2013/067133)
[87] (WO2015/065321)

[11] **2,923,191**
[13] C

[51] **Int.Cl. G09B 23/28 (2006.01) A61M 16/00 (2006.01) A61M 16/01 (2006.01) A61M 16/10 (2006.01) G09B 9/00 (2006.01)**
[25] EN
[54] **PATIENT SIMULATION SYSTEM ADAPTED FOR INTERACTING WITH A MEDICAL APPARATUS**
[54] **SYSTEME DE SIMULATION DE PATIENT ADAPTE POUR UNE INTERACTION AVEC UN APPAREIL MEDICAL**
[72] AZEVEDO, HUGO, CA
[73] CAE HEALTHCARE CANADA INC, CA
[86] (2923191)
[87] (2923191)
[22] 2016-03-08

[11] **2,924,129**
[13] C

[51] **Int.Cl. A23K 20/20 (2016.01) A23K 50/00 (2016.01) A23K 50/75 (2016.01) A61K 47/18 (2017.01) A61P 3/02 (2006.01) C07C 211/65 (2006.01)**
[25] EN
[54] **USE OF ETHYLENE DIAMINE METAL COMPLEXES TO DELIVER HIGHLY ABSORBABLE METALS FOR ANIMAL NUTRITION**
[54] **UTILISATION DE COMPLEXES METALLIQUES D'ETHYLENE DIAMINE EN VUE DE DELIVRER DES METAUX HAUTEMENT ABSORBABLES POUR LA NUTRITION ANIMALE**
[72] STARK, PETER A., US
[72] KENDING, CORY SHAWN, US
[73] ZINPRO CORPORATION, US
[85] 2016-03-11
[86] 2014-06-17 (PCT/US2014/042608)
[87] (WO2015/047476)
[30] US (14/034,851) 2013-09-24

[11] **2,924,578**
[13] C

[51] **Int.Cl. E21B 21/00 (2006.01) C09K 8/04 (2006.01) C09K 8/57 (2006.01) E21B 21/14 (2006.01) E21B 33/138 (2006.01) E21B 33/14 (2006.01)**
[25] EN
[54] **DRILL-IN FLUIDS COMPRISING NANOPARTICULATES FOR CONSOLIDATING SUBTERRANEAN FORMATIONS WHILE DRILLING**
[54] **FLUIDES DE FORAGE EN CONTROLE PERMANENT COMPRENANT DES NANOPARTICULES POUR LA CONSOLIDATION DE FORMATIONS SOUTERRAINES PENDANT LE FORAGE**
[72] NGUYEN, PHILIP D., US
[72] VO, LOAN K., US
[72] HALL, LEE J., US
[72] JAMISON, DALE E., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-16
[86] 2013-10-29 (PCT/US2013/067186)
[87] (WO2015/065324)

[11] **2,929,566**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/13 (2012.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR EVALUATING DOWNHOLE CONDITIONS THROUGH RFID SENSING**
[54] **PROCEDES ET APPAREIL POUR L'EVALUATION DE CONDITIONS DE FOND DE TROU PAR DETECTION RFID**
[72] GOODWIN, SCOTT, US
[72] ROBERSON, MARK W., US
[72] RODDY, CRAIG W., US
[72] RAVI, KRISHNA M., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-05-03
[86] 2014-12-17 (PCT/US2014/070773)
[87] (WO2015/102897)
[30] US (14/145,447) 2013-12-31

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[11] **2,930,776**

[13] C

[51] **Int.Cl. A61M 5/168 (2006.01) A61M 5/142 (2006.01) A61M 5/145 (2006.01) A61M 5/172 (2006.01) A61M 5/50 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DETECTING OCCLUSIONS IN AN AMBULATORY INFUSION PUMP**
[54] **PROCEDE ET APPAREIL DE DETECTION D'OCCLUSIONS DANS UNE POMPE DE PERFUSION AMBULATOIRE**

[72] MOBERG, SHELDON B., US

[72] HANSON, IAN B., US

[72] TALBOT, CARY D., US

[73] MEDTRONIC MINIMED, INC., US

[86] (2930776)

[87] (2930776)

[22] 2006-12-21

[62] 2,847,548

[30] US (11/323104) 2005-12-30

[11] **2,930,798**

[13] C

[51] **Int.Cl. B02C 4/28 (2006.01)**

[25] EN

[54] **MACHINERY FRAME FOR A ROLLER CRUSHER**

[54] **CHASSIS DE MACHINERIE DESTINE A UN BROYEUR A ROULEAUX**

[72] PETACK, BURKHARD, DE

[72] SCHMIDT, MARKO, DE

[72] EBENHAN, KARSTEN, DE

[72] NEUFELDT, PATRICK, DE

[73] TAKRAF GMBH, DE

[86] (2930798)

[87] (2930798)

[22] 2016-05-20

[30] DE (10 2015 209 280.1) 2015-05-21

[11] **2,931,072**

[13] C

[51] **Int.Cl. E04F 13/075 (2006.01)**

[25] EN

[54] **FOAM GLASS INTEGRATED PLATE EFFECTIVE IN WATER AND FIRE PROOFING, THERMAL INSULATION AND DECORATION**

[54] **PLAQUE INTEGREE DE VERRE CELLULAIRE EFFICACE EN TERMES D'HYDROFUGATION ET D'IGNIFUGATION, D'ISOLATION THERMIQUE ET DE DECORATION**

[72] ZHANG, YONGFU, CN

[72] ZHANG, CHUNHUA, CN

[72] HUANG, XIAOBIN, CN

[73] ZHEJIANG ZHENSHEN

INSULATION TECHNOLOGY

CORPORATION LIMITED, CN

[85] 2016-05-18

[86] 2014-12-02 (PCT/CN2014/092848)

[87] (WO2016/045194)

[30] CN (201410500238.0) 2014-09-26

[11] **2,931,720**

[13] C

[51] **Int.Cl. E05D 13/00 (2006.01) A47K 3/30 (2006.01) E05D 15/06 (2006.01) E06B 3/46 (2006.01)**

[25] EN

[54] **CONNECTING DEVICE AND SHOWER DOOR ASSEMBLY INCLUDING THE CONNECTING DEVICE**

[54] **DISPOSITIF DE CONNEXION ET ENSEMBLE DE PORTE DE DOUCHE COMPRENANT LE DISPOSITIF DE CONNEXION**

[72] WEI, WUXIANG, CN

[73] IDEAL SANITARY WARE CO., LTD., CN

[85] 2016-05-30

[86] 2015-01-28 (PCT/CN2015/071768)

[87] (WO2016/119149)

[11] **2,935,451**

[13] C

[51] **Int.Cl. A45F 3/04 (2006.01) A45C 13/04 (2006.01)**

[25] EN

[54] **OUTDOOR PACK WITH COMPANION FRAME**

[54] **SAC DE PLEIN AIR COMPORANT UN CADRE D'ACCOMPAGNEMENT**

[72] ROBERT, JAY, US

[72] MAKOS, TIMOTHY S., US

[73] PLANO MOLDING COMPANY, US

[85] 2016-06-28

[86] 2014-12-31 (PCT/US2014/073060)

[87] (WO2015/105724)

[30] US (61/926,100) 2014-01-10

[30] US (14/588,027) 2014-12-31

[11] **2,936,003**

[13] C

[51] **Int.Cl. E21B 33/13 (2006.01) C09K 8/42 (2006.01)**

[25] EN

[54] **SETTABLE COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS DURCISSABLES ET METHODES D'UTILISATION**

[72] AGAPIOU, KYRIACOS, US

[72] MARTINEZ, JUAN HUMBERTO, US

[72] PISKLAK, THOMAS JASON, US

[72] GOEL, VIVEK S., US

[72] BROTHERS, LANCE EVERETT, US

[72] IVERSON, BENJAMIN J., US

[73] HALLIBURTON ENERGY

SERVICES, INC., US

[85] 2016-07-05

[86] 2015-02-25 (PCT/US2015/017564)

[87] (WO2015/130815)

[30] US (14/194,125) 2014-02-28

[11] **2,939,487**

[13] C

[51] **Int.Cl. F02B 77/13 (2006.01) F02B 63/04 (2006.01)**

[25] EN

[54] **PACKAGE-STORAGE TYPE ENGINE GENERATOR**

[54] **GENERATEUR DE MOTEUR DE TYPE GARNITURE-STOCKAGE**

[72] TERADA, RURIKO, JP

[72] KAWANO, TATSUYA, JP

[73] YANMAR CO., LTD., JP

[85] 2016-08-11

[86] 2015-02-13 (PCT/JP2015/053897)

[87] (WO2015/146343)

[30] JP (2014-063048) 2014-03-26

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[11] **2,940,976**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/46 (2006.01)**
[25] EN
[54] **DYNAMIC ALLOCATION OF NETWORK BANDWIDTH**
[54] **AFFECTATION DYNAMIQUE DE BANDE PASSANTE DE RESEAU**
[72] OWEN, AARON, US
[72] HUTCHINSON, CRAIG, US
[73] VICIDIEM HOLDINGS, LLC, US
[85] 2016-08-26
[86] 2015-02-27 (PCT/US2015/018127)
[87] (WO2015/131119)
[30] US (61/946,519) 2014-02-28
[30] US (14/632,964) 2015-02-26

[11] **2,941,174**
[13] C

[51] **Int.Cl. A61K 39/08 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **NOVEL POLYSACCHARIDE IMMUNOGENS FROM CLOSTRIDIUM DIFFICILE**
[54] **NOUVEAUX POLYSACCHARIDES IMMUNOGENES ISSUS DE CLOSTRIDIUM DIFFICILE**
[72] MONTEIRO, MARIO ARTUR, CA
[72] GANESHAPILLAI, JEYABARATHY, CA
[73] UNIVERSITY OF GUELPH, CA
[86] (2941174)
[87] (2941174)
[22] 2008-09-11
[62] 2,698,157
[30] US (60/971,411) 2007-09-11

[11] **2,941,312**
[13] C

[51] **Int.Cl. G01N 27/416 (2006.01) G01N 27/403 (2006.01) G01N 33/483 (2006.01) G01N 33/49 (2006.01)**
[25] EN
[54] **GATED AMPEROMETRY**
[54] **AMPEROMETRIE A DECLENCHEMENT PERIODIQUE**
[72] WU, HUAN-PING, US
[72] NELSON, CHRISTINE D., US
[72] BEER, GREG P., US
[73] BAYER HEALTHCARE LLC, US
[86] (2941312)
[87] (2941312)
[22] 2006-07-19
[62] 2,890,945
[30] US (60/700,787) 2005-07-20
[30] US (60/746,771) 2006-05-08

[11] **2,941,469**
[13] C

[51] **Int.Cl. G06T 11/80 (2006.01) G06F 3/0488 (2013.01) G06F 3/048 (2013.01)**
[25] EN
[54] **METHOD, DEVICE, AND PROGRAM FOR IMAGE PROCESSING**
[54] **METHODE, APPAREIL ET PROGRAMME DE TRAITEMENT D'IMAGE**
[72] IRIE, HIRONORI, JP
[72] TERASHITA, TOSHIYUKI, JP
[72] SASAKI, TOMOHIKO, JP
[73] RICOH COMPANY, LTD., JP
[85] 2016-09-01
[86] 2015-03-10 (PCT/JP2015/057609)
[87] (WO2015/141605)
[30] JP (2014-054782) 2014-03-18

[11] **2,942,780**
[13] C

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 25/22 (2006.01) A01N 47/44 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) A23B 4/20 (2006.01) A23B 4/24 (2006.01) A23B 7/154 (2006.01) A23B 7/157 (2006.01) A23L 3/3526 (2006.01) A23L 3/358 (2006.01) A61K 31/223 (2006.01) A61K 33/40 (2006.01) A61L 2/18 (2006.01) A61P 31/02 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL COMPOSITION COMPRISING LAURIC ARGINATE ETHYL ESTER AND HYDROGEN PEROXIDE**
[54] **COMPOSITION ANTIMICROBIENNE RENFERMANT DE L'ESTER D'ARGINATE D'ETHYLE LAURIQUE ET DU PEROXYDE D'HYDROGENE**
[72] DAIGLE, FRANCOIS, CA
[73] MICROBIO SOLUTIONS INC., CA
[85] 2016-09-14
[86] 2016-02-05 (PCT/CA2016/050106)
[87] (WO2016/123716)
[30] US (62/113,014) 2015-02-06

[11] **2,942,796**
[13] C

[51] **Int.Cl. E21B 33/14 (2006.01) C09K 8/42 (2006.01) C09K 8/50 (2006.01)**
[25] EN
[54] **IMPROVING SHEAR BOND STRENGTH OF SET CEMENT**
[54] **AMELIORATIONS APORTEES A LA RESISTANCE D'ADHESION AU CISAILLEMENT D'UN CIMENT DURCI**
[72] KARCHER, JEFFERY DWANE, US
[72] JONES, PAUL JOSEPH, US
[72] ROWE, MISTY DAWN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (2942796)
[87] (2942796)
[22] 2013-02-11
[62] 2,862,941
[30] US (13/404,499) 2012-02-24

[11] **2,944,797**
[13] C

[51] **Int.Cl. A63H 33/18 (2006.01) A63B 65/00 (2006.01) F42B 6/06 (2006.01)**
[25] EN
[54] **SHAFTED PROJECTILE HAVING A HEAD**
[54] **PROJECTILE A MANCHE DOTE D'UNE TETE**
[72] CUMMINGS, PETER J., CN
[73] KMA CONCEPTS LIMITED, CN
[85] 2016-10-04
[86] 2014-04-04 (PCT/CN2014/074870)
[87] (WO2015/149376)

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[11] **2,945,083**
[13] C

[51] **Int.Cl. B65H 39/02 (2006.01) B65H 29/24 (2006.01) B65H 35/00 (2006.01) B65H 37/04 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CUTTING AND PLACING NOSE WIRES IN A FACEMASK MANUFACTURING PROCESS**

[54] **METHODE ET SYSTEME DE COUPE ET POSITIONNEMENT DE FILS DE NEZ DANS UN PROCEDE DE FABRICATION DE MASQUE FACIAL**

[72] PAMPERIN, MARK THOMAS, US

[72] HARRIS, NATHAN CRAIG, US

[72] WEBER, JOSEPH P., US

[72] HOUDE, AJAY Y., US

[72] HARRINGTON, DAVID LAMAR, US

[73] AVENT, INC., US

[85] 2016-10-12

[86] 2015-10-16 (PCT/US2015/055871)

[87] (WO2017/065790)

[11] **2,945,155**
[13] C

[51] **Int.Cl. H04W 56/00 (2009.01) H04W 24/10 (2009.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND DEVICES FOR SYNCHRONIZATION SOURCE SELECTION FOR DEVICE-TO-DEVICE COMMUNICATION**

[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DESTINES A UNE SELECTION DE SOURCE DE SYNCHRONISATION POUR UNE COMMUNICATION DE DISPOSITIF A DISPOSITIF**

[72] HE, HONG, CN

[72] KHORYAEV, ALEXEY, RU

[72] CHATTERJEE, DEBDEEP, US

[72] SHILOV, MIKHAIL, RU

[72] ZONG, PINGPING, US

[73] INTEL IP CORPORATION, US

[85] 2016-10-06

[86] 2015-04-10 (PCT/US2015/025387)

[87] (WO2015/171261)

[30] US (61/990,615) 2014-05-08

[30] US (14/582,580) 2014-12-24

[11] **2,946,037**
[13] C

[51] **Int.Cl. B01D 21/24 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN FEEDWELLS**

[54] **AMELIORATIONS DE PUIITS D'ALIMENTATION**

[72] TRIGLAVCANIN, RICHARD, AU

[72] RASKOVIC, DARKO, AU

[72] WANG, JIAN DONG, AU

[72] BROWN, MICHAEL ANDREW, AU

[73] OUTOTEC OYJ, FI

[86] (2946037)

[87] (2946037)

[22] 2009-04-30

[62] 2,724,169

[30] AU (2008902416) 2008-05-15

[11] **2,946,168**
[13] C

[51] **Int.Cl. G09B 9/00 (2006.01) G06F 13/38 (2006.01) G09B 9/08 (2006.01)**

[25] EN

[54] **A CONFIGURABLE SIMULATOR WITH TESTING CAPABILITIES**

[54] **SIMULATEUR CONFIGURABLE AVEC DES CAPACITES DE TEST**

[72] GALIBOIS, MICHEL, CA

[72] COTE, YANICK, CA

[72] BAUDUIN, ALEXANDRE, CA

[73] CAE, INC., CA

[85] 2016-10-18

[86] 2014-04-04 (PCT/CA2014/000322)

[87] (WO2014/197967)

[30] US (61/832,893) 2013-06-09

[30] US (14/226,691) 2014-03-26

[11] **2,949,618**
[13] C

[51] **Int.Cl. F21V 29/70 (2015.01) H01L 33/64 (2010.01) F21K 9/00 (2016.01) F21S 41/141 (2018.01) B60Q 1/02 (2006.01) F21V 23/00 (2015.01)**

[25] EN

[54] **LED LAMP WITH A FLEXIBLE HEAT SINK**

[54] **LAMPE DEL DOTEE D'UN PUIITS THERMIQUE FLEXIBLE**

[72] ELWELL, JAMES P., US

[72] QUICK, TRENT, US

[73] PUTCO, INC., US

[86] (2949618)

[87] (2949618)

[22] 2015-10-16

[62] 2,909,296

[30] US (14/805,602) 2015-07-22

[11] **2,950,509**
[13] C

[51] **Int.Cl. B64D 37/32 (2006.01) B64D 37/02 (2006.01)**

[25] FR

[54] **INERTING SYSTEM FOR A FUEL RESERVOIR IN AN AIRCRAFT, DESIGNED TO CALCULATE THE QUANTITY OF OXYGEN PRESENT IN AN INERTING GAS INJECTED INTO THE SAID RESERVOIR**

[54] **SYSTEME D'INERTAGE D'UN RESERVOIR DE CARBURANT D'UN AERONEF, ADAPTE POUR CALCULER LA QUANTITE D'OXYGENE PRESENTE DANS UN GAZ D'INERTAGE INJECTE DANS LEDIT RESERVOIR**

[72] REYNARD, BRUNO, FR

[72] DENAT, FREDERIC, FR

[73] ZODIAC AEROTECHNICS, FR

[86] (2950509)

[87] (2950509)

[22] 2016-12-02

[30] FR (1561818) 2015-12-03

[11] **2,956,392**
[13] C

[51] **Int.Cl. B23C 5/22 (2006.01) B23C 5/06 (2006.01) B23C 5/10 (2006.01) B23C 5/20 (2006.01)**

[25] EN

[54] **DOUBLE-SIDED CUTTING INSERT AND MILLING TOOL**

[54] **PLAQUETTE DE COUPE DOUBLE FACE ET OUTIL DE FRAISAGE**

[72] BURTSCHER, PETER, AT

[73] CERATIZIT AUSTRIA GESELLSCHAFT M.B.H., AT

[85] 2017-01-26

[86] 2015-08-11 (PCT/AT2015/000107)

[87] (WO2016/033620)

[30] AT (GM 311/2014) 2014-09-03

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[11] **2,959,373**
[13] C

[51] **Int.Cl. G01R 19/25 (2006.01) G01R 19/00 (2006.01) H02J 1/00 (2006.01) H02J 13/00 (2006.01)**

[25] EN

[54] **APPARATUS, METHOD AND DEVICE FOR SENSING DC CURRENTS**

[54] **APPAREIL, METHODE ET DISPOSITIF DE DETECTION DE COURANT CC**

[72] NGUYEN, HUY D., US
[72] LEE, TOM LIK-CHUNG, US
[73] NEILSEN-KULJIAN, INC., US
[86] (2959373)
[87] (2959373)
[22] 2017-02-27
[30] US (15/134328) 2016-04-20

[11] **2,960,484**
[13] C

[51] **Int.Cl. H04W 4/06 (2009.01) B60K 37/06 (2006.01)**

[25] EN

[54] **SMART ROUTING SYNCHRONIZATION SYSTEM AND METHODS FOR SOCIALIZING A SYNTHETIC REBROADCAST AND GROUP STREAM**

[54] **SYSTEME DE SYNCHRONISATION DE ROUTAGE INTELLIGENT ET PROCEDES DE SOCIABILISATION D'UNE REDIFFUSION DE SYNTHESE ET FLUX DE GROUPE**

[72] SAVENOK, ALEXANDER, US
[72] SAVENOK, PAVEL, US
[72] LEEKLEY, GREGORY H., US
[72] SAVENOK, DAVID, US
[72] EASON, HAROLD R., US
[73] REMOTE MEDIA, LLC, US
[86] (2960484)
[87] (2960484)
[22] 2015-04-23
[62] 2,946,319
[30] US (61/983,160) 2014-04-23
[30] US (PCT/US2014/069067) 2014-12-08
[30] US (PCT/US2015/019099) 2015-03-06

[11] **2,960,570**
[13] C

[51] **Int.Cl. A61K 47/18 (2017.01) A61K 31/713 (2006.01) C12N 15/87 (2006.01) C12N 15/113 (2010.01) C12N 15/10 (2006.01)**

[25] EN

[54] **LIPIDS FOR TRANSFECTION OF EUKARYOTIC CELLS**

[54] **LIPIDES DESTINES A LA TRANSFECTION DE CELLULES EUCARYOTES**

[72] JESSEE, JOEL, US
[72] GEBEYEHU, GULILAT, US
[73] MOLECULAR TRANSFER, INC., US
[86] (2960570)
[87] (2960570)
[22] 2006-05-17
[62] 2,651,389
[30] US (60/746,604) 2006-05-05
[30] US (60/746,858) 2006-05-09
[30] US (60/746,854) 2006-05-09

[11] **2,965,219**
[13] C

[51] **Int.Cl. G03G 21/00 (2006.01)**

[25] EN

[54] **IMAGE FORMING DEVICE, EXCHANGE UNIT AND METHOD FOR DETERMINING EXCHANGE UNIT**

[54] **DISPOSITIF DE FORMATION D'IMAGE, UNITE D'ECHANGE ET PROCEDE POUR DETERMINER UNE UNITE D'ECHANGE**

[72] OGAWA, TOSHITAKA, JP
[72] ARIKAWA, HIROO, JP
[72] KUWANA, YUJI, JP
[73] SOC CORPORATION, JP
[85] 2017-04-13
[86] 2014-10-17 (PCT/JP2014/077713)
[87] (WO2016/059726)

[11] **2,965,451**
[13] C

[51] **Int.Cl. B41F 7/06 (2006.01) B41F 7/08 (2006.01) B41F 7/12 (2006.01)**

[25] EN

[54] **SIMULTANEOUS RECTO-VERSO PRINTING PRESS**

[54] **PRESSE D'IMPRESSIION RECTO-VERSO SIMULTANEE**

[72] SCHAEDE, JOHANNES GEORG, DE
[73] KBA-NOTASYS SA, CH
[85] 2017-04-21
[86] 2015-11-06 (PCT/IB2015/058575)
[87] (WO2016/071870)
[30] EP (14192392.0) 2014-11-07

[11] **2,966,899**
[13] C

[51] **Int.Cl. E21B 47/08 (2012.01) E21B 47/008 (2012.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR ENHANCING FLUID PRODUCTION FROM A WELL**

[54] **METHODES ET APPAREIL DESTINES A AUGMENTER LA PRODUCTION DE FLUIDE D'UN Puits**

[72] NADKRYNECHNY, RICK, CA
[73] T-RAM CANADA, INC., CA
[86] (2966899)
[87] (2966899)
[22] 2017-05-10

[11] **2,967,430**
[13] C

[51] **Int.Cl. C12M 1/34 (2006.01) C12M 1/36 (2006.01) G01N 33/48 (2006.01) G01N 35/02 (2006.01) C12N 15/10 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS TO PERFORM ASSAYS FOR DETECTING OR QUANTIFYING ANALYTES WITHIN SAMPLES**

[54] **SYSTEMES ET PROCEDES PERMETTANT D'EFFECTUER DES DOSAGES AFIN DE DETECTER OU DE QUANTIFIER DES ANALYTES DANS DES ECHANTILLONS**

[72] CARRICK, JAMES M., US
[72] DAVIS, CHRISTOPHER BRANDON, US
[72] HEINZ, ROBERT E., US
[72] KNIGHT, BYRON J., US
[72] LAIR, GARY D., US
[72] LI, FLORENCE F., US
[72] LI, HAITAO, US
[72] LIGHT, JAMES P., US
[72] MACIOSZEK, JERZY A., US
[72] NGUYEN, THANH N., US
[72] SCALESE, ROBERT F., US
[73] GEN-PROBE INCORPORATED, US
[86] (2967430)
[87] (2967430)
[22] 2006-03-10
[62] 2,929,501
[30] US (60/659,874) 2005-03-10

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[11] **2,970,487**
[13] C

[51] **Int.Cl. A47K 3/40 (2006.01) A47K 3/12 (2006.01) E03C 1/22 (2006.01) E04F 15/00 (2006.01)**

[25] EN

[54] **UNDER MUD SHOWER PAN WITH SEAT**

[54] **BAC DE DOUCHE SUR REVETEMENT D'ETANCHEITE COMPRENANT UN SIEGE**

[72] ERIKSSON, LEONARD, US

[73] INNOVATIVE LEAK SOLUTIONS, INC., US

[85] 2017-06-09

[86] 2015-12-09 (PCT/US2015/064773)

[87] (WO2016/094545)

[30] US (14/565,662) 2014-12-10

[30] US (14/669,997) 2015-03-26

[11] **2,972,085**
[13] C

[51] **Int.Cl. B66C 1/22 (2006.01) F16S 3/04 (2006.01) E04G 21/00 (2006.01)**

[25] EN

[54] **ASSEMBLY FOR LIFTING OR SUPPORTING A LOAD, AND MEMBERS AND CONNECTORS FOR USE IN SAME**

[54] **DISPOSITIF DE SOULEVEMENT OU SUPPORT D'UNE CHARGE, ET ELEMENTS ET CONNECTEURS DESTINES AUDIT DISPOSITIF**

[72] SPRONKEN, JOHN RENE, CA

[73] SPRONKEN, JOHN RENE, CA

[86] (2972085)

[87] (2972085)

[22] 2017-06-28

[11] **2,972,799**
[13] C

[51] **Int.Cl. G21F 9/04 (2006.01) G21F 9/20 (2006.01)**

[25] EN

[54] **METHOD FOR PROCESSING LIQUID RADIOACTIVE WASTE AND FOR THE RECOVERY THEREOF**

[54] **PROCEDE DE TRAITEMENT DE DECHETS RADIOACTIFS LIQUIDES ET DE RECYCLAGE DE CES DERNIERS**

[72] REMEZ, VICTOR PAVLOVICH, RU

[73] EKSORB LTD, RU

[85] 2017-06-29

[86] 2015-11-12 (PCT/RU2015/000768)

[87] (WO2016/108727)

[30] RU (2014153336) 2014-12-29

[11] **2,974,669**
[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 17/00 (2006.01) F16K 1/16 (2006.01)**

[25] EN

[54] **FLAPPER STABILIZATION FOR BACK PRESSURE VALVE**

[54] **STABILISATION DE CLAPET POUR SOUPEPE DE CONTREPRESSION**

[72] HOLMBERG, AARON D., US

[72] SCHULTZ, ROGER L., US

[73] THRU TUBING SOLUTIONS, INC., US

[85] 2017-07-21

[86] 2015-02-06 (PCT/US2015/014877)

[87] (WO2016/126267)

[11] **2,978,541**
[13] C

[51] **Int.Cl. C09K 8/12 (2006.01) E21B 43/22 (2006.01)**

[25] EN

[54] **VISCOSIFIERS AND FILTRATION CONTROL AGENTS FOR USE IN HIGH TEMPERATURE SUBTERRANEAN OPERATIONS**

[54] **AGENTS AMELIORANT L'INDICE DE VISCOSITE ET AGENTS DE REGULATION DE FILTRATION A UTILISER DANS DES OPERATIONS SOUTERRAINES A TEMPERATURE ELEVEE**

[72] GALINDO, KAY ANN, US

[72] DEVILLE, JAY PAUL, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-09-01

[86] 2015-04-17 (PCT/US2015/026299)

[87] (WO2016/167787)

[11] **2,979,888**
[13] C

[51] **Int.Cl. F42B 39/30 (2006.01) B65B 27/06 (2006.01) B65B 29/00 (2006.01) B65D 85/04 (2006.01) F42B 39/00 (2006.01)**

[25] EN

[54] **DETONATOR PACKAGING SYSTEM AND METHOD**

[54] **PROCEDE ET SYSTEME D'EMBALLAGE DE DETONATEUR**

[72] OLIVARES, CESAR A., CL

[72] RIVERA, LEONARDO G., US

[72] THOMAS, J. DONALDSON, US

[73] DYN0 NOBEL INC., US

[85] 2017-09-14

[86] 2016-04-13 (PCT/US2016/027236)

[87] (WO2016/168265)

[30] US (62/146,506) 2015-04-13

[11] **2,983,339**
[13] C

[51] **Int.Cl. G06K 9/78 (2006.01) H04H 60/31 (2009.01) H04H 60/33 (2009.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **DISPLAY SYSTEMS USING FACIAL RECOGNITION FOR VIEWERSHIP MONITORING PURPOSES**

[54] **SYSTEMES D'AFFICHAGE UTILISANT LA RECONNAISSANCE FACIALE A DES FINS DE SURVEILLANCE DE PERSONNES REGARDANT DES DISPOSITIFS D'AFFICHAGE**

[72] TAGO, CHARLIE, CA

[72] WANG, DAVID, CN

[72] RANGINYA, TAGO, AE

[72] HIEBERT, JEFFREY, CA

[73] IDK INTERACTIVE INC., CA

[85] 2017-10-19

[86] 2015-08-27 (PCT/CA2015/050823)

[87] (WO2016/187692)

[30] US (62/166,804) 2015-05-27

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[11] **2,984,068**

[13] C

[51] **Int.Cl. C08L 23/10 (2006.01) C08F
2/44 (2006.01) C08F 4/654 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING
PROPYLENE POLYMER
COMPOSITIONS**

[54] **PROCEDE DE PRODUCTION DE
COMPOSITIONS DE POLYMERE
DE POLYPROPYLENE**

[72] LESKINEN, PAULI, FI

[72] WANG, JINGBO, AT

[72] LILJA, JOHANNA, FI

[72] GAHLEITNER, MARKUS, AT

[73] BOREALIS AG, AT

[85] 2017-10-26

[86] 2016-06-10 (PCT/EP2016/063299)

[87] (WO2016/198601)

[30] EP (15171769.1) 2015-06-12

[11] **2,984,996**

[13] C

[51] **Int.Cl. A01D 90/10 (2006.01) A01B
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11/24 (2006.01)**

[25] EN

[54] **GRAIN CART WITH FOLDING
AUGER**

[54] **CHARIOT A GRAIN DOTE D'UNE
VIS A GRAIN PLIANTE**

[72] VAN MILL, MICHAEL D., US

[72] SCHILIMGEN, RONALD J., US

[72] WALVATNE, JOHN, US

[72] SELF, CHRISTOPHER M., US

[73] UNVERFERTH MANUFACTURING
COMPANY, INC., US

[86] (2984996)

[87] (2984996)

[22] 2010-02-09

[62] 2,752,207

[30] US (61/152,521) 2009-02-13

[30] US (61/228,284) 2009-07-24

[30] US (12/700,372) 2010-02-04

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[21] **2,941,288**
[13] A1
[51] **Int.Cl. B44D 3/14 (2006.01)**
[25] EN
[54] **PAINT BALL**
[54] **BALLE DE PEINTURE**
[72] TUZI, LUIGI, CA
[71] TUZI, LUIGI, CA
[22] 2016-10-26
[41] 2018-04-26

[21] **2,944,053**
[13] A1
[51] **Int.Cl. B25B 5/14 (2006.01) B25B 5/02 (2006.01) B25B 5/10 (2006.01) B60S 5/00 (2006.01)**
[25] EN
[54] **CLAMP TOOL FOR DISENGAGING A BELT CLUTCH ASSEMBLY ENGAGED ON A DRIVE BELT**
[54] **PINCE-OUTIL SERVANT A DEGAGER UN MECANISME D'EMBRAYAGE A COURROIE ENGAGE SUR UNE COURROIE D'ENTRAINEMENT**
[72] BOUDRIAU, PIERRE, CA
[71] BOUDRIAU, PIERRE, CA
[22] 2016-10-27
[41] 2018-04-27

[21] **2,946,132**
[13] A1
[51] **Int.Cl. B25B 1/16 (2006.01) B25B 1/00 (2006.01)**
[25] EN
[54] **SAFETY SLIDE HAMMER**
[54] **REDRESSEUR INERTIEL SECURITAIRE**
[72] LUEBKE, JUERGEN, CA
[71] OCTAGON ENERGY SERVICES INC., CA
[22] 2016-10-24
[41] 2018-04-24

[21] **2,946,148**
[13] A1
[51] **Int.Cl. A01G 31/06 (2006.01) A01G 9/00 (2018.01)**
[25] EN
[54] **GREENLAND HIGHRISE HYDROPONIC, AGROPONIC, OR SOIL INDOOR BIPOD COMMERCIAL GROWING SYSTEM**
[54] **SYSTEME DE CROISSANCE COMMERCIALE A BIOPASTILLE POUR SOL INTERIEUR, CULTURE AGROPONIQUE OU HYDROPONIQUE VERTE EN HAUTEUR**
[72] LA-ROSE, KEVIN L., ZZ
[72] MCLEISH, ROY G., ZZ
[71] CANADA'S OWN GREENLAND ORGANIC MEDICAL PRODUCTS INC., CA
[22] 2016-10-24
[41] 2018-04-24

[21] **2,946,260**
[13] A1
[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/30 (2006.01)**
[25] EN
[54] **QUICK, INFORMATIVE, VARIABLE-SPEED, HANDS-FREE WEB-SITE**
[54] **SITE WEB MAIN LIBRE A VITESSE VARIABLE, INFORMATIF, RAPIDE**
[72] IGWE, GODWILL MBA, CA
[71] IGWE, GODWILL MBA, CA
[22] 2016-10-24
[41] 2018-04-24

[21] **2,946,264**
[13] A1
[51] **Int.Cl. C07C 5/327 (2006.01) B01D 53/22 (2006.01) B01D 71/02 (2006.01) C10B 57/00 (2006.01)**
[25] EN
[54] **USE OF SEMIPERMEABLE MEMBRANES IN CRACKING COILS**
[54] **UTILISATION DE MEMBRANES SEMI-PERMEABLES DANS LES SERPENTINS DE CRAQUAGE**
[72] BENUM, LESLIE WILFRED, CA
[72] KOSELEK, MICHAEL EDWARD, CA
[72] SIMANZHENKOV, VASILY, CA
[72] FARAG, HANY ISKANDAR, CA
[72] MAH, EVAN GEEVOUY, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2016-10-25
[41] 2018-04-25

[21] **2,946,295**
[13] A1
[51] **Int.Cl. B25J 17/00 (2006.01) B25J 18/00 (2006.01)**
[25] EN
[54] **IMPROVED REMOTE CENTRE OF MOTION MECHANISM**
[54] **CENTRE DISTANT AMELIORE DE MECANISME DE MOUVEMENT**
[72] CHEN, CHAO, AU
[72] LIU, SHAO, AU
[71] MONASH UNIVERSITY, AU
[22] 2016-10-25
[41] 2018-04-25

[21] **2,946,344**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01)**
[25] EN
[54] **MULTI FUNCTIONAL DYNAMIC CONTROLLER (MFDC)**
[54] **CONTROLEUR DYNAMIQUE MULTIFONCTIONNEL**
[72] UNKNOWN, ZZ
[71] FURLANE, GRANT, CA
[22] 2016-10-25
[41] 2018-04-25

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[21] **2,946,361**
[13] A1

[51] **Int.Cl. F21S 9/03 (2006.01) E04H 4/14 (2006.01) F21S 9/02 (2006.01) F21V 31/00 (2006.01)**
[25] EN
[54] **SWIMMING POOL LIGHT**
[54] **LUMIERE DE PISCINE**
[72] FOY, JEROME, CA
[71] INNOVAPLAS, CA
[22] 2016-10-24
[41] 2018-04-24

[21] **2,946,474**
[13] A1

[51] **Int.Cl. G02F 2/02 (2006.01) G03B 21/00 (2006.01) G03B 43/00 (2006.01)**
[25] EN
[54] **INFRARED SCENE PROJECTOR AND CONVERSION CHIP THEREFORE**
[54] **PROJECTEUR DE SCENE A INFRAROUGE ET PUCE DE CONVERSION ASSOCIEE**
[72] TREMBLAY, BRUNO, CA
[71] INSTITUT NATIONAL D'OPTIQUE, CA
[22] 2016-10-25
[41] 2018-04-25

[21] **2,946,485**
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01) E21B 36/04 (2006.01)**
[25] EN
[54] **HYDROCARBON RESOURCE RECOVERY APPARATUS INCLUDING RF TRANSMISSION LINE AND ASSOCIATED METHODS**
[54] **APPAREIL DE RECUPERATION DE RESSOURCE D'HYDROCARBURE COMPRENANT UNE LIGNE DE TRANSMISSION RF ET METHODES ASSOCIEES**
[72] WHITNEY, RYAN N., US
[72] NUGENT, KEITH, US
[72] JACKSON, RONALD E., JR., US
[72] HARLESS, RICHARD I., US
[72] KOLVEK, STEPHEN J., US
[72] WHITE, ARTHUR H., US
[71] HARRIS CORPORATION, US
[22] 2016-10-25
[41] 2018-04-25

[21] **2,946,491**
[13] A1

[51] **Int.Cl. A01B 73/02 (2006.01) A01B 71/00 (2006.01)**
[25] EN
[54] **RELEASABLE LOCK FOR REAR FOLDING IMPLEMENT WINGS**
[54] **VERROU LIBERABLE DESTINEE A DES AILES D'ACCESSOIRE PLIANT VERS L'ARRIERE**
[72] HOFMANN, TODD, CA
[72] COLISTRO, VINCENT, CA
[71] SCHULTE INDUSTRIES LTD., CA
[22] 2016-10-26
[41] 2018-04-26

[21] **2,946,557**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/00 (2006.01) E21B 43/32 (2006.01)**
[25] EN
[54] **PUMP FOR LOW PRESSURE CASING GAS**
[54] **POMPE DESTINEE A UN GAZ DE TUBAGE BASSE PRESSION**
[72] HAL WRIGHT, CA
[71] HAL WRIGHT, CA
[22] 2016-10-27
[41] 2018-04-27

[21] **2,946,625**
[13] A1

[51] **Int.Cl. B22F 9/08 (2006.01)**
[25] EN
[54] **SEMI-CHEMICAL/MECHANICAL LOW OXYGEN CONTENT WATER ATOMIZATION EQUIPMENT**
[54] **EQUIPEMENT D'ATOMISATION D'EAU SEMI-CHEMIQUE/MECANIQUE A FAIBLE TENEUR EN OXYGENE**
[72] UNKNOWN, ZZ
[71] SHI, JIANCHONG, CA
[71] SHI, LIXIN, CA
[22] 2016-10-27
[41] 2018-04-27

[21] **2,946,633**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01)**
[25] EN
[54] **REMOTE SYSTEM AND INTERNET ACCESS**
[54] **SYSTEME DISTANT ET ACCES INTERNET**
[72] PUCKETT, DANIEL, CA
[71] DISTRIBUTEL COMMUNICATIONS LIMITED, CA
[22] 2016-10-27
[41] 2018-04-27

[21] **2,946,641**
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **SECURE ACCESS TO PHYSICAL RESOURCES USING ASYMMETRIC CRYPTOGRAPHY**
[54] **ACCES SECURISE A DES RESSOURCES PHYSIQUES PAR CRYPTOGRAPHIE ASYMETRIQUE**
[72] KLINK, JEROD D., CA
[72] LITTLE, HERB, CA
[71] LOCKEDUP LTD., CA
[22] 2016-10-27
[41] 2018-04-24
[30] US (15/332057) 2016-10-24

[21] **2,946,768**
[13] A1

[51] **Int.Cl. G01W 1/14 (2006.01)**
[25] EN
[54] **A DEPTH GAUGE**
[54] **UNE JAUGE DE PROFONDEUR**
[72] BLACKLOCK, OLIVER S., GB
[71] GILL CORPORATE LIMITED, GB
[22] 2016-10-28
[41] 2018-04-28

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[21] **2,946,852**
[13] A1

[51] **Int.Cl. A01G 25/14 (2006.01)**
[25] EN
[54] **TRIGGER CONTROLLED HORTICULTURAL WATER SPRAY GUN**
[54] **PISTOLET D'ARROSAGE HORTICOLE CONTROLE PAR UN DECLENCHEUR**
[72] CHEN, CHIN-YUAN, TW
[71] SHIN TAI SPURT WATER OF THE GARDEN TOOLS CO., LTD, TW
[22] 2016-10-28
[41] 2018-04-28

[21] **2,946,941**
[13] A1

[51] **Int.Cl. E06C 7/48 (2006.01) E06C 1/04 (2006.01)**
[25] EN
[54] **LADDER. LOC.**
[54] **EHELLE.LOC**
[72] ST. GODARD, DOUG, CA
[71] ST. GODARD, DOUG, CA
[22] 2016-10-28
[41] 2018-04-28

[21] **2,946,944**
[13] A1

[51] **Int.Cl. E21B 10/44 (2006.01) E02D 1/04 (2006.01)**
[25] EN
[54] **ENCASED SOIL AUGER APPARATUS FOR ARCHEOLOGICAL ASSESSMENTS AND METHOD OF OPERATING THE SAME**
[54] **APPAREILLAGE DE TARIERE INTEGEE DESTINE A DES EVALUATIONS ARCHEOLOGIQUES ET METHODE D'UTILISATION ASSOCIEE**
[72] PASCH, CHELSEA, CA
[71] PASCH, CHELSEA, CA
[22] 2016-10-28
[41] 2018-04-28

[21] **2,947,091**
[13] A1

[51] **Int.Cl. B60P 7/02 (2006.01)**
[25] EN
[54] **FOLDING TONNEAU COVER APPARATUS**
[54] **ENSEMBLE DE COUVERCLE DE TONNEAU PLIANT**
[72] SCHMEICHEL, CHARLES M., US
[72] SIMON, JOHN W., US
[71] AGRI-COVER, INC., US
[22] 2016-11-01
[41] 2018-04-28
[30] US (62/414,591) 2016-10-28

[21] **2,947,168**
[13] A1

[51] **Int.Cl. A63B 59/20 (2015.01) A01K 1/01 (2006.01) A01K 15/02 (2006.01)**
[25] EN
[54] **ACCESSORY FOR BALL THROWER**
[54] **ACCESSOIRE DESTINE A UN LANCE-BALLE**
[72] OLSON, JAMES, CA
[71] BIG TOE INNOVATIONS INC., CA
[22] 2016-10-28
[41] 2018-04-28

[21] **2,952,918**
[13] A1

[51] **Int.Cl. A63B 59/20 (2015.01) A63B 60/34 (2015.01) A01K 15/02 (2006.01)**
[25] EN
[54] **ACCESSORY FOR A BALL THROWER AND A COMBINATION BALL THROWER AND ACCESSORY**
[54] **ACCESSOIRE DE LANCE-BALLE ET UNE COMBINAISON DE LANCE-BALLE ET D'ACCESSOIRE**
[72] OLSON, JAMES, CA
[71] BIG TOE INNOVATIONS INC., CA
[22] 2016-12-23
[41] 2018-04-28
[30] CA (2,947,168) 2016-10-28

[21] **2,956,430**
[13] A1

[51] **Int.Cl. F04B 47/12 (2006.01) E21B 34/14 (2006.01) F04B 47/00 (2006.01)**
[25] EN
[54] **IMPROVED LATCH FOR A BALL AND SLEEVE PLUNGER**
[54] **VERROU AMELIORE DESTINE A UN PISTON A BILLE ET MANCHON**
[72] BOYD, GARRETT S., US
[72] BOYD, MITCHELL A., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[22] 2017-01-27
[41] 2018-04-26
[30] US (62/412,959) 2016-10-26
[30] US (15/400,222) 2017-01-06

[21] **2,956,433**
[13] A1

[51] **Int.Cl. F16B 1/02 (2006.01) F04B 47/12 (2006.01) F16K 31/56 (2006.01) F16K 35/04 (2006.01)**
[25] EN
[54] **IMPROVED SPLIT BOBBIN CLUTCH FOR BYPASS PLUNGERS**
[54] **EMBRAYAGE DE BOBINE FENDUE AMELIORE DESTINE A DES PISTONS DE DERIVATION**
[72] BOYD, GARRETT S., US
[72] BOYD, MITCHELL A., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[22] 2017-01-27
[41] 2018-04-28
[30] US (62/414,336) 2016-10-28
[30] US (15/407,851) 2017-01-17

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[21] **2,957,337**
[13] A1

[51] **Int.Cl. B21D 37/16 (2006.01) B21D 22/02 (2006.01)**
[25] EN
[54] **AUTOMATIC CONTROLLED ELECTRIC HEATING EQUIPMENT FOR PRODUCTION OF HIGH RESISTANCE PARTS**
[54] **EQUIPEMENT DE CHAUFFAGE ELECTRIQUE CONTROLE AUTOMATIQUEMENT DESTINE A LA PRODUCTION DE PIECES HAUTE RESISTANCE**
[72] SPORTELLI, PIETRO, BR
[71] AETHRA SISTEMAS AUTOMOTIVOS S/A, BR
[22] 2017-02-08
[41] 2018-04-25
[30] BR (BR 102016024974-0) 2016-10-25

[21] **2,957,345**
[13] A1

[51] **Int.Cl. E04D 13/064 (2006.01) E04D 13/04 (2006.01) E04D 13/076 (2006.01)**
[25] EN
[54] **RESIDENTIAL OR COMMERCIAL SEE THROUGH EAVES AND DOWNSPOUT GUTTER SYSTEM**
[54] **SYSTEME DE GOUTTIERE DESCENDANTE ET DEBORD DE TOIT TRANSPARENTS POUR USAGE RESIDENTIEL OU COMMERCIAL**
[72] SALEH, NABIL, CA
[71] 2298679 ONTARIO INC., CA
[71] SALEH, NABIL, CA
[22] 2017-02-08
[41] 2018-04-25
[30] US (15/333,978) 2016-10-25

[21] **2,957,955**
[13] A1

[51] **Int.Cl. A47G 19/22 (2006.01) A45F 3/16 (2006.01) A47G 21/18 (2006.01) B67C 9/00 (2006.01)**
[25] EN
[54] **PORTABLE DRINKING VESSEL ASSEMBLY**
[54] **ENSEMBLE DE RECIPIENT DE BOISSON PORTATIF**
[72] SULLIVAN, JENNIFER JO, US
[72] ROTHFUS, RANDALL ALLEN, US
[71] J JO MARKET LLC, US
[22] 2017-02-15
[41] 2018-04-25
[30] US (15/358759) 2016-11-22
[30] US (62/412805) 2016-10-25

[21] **2,963,041**
[13] A1

[51] **Int.Cl. B60N 3/04 (2006.01)**
[25] EN
[54] **VEHICLE FLOOR MAT WITH WATERTIGHT CAPPED GROMMETS**
[54] **TAPIS DE PLANCHER DE VEHICULE DOTE D'OEILLETS RECOUVERTS ETANCHES**
[72] MACNEIL, DAVID F., US
[72] THOM, ALLAN R., US
[72] MASANEK, FREDERICK W., JR., US
[71] MACNEIL IP LLC, US
[22] 2017-03-31
[41] 2018-04-24
[30] US (15/332668) 2016-10-24

[21] **2,963,543**
[13] A1

[51] **Int.Cl. F01D 5/22 (2006.01) F01D 5/12 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **THRUST RING AND ROTOR FAN SYSTEM WITH PASSIVE LEADING EDGE SLATS**
[54] **SYSTEME DE VENTILATEUR DE ROTOR ET DE BAGUE DE BUTEE A FENTES DE BORD AVANT PASSIVES**
[72] POWER, BRONWYN, US
[72] RIVERS, JONATHAN M., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-04-06
[41] 2018-04-28
[30] US (15/337,936) 2016-10-28

[21] **2,966,085**
[13] A1

[51] **Int.Cl. F04D 29/36 (2006.01) B64C 11/00 (2006.01) F01D 7/00 (2006.01)**
[25] EN
[54] **THRUST RING AND ROTOR FAN SYSTEM**
[54] **SYSTEME DE BAGUE DE BUTEE ET VENTILATEUR DE ROTOR**
[72] POWER, BRONWYN, US
[72] RIVERS, JONATHAN M., US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-05-03
[41] 2018-04-28
[30] US (15/338,035) 2016-10-28

[21] **2,968,281**
[13] A1

[51] **Int.Cl. F01D 21/00 (2006.01) F01D 21/12 (2006.01) F01D 25/00 (2006.01) F02C 7/22 (2006.01)**
[25] EN
[54] **FIRE MITIGATION SYSTEM FOR GAS TURBINE ENGINE**
[54] **SYSTEME D'ATTENUATION D'ALLUMAGE DESTINE A UNE TURBINE A GAZ**
[72] RICCI, THOMAS TREVOR, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-05-23
[41] 2018-04-25
[30] US (15/333,775) 2016-10-25

[21] **2,968,388**
[13] A1

[51] **Int.Cl. F01D 5/30 (2006.01) F01D 5/02 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE ROTOR ROTOR DE TURBINE A GAZ**
[72] BOUTHILLIER, ALAIN, CA
[72] FOURNIER, JEAN, CA
[72] FREDERICK, MICHEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2017-05-23
[41] 2018-04-24
[30] US (15/332,313) 2016-10-24

[21] **2,968,804**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **A HOME AUTOMATION AND CONCIERGE SYSTEM AND METHOD FOR A COMMUNITY**
[54] **SYSTEME DE DOMOTIQUE ET DE CONCIERGERIE ET METHODE DESTINES A UNE COMMUNAUTE**
[72] POULIN, JEAN-PIERRE, CA
[71] DEVCORE GROUP, CA
[22] 2017-05-31
[41] 2018-04-26
[30] US (62/413,060) 2016-10-26
[30] US (62/433,690) 2016-12-13

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[21] **2,971,355**
[13] A1

[51] **Int.Cl. B61D 23/02 (2006.01) E06C 5/04 (2006.01)**
[25] EN
[54] **FOLDING STEP FOR AUTORACK DOOR**
[54] **MARCHE PLIANTE DESTINEE A UNE PORTE DE WAGON A AUTOMOBILES**
[72] CENCER, ROBERT J., US
[71] TRINITY NORTH AMERICAN FREIGHT CAR, INC., US
[22] 2017-06-19
[41] 2018-04-24
[30] US (15/332,145) 2016-10-24

[21] **2,972,649**
[13] A1

[51] **Int.Cl. G01N 21/952 (2006.01) H01R 4/18 (2006.01) H01R 43/04 (2006.01)**
[25] EN
[54] **WIRE CONTACT INSPECTION**
[54] **INSPECTION DE CONTACT DE FIL**
[72] RAY, GARY A., US
[72] MITCHELL, BRADLEY J., US
[72] NORTON, BENTLEY E., US
[71] THE BOEING COMPANY, US
[22] 2017-07-05
[41] 2018-04-26
[30] US (15/335,299) 2016-10-26

[21] **2,974,283**
[13] A1

[51] **Int.Cl. F16C 33/48 (2006.01) F16C 33/49 (2006.01)**
[25] EN
[54] **PRONG TYPE CAGE FOR A DOUBLE ROW ROLLER BEARING ASSEMBLY**
[54] **CAGE DE TYPE A BROCHE DESTINEE A UN MECANISME DE ROULEMENT A BILLES A DOUBLE RANGEE**
[72] SOBOCINSKI, DARIUSZ, CA
[71] SCHAEFFLER TECHNOLOGIES AG & CO. KG, DE
[22] 2017-07-21
[41] 2018-04-25
[30] US (15/333,722) 2016-10-25

[21] **2,974,287**
[13] A1

[51] **Int.Cl. F16K 17/164 (2006.01) B64D 33/00 (2006.01) F02C 7/27 (2006.01) F02C 7/277 (2006.01) F16K 31/363 (2006.01) F16L 55/07 (2006.01)**
[25] EN
[54] **COMPRESSOR SURGE PROTECTION**
[54] **PROTECTION DE SURTENSION DE COMPRESSEUR**
[72] RICHARDSON, MARCUS KAREL, US
[72] SMITH, DAVID M., US
[71] THE BOEING COMPANY, US
[22] 2017-07-19
[41] 2018-04-25
[30] US (15/334,262) 2016-10-25

[21] **2,974,763**
[13] A1

[51] **Int.Cl. H04W 4/42 (2018.01) H04W 12/08 (2009.01) G01C 21/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR USING A WIRELESS ACCESS POINT STORAGE DEVICE ONBOARD AN AIRCRAFT**
[54] **METHODES ET APPAREILS DESTINES A L'UTILISATION DE DISPOSITIF DE STOCKAGE DE POINT D'ACCES SANS FIL EMBARQUE DANS UN AERONEF**
[72] GHEORGHE, LAURENTIU MIHAI, US
[72] VEMULA, SUBBARAO VENKATA RAMA, US
[72] NICHOLLS, JAMES ALEXANDER, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-07-26
[41] 2018-04-24
[30] US (15/332,310) 2016-10-24

[21] **2,975,764**
[13] A1

[51] **Int.Cl. A01G 23/08 (2006.01) A01B 63/10 (2006.01) A01G 23/091 (2006.01) A01G 23/099 (2006.01) E02F 3/85 (2006.01) E02F 9/22 (2006.01) F15B 1/00 (2006.01) F15B 21/08 (2006.01)**
[25] EN
[54] **BOOM CONTROL WITH INTEGRATED VARIABLE RETURN METERING**
[54] **COMMANDE DE BRAS A COMPTEUR DE RETOUR VARIABLE INTEGRE**
[72] MAHRENHOLZ, JOHN R., US
[72] RASZGA, CALIN, US
[71] DEERE & COMPANY, US
[22] 2017-08-09
[41] 2018-04-26
[30] US (15/334,849) 2016-10-26

[21] **2,975,342**
[13] A1

[51] **Int.Cl. G01D 5/56 (2006.01) B81B 7/02 (2006.01) B81C 3/00 (2006.01) G01L 9/00 (2006.01)**
[25] EN
[54] **MEMS SENSOR WITH ELECTRONICS INTEGRATION**
[54] **CAPTEUR MEMS A INTEGRATION DE DISPOSITIFS ELECTRONIQUES**
[72] POTASEK, DAVID P., US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2017-08-02
[41] 2018-04-25
[30] US (15/333,810) 2016-10-25

[21] **2,975,772**
[13] A1

[51] **Int.Cl. G05B 13/04 (2006.01) F02C 9/00 (2006.01)**
[25] EN
[54] **MODEL REFERENCE ADAPTIVE CONTROLLER**
[54] **CONTROLE ADAPTATIF DE MODELE DE REFERENCE**
[72] CLINE, CURTIS HARVEY, US
[72] ZAK, STANISLAW, US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-08-09
[41] 2018-04-27
[30] US (15/336,546) 2016-10-27

[21] **2,975,772**
[13] A1

[51] **Int.Cl. G05B 13/04 (2006.01) F02C 9/00 (2006.01)**
[25] EN
[54] **MODEL REFERENCE ADAPTIVE CONTROLLER**
[54] **CONTROLE ADAPTATIF DE MODELE DE REFERENCE**
[72] CLINE, CURTIS HARVEY, US
[72] ZAK, STANISLAW, US
[71] ROLLS-ROYCE CORPORATION, US
[22] 2017-08-09
[41] 2018-04-27
[30] US (15/336,546) 2016-10-27

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[21] **2,975,866**
[13] A1

[51] **Int.Cl. E04F 11/18 (2006.01) E04F 21/26 (2006.01) E05D 11/00 (2006.01) F16B 9/00 (2006.01)**

[25] EN

[54] **VARIABLE ANGLE STAIR RAILING BRACKET HINGE**

[54] **CHARNIERE DE SUPPORT DE RAMPE A ANGLE VARIABLE**

[72] GOODMAN, JAMES, US

[71] HB&G BUILDING PRODUCTS, INC., US

[22] 2017-08-11

[41] 2018-04-27

[30] US (15/336,204) 2016-10-27

[21] **2,976,503**
[13] A1

[51] **Int.Cl. B23B 45/14 (2006.01) B23B 45/00 (2006.01) B23B 47/00 (2006.01)**

[25] EN

[54] **DRILL ATTACHMENT HAVING AN ADAPTER COMPONENT**

[54] **ACCESSOIRE DE FORAGE DOTE D'UNE COMPOSANTE D'ADAPTATEUR**

[72] MOORE, BRUCE, US

[72] HOWLAND, SHANNON L., US

[71] BACKSAVER 2005, LLC, US

[22] 2017-08-15

[41] 2018-04-25

[30] US (15/333,366) 2016-10-25

[21] **2,976,572**
[13] A1

[51] **Int.Cl. B64C 13/40 (2006.01) B64D 45/00 (2006.01)**

[25] EN

[54] **AIRCRAFT WING FLAP SKEW DETECTION SYSTEMS AND METHODS**

[54] **SYSTEMES ET METHODES DE DETECTION DE CHANGEMENT D'AXE D'UN VOLET HYPERSUSTENTATEUR D'AERONEF**

[72] JONES, KELLY THOMAS, US

[71] THE BOEING COMPANY, US

[22] 2017-08-15

[41] 2018-04-26

[30] US (15/334,347) 2016-10-26

[21] **2,976,982**
[13] A1

[51] **Int.Cl. F02C 9/48 (2006.01) B64C 11/30 (2006.01) B64D 31/00 (2006.01) B64D 37/00 (2006.01) F02C 9/28 (2006.01) F02C 9/44 (2006.01) F02C 9/58 (2006.01) F02K 3/06 (2006.01)**

[25] EN

[54] **POWER PLANT THRUST MANAGEMENT SYSTEM FOR TURBOPROP ENGINES**

[54] **SYSTEME DE GESTION DE POUSSEE D'UNE CENTRALE ELECTRIQUE DESTINE AUX MOTEURS DE TURBOPROPULSEUR**

[72] MORGAN, KEITH, CA

[72] PLANTE, GHISLAIN, CA

[72] FAUCHON, TANIA, CA

[72] DUROCHER, ERIC, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2017-08-18

[41] 2018-04-26

[30] US (62/413,121) 2016-10-26

[30] US (15/623,154) 2017-06-14

[21] **2,976,999**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01)**

[25] EN

[54] **INTELLIGENT BAGGAGE HANDLING**

[54] **MANUTENTION DE BAGAGE INTELLIGENTE**

[72] PODNAR, GREGG W., US

[72] LOFTIS, RICHARD JOHN, US

[72] MATTOCKS, GREGORY E., US

[72] SALMON, JAMES J., US

[72] HARRELL, KEITH, US

[71] THE BOEING COMPANY, US

[22] 2017-08-18

[41] 2018-04-26

[30] US (15/335312) 2016-10-26

[21] **2,977,079**
[13] A1

[51] **Int.Cl. E04D 13/064 (2006.01) E04D 13/08 (2006.01)**

[25] EN

[54] **RESIDENTIAL OR COMMERCIAL INTEGRATED SEE-THROUGH EAVES AND DOWNSPOUT GUTTER SYSTEM**

[54] **SYSTEME DE GOUTTIERE DESCENDANTE ET DEBORD DE TOIT TRANSPARENTS INTEGRES A USAGE RESIDENTIEL OU COMMERCIAL**

[72] SALEH, NABIL, CA

[71] SALEH, NABIL, CA

[22] 2017-08-22

[41] 2018-04-25

[30] US (15/333978) 2016-10-25

[30] CA (2957345) 2017-02-08

[30] US (15/675062) 2017-08-11

[21] **2,977,806**
[13] A1

[51] **Int.Cl. E04D 13/064 (2006.01) E04D 13/08 (2006.01)**

[25] EN

[54] **RESIDENTIAL OR COMMERCIAL INTEGRATED SEE-THROUGH EAVES AND DOWNSPOUT GUTTER SYSTEM**

[54] **SYSTEME DE GOUTTIERE DESCENDANTE ET DEBORD DE TOIT TRANSPARENTS INTEGRES A USAGE RESIDENTIEL OU COMMERCIAL**

[72] SALEH, NABIL, CA

[71] 2298679 ONTARIO INC., CA

[22] 2017-08-30

[41] 2018-04-25

[30] US (15/333,978) 2016-10-25

[30] US (2,957,345) 2017-02-08

[30] US (15/675,062) 2017-08-11

[30] US (2,977,079) 2017-08-22

[21] **2,978,803**
[13] A1

[51] **Int.Cl. F01D 5/02 (2006.01)**

[25] EN

[54] **ROTOR DISC WITH PASSAGES**

[54] **DISQUE DE ROTOR DOTE DE PASSAGES**

[72] ABRARI, FARID, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2017-09-07

[41] 2018-04-25

[30] US (15/333,916) 2016-10-25

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[21] **2,979,742**
[13] A1

[51] **Int.Cl. A01K 63/00 (2017.01)**
[25] EN
[54] **WASTE-MOVEMENT SYSTEM FOR AQUARIUM**
[54] **SYSTEME DE MOUVEMENT DES DECHETS DESTINE A UN AQUARIUM**
[72] BUGEJA, ANTHONY, CA
[71] APPALOOSA INVESTMENTS INC., CA
[22] 2017-09-21
[41] 2018-04-28
[30] US (15/336,943) 2016-10-28

[21] **2,980,375**
[13] A1

[51] **Int.Cl. A01G 23/091 (2006.01) F16H 57/022 (2012.01) E02F 9/00 (2006.01) F16C 35/04 (2006.01) F16H 57/12 (2006.01) F16M 1/04 (2006.01)**
[25] EN
[54] **BACKLASH ADJUSTMENT SYSTEM AND METHOD**
[54] **SYSTEME D'AJUSTEMENT DE CONTRECOUP ET METHODE**
[72] DISABATINO, BENJAMIN, CA
[71] DEERE & COMPANY, US
[22] 2017-09-27
[41] 2018-04-28
[30] US (15/337,837) 2016-10-28

[21] **2,981,211**
[13] A1

[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/06 (2006.01) F04B 39/16 (2006.01)**
[25] EN
[54] **COMPRESSOR INSTALLATION WITH DRYING DEVICE FOR COMPRESSED GAS AND METHOD FOR DRYING COMPRESSED GAS**
[54] **INSTALLATION DE COMPRESSEUR EQUIPEE D'UN APPAREIL DE SECHAGE DESTINEE A UN GAZ COMPRIME ET METHODE DE SECHAGE DE GAZ COMPRIME**
[72] HELLEMANS, GEERT, BE
[72] VERTRIEST, DANNY, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[22] 2017-10-02
[41] 2018-04-25
[30] BE (2016/5804) 2016-10-25

[21] **2,981,275**
[13] A1

[51] **Int.Cl. A01G 31/02 (2006.01)**
[25] EN
[54] **WHOLE PLANT GAS EXCHANGE CHAMBER USING PRESSURIZATION AND VENTILATION OF SEPARATED CANOPY AND ROOT ZONES**
[54] **CHAMBRE D'ECHANGE DE GAZ DE PLANTE ENTIERE EMPLOYANT LA MISE SOUS PRESSION ET LA VENTILATION DE ZONES SEPEAREES DE COUVERTURE ET DE RACINE**
[72] PAULS, ROBERT B., CA
[72] THEROUX, MARC A. J., CA
[72] FRIESEN, PATRICK C., CA
[72] SUGDEN, RONALD R., CA
[72] KETTNER, BRUCE, CA
[71] BIOCHAMBERS INCORPORATED, CA
[22] 2017-10-03
[41] 2018-04-26
[30] US (62/413,049) 2016-10-26

[21] **2,981,381**
[13] A1

[51] **Int.Cl. H01M 8/0276 (2016.01) H01M 8/2465 (2016.01)**
[25] EN
[54] **GASKET AND FUEL CELL STACK**
[54] **JOINT ET EMPILEMENT DE PILE A COMBUSTIBLE**
[72] SATO, KENJI, JP
[72] KADONO, HIDEYA, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-10-04
[41] 2018-04-25
[30] JP (2016-208317) 2016-10-25

[21] **2,981,454**
[13] A1

[51] **Int.Cl. B61D 7/00 (2006.01) B61D 49/00 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **COMMODITY MEASURING FOR A RAILCAR**
[54] **MESURE DE PRODUIT DESTINEE A UN WAGON**
[72] HUCK, KENNETH W., US
[71] TRINITY NORTH AMERICAN FREIGHT CAR, INC., US
[22] 2017-10-04
[41] 2018-04-28
[30] US (15/337,820) 2016-10-28

[21] **2,981,462**
[13] A1

[51] **Int.Cl. G06F 15/163 (2006.01) B64D 43/00 (2006.01)**
[25] FR
[54] **COMMUNICATIONS ARCHITECTURE FOR DATA EXCHANGE BETWEEN PROCESSING UNITS**
[54] **ARCHITECTURE DE COMMUNICATION POUR L'ECHANGE DE DONNEES ENTRE DES UNITES DE TRAITEMENT**
[72] ZANTE, ETIENNE, FR
[72] BALBINOT, JEAN-PIERRE, FR
[72] DUBOIS, JEAN-BAPTISTE, FR
[72] MANOT, RICHARD, FR
[72] OINARD, STEPHANE, FR
[71] ZODIAC AERO ELECTRIC, FR
[22] 2017-10-03
[41] 2018-04-26
[30] FR (16 60 389) 2016-10-26

[21] **2,982,011**
[13] A1

[51] **Int.Cl. E06C 7/48 (2006.01)**
[25] EN
[54] **SYSTEM FOR SUPPORTING A LADDER IN UPRIGHT ORIENTATION**
[54] **SYSTEME DE SUPPORT D'UNE ECHELLE DANS UNE ORIENTATION VERTICALE**
[72] ST. GODARD, DOUGLAS ERIC, CA
[71] ST. GODARD, DOUGLAS ERIC, CA
[22] 2017-10-11
[41] 2018-04-28
[30] US (62/437153) 2016-12-16
[30] CA (2946941) 2016-10-28

[21] **2,982,093**
[13] A1

[51] **Int.Cl. G01F 5/00 (2006.01) G01F 25/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FLUID METERING**
[54] **SYSTEME ET METHODE DE DOSAGE DE FLUIDE**
[72] CHEN, NANNAN, US
[72] BERKCAN, ERTUGRUL, US
[72] WANG, MENGLI, US
[72] ARTIUCH, ROMAN LEON, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2017-10-12
[41] 2018-04-24
[30] US (15/332,757) 2016-10-24

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[21] **2,982,199**
[13] A1

[51] **Int.Cl. H04L 29/02 (2006.01) H04L 12/751 (2013.01) H04L 12/24 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR FACILITATING OPTIMIZATION AND ANALYTICS OF A MANAGED NETWORK**

[54] **SYSTEME ET METHODE SERVANT A FACILITER L'OPTIMISATION ET L'ANALYSE DE RESEAU GERE**

[72] TYAGI, VIPIN, IN

[72] MASILAMANI, SOUNDARAKUMAR, IN

[72] STEPHEN, BLUEMAX P. CHARUMATI, IN

[72] KULSHRESHTHA, SALAKSHNA, IN

[72] REDDY, CHINTHALAPUDI G. K., IN

[72] PAUL, ARIJIT, IN

[71] CENTRE FOR DEVELOPMENT OF TELEMATICS (C-DOT), IN

[22] 2017-10-06

[41] 2018-04-24

[30] IN (201641036389) 2016-10-24

[21] **2,982,293**
[13] A1

[51] **Int.Cl. H01H 3/26 (2006.01) H04W 4/00 (2018.01) H01H 21/54 (2006.01) H01H 33/00 (2006.01) H01H 35/24 (2006.01) H02J 7/35 (2006.01) H04B 5/00 (2006.01)**

[25] EN

[54] **MOTORIZED HIGH VOLTAGE IN-LINE DISCONNECT SWITCH**

[54] **INTERRUPTEUR DE DECONNEXION EN LIGNE HAUTE TENSION MOTORISE**

[72] CLEAVELAND, CHARLES M., US

[71] CLEAVELAND/PRICE INC., US

[22] 2017-10-13

[41] 2018-04-26

[30] US (15653923) 2017-07-19

[30] US (15582626) 2017-04-29

[30] US (62412920) 2016-10-26

[21] **2,982,415**
[13] A1

[51] **Int.Cl. B60D 1/58 (2006.01) B62D 25/22 (2006.01)**

[25] EN

[54] **TWO SHOT INJECTION MOLDED VEHICLE HITCH STEP**

[54] **MARCHE D'ATTELAGE MOULEE A INJECTION DOUBLE**

[72] MACNEIL, DAVID F., US

[72] MASANEK, FREDERICK W., JR., US

[71] MACNEIL IP LLC, US

[22] 2017-10-12

[41] 2018-04-26

[30] US (15/334544) 2016-10-26

[21] **2,982,470**
[13] A1

[51] **Int.Cl. F16K 1/44 (2006.01) F16K 1/20 (2006.01) F16K 15/03 (2006.01) F16K 17/04 (2006.01)**

[25] EN

[54] **VALVES INCLUDING MULTIPLE SEATS AND RELATED ASSEMBLIES AND METHODS**

[54] **SOUPAPES COMPORTANT PLUSIEURS SIEGES, ET ASSEMBLAGES ET METHODES ASSOCIEES**

[72] RAIN, MARK, US

[71] FLOWSERVE MANAGEMENT COMPANY, US

[22] 2017-10-16

[41] 2018-04-24

[30] US (15/332,922) 2016-10-24

[21] **2,982,530**
[13] A1

[51] **Int.Cl. H01F 27/10 (2006.01)**

[25] EN

[54] **TRANSFORMER WITH HEATED RADIATOR ELEMENT**

[54] **TRANSFORMATEUR DOTE D'UN ELEMENT DE RADIATEUR CHAUFFE**

[72] BACHINGER, FLORIAN, AT

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[22] 2017-10-13

[41] 2018-04-26

[30] DE (102016221080.7) 2016-10-26

[21] **2,982,560**
[13] A1

[51] **Int.Cl. B60P 7/02 (2006.01)**

[25] EN

[54] **TONNEAU COVER SYSTEM WITH INTEGRAL SIDE RAIL CLAMP**

[54] **SYSTEME DE COUVRE-TONNEAU A PINCE DE RAIL LATERAL INTEGRALE**

[72] FACCHINELLO, JEROME J., US

[72] DELONG, RYAN W., US

[71] EXTANG CORPORATION, US

[22] 2017-10-16

[41] 2018-04-27

[30] US (15/336,092) 2016-10-27

[30] US (15/654,570) 2017-07-19

[21] **2,982,571**
[13] A1

[51] **Int.Cl. B60P 7/02 (2006.01)**

[25] EN

[54] **TONNEAU COVER SYSTEM WITH INTEGRAL SIDE RAIL CLAMP**

[54] **SYSTEME DE COUVRE-TONNEAU A PINCE DE RAIL LATERAL INTEGRALE**

[72] FACCHINELLO, JEROME J., US

[71] EXTANG CORPORATION, US

[22] 2017-10-16

[41] 2018-04-27

[30] US (15/336,092) 2016-10-27

[21] **2,982,573**
[13] A1

[51] **Int.Cl. H04L 12/717 (2013.01) H04L 12/721 (2013.01)**

[25] EN

[54] **METHOD TO BE IMPLEMENTED AT A DEVICE CONFIGURED TO BE CONNECTED TO A CUSTOMER PREMISES EQUIPMENT OF A FIRST TYPE NETWORK, CORRESPONDING DEVICE**

[54] **METHODE A METTRE EN PLACE DANS UN DISPOSITIF CONFIGURE POUR ETRE CONNEXE A UN EQUIPEMENT CHEZ LE CLIENT D'UN PREMIER TYPE DE RESEAU, DISPOSITIF CORRESPONDANT**

[72] ONNO, STEPHANE, FR

[72] LEGUILLON, VALERIE, FR

[71] THOMSON LICENSING, FR

[22] 2017-10-16

[41] 2018-04-24

[30] EP (16306388.6) 2016-10-24

Demandes canadiennes mises à la disponibilité du public
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[21] **2,982,646**
[13] A1

[51] **Int.Cl. A01D 34/43 (2006.01) A01B 23/00 (2006.01) A01D 34/62 (2006.01) B62B 13/00 (2006.01) B62B 17/02 (2006.01)**

[25] FR

[54] **AGRICULTURAL MACHINE WITH SKATES EQUIPPED WITH INTERCHANGEABLE LININGS**

[54] **MACHINE AGRICOLE AVEC DES PATINS EQUIPES DE DOUBLURES INTERCHANGEABLES**

[72] WILHELM, JOEL, FR

[71] KUHN S.A., FR

[22] 2017-10-16

[41] 2018-04-28

[30] FR (1660476) 2016-10-28

[21] **2,982,649**
[13] A1

[51] **Int.Cl. A47B 88/40 (2017.01) A47B 81/00 (2006.01) B64D 11/00 (2006.01)**

[25] EN

[54] **SLIDE SYSTEM AND SLIDE ASSEMBLY FOR A DRAWER AND DRAWER ASSEMBLY**

[54] **SYSTEME DE COULISSE ET MECANISME DE COULISSE DESTINES A UN TIROIR ET ENSEMBLE DE TIROIR**

[72] HAMON, LUDOVIC, US

[72] LE FLOC'H, GREGORY, US

[71] DASSAULT AVIATION, FR

[22] 2017-10-16

[41] 2018-04-26

[30] US (15/334,572) 2016-10-26

[21] **2,982,781**
[13] A1

[51] **Int.Cl. A47G 33/12 (2006.01)**

[25] EN

[54] **CHRISTMAS TREE STAND**

[54] **SUPPORT D'ARBRE DE NOEL**

[72] WACH, RYAN ROBERT, US

[71] WACH, RYAN ROBERT, US

[22] 2017-10-18

[41] 2018-04-25

[30] US (15/727,350) 2017-10-06

[30] US (62/496,661) 2016-10-25

[21] **2,982,787**
[13] A1

[51] **Int.Cl. G07D 7/12 (2016.01) G07D 7/128 (2016.01)**

[25] FR

[54] **GAME TERMINAL**

[54] **BORNE DE JEU**

[72] CHAUSSADE, XAVIER, FR

[72] UZAN, ALAIN, FR

[72] COMBES, SOPHIE, FR

[71] IDEMIA IDENTITY & SECURITY FRANCE, FR

[22] 2017-10-17

[41] 2018-04-25

[30] FR (16 60351) 2016-10-25

[21] **2,982,923**
[13] A1

[51] **Int.Cl. A61K 8/85 (2006.01) A61Q 17/04 (2006.01)**

[25] EN

[54] **TOPICAL SUNSCREEN COMPOSITION, METHOD OF PREPARATION, AND USE THEREOF**

[54] **COMPOSITION D'ECRAN SOLAIRE TOPIQUE, METHODE DE PREPARATION ET UTILISATION ASSOCIEE**

[72] DUDLEY, DENIS, CA

[72] HEINAR, THOMAS, CA

[72] DUDLEY, SARA, CA

[71] CYBERDERM LABORATORIES INC., CA

[22] 2017-10-18

[41] 2018-04-28

[30] US (62/414,205) 2016-10-28

[21] **2,982,946**
[13] A1

[51] **Int.Cl. H04W 24/00 (2009.01) H04W 84/18 (2009.01) H04B 17/318 (2015.01)**

[25] EN

[54] **MESH OVER-THE-AIR (OTA) DRIVER UPDATE USING SITE PROFILE BASED MULTIPLE PLATFORM IMAGE**

[54] **MISE A JOUR HERTZIENNE DE MAILLE AU MOYEN DU PROFIL DU SITE FONDE SUR PLUSIEURS IMAGES DE PLATEFORME**

[72] GEORGE, SAJIN, US

[72] MALANDRAKIS, EMANUEL PAUL, US

[72] YOUNG, KENNETH, US

[72] LEPELAARS, MAARTEN, US

[71] ABL IP HOLDING LLC, US

[22] 2017-10-18

[41] 2018-04-26

[30] US (15/334,768) 2016-10-26

[21] **2,983,130**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 40/06 (2012.01)**

[25] EN

[54] **OPERATIONAL DUE DILIGENCE METHOD AND SYSTEM**

[54] **METHODE ET SYSTEME FONCTIONNELS A DILIGENCE RAISONNABLE**

[72] ADDY, CHRISTOPHER, CA

[72] BELL, ECHO, CA

[71] ENTREPRISE CASTEL HALL ALTERNATIVES INC., CA

[22] 2017-10-19

[41] 2018-04-26

[30] US (62/413,390) 2016-10-26

[21] **2,983,190**
[13] A1

[51] **Int.Cl. A47F 1/10 (2006.01) A47F 10/02 (2006.01)**

[25] EN

[54] **MECHANICAL TIME DELAY PRODUCT DISPENSER**

[54] **DISTRIBUTEUR DE PRODUIT A RETARDEMENT MECANIQUE**

[72] MORAD, FRED I, US

[72] ACOSTA, ROBERT A., US

[71] TRANZONIC COMPANIES, US

[22] 2017-10-20

[41] 2018-04-24

[30] US (15333007) 2016-10-24

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[21] **2,983,303**
[13] A1

[51] **Int.Cl. A23G 9/28 (2006.01) A23G 9/04 (2006.01) A23G 9/20 (2006.01) A23G 9/22 (2006.01) A47J 43/00 (2006.01)**

[25] EN

[54] **FROZEN FOOD PRODUCT DISPENSING MACHINE INCLUDING MIXING MANIFOLD**

[54] **MACHINE DE DISTRIBUTION DE PRODUIT ALIMENTAIRE CONGELE COMPRENANT UN COLLECTEUR MELANGEUR**

[72] MOHAMMED, AAMER, US

[72] WETENKAMP, KEN, US

[71] THE VOLLRATH COMPANY, L.L.C., US

[22] 2017-10-23

[41] 2018-04-24

[30] US (62/411,866) 2016-10-24

[21] **2,983,320**
[13] A1

[51] **Int.Cl. G07C 11/00 (2006.01) G06Q 30/06 (2012.01) G07B 1/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR DEALING WITH THE LIBERALIZATION OF RECREATIONAL DRUGS**

[54] **SYSTEME DE PRISE EN CHARGE DE LIBERALISATION DES DROGUES RECREATIVES**

[72] COMEAU, FELIX J. E., CA

[72] BAILEY, BRUCE A., CA

[72] LEACH, STEVEN H., CA

[72] GOLEDZINOWSKI, MATT, CA

[71] ALCOHOL COUNTERMEASURE SYSTEMS (INTERNATIONAL) INC., CA

[22] 2017-10-20

[41] 2018-04-24

[30] US (62/411,759) 2016-10-24

[30] US (62/442,081) 2017-01-04

[21] **2,983,323**
[13] A1

[51] **Int.Cl. B22D 11/045 (2006.01) B22D 11/10 (2006.01) B22D 11/112 (2006.01)**

[25] EN

[54] **UNWORKED CONTINUOUSLY CAST HEAT-TREATABLE ALUMINUM ALLOY PLATES**

[54] **PLAQUES D'ALLIAGE D'ALUMINIUM TRAITABLES THERMIQUEMENT MOULEES EN CONTINU NON TRAVAILLEES**

[72] BRYANT, JAMES DANIEL, US

[72] YAN, XINYAN, US

[72] SCHAUT, ADAM, US

[71] ARCONIC INC., US

[22] 2017-10-23

[41] 2018-04-25

[30] US (62/412,554) 2016-10-25

[21] **2,983,330**
[13] A1

[51] **Int.Cl. B62B 3/04 (2006.01) B62B 5/04 (2006.01) B66F 9/065 (2006.01) B66F 9/075 (2006.01)**

[25] EN

[54] **DELIVERY SLED BRAKE SYSTEM**

[54] **SYSTEME DE FREIN DE PLATEAU DE LIVRAISON**

[72] KALINOWSKI, DANE GIN MUN, US

[72] ENGLERT, TRAVIS JAMES, US

[72] ROBINSON, WILLIAM, US

[71] REHRIG PACIFIC COMPANY, US

[22] 2017-10-23

[41] 2018-04-25

[30] US (62/412,491) 2016-10-25

[30] US (62/538,258) 2017-07-28

[21] **2,983,487**
[13] A1

[51] **Int.Cl. A61L 29/14 (2006.01) A61B 5/042 (2006.01) A61L 29/04 (2006.01) A61M 25/01 (2006.01) A61B 18/04 (2006.01)**

[25] EN

[54] **CATHETER DISTAL END MADE OF PLASTIC TUBE AND FLEXIBLE PRINTED CIRCUIT BOARDS**

[54] **EXTREMITE DISTALE DE CATHETER FAITE D'UN TUBE DE PLASTIQUE ET CARTES DE CIRCUIT IMPRIME FLEXIBLES**

[72] GOVARI, ASSAF, IL

[72] ALTMANN, ANDRES CLAUDIO, IL

[72] ALGAWI, YEHUDA, IL

[72] SITNITSKY, ILYA, IL

[72] BEECKLER, CHRISTOPHER THOMAS, US

[72] KEYES, JOSEPH THOMAS, US

[72] HERRERA, KEVIN JUSTIN, US

[71] BIOSENSE WEBSTER (ISRAEL), LTD., IL

[22] 2017-10-23

[41] 2018-04-25

[30] US (15/333,853) 2016-10-25

[21] **2,983,489**
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 1/233 (2006.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01) A61B 17/24 (2006.01)**

[25] EN

[54] **HEAD REGISTRATION USING A PERSONALIZED GRIPPER**

[54] **ENREGISTREMENT DE TETE EMPLOYANT UNE PINCE PERSONNALISEE**

[72] AMIT, MATITYAHU, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2017-10-23

[41] 2018-04-25

[30] US (15/334,183) 2016-10-25

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[21] **2,983,492**
[13] A1

[51] **Int.Cl. A61F 2/01 (2006.01) A61B 17/22 (2006.01)**

[25] EN

[54] **A MULTI-BASKET CLOT CAPTURING DEVICE**

[54] **UN DISPOSITIF DE CAPTURE DE CAILLOT MULTI-PANIER**

[72] GOROCHOW, LACEY, US

[71] DEPUY SYNTHES PRODUCTS, INC., US

[22] 2017-10-23

[41] 2018-04-26

[30] US (15/334,984) 2016-10-26

[21] **2,983,493**
[13] A1

[51] **Int.Cl. A61M 25/09 (2006.01) A61B 17/24 (2006.01) A61M 25/095 (2006.01)**

[25] EN

[54] **GUIDEWIRES HAVING IMPROVED MECHANICAL STRENGTH AND ELECTROMAGNETIC SHIELDING**

[54] **FILS-GUIDES AYANT UNE SOLIDITE MECANIQUE AMELIOREE ET BOUCLIER ELECTROMAGNETIQUE**

[72] GLINER, VADIM, IL

[72] GOVARI, ASSAF, IL

[72] SEMA, GHISLAIN G., US

[71] BIOSENSE WEBSTER (ISRAEL), LTD., IL

[71] ACCLARENT, INC., US

[22] 2017-10-23

[41] 2018-04-25

[30] US (15/334,175) 2016-10-25

[21] **2,983,498**
[13] A1

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 43/20 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **METHOD FOR ENHANCED OIL RECOVERY**

[54] **METHODE D'AMELIORATION DE LA RECUPERATION DE PETROLE**

[72] ZAITOUN, ALAIN, FR

[72] TEMPLIER, ARNAUD, FR

[72] SALEHI, NAZANINE, FR

[71] POWELTEC, FR

[22] 2017-10-23

[41] 2018-04-25

[30] EP (16 306 393.6) 2016-10-25

[21] **2,983,507**
[13] A1

[51] **Int.Cl. F16F 9/34 (2006.01) F16F 9/16 (2006.01) F16F 9/512 (2006.01)**

[25] EN

[54] **DIGRESSIVE VALVE FOR A DAMPER**

[54] **SOUPAPE DEGRESSIVE DESTINEE A UN ATTENUATEUR**

[72] COX, CHRISTOPHER PAUL, US

[71] TERAFLX, INC., A UTAH CORPORATION, US

[22] 2017-10-24

[41] 2018-04-28

[30] US (15/338,131) 2016-10-28

[21] **2,983,515**
[13] A1

[51] **Int.Cl. A61C 9/00 (2006.01)**

[25] EN

[54] **IMPROVED DENTAL TRAY MOLDING KIT AND METHOD FOR DENTAL MOLDING**

[54] **TROUSSE DE MOULAGE DE PLATEAU DENTAIRE AMELIOREE ET METHODE DE MOULAGE DENTAIRE**

[72] ACKEL, GILBERT, CA

[71] ACKEL, GILBERT, CA

[22] 2017-10-24

[41] 2018-04-24

[30] US (62/411,856) 2016-10-24

[30] US (62/427,261) 2016-11-29

[30] US (62/448,156) 2017-01-19

[21] **2,983,519**
[13] A1

[51] **Int.Cl. E04B 1/78 (2006.01) E04C 5/01 (2006.01)**

[25] EN

[54] **PRECAST THERMALLY SEPARATED CANTILEVERED BALCONY SYSTEM AND METHOD OF USING SAME**

[54] **SYSTEME DE BALCON PREMOULE EN PORTE-A-FAUX SEPRE THERMIQUEMENT ET METHODE D'UTILISATION ASSOCIEE**

[72] STRICKLAND, MICHAEL R., CA

[71] ISPAN SYSTEMS LP, CA

[22] 2017-10-23

[41] 2018-04-25

[30] US (62/412,445) 2016-10-25

[21] **2,983,526**
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/524 (2006.01) E21B 37/06 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL PROPPRANT AGENT DE SOUTENEMENT ANTIMICROBIEN**

[72] CONNER, MARK D., US

[72] THOMPSON-COLON, JAMES A., US

[72] JONES, PHILIP R., US

[72] SMITH, NATALEE JO-ANN, US

[72] HASSETT, PAUL, US

[71] COVESTRO LLC, US

[22] 2017-10-23

[41] 2018-04-26

[30] US (62/413,035) 2016-10-26

[21] **2,983,531**
[13] A1

[51] **Int.Cl. A47B 96/06 (2006.01) A47B 61/00 (2006.01) A47B 81/00 (2006.01) A47G 25/06 (2006.01) A47G 29/00 (2006.01) B25H 3/04 (2006.01)**

[25] EN

[54] **WALL-MOUNTABLE BRACKET FOR VARIOUS SHELF CONFIGURATIONS**

[54] **SUPPORT INSTALLE AU MUR DESTINE A DIVERSES CONFIGURATIONS DE TABLETTE**

[72] OTT, LAURA ELIZABETH, US

[72] POHLMAN, JOE KIPTON, US

[71] LOWE'S COMPANIES, INC., US

[22] 2017-10-23

[41] 2018-04-24

[30] US (62/411,963) 2016-10-24

[30] US (15/730,856) 2017-10-12

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[21] **2,983,532**
[13] A1

[51] **Int.Cl. E04F 19/02 (2006.01) E04F 21/02 (2006.01)**

[25] EN

[54] **VENTED STOP BEAD APPARATUS, VENTED WEEP SCREED APPARATUS, AND RELATED SYSTEMS AND METHODS THEREOF**

[54] **APPAREILLAGE DE MOULURE D'ARRET VENTILEE, APPAREIL RACLEUR-BALAYEUR AERE, ET SYSTEMES CONNEXES ET METHODES ASSOCIEES**

[72] MAZIARZ, JEFFREY, US

[71] E-Z BEAD, LLC, US

[22] 2017-10-24

[41] 2018-04-25

[30] US (15/791,246) 2017-10-23

[30] US (62/472,297) 2017-03-16

[30] US (62/412,710) 2016-10-25

[30] US (62/443,405) 2017-01-06

[21] **2,983,546**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) B60L 11/18 (2006.01) B60R 16/02 (2006.01) H01H 50/08 (2006.01) H03F 3/45 (2006.01)**

[25] EN

[54] **ELECTRIC VEHICLE SUPPLY EQUIPMENT AND METHOD OF DETERMINING A STATE OF A CONTACTOR IN ELECTRIC VEHICLE SUPPLY EQUIPMENT**

[54] **EQUIPEMENT D'ALIMENTATION D'UN VEHICULE ELECTRIQUE ET METHODE DE DETERMINATION D'UN ETAT D'UN CONTACTEUR DANS UN EQUIPEMENT D'ALIMENTATION DE VEHICULE ELECTRIQUE**

[72] XIONG, TOM, CN

[72] HAO, JACKIE, CN

[72] YANG, ANDREW, CN

[72] LACEY, DARRON KIRBY, US

[71] EATON CORPORATION, US

[22] 2017-10-23

[41] 2018-04-28

[30] US (15/337,762) 2016-10-28

[21] **2,983,695**
[13] A1

[51] **Int.Cl. A01K 15/02 (2006.01) A01K 15/00 (2006.01) A01K 27/00 (2006.01)**

[25] EN

[54] **ANIMAL TRAINING HARNESS**

[54] **HARNAIS D'ENTRAINEMENT D'ANIMAL**

[72] O'NEILL, JESSICA EDEN, CA

[71] O'NEILL, JESSICA EDEN, CA

[22] 2017-10-25

[41] 2018-04-26

[30] US (62/412,958) 2016-10-26

[21] **2,983,723**
[13] A1

[51] **Int.Cl. F16L 55/134 (2006.01) C08K 3/28 (2006.01) C08K 5/18 (2006.01) C08L 7/02 (2006.01)**

[25] EN

[54] **INFLATABLE STOPPER**

[54] **DISPOSITIF D'ARRET GONFLABLE**

[72] VAN BEUGEN, LEONARD, NL

[72] CORIC, ENVER, NL

[71] J. VAN BEUGEN BEHEER B.V., NL

[22] 2017-10-25

[41] 2018-04-26

[30] NL (NL 2017677) 2016-10-26

[21] **2,983,728**
[13] A1

[51] **Int.Cl. F25B 39/04 (2006.01) F24F 13/30 (2006.01) F28D 1/04 (2006.01) F28F 1/00 (2006.01) F28F 9/00 (2006.01)**

[25] EN

[54] **MANIFOLD DESIGN TO ELIMINATE FRACTURES ON MULTISTAGE HEAT EXCHANGER COILS**

[54] **MODELE DE COLLECTEUR SERVANT A ELIMINER LES FRACTURES DANS LES SERPENTINS D'ECHANGEUR DE CHALEUR MULTIETAGE**

[72] BYERS, TATE, US

[72] HIM, AYLAN, US

[72] RUHLANDER, GREGORY, US

[72] MORALES, CLAUDIA A., US

[72] MACKKEY, DAVID, US

[71] LENNOX INDUSTRIES INC., US

[22] 2017-10-25

[41] 2018-04-28

[30] US (15/337,810) 2016-10-28

[21] **2,983,730**
[13] A1

[51] **Int.Cl. E06B 9/262 (2006.01) E06B 9/266 (2006.01) E06B 9/30 (2006.01)**

[25] EN

[54] **COVERING FOR ARCHITECTURAL FEATURES, AND RELATED SYSTEMS, METHODS OF OPERATION, AND MANUFACTURE**

[54] **REVETEMENT DE CARACTERISTIQUES ARCHITECTURALES, ET SYSTEMES, METHODES D'UTILISATION ET FABRICATION ASSOCIES**

[72] COLSON, WENDELL B., US

[72] KUPERUS, KO, US

[72] FOGARTY, DANIEL M., US

[72] HARTMAN, DAVID P., US

[72] DIFRANCESCO, MATTHEW A., US

[71] HUNTER DOUGLAS INC., US

[22] 2017-10-25

[41] 2018-04-28

[30] US (62/414,548) 2016-10-28

[21] **2,983,735**
[13] A1

[51] **Int.Cl. E06B 9/42 (2006.01)**

[25] EN

[54] **OPERATING SYSTEM FOR AN ARCHITECTURAL COVERING**

[54] **SYSTEME D'UTILISATION D'UN REVETEMENT ARCHITECTURAL**

[72] HOLT, RONALD, US

[72] WISECUP, STEPHEN T., US

[72] AKINS, TERRY L., US

[71] HUNTER DOUGLAS INC., US

[22] 2017-10-25

[41] 2018-04-26

[30] US (62/413,301) 2016-10-26

[30] US (62/452,404) 2017-01-31

[30] US (62/530,516) 2017-07-10

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[21] **2,983,752**
[13] A1

[51] **Int.Cl. B67D 7/08 (2010.01)**
[25] EN
[54] **AUTOMATED TAMPER PROOF FLUID DISPENSING ARRANGEMENT**
[54] **DISPOSITIF DE DISTRIBUTION DE FLUIDE INVOLABLE AUTOMATISE**
[72] MULDOON, THOMAS, US
[72] CONWAY, PHILIP J., US
[71] MULDOON, THOMAS, US
[71] CONWAY, PHILIP J., US
[22] 2017-10-25
[41] 2018-04-28
[30] US (62496781) 2016-10-28
[30] US (15732074) 2017-09-13

[21] **2,983,756**
[13] A1

[51] **Int.Cl. F16L 27/087 (2006.01) F04B 53/16 (2006.01) F04D 29/40 (2006.01)**
[25] EN
[54] **BLOCK FOR FLUID CONVEYANCE DEVICE**
[54] **BLOC DESTINE A UN DISPOSITIF DE TRANSPORT DE FLUIDE**
[72] BOHNER, STEPHAN ERNST, CA
[72] MEMA, ARBEN, CA
[72] DYKXHOORN, DICK LAW, CA
[71] 2141632 ONTARIO INC., CA
[22] 2017-10-25
[41] 2018-04-26
[30] US (62/413,158) 2016-10-26

[21] **2,983,836**
[13] A1

[51] **Int.Cl. B25F 1/02 (2006.01) B25F 1/00 (2006.01) B66F 15/00 (2006.01) F16B 7/00 (2006.01)**
[25] EN
[54] **MULTI-USE PRY BAR**
[54] **LEVIER MULTIUSAGE**
[72] WEBER, CHARLES, US
[72] BALKO, THOMAS, US
[72] CARLSON, BENJAMIN, US
[72] GALLUZZI, JOSEPH, US
[72] BROWN, ADAM, US
[71] JPW INDUSTRIES INC., US
[22] 2017-10-26
[41] 2018-04-27
[30] US (62/413,806) 2016-10-27
[30] US (62/489,810) 2017-04-25
[30] US (15/791,983) 2017-10-24

[21] **2,983,840**
[13] A1

[51] **Int.Cl. G01S 5/22 (2006.01) E21B 47/107 (2012.01) G01S 11/14 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD OF PROPAGATION AND SPATIAL LOCATION ANALYSIS BY ACOUSTIC ARRAY FOR DOWN-HOLE APPLICATIONS**
[54] **APPAREILLAGE ET METHODE D'ANALYSE DE PROPAGATION ET D'EMPLACEMENT SPATIAL PAR UN RESEAU ACOUSTIQUE DESTINEES A DES APPLICATIONS DE FOND DE TROU**
[72] YANG, QINSHAN, US
[72] ZHAO, JINSONG, US
[71] GOWELL INTERNATIONAL, LLC, US
[22] 2017-10-25
[41] 2018-04-26
[30] US (15/334518) 2016-10-26

[21] **2,983,842**
[13] A1

[51] **Int.Cl. B60R 19/54 (2006.01) B60R 19/04 (2006.01) B63B 59/00 (2006.01)**
[25] EN
[54] **DEBRIS SHIELD ADAPTABLE FOR USE WITH A VARIETY OF BOATS AND TRAILERS**
[54] **PROTECTEUR CONTRE LES DEBRIS ADAPTABLE POUR UNE UTILISATION SUR UNE VARIETE DE BATEAUX ET DE REMORQUES**
[72] GAGNON, NEIL, CA
[71] GAGNON, NEIL, CA
[22] 2017-10-27
[41] 2018-04-28
[30] US (62/414,142) 2016-10-28

[21] **2,983,846**
[13] A1

[51] **Int.Cl. B65D 8/04 (2006.01) B65D 85/00 (2006.01)**
[25] EN
[54] **WINE BARREL**
[54] **BARIL A VIN**
[72] DEUTSCH, ANDREW, US
[72] KISH, DONALD P., US
[71] NORTH COAST CONTAINER, US
[22] 2017-10-26
[41] 2018-04-26
[30] US (62/413,085) 2016-10-26

[21] **2,983,847**
[13] A1

[51] **Int.Cl. E04D 1/00 (2006.01) E04G 23/02 (2006.01)**
[25] EN
[54] **REROOFING SHINGLE**
[54] **BARDEAU DE REMPLACEMENT DE TOITURE**
[72] KASPRZAK, CHRISTOPHER P., US
[72] PANELLI, ANDREW, US
[72] ELLIOTT, BERT W., US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2017-10-25
[41] 2018-04-25
[30] US (62/412,321) 2016-10-25

[21] **2,983,852**
[13] A1

[51] **Int.Cl. G01M 15/14 (2006.01) G01K 11/12 (2006.01) G01K 13/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE TEMPERATURE IN A FLOW CHANNEL OF A GAS TURBINE AND MEASURING DEVICE**
[54] **METHODE DE DETERMINATION DE LA TEMPERATURE DANS UN CANAL D'ECOULEMENT D'UNE TURBINE A GAZ ET APPAREIL DE MESURE**
[72] LEHMANN, KNUT, DE
[71] ROLLS-ROYCE DEUTSCHLAND LTD & CO KG, DE
[22] 2017-10-24
[41] 2018-04-25
[30] DE (10 2106 120 297.5) 2016-10-25

[21] **2,983,926**
[13] A1

[51] **Int.Cl. E05F 3/04 (2006.01) E05F 3/02 (2006.01) E05F 3/10 (2006.01)**
[25] EN
[54] **COMBINATION HYDRAULIC AND PNEUMATIC DOOR CLOSER**
[54] **DISPOSITIF COMBINE DE FERMETURE DE PORTE HYDRAULIQUE ET PNEUMATIQUE**
[72] FAN, SHUIWANG, CN
[71] CMECH (GUANGZHOU), LTD., CN
[22] 2017-10-25
[41] 2018-04-26
[30] US (15/335002) 2016-10-26

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[21] **2,983,952**
[13] A1

[51] **Int.Cl. E04C 2/00 (2006.01) E04C 2/30 (2006.01)**

[25] FR

[54] **MODULAR STRUCTURAL PANEL AND ASSEMBLY INCLUDING SUCH PANELS FOR THE CONSTRUCTION OF A BUILDING**

[54] **PANNEAU STRUCTURAL MODULAIRE ET ENSEMBLE COMPORTANT DE TELS PANNEAUX POUR LA CONSTRUCTION D'UN BATIMENT**

[72] BERTRAND, HERVE, FR

[71] BERTRAND, HERVE, FR

[22] 2017-10-25

[41] 2018-04-26

[30] FR (16 60 372) 2016-10-26

[21] **2,983,965**
[13] A1

[51] **Int.Cl. C02F 3/30 (2006.01) C02F 3/02 (2006.01) C02F 3/12 (2006.01) C02F 11/02 (2006.01)**

[25] EN

[54] **BIOLOGICAL NUTRIENT REMOVAL PROCESS CONTROL SYSTEM**

[54] **SYSTEME DE CONTROLE DE PROCEDE D'ELIMINATION DE NUTRIMENT BIOLOGIQUE**

[72] GHYLIN, TREVOR W., US

[72] ELGER, SARAH O., US

[72] SHELDON, DANIEL, US

[71] XYLEM WATER SOLUTIONS U.S.A., INC., US

[22] 2017-10-27

[41] 2018-04-28

[30] US (62/414,259) 2016-10-28

[30] US (15/730,158) 2017-10-11

[21] **2,983,971**
[13] A1

[51] **Int.Cl. B62D 7/22 (2006.01)**

[25] EN

[54] **THROUGH-SHAFT STEERING DAMPER**

[54] **AMORTISSEUR DE DIRECTION TRAVERSANT L'ARBRE**

[72] COX, CHRISTOPHER PAUL, US

[71] TERAFLX, INC., A UTAH CORPORATION, US

[22] 2017-10-27

[41] 2018-04-28

[30] US (15/338,099) 2016-10-28

[21] **2,983,990**
[13] A1

[51] **Int.Cl. B01D 35/143 (2006.01) B01D 35/30 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **FILTER INCLUDING RFID TAG**

[54] **FILTRE COMPRENANT UNE ETIQUETTE RFID**

[72] PALUSZEWSKI, PAUL J., US

[72] WARMUTH, ERIC, US

[72] VANZANDT, BRENT, US

[71] PALL CORPORATION, US

[22] 2017-10-27

[41] 2018-04-28

[30] US (15/337,364) 2016-10-28

[21] **2,983,998**
[13] A1

[51] **Int.Cl. B60R 16/03 (2006.01) B60Q 1/00 (2006.01)**

[25] EN

[54] **AUXILIARY VEHICLE LIGHTING CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE D'ECLAIRAGE DE VEHICULE AUXILIAIRE**

[72] SINGH, IQBAL, US

[72] CONNINGTON, CHRIS, US

[71] TIGER ACCESSORY GROUP, LLC, US

[22] 2017-10-27

[41] 2018-04-27

[30] US (62/413,799) 2016-10-27

[21] **2,984,001**
[13] A1

[51] **Int.Cl. B65B 5/02 (2006.01) B65B 7/16 (2006.01) A61B 50/33 (2016.01)**

[25] EN

[54] **INTEGRATED TRAY AND WRAP SYSTEM AND METHOD OF MAKING**

[54] **SYSTEME DE PLATEAU ET SANGLE INTEGRES ET METHODE DE FABRICATION**

[72] FOTIS, NICHOLAS GUS, US

[72] KALYANKAR, VARSHA, US

[72] PENNY, DANIEL W., US

[72] ROLSMA, ANDREW M., US

[72] APONTE, ELIEZER, US

[71] ALLEGIANCE CORPORATION, US

[22] 2017-10-25

[41] 2018-04-25

[30] US (62/412,808) 2016-10-25

[21] **2,984,052**
[13] A1

[51] **Int.Cl. C10C 3/00 (2006.01) C10G 31/09 (2006.01)**

[25] EN

[54] **PROCESS AND SYSTEM TO SEPARATE DILUENT**

[54] **PROCEDE ET SEPARATION DE DILUANT**

[72] MCKAY, MICHAEL PATRICK, CA

[72] REN, SUCHANG, CA

[72] RAZALI, MAYAMIN BINTI MOHD, US

[72] SZEKELY, GYORGY, GB

[71] FCCL PARTNERSHIP, CA

[22] 2017-10-26

[41] 2018-04-27

[30] US (62/413,901) 2016-10-27

[21] **2,984,227**
[13] A1

[51] **Int.Cl. H02J 13/00 (2006.01) H02S 50/00 (2014.01) F24H 1/20 (2006.01) F24H 9/20 (2006.01)**

[25] EN

[54] **A SYSTEM, APPARATUS AND METHOD FOR EFFICIENT USE OF SOLAR PHOTOVOLTAIC ENERGY**

[54] **UN SYSTEME, APPAREILLAGE ET METHODE DESTINES A L'UTILISATION EFFICACE D'ENERGIE PHOTOVOLTAIQUE SOLAIRE**

[72] STEPA, GRANT, AU

[72] KERR, PETER, AU

[71] RHEEM AUSTRALIA PTY LIMITED, AU

[22] 2017-10-27

[41] 2018-04-28

[30] AU (2016250449) 2016-10-28

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22 avril 2018 au 28 avril 2018

[21] **2,984,229**
[13] A1
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 25/01 (2006.01) A61M 25/14 (2006.01) A61M 39/24 (2006.01)**
[25] EN
[54] **IMPROVED IMPLANTABLE VALVE ASSEMBLY WITH EXTENDED LIFESPAN**
[54] **MECANISME DE VALVE IMPLANTABLE AMELIOREE A DUREE UTILE PROLONGEE**
[72] BODEN, THOMAS, JR., US
[72] DEXTRADEUR, ALAN J., US
[71] INTEGRA LIFESCIENCES SWITZERLAND SARL, CH
[22] 2017-10-27
[41] 2018-04-28
[30] US (15/337,827) 2016-10-28

[21] **2,984,296**
[13] A1
[51] **Int.Cl. E21B 47/18 (2012.01) E21B 47/20 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMMUNICATING DOWNHOLE DATA**
[54] **SYSTEMES ET METHODES DE COMMUNICATION DE DONNEES DE FOND DE TROU**
[72] SOOS, ANTAL, CA
[72] EDLER, KARL, CA
[72] BRAISHER, STEVE, CA
[71] PULSE DIRECTIONAL TECHNOLOGIES INC., CA
[22] 2017-10-27
[41] 2018-04-28
[30] US (62/414,556) 2016-10-28

[21] **2,984,306**
[13] A1
[51] **Int.Cl. E06B 7/16 (2006.01) E06B 7/22 (2006.01)**
[25] EN
[54] **DOOR SWEEP AND METHOD FOR INSTALLING A DOOR SWEEP**
[54] **BAS DE PORTE ET METHODE D'INSTALLATION D'UN BAS DE PORTE**
[72] KENDALL, ADAM, US
[72] JASKIEWICZ, TOM, US
[71] ENDURA PRODUCTS, INC., US
[22] 2017-10-27
[41] 2018-04-28
[30] US (15/338,032) 2016-10-28

[21] **2,988,940**
[13] A1
[51] **Int.Cl. B65D 33/38 (2006.01) B65D 33/25 (2006.01)**
[25] EN
[54] **POUR BAG WITH GRIPPABLE DISPENSING FUNNEL**
[54] **SAC VERSEUR DOTE D'UN ENTONNOIR DE DISTRIBUTION PREHENSIBLE**
[72] BARLEV, LIOR, US
[71] FOLTON GOLD INC., US
[22] 2017-12-14
[41] 2018-04-26
[30] US (62/434,048) 2016-12-14

[21] **2,992,694**
[13] A1
[51] **Int.Cl. C25B 9/00 (2006.01) C25B 1/02 (2006.01) C25B 1/04 (2006.01) C25B 15/02 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR HYDROGEN PRODUCTION BY ELECTROLYTIC-DECOMPOSITION WITH GAS-OPERATED OSCILLATION SYSTEM**
[54] **APPAREILLAGE DE PRODUCTION D'HYDROGENE PAR DECOMPOSITION ELECTROLYTIQUE COMPORTANT UN SYSTEME D'OSCILLATION FONCTIONNANT AU GAZ**
[72] JOEL, KEVIN, CA
[71] JOEL, KEVIN, CA
[22] 2018-02-09
[41] 2018-04-23

[21] **2,994,868**
[13] A1
[51] **Int.Cl. E04C 2/288 (2006.01) E04C 2/06 (2006.01)**
[25] EN
[54] **PREFABRICATED INSULATED BUILDING PANEL WITH CURED CEMENTITIOUS LAYER BONDED TO INSULATION**
[54] **PANNEAU DE CONSTRUCTION ISOLE PREFABRIQUE DOTE D'UNE COUCHE DE CIMENT DURCI LIEE A L'ISOLANT**
[72] DOMBOWSKY, MICHAEL A., CA
[72] DOMBOWSKY, BENEDICT J., CA
[71] DOMBOWSKY, MICHAEL A., CA
[71] DOMBOWSKY, BENEDICT J., CA
[22] 2018-02-13
[41] 2018-04-26

[21] **2,996,372**
[13] A1
[51] **Int.Cl. H01R 31/06 (2006.01) H01R 24/20 (2011.01) H01R 24/30 (2011.01) A47G 33/06 (2006.01) H01B 9/00 (2006.01) H01R 4/66 (2006.01) F21S 4/10 (2016.01)**
[25] EN
[54] **AN ELECTRICAL PLUG AND SOCKET ASSEMBLY FOR A SAFETY GROUNDED TREE**
[54] **UN ENSEMBLE DE BOUCHON ET DOUILLE ELECTRIQUE DESTINE UN ARBRE MIS A LA TERRE**
[72] MCRAE, MICHAEL M., US
[71] NATIONAL CHRISTMAS PRODUCTS, INC., US
[22] 2018-02-26
[41] 2018-04-23
[30] US (15/490,880) 2017-04-18

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[21] **2,961,941**
[13] A1

[51] **Int.Cl. B41J 2/175 (2006.01) B33Y 70/00 (2015.01) G03G 21/14 (2006.01) H04N 1/034 (2006.01)**

[25] EN

[54] **REPLACEABLE ITEM AUTHENTICATION**

[54] **AUTHENTIFICATION D'ARTICLE REMPLACABLE**

[72] PANSHIN, STEPHEN D., US

[72] WARD, JEFFERSON P., US

[72] NESS, ERIK D., US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2017-03-23

[86] 2016-10-27 (PCT/US2016/059107)

[87] (2961941)

[21] **2,977,192**
[13] A1

[51] **Int.Cl. G09F 19/02 (2006.01) H02S 10/00 (2014.01) H02K 33/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR SOLAR POWERED OSCILLATING DESIGN DISPLAY**

[54] **METHODS ET APPAREIL DESTINES A UN AFFICHEUR OSCILLANT FONCTIONNANT A L'ENERGIE SOLAIRE**

[72] MORICK, SHELDON, US

[72] MUDRICK, DAVID, US

[71] MUDRICK, DAVID, US

[85] 2018-01-05

[86] 2017-08-09 (PCT/US2017/046103)

[87] (2977192)

[30] US (15/332,647) 2016-10-24

[21] **2,994,367**
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01)**

[25] EN

[54] **METHOD, SERVER, TERMINAL, AND SYSTEM FOR SETTING MATURITY OF ELECTRONIC CERTIFICATE**

[54] **PROCEDE, SERVEUR, TERMINAL, ET SYSTEME DE REGLAGE DE MATURETE DE CERTIFICAT ELECTRONIQUE**

[72] ZHANG, YI, CN

[71] 10353744 CANADA LTD., CA

[85] 2018-01-31

[86] 2015-07-21 (PCT/CN2015/084596)

[87] (WO2017/012027)

[21] **2,961,946**
[13] A1

[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/44 (2013.01)**

[25] EN

[54] **REPLACEABLE ITEM AUTHENTICATION**

[54] **AUTHENTIFICATION D'ELEMENT REMPLACABLE**

[72] PANSHIN, STEPHEN D., US

[72] WARD, JEFFERSON P., US

[72] NESS, ERIK D., US

[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2017-03-23

[86] 2016-10-27 (PCT/US2016/059118)

[87] (2961946)

[21] **2,987,126**
[13] A1

[51] **Int.Cl. A01G 9/02 (2018.01) A01G 9/20 (2006.01) A01G 31/02 (2006.01)**

[25] EN

[54] **HYDROPONIC CULTIVATION UNIT AND SYSTEM**

[54] **MODULE ET SYSTEME DE CULTURE HYRDOPONIQUE**

[72] ZHAN, ZHUO, CN

[72] LI, ZHIYING, CN

[72] LU, ZHEN, CN

[72] CHEN, YING, CN

[71] FUJIAN SANAN SINO-SCIENCE PHOTOBIOTECH CO., LTD., CN

[85] 2018-01-29

[86] 2016-10-16 (PCT/CN2016/102236)

[87] (2987126)

[21] **2,995,296**
[13] A1

[51] **Int.Cl. A01K 61/59 (2017.01) A01K 63/00 (2017.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR THE POLYCUltURE OF BENTHIC AND PELAGIC AQUATIC ANIMALS USING A STACKED COMBINATION OF DEEP AND SHALLOW HABITATS**

[54] **SYSTEME ET METHODE POUR LA CULTURE D'ANIMAUX BENTHIQUES ET PELAGIQUES A L'AIDE D'UNE COMBINAISON EMPILEE D'HABITATS EN EAUX PROFONDES OU PEU PROFONDES**

[72] LAWRENCE, ADDISON LEE, US

[71] L&B PATENT INC., CA

[85] 2018-02-26

[86] 2017-10-24 (PCT/US2017/058123)

[87] (2995296)

[30] US (15/332,423) 2016-10-24

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[21] 2,997,680 [13] A1	[21] 2,997,909 [13] A1	[21] 2,999,714 [13] A1
<p>[51] Int.Cl. A23L 33/00 (2016.01) A61K 35/741 (2015.01) A23L 33/10 (2016.01) A23L 33/125 (2016.01) A23L 33/135 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A23L 33/17 (2016.01) A61K 31/14 (2006.01) A61K 31/70 (2006.01) A61K 33/06 (2006.01) A61K 33/30 (2006.01) A61K 38/16 (2006.01) A61P 1/00 (2006.01) A61P 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITION FOR IMPROVED PERFORMANCE</p> <p>[54] COMPOSITION POUR UNE PERFORMANCE AMELIOREE</p> <p>[72] BORTZ, JONATHAN D., US</p> <p>[71] BALCHEM CORPORATION, US</p> <p>[85] 2018-03-05</p> <p>[86] 2016-09-29 (PCT/US2016/054492)</p> <p>[87] (WO2017/059101)</p> <p>[30] US (62/236,292) 2015-10-02</p>	<p>[51] Int.Cl. C12N 9/22 (2006.01) A61K 38/46 (2006.01) A61P 27/02 (2006.01) C12N 15/00 (2006.01) C12N 15/55 (2006.01) C12N 15/864 (2006.01)</p> <p>[25] EN</p> <p>[54] TREATMENT OF RETINITIS PIGMENTOSA USING ENGINEERED MEGANUCLEASES</p> <p>[54] TRAITEMENT DE LA RETINITE PIGMENTAIRE AU MOYEN DE MEGANUCLEASES OBTENUES PAR GENIE GENETIQUE</p> <p>[72] BARTSEVICH, VICTOR, US</p> <p>[72] JANTZ, DEREK, US</p> <p>[72] SMITH, JAMES JEFFERSON, US</p> <p>[72] NICHOLSON, MICHAEL G., US</p> <p>[71] PRECISION BIOSCIENCES, INC., US</p> <p>[85] 2018-03-07</p> <p>[86] 2016-09-08 (PCT/US2016/050809)</p> <p>[87] (WO2017/044649)</p> <p>[30] US (62/215,460) 2015-09-08</p>	<p>[51] Int.Cl. B60N 2/68 (2006.01) B60N 2/20 (2006.01) B60N 2/22 (2006.01) F16C 11/04 (2006.01) F16C 17/10 (2006.01) F16C 25/04 (2006.01) F16C 27/02 (2006.01) F16C 27/06 (2006.01) F16C 33/20 (2006.01)</p> <p>[25] EN</p> <p>[54] BUSHING HAVING AN AXIAL TOLERANCE ABSORPTION</p> <p>[54] DOUILLE AYANT UNE ABSORPTION DE TOLERANCE AXIALE</p> <p>[72] JINKA, CHANDRA, US</p> <p>[72] NAVEEN, YESHWANTH, US</p> <p>[71] TOYOTA BOSHOKU AMERICA, INC., US</p> <p>[85] 2018-03-22</p> <p>[86] 2016-06-09 (PCT/US2016/036588)</p> <p>[87] (WO2017/052699)</p> <p>[30] US (62/221,890) 2015-09-22</p>
[21] 2,997,762 [13] A1	[21] 2,999,710 [13] A1	[21] 2,999,734 [13] A1
<p>[51] Int.Cl. C07F 9/6584 (2006.01) A61K 39/39 (2006.01) C07K 16/44 (2006.01) C12P 21/00 (2006.01) G01N 33/543 (2006.01)</p> <p>[25] EN</p> <p>[54] CYCLOPHOSPHAMIDE ANALOGS FOR USE AS IMMUNOGENS AND ASSAY CONJUGATES FOR AN IMMUNOASSAY OF CYCLOPHOSPHAMIDE AND IFOSFAMIDE</p> <p>[54] ANALOGUES DE CYCLOPHOSPHAMIDES DESTINES A ETRE UTILISES EN TANT QU'IMMUNOGENES ET CONJUGUES DE DOSAGE POUR UN DOSAGE IMMUNOLOGIQUE DE CYCLOPHOSPHAMIDE ET D'IFOSFAMIDE</p> <p>[72] DWYER, BRIAN P., US</p> <p>[71] BECTON, DICKINSON AND COMPANY, US</p> <p>[85] 2018-03-06</p> <p>[86] 2016-09-07 (PCT/US2016/050495)</p> <p>[87] (WO2017/044453)</p> <p>[30] US (62/216,943) 2015-09-10</p>	<p>[51] Int.Cl. A61N 1/36 (2006.01) A61K 19/06 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICE FOR ELECTRICAL STIMULATION OF PERIODONTAL COMPLEX AND SURROUNDING TISSUE</p> <p>[54] DISPOSITIF POUR LA STIMULATION ELECTRIQUE DU COMPLEXE PARODONTAL ET DU TISSU ENVIRONNANT</p> <p>[72] HARALAMBIDIS, COSMO, US</p> <p>[71] HARALAMBIDIS, COSMO, US</p> <p>[85] 2018-03-22</p> <p>[86] 2016-05-05 (PCT/US2016/030922)</p> <p>[87] (WO2016/179363)</p> <p>[30] US (62/157,053) 2015-05-05</p>	<p>[51] Int.Cl. C01B 3/34 (2006.01) C01B 3/36 (2006.01)</p> <p>[25] EN</p> <p>[54] THERMOCHEMICAL REGENERATION WITH OXIDANT PREHEATING</p> <p>[54] REGENERATION THERMOCHIMIQUE AVEC PRECHAUFFAGE D'OXYDANT</p> <p>[72] KOBAYASHI, HISASHI, US</p> <p>[71] PRAXAIR TECHNOLOGY, INC., US</p> <p>[85] 2018-03-22</p> <p>[86] 2016-08-15 (PCT/US2016/046982)</p> <p>[87] (WO2017/040008)</p> <p>[30] US (62/211,510) 2015-08-28</p> <p>[30] US (15/235,689) 2016-08-12</p>

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[21] **2,999,744**
[13] A1

[51] **Int.Cl. H01L 31/0352 (2006.01) H01L 31/00 (2006.01) H01L 33/00 (2010.01)**

[25] EN

[54] **FORMATION OF FILMS FOR ORGANIC PHOTOVOLTAICS**

[54] **FORMATION DE FILMS POUR DES DISPOSITIFS PHOTOVOLTAIQUES ORGANIQUES**

[72] WORFOLK, BRIAN, US

[72] EGOAGWU, NNEKA UGURU, US

[72] BULLOCK, JOSEPH, US

[71] PHILLIPS 66 COMPANY, US

[85] 2018-03-22

[86] 2016-08-24 (PCT/US2016/048434)

[87] (WO2017/058407)

[30] US (62/235,905) 2015-10-01

[30] US (15/246,052) 2016-08-24

[21] **2,999,746**
[13] A1

[51] **Int.Cl. H01Q 3/08 (2006.01) H01Q 19/08 (2006.01) H01Q 25/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ADJUSTING WIRELESS COMMUNICATIONS**

[54] **PROCEDE ET APPAREIL DE REGLAGE DE COMMUNICATION SANS FIL**

[72] HENRY, PAUL SHALA, US

[72] BARNICKEL, DONALD J., US

[72] BARZEGAR, FARHAD, US

[72] BENNETT, ROBERT, US

[72] GERSZBERG, IRWIN, US

[72] KAFKA, HENRY, US

[72] WILLIS, THOMAS M., III, US

[71] AT&T INTELLECTUAL PROPERTY I, L.P., US

[85] 2018-03-22

[86] 2016-09-06 (PCT/US2016/050344)

[87] (WO2017/065897)

[30] US (14/885,398) 2015-10-16

[21] **3,000,692**
[13] A1

[51] **Int.Cl. A61J 7/00 (2006.01) G07F 11/00 (2006.01) G07F 11/18 (2006.01) G07F 11/62 (2006.01) G07F 17/00 (2006.01)**

[25] FR

[54] **DEVICE FOR THE AUTOMATIC AND INSTANT DETECTION OF MOVEMENT OF AN OBJECT**

[54] **DISPOSITIF POUR LA DETECTION AUTOMATIQUE ET INSTANTANEE DE MOUVEMENT D'UN OBJET**

[72] WITCZAK, JOHN, BE

[71] BELDICO INTEGRATED SOLUTIONS S.A., BE

[85] 2018-03-29

[86] 2015-09-25 (PCT/EP2015/072063)

[87] (WO2016/050622)

[30] BE (2014/0732) 2014-09-29

[30] CN (201420570275.4) 2014-09-29

[21] **3,000,739**
[13] A1

[51] **Int.Cl. A23L 19/15 (2016.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **POTATO CULTIVAR Y9**

[54] **CULTIVAR DE POMME DE TERRE Y9**

[72] RICHAEAL, CRAIG, US

[72] YAN, HUA, US

[72] RASMUSSEN, JOLYN, US

[72] DUAN, HUI, US

[72] CHAMPOURET, NICOLAS, US

[72] BALMUTH, ALEXI, US

[72] YE, JINGSONG, US

[71] J.R. SIMPLOT COMPANY, US

[85] 2018-03-29

[86] 2016-10-07 (PCT/US2016/056080)

[87] (WO2017/062825)

[30] US (62/239,068) 2015-10-08

[30] US (62/256,940) 2015-11-18

[21] **3,000,750**
[13] A1

[51] **Int.Cl. A23L 19/15 (2016.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **POTATO CULTIVAR X17**

[54] **CULTIVAR DE POMME DE TERRE X17**

[72] RICHAEAL, CRAIG, US

[72] YAN, HUA, US

[72] RASMUSSEN, JOLYN, US

[72] DUAN, HUI, US

[72] CHAMPOURET, NICOLAS, US

[72] BALMUTH, ALEXI, US

[72] YE, JINGSONG, US

[71] J.R. SIMPLOT COMPANY, US

[85] 2018-03-29

[86] 2016-10-07 (PCT/US2016/056086)

[87] (WO2017/062831)

[30] US (62/239,060) 2015-10-08

[30] US (62/256,942) 2015-11-18

[21] **3,000,814**
[13] A1

[51] **Int.Cl. A61B 8/06 (2006.01) A61B 8/08 (2006.01) A61B 8/00 (2006.01)**

[25] EN

[54] **BLOOD VOLUME ASSESSMENT USING HIGH FREQUENCY ULTRASOUND**

[54] **EVALUATION DE VOLEMIE AU MOYEN D'ULTRASONS A HAUTE FREQUENCE**

[72] WALTON, CHAD, US

[71] UNIVERSITY OF HAWAII, US

[85] 2018-04-03

[86] 2016-08-31 (PCT/US2016/049631)

[87] (WO2017/040612)

[30] US (62/212,236) 2015-08-31

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[21] **3,000,833**
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) H04L 29/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DISTRIBUTED ELECTRONIC COMMUNICATION AND CONFIGURATION**
[54] **SYSTEMES ET PROCEDES POUR UNE COMMUNICATION ELECTRONIQUE DISTRIBUEE ET UNE CONFIGURATION**
[72] GILLESPIE, ADAM, US
[72] MCGREAL, CHRIS, US
[72] SMITH, DANIEL, US
[71] CORDIAL EXPERIENCE, INC., US
[85] 2018-04-03
[86] 2016-08-31 (PCT/US2016/049789)
[87] (WO2017/040725)
[30] US (62/212,538) 2015-08-31
[30] US (62/212,540) 2015-08-31
[30] US (62/212,543) 2015-08-31

[21] **3,000,849**
[13] A1

[51] **Int.Cl. B26D 3/28 (2006.01) B26D 1/12 (2006.01) B26D 7/02 (2006.01) B26D 7/04 (2006.01)**
[25] EN
[54] **CUTTING MACHINE**
[54] **MACHINE DE COUPE**
[72] GILLIVER, DAVID, AU
[72] LINDSAY, BRETT, AU
[71] PRECISION FOAM TECHNOLOGIES PTY LTD, AU
[85] 2018-03-29
[86] 2016-10-06 (PCT/AU2016/050939)
[87] (WO2017/059491)
[30] AU (2015904093) 2015-10-08

[21] **3,000,875**
[13] A1

[51] **Int.Cl. B66F 9/12 (2006.01)**
[25] EN
[54] **AN IMPROVED LINKAGE SYSTEM FOR A FORKLIFT TRUCK**
[54] **SYSTEME DE TRINGLERIE AMELIORE POUR CHARIOT ELEVATEUR A FOURCHE**
[72] O'KEEFFE, ERIC, IE
[71] PALFINGER AG, AT
[85] 2018-04-04
[86] 2016-06-29 (PCT/EP2016/065186)
[87] (WO2017/001507)
[30] IE (S2015/0191) 2015-06-29
[30] IE (S2015/0203) 2015-07-16

[21] **3,001,071**
[13] A1

[51] **Int.Cl. B64B 1/44 (2006.01) H02J 50/23 (2016.01) H02J 50/27 (2016.01) B64D 47/00 (2006.01) B64G 1/40 (2006.01) B64G 1/42 (2006.01) H02K 44/02 (2006.01) H04B 7/195 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **GEOSTATIONARY HIGH ALTITUDE PLATFORM**
[54] **PLATE-FORME A HAUTE ALTITUDE GEOSTATIONNAIRE**
[72] VAN WYNSBERGHE, ERINN, CA
[71] VAN WYNSBERGHE, ERINN, CA
[85] 2018-04-05
[86] 2016-10-07 (PCT/CA2016/051174)
[87] (WO2017/059545)
[30] US (62/239,425) 2015-10-09

[21] **3,001,085**
[13] A1

[51] **Int.Cl. C07D 498/08 (2006.01) A61K 31/529 (2006.01) A61P 35/00 (2006.01) C07D 498/18 (2006.01) C07D 515/08 (2006.01)**
[25] EN
[54] **NOVEL MODIFIED MACROCYCLIC COMPOUNDS**
[54] **NOUVEAUX COMPOSES MACROCYCLIQUES MODIFIES**
[72] LUCKING, ULRICH, DE
[72] HOG, DANIEL, DE
[72] GEISLER, JENS, DE
[72] SCHOLZ, ARNE, DE
[72] PETERSEN, KIRSTIN, DE
[72] LIENAU, PHILIP, DE
[72] STEGMANN, CHRISTIAN, DE
[72] ANDRES, DOROTHEE, DE
[72] SIEMEISTER, GERHARD, DE
[72] WERBECK, NICOLAS, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2018-04-05
[86] 2016-09-30 (PCT/EP2016/073399)
[87] (WO2017/060167)
[30] EP (15188914.4) 2015-10-08

[21] **3,001,086**
[13] A1

[51] **Int.Cl. B03D 1/06 (2006.01)**
[25] EN
[54] **DIFFERENTIAL FLOTATION OF SULFIDE ORES FOR RECOVERING REFRACTORY GOLD**
[54] **FLOTTATION DIFFERENTIELLE DE MINERAIS DE SULFURE POUR RECUPERER DE L'OR REFRACTAIRE**
[72] MOILANEN, JARI, FI
[72] LEPPINEN, JAAKKO, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2018-04-05
[86] 2016-10-12 (PCT/FI2016/050713)
[87] (WO2017/064369)
[30] FI (20155726) 2015-10-13

[21] **3,001,095**
[13] A1

[51] **Int.Cl. H03F 1/32 (2006.01)**
[25] EN
[54] **DISTORTION COMPENSATION CIRCUIT**
[54] **CIRCUIT DE COMPENSATION DE DISTORSION**
[72] KOMATSUZAKI, YUJI, JP
[72] FUJIMOTO, YUICHI, JP
[72] NISHIHARA, JUN, JP
[72] IYOMASA, KAZUHIRO, JP
[72] YAMANAKA, KOJI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2018-04-05
[86] 2015-11-18 (PCT/JP2015/082393)
[87] (WO2017/085807)

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[21] **3,001,110**
[13] A1

[51] **Int.Cl. F42B 1/028 (2006.01) E21B 43/117 (2006.01)**

[25] EN

[54] **OILFIELD PERFORATOR DESIGNED FOR HIGH VOLUME CASING REMOVAL**

[54] **PERFORATEUR DE CHAMP PETROLIFERE CONCU POUR L'ENLEVEMENT DE CUVELAGE A GRAND VOLUME**

[72] GEERTS, SHAUN, US

[72] KINSEY, JAMES, US

[72] CLAY, MATTHEW C., US

[71] OWEN OIL TOOLS LP, US

[85] 2018-04-05

[86] 2016-10-05 (PCT/US2016/055482)

[87] (WO2017/062444)

[30] US (62/237,302) 2015-10-05

[30] US (15/285,228) 2016-10-04

[21] **3,001,113**
[13] A1

[51] **Int.Cl. C02F 1/28 (2006.01)**

[25] FR

[54] **METHOD FOR REMOVING POLLUTION FROM WATER BY ADSORPTION ON ACTIVATED CARBON**

[54] **PROCEDE DE DEPOLLUTION DES EAUX PAR ADSORPTION SUR CHARBON ACTIF**

[72] PEROT, JEAN, FR

[72] COQUET, YVES, FR

[71] SAUR, FR

[85] 2018-04-04

[86] 2016-10-10 (PCT/EP2016/074247)

[87] (WO2017/060536)

[30] EP (15306586.7) 2015-10-08

[21] **3,001,118**
[13] A1

[51] **Int.Cl. H01G 11/48 (2013.01) H01G 11/58 (2013.01) H01M 4/60 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING LITHIUM-ION, SODIUM-ION AND POTASSIUM-ION BATTERIES WITH INCREASED SAFETY**

[54] **PROCEDE DE PRODUCTION DE BATTERIES LITHIUM-ION, SODIUM-ION ET POTASSIUM-ION A SECURITE ACCRUE**

[72] POPA, RADU, US

[72] NEALSON, KENNETH H., US

[72] CIMPOIASU, VILY M., RO

[71] RIVER ROAD RESEARCH, INC., US

[85] 2018-04-05

[86] 2016-10-06 (PCT/US2016/055646)

[87] (WO2017/062550)

[30] US (62/239,549) 2015-10-09

[21] **3,001,128**
[13] A1

[51] **Int.Cl. A61K 38/12 (2006.01) A61K 38/04 (2006.01) C07K 7/50 (2006.01) C07K 7/64 (2006.01) C07K 14/47 (2006.01)**

[25] EN

[54] **DOSING REGIMENS**

[54] **REGIMES POSOLOGIQUES**

[72] GROSSI, FEDERICO, US

[72] DESCHATELETS, PASCAL, US

[72] FRANCOIS, CEDRIC, US

[71] APELLIS PHARMACEUTICALS, INC., US

[85] 2018-04-05

[86] 2016-10-07 (PCT/US2016/056144)

[87] (WO2017/062879)

[30] US (62/238,529) 2015-10-07

[30] US (62/372,259) 2016-08-08

[21] **3,001,133**
[13] A1

[51] **Int.Cl. C09K 8/88 (2006.01) C09K 8/12 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING TEMPERATURE STABLE CHEMICAL SOLUTIONS**

[54] **SYSTEME ET PROCEDE DE PRODUCTION DE SOLUTIONS CHIMIQUES THERMOSTABLES**

[72] KOEFOD, ROBERT SCOTT, US

[72] HENSLEY, ANTHONY QUINN, US

[71] CARGILL, INCORPORATED, US

[85] 2018-04-05

[86] 2016-11-03 (PCT/US2016/060337)

[87] (WO2017/079440)

[30] US (62/250,195) 2015-11-03

[21] **3,001,169**
[13] A1

[51] **Int.Cl. A61F 7/00 (2006.01) A61F 7/10 (2006.01) F25C 1/20 (2006.01)**

[25] EN

[54] **USE OF STERILE SLEEVE IN PRODUCTION OF SURGICAL SLUSH**

[54] **UTILISATION D'UN MANCHON STERILE DANS LA PRODUCTION D'UNE BOUILLIE CHIRURGICALE**

[72] KAMMER, PATRICK, US

[72] RACKERS, KEVIN JOSEPH, US

[72] ALLRED, PHILIP MORRISON, US

[71] C CHANGE SURGICAL LLC, US

[85] 2018-04-05

[86] 2016-10-05 (PCT/US2016/055524)

[87] (WO2017/062471)

[30] US (14/875,589) 2015-10-05

[30] US (62/237,525) 2015-10-05

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[21] **3,001,187**
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01)**
[25] EN
[54] **RESERVOIR SIMULATION USING AN ADAPTIVE DEFLATED MULTISCALE SOLVER**
[54] **SIMULATION DE RESERVOIR AU MOYEN D'UN SOLVEUR MULTI-ECHELLE DEGONFLE ADAPTATIF**
[72] BRATVEDT, KYRRE, US
[72] LUKYANOV, ALEXANDER, US
[72] HAJIBEYGI, HADI, NL
[72] VUIK, KEES, NL
[71] SCHLUMBERGER CANADA LIMITED, CA
[71] CHEVRON U.S.A. INC., US
[71] TOTAL SA, FR
[85] 2018-04-05
[86] 2016-10-06 (PCT/US2016/055609)
[87] (WO2017/062531)
[30] US (62/239,343) 2015-10-09

[21] **3,001,190**
[13] A1

[51] **Int.Cl. F16D 65/097 (2006.01) F16D 55/226 (2006.01) F16D 65/18 (2006.01)**
[25] EN
[54] **DISK BRAKE FOR A UTILITY VEHICLE, AND BRAKE PAD SET**
[54] **FREIN A DISQUE POUR VEHICULE UTILITAIRE ET JEU DE GARNITURES DE FREIN**
[72] KRAUSE, OLIVER, DE
[72] KLINGNER, MATTHIAS, DE
[72] PESCHEL, MICHAEL, DE
[72] SCHOFBERGER, TOBIAS, DE
[72] ADAMCZYK, PHILIPP, DE
[71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
[85] 2018-04-06
[86] 2016-10-10 (PCT/EP2016/074157)
[87] (WO2017/060515)
[30] DE (10 2015 117 285.2) 2015-10-09
[30] DE (10 2016 104 970.0) 2016-03-17

[21] **3,001,191**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **LEAFLET SUPPORT DEVICES**
[54] **DISPOSITIFS DE SUPPORT DE FEUILLET**
[72] BRUCHMAN, WILLIAM C., US
[71] W. L. GORE & ASSOCIATES, INC, US
[85] 2018-04-05
[86] 2016-10-06 (PCT/US2016/055644)
[87] (WO2017/062548)
[30] US (62/237,856) 2015-10-06
[30] US (15/286,031) 2016-10-05

[21] **3,001,201**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/131 (2006.01) A61K 31/136 (2006.01) A61K 31/137 (2006.01) A61K 31/4453 (2006.01) A61K 31/498 (2006.01) A61K 31/5375 (2006.01) A61K 31/704 (2006.01) A61K 33/24 (2006.01) A61K 33/36 (2006.01) A61P 35/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **COMBINATION COMPRISING AN AMINOTHIOLESTER COMPOUND OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF AND A COMPOUND ABLE TO INCREASE THE H2O2 LEVEL IN CANCER CELLS OF A SUBJECT**
[54] **COMBINAISON COMPRENANT UN COMPOSE AMINOTHIOLESTER OU UN SEL PHARMACEUTIQUEMENT ACCEPTABLE DE CELUI-CI ET UN COMPOSE CAPABLE D'AUGMENTER LE TAUX DE H2O2 DANS DES CELLULES CANCEREUSES D'UN SUJET**
[72] CEYLAN, ISMAIL, FR
[72] QUASH, GERRY, FR
[72] PEREZ-ALEA, MILEIDYS, FR
[72] MARTIN, GUILLAUME, FR
[71] ADVANCED BIODESIGN, FR
[85] 2018-04-06
[86] 2016-10-14 (PCT/EP2016/074682)
[87] (WO2017/064241)
[30] EP (15306650.1) 2015-10-15

[21] **3,001,204**
[13] A1

[51] **Int.Cl. A61K 31/215 (2006.01) A61K 31/4453 (2006.01) A61K 31/5375 (2006.01) A61P 35/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **AMINOTHIOLESTER COMPOUNDS OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF, FOR USE IN THE TREATMENT OF CANCER**
[54] **COMPOSES D'AMINOTHIOLESTERS OU SELS DE QUALITE PHARMACEUTIQUE DE CEUX-CI POUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] CEYLAN, ISMAIL, FR
[72] QUASH, GERRY, FR
[72] PEREZ-ALEA, MILEIDYS, FR
[72] MARTIN, GUILLAUME, FR
[71] ADVANCED BIODESIGN, FR
[85] 2018-04-06
[86] 2016-10-14 (PCT/EP2016/074697)
[87] (WO2017/064247)
[30] EP (15306649.3) 2015-10-15

[21] **3,001,208**
[13] A1

[51] **Int.Cl. B65G 47/74 (2006.01) A01C 7/00 (2006.01) A01C 7/18 (2006.01) A01C 7/20 (2006.01) A01K 5/00 (2006.01) B65G 15/28 (2006.01) B65G 47/34 (2006.01)**
[25] EN
[54] **MOVABLE WEB APPARATUS**
[54] **APPAREIL DE TOILE MOBILE**
[72] POIRIER, ROLAND, CA
[71] POIRIER, ROLAND, CA
[85] 2018-03-14
[86] 2015-09-18 (PCT/CA2015/050920)
[87] (WO2017/045058)

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[21] **3,001,213**
[13] A1

[51] **Int.Cl. A61M 1/36 (2006.01) G06F 3/0483 (2013.01)**
[25] EN
[54] **USER INTERFACE**
[54] **INTERFACE UTILISATEUR**
[72] EBLER, RALPH J., US
[72] MEDART, DANIEL, DE
[72] HYDE, AIDAN, US
[72] JONES, DWAYNE, CA
[72] ASHTON, WESLEY SCOTT, US
[71] MAQUET CARDIOPULMONARY GMBH, DE
[71] EBLER, RALPH J., US
[71] MEDART, DANIEL, DE
[71] HYDE, AIDAN, US
[71] JONES, DWAYNE, CA
[71] ASHTON, WESLEY SCOTT, US
[85] 2018-04-05
[86] 2016-10-06 (PCT/US2016/055645)
[87] (WO2017/062549)
[30] US (62/238,358) 2015-10-07

[21] **3,001,229**
[13] A1

[51] **Int.Cl. A61K 8/41 (2006.01) A61K 8/362 (2006.01) A61Q 5/12 (2006.01)**
[25] EN
[54] **METHOD AND KIT FOR PROCESSING HAIR**
[54] **PROCEDE ET ENSEMBLE DE TRAITEMENT CAPILLAIRE**
[72] WAGNER, SABINE, AU
[71] IP FULL ASSET LIMITED, CN
[85] 2018-04-06
[86] 2016-01-18 (PCT/CN2016/000029)
[87] (WO2017/059646)
[30] CN (201510645964.6) 2015-10-08

[21] **3,001,231**
[13] A1

[51] **Int.Cl. C07K 16/10 (2006.01) A61K 39/395 (2006.01) A61P 1/16 (2006.01) A61P 31/14 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **ANTIBODY AGAINST HEPATITIS B SURFACE ANTIGEN AND USE THEREOF**
[54] **ANTICORPS ANTI-ANTIGENE DE SURFACE D'HEPATITE B ET SON UTILISATION**
[72] LUO, WENXIN, CN
[72] ZHOU, BING, CN
[72] ZHANG, JUAN, CN
[72] YUAN, QUAN, CN
[72] ZHANG, TIANYING, CN
[72] ZHANG, JUN, CN
[72] XIA, NINGSHAO, CN
[71] XIAMEN UNIVERSITY, CN
[71] YANG SHENG TANG COMPANY, LTD., CN
[85] 2018-04-06
[86] 2016-10-09 (PCT/CN2016/101560)
[87] (WO2017/059813)
[30] CN (201510647977.7) 2015-10-09

[21] **3,001,235**
[13] A1

[51] **Int.Cl. B08B 9/032 (2006.01) F17D 3/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CLEARING A PIPE SYSTEM**
[54] **PROCEDE ET SYSTEME POUR DEBOUCHER UN SYSTEME A TUYAU**
[72] WOUTERS, ROBERT
CHRISTIANUS ANTONIUS, NL
[71] FLUIDOR EQUIPMENT B.V., NL
[85] 2018-04-06
[86] 2016-10-14 (PCT/EP2016/074791)
[87] (WO2017/064293)
[30] NL (2015613) 2015-10-14

[21] **3,001,287**
[13] A1

[51] **Int.Cl. H04N 7/18 (2006.01) B60R 1/00 (2006.01)**
[25] EN
[54] **DISPLAY ASSISTANCE DEVICE AND DISPLAY ASSISTANCE METHOD**
[54] **DISPOSITIF ET PROCEDE D'ASSISTANCE D'AFFICHAGE**
[72] KUSAYANAGI, YOSHINORI, JP
[72] KISHI, NORIMASA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-04-06
[86] 2016-09-09 (PCT/JP2016/076566)
[87] (WO2017/061230)
[30] JP (2015-199918) 2015-10-08

[21] **3,001,292**
[13] A1

[51] **Int.Cl. H04N 21/235 (2011.01) H04H 20/44 (2009.01) H04H 60/82 (2009.01) H04N 21/426 (2011.01)**
[25] EN
[54] **RECEPTION APPARATUS, TRANSMISSION APPARATUS, AND DATA PROCESSING METHOD**
[54] **APPAREIL DE RECEPTION, APPAREIL DE TRANSMISSION ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] MICHAEL, LACHLAN BRUCE, JP
[72] TAKAHASHI, KAZUYUKI, JP
[71] SONY CORPORATION, JP
[85] 2018-04-06
[86] 2016-09-30 (PCT/JP2016/078983)
[87] (WO2017/065020)
[30] JP (2015-203773) 2015-10-15

[21] **3,001,294**
[13] A1

[51] **Int.Cl. D03D 11/00 (2006.01)**
[25] EN
[54] **MULTILAYER FABRIC**
[54] **TISSU MULTICOUCHE**
[72] TAKEI, HIROYUKI, JP
[72] KAMIYA, RYUTA, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[85] 2018-04-06
[86] 2016-09-30 (PCT/JP2016/079026)
[87] (WO2017/065022)
[30] JP (2015-203999) 2015-10-15

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[21] **3,001,298**
[13] A1

[51] **Int.Cl. C22C 21/10 (2006.01) C22F 1/053 (2006.01)**
[25] EN
[54] **OPTIMIZATION OF ALUMINUM HOT WORKING**
[54] **OPTIMISATION DU FORMAGE A CHAUD DE L'ALUMINIUM**
[72] MOHANTY, RASHMI RANJAN, US
[72] BENDZINSKI, DUANE E., US
[72] KULKARNI, RAHUL VILAS, US
[71] NOVELIS INC., US
[85] 2018-04-06
[86] 2016-09-27 (PCT/US2016/053898)
[87] (WO2017/062225)
[30] US (62/238,960) 2015-10-08

[21] **3,001,302**
[13] A1

[51] **Int.Cl. B04B 1/00 (2006.01) B01D 21/26 (2006.01) B04B 5/04 (2006.01) B04B 11/02 (2006.01) B04B 15/00 (2006.01) G01N 15/04 (2006.01)**
[25] EN
[54] **REMOVABLE APPARATUS FOR A CENTRIFUGE AND METHOD OF USING SAME**
[54] **APPAREIL AMOVIBLE POUR CENTRIFUGEUSE ET SON PROCEDE D'UTILISATION**
[72] FITZPATRICK, IAN, US
[72] ROB, MARK, US
[72] CUSICK, ADAM, US
[72] CRAIG, TIM, US
[71] INVETECH, INC., US
[85] 2018-04-06
[86] 2016-09-21 (PCT/US2016/052853)
[87] (WO2017/062176)
[30] US (14/879,163) 2015-10-09

[21] **3,001,305**
[13] A1

[51] **Int.Cl. B03D 1/008 (2006.01) B03D 1/00 (2006.01) B03D 1/001 (2006.01) B03D 1/004 (2006.01) B03D 1/016 (2006.01)**
[25] EN
[54] **MODERATELY OXIDIZED POLYSACCHARIDE DEPRESSANTS FOR USE IN IRON ORE FLOTATION PROCESSES**
[54] **DEPRIMANTS POLYSACCHARIDIQUES MODEREMENT OXYDES DESTINES A ETRE UTILISES DANS DES PROCEDES DE FLOTTATION DE MINERAIS DE FER**
[72] WILSON, DUANE C., US
[71] KEMIRA OYJ, FI
[85] 2018-04-06
[86] 2016-09-26 (PCT/US2016/053700)
[87] (WO2017/062200)
[30] US (62/239,090) 2015-10-08

[21] **3,001,327**
[13] A1

[51] **Int.Cl. E03C 1/04 (2006.01) B01D 35/147 (2006.01) E03B 7/07 (2006.01) E03C 1/05 (2006.01)**
[25] EN
[54] **INTEGRATED FAUCET FILTRATION SYSTEM**
[54] **SYSTEME INTEGRE DE FILTRATION DE ROBINET**
[72] YE, XIAOJING, US
[71] AS IP HOLDCO, LLC, US
[85] 2018-04-06
[86] 2016-09-27 (PCT/US2016/053875)
[87] (WO2017/062224)
[30] US (62/238,910) 2015-10-08

[21] **3,001,328**
[13] A1

[51] **Int.Cl. G06F 17/18 (2006.01)**
[25] EN
[54] **COMPUTER-GENERATED ACCURATE YIELD MAP DATA USING EXPERT FILTERS AND SPATIAL OUTLIER DETECTION**
[54] **DONNEES DE CARTE DE RENDEMENT PRECISES GENEREES PAR ORDINATEUR UTILISANT DES FILTRES D'EXPERT ET UNE DETECTION DE VALEUR ABERRANTE SPATIALE**
[72] FARAH, MARIAN, US
[71] THE CLIMATE CORPORATION, US
[85] 2018-04-06
[86] 2016-10-03 (PCT/US2016/055121)
[87] (WO2017/066021)
[30] US (14/883,517) 2015-10-14

[21] **3,001,336**
[13] A1

[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/047 (2006.01)**
[25] EN
[54] **APPARATUS AND SYSTEM FOR SWING ADSORPTION PROCESSES RELATED THERETO HAVING A PLURALITY OF VALVES**
[54] **APPAREIL ET SYSTEME POUR PROCEDES D'ADSORPTION MODULEE CORRESPONDANTS COMPRENANT PLUSIEURS SOUPAPES**
[72] FOWLER, TRACY A., US
[72] RAMKUMAR, SHWETHA, US
[72] FREDERICK, JEFFREY W., US
[72] NAGAVARAPU, ANANDA K., US
[72] CHIALVO, SEBASTIAN, US
[72] TAMMERA, ROBERT F., US
[72] FULTON, JOHN W., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2018-04-06
[86] 2016-10-04 (PCT/US2016/055303)
[87] (WO2017/074655)
[30] US (62/246,916) 2015-10-27

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[21] **3,001,340**
[13] A1

[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **LIVE ATTENUATED HETEROLOGOUS VACCINE FOR LEPTOSPIRA**
[54] **VACCIN VIVANT ATTENUÉ HÉTÉROLOGUE CONTRE LEPTOSPIRA**
[72] BOMCHIL, NATALIA INES, FR
[72] CUPILLARD, LIONEL PIERRE CHRISTIAN, FR
[72] FONTANA, CELIA, FR
[72] GUIGAL, PIERRE-MICHEL, FR
[72] BOUVET, JEROME, FR
[72] PICARDEAU, MATHIEU, FR
[72] KODJO, ANGELI, FR
[71] MERIAL, INC., US
[71] VETAGRO-SUP, FR
[71] INSTITUT PASTEUR, FR
[85] 2018-04-06
[86] 2016-10-05 (PCT/US2016/055508)
[87] (WO2017/062460)
[30] US (62/239,136) 2015-10-08

[21] **3,001,345**
[13] A1

[51] **Int.Cl. A41D 27/24 (2006.01) A41D 13/002 (2006.01) A41D 27/28 (2006.01) A41D 1/08 (2018.01) A41D 3/02 (2006.01)**
[25] EN
[54] **VENTED GARMENT**
[54] **VETEMENT AÉRE**
[72] PEZZIMENTI, LUKE A., US
[71] NIKE INNOVATE C.V., US
[85] 2018-04-06
[86] 2016-10-06 (PCT/US2016/055626)
[87] (WO2017/062539)
[30] US (14/877,199) 2015-10-07

[21] **3,001,348**
[13] A1

[51] **Int.Cl. B60T 8/88 (2006.01) B60T 17/22 (2006.01)**
[25] EN
[54] **AIRCRAFT BRAKE AND TIRE CONDITION DIAGNOSIS AND PROGNOSIS**
[54] **DIAGNOSTIC ET PRONOSTIC DE CONDITION DE FREIN ET DE PNEU D'AERONEF**
[72] DIRGO, ROBERT T., US
[72] RAJAMANI, RAVI, US
[72] BURKHALTER, KURT, US
[72] ADAMS, JOSHUA H., US
[72] MOSELEY, DOUGLAS D., US
[72] HAMPLIN, KYLE J. (DECEASED), US
[71] MEGGITT AIRCRAFT BRAKING SYSTEMS CORPORATION, US
[85] 2018-04-06
[86] 2016-10-06 (PCT/US2016/055705)
[87] (WO2017/062590)
[30] US (62/238,363) 2015-10-07

[21] **3,001,350**
[13] A1

[51] **Int.Cl. H04L 12/26 (2006.01)**
[25] EN
[54] **SMARTWATCH DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCÉDE POUR MONTRE INTELLIGENTE**
[72] BERARDINELLI, RAYMOND A., US
[71] BERARDINELLI, RAYMOND A., US
[85] 2018-04-06
[86] 2016-10-06 (PCT/US2016/055752)
[87] (WO2017/062621)
[30] US (62/237,664) 2015-10-06
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[30] US (62/338,658) 2016-05-19
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[51] **Int.Cl. G01D 4/00 (2006.01) G01D 18/00 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **DISTRIBUTED SENSOR CALIBRATION**
[54] **ÉTALONNAGE DE CAPTEURS REPARTIS**
[72] MASSON, NICHOLAS BANTLE, US
[71] QSENSE, INC., US
[85] 2018-04-06
[86] 2016-10-06 (PCT/US2016/055800)
[87] (WO2017/062652)
[30] US (14/878,853) 2015-10-08

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[13] A1

[51] **Int.Cl. A61K 36/906 (2006.01) A61K 36/26 (2006.01) A61K 36/268 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR UNWANTED OR ABNORMAL MUSCLE CONTRACTIONS**
[54] **PROCÉDES ET COMPOSITIONS POUR CONTRACTIONS MUSCULAIRES ANORMALES OU NON SOUHAITÉES**
[72] WESTPHAL, CHRISTOPH, US
[72] CERMAK, JENNIFER, US
[72] WESSEL, THOMAS, US
[71] FLEX PHARMA, INC., US
[85] 2018-04-06
[86] 2016-10-06 (PCT/US2016/055821)
[87] (WO2017/062665)
[30] US (62/237,973) 2015-10-06
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[13] A1

[51] **Int.Cl. C07C 1/12 (2006.01) B01J 8/00 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EXTRACTING STRANDED GAS FROM UNDERWATER ENVIRONMENTS, CONVERTING IT TO CLATHRATES, AND SAFELY TRANSPORTING IT FOR CONSUMPTION**
[54] **PROCÉDE ET SYSTÈME POUR EXTRAIRE DU GAZ DÉLAISSÉ D'ENVIRONNEMENTS SOUS-MARINS, SA CONVERSION EN CLATHRATES ET SON TRANSPORT EN TOUTE SÉCURITÉ POUR LA CONSOMMATION**
[72] PHOENIX, STUART L., US
[72] KEZIRIAN, MICHAEL T., US
[71] PHOENIX, STUART L., US
[71] KEZIRIAN, MICHAEL T., US
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[86] 2016-10-07 (PCT/US2016/055912)
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[25] EN	[25] EN	[25] EN
[54] IMPROVED FLARE (FLOW CYTOMETRY ATTENUATED REPORTER EXPRESSION) TECHNOLOGY FOR RAPID BULK SORTING	[54] APPARATUS AND METHOD FOR SECURING MERCHANDISE WITH OPTICAL LOCK AND KEY	[54] STABILIZED ASSEMBLED NANOSTRUCTURES FOR DELIVERY OF ENCAPSULATED AGENTS
[54] TECHNOLOGIE FLARE (FLOW CYTOMETRY ATTENUATED REPORTER EXPRESSION, EXPRESSION DE REPORTER ATTENUÉE PAR CYTOMETRIE EN FLUX) POUR TRI EN VRAC RAPIDE	[54] APPAREIL ET PROCÉDE PERMETTANT DE SECURISER DES MARCHANDISES A L'AIDE D'UN VERROU ET D'UNE CLE OPTIQUE	[54] NANOSTRUCTURES ASSEMBLEES ET STABILISEES POUR L'ADMINISTRATION D'AGENTS ENCAPSULES
[72] CAIRNS, VICTOR R., US	[72] TAYLOR, ROBERT J., US	[72] KARP, JEFFREY, US
[72] CHAVIDA, JOSE IGNACIO SANCHO, US	[72] JONES, NICHOLAUS A., US	[72] JOSHI, NITIN, US
[72] DEMARIA, CHRISTINE, US	[72] VASGAARD, AARON J., US	[72] WIRADHARMA, NIKKEN, US
[71] GENZYME CORPORATION, US	[72] CRUZ, JEFFREY S., US	[72] SLAUGHTER, KAI VINCENT, US
[85] 2018-04-06	[71] WALMART APOLLO, LLC, US	[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[86] 2016-10-07 (PCT/US2016/055915)	[85] 2018-04-06	[85] 2018-04-06
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[30] US (62/239,515) 2015-10-09	[87] (WO2017/062775)	[87] (WO2017/062818)
	[30] US (62/239,511) 2015-10-09	[30] US (62/239,211) 2015-10-08
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[51] Int.Cl. B65D 23/00 (2006.01)	[51] Int.Cl. H04L 12/24 (2006.01) H04L 12/801 (2013.01) H04L 12/26 (2006.01)	[51] Int.Cl. C08G 18/48 (2006.01)
[25] EN	[25] EN	[25] EN
[54] BOTTLE MOUNTING METHODS AND SYSTEMS	[54] AUTOMATIC CUSTOMER BANDWIDTH UTILIZATION ANALYSIS FOR PROMOTING DYNAMIC CAPACITY	[54] COMPOSITE POLYURETHANE FOAM CONTAINING GRAPHENE, AND PREPARATION METHOD AND USE
[54] PROCEDES ET SYSTEMES DE MONTAGE DE BOUTEILLE	[54] ANALYSE AUTOMATIQUE D'UTILISATION DE BANDE PASSANTE PAR LE CLIENT POUR PROMOUVOIR UNE CAPACITE DYNAMIQUE	[54] MOUSSE COMPOSITE DE POLYURETHANE CONTENANT DU GRAPHENE, ET PROCÉDE DE PREPARATION ET UTILISATION
[72] CARPENTER, WILLIAM B., CA	[72] YERMAKOV, SERGEY, US	[72] TANG, YILIN, CN
[71] CARPENTER, WILLIAM B., CA	[72] CAPUTO, PETE J., II, US	[72] ZHANG, JINZHU, CN
[85] 2018-04-09	[71] LEVEL 3 COMMUNICATIONS, LLC, US	[72] PENG, WENJIE, CN
[86] 2016-10-07 (PCT/CA2016/051172)	[85] 2018-04-06	[72] WANG, SHUANGCHENG, CN
[87] (WO2017/059543)	[86] 2016-10-07 (PCT/US2016/056037)	[72] LIU, DING, CN
[30] US (62/239,580) 2015-10-09	[87] (WO2017/062795)	[71] JINAN SHENGQUAN GROUP SHARE HOLDING CO., LTD., CN
	[30] US (14/877,294) 2015-10-07	[85] 2018-04-09
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		[87] (WO2017/071359)
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[54] **METHOD FOR DETERMINING THE QUALITY OF A SEMEN OF A VERTEBRATE ANIMAL**

[54] **PROCEDE DE DETERMINATION DE LA QUALITE D'UNE SEMENCE D'UN ANIMAL VERTEBRE**

[72] GUILLAUME, FRANCOIS, FR
[72] LE CORVEC, MAENA, FR
[72] DE BRETAGNE, THOMAS, FR
[72] MICHEL, GILDAS, FR
[72] BASQUIN, STEPHANE, FR
[72] CHARREAUX, FREDERIC, FR
[72] TARIEL, HUGHES, FR
[72] GUYONNET, BENOIT, FR
[71] UNION EVOLUTION, FR
[85] 2018-04-09
[86] 2016-10-15 (PCT/FR2016/052671)
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[13] A1

[51] **Int.Cl. B62K 11/02 (2006.01) B62K 11/00 (2013.01)**

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[54] **ELECTRIC BALANCING SWING CAR**

[54] **CABINE D'OSCILLATION A EQUILIBRAGE ELECTRIQUE**

[72] YING, JIAWEI, CN
[71] HANGZHOU CHIC INTELLIGENT TECHNOLOGY CO., LTD., CN
[85] 2018-04-09
[86] 2016-09-19 (PCT/CN2016/099353)
[87] (WO2017/063477)
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[13] A1

[51] **Int.Cl. B07B 1/50 (2006.01) B01D 29/62 (2006.01) B07B 13/16 (2006.01) D21D 5/04 (2006.01)**

[25] FR

[54] **SEPARATION DEVICE**

[54] **DISPOSITIF DE SEPARATION**

[72] POTTIER, STEPHAN, FR
[72] FERNANDEZ DE GRADO, ALAIN, FR
[71] KADANT LAMORT, FR
[85] 2018-04-09
[86] 2017-01-20 (PCT/FR2017/050125)
[87] (WO2017/125692)
[30] FR (1650528) 2016-01-22
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[54] **PHARMACEUTICAL COMPOSITIONS OF IL-2**

[54] **COMPOSITIONS PHARMACEUTIQUES D'IL-2**

[72] MARIAU, JEREMIE, FR
[72] THIRY, MICHEL, BE
[71] ILTOO PHARMA, FR
[85] 2018-04-09
[86] 2016-10-20 (PCT/EP2016/075204)
[87] (WO2017/068031)
[30] EP (15306696.4) 2015-10-22

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[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01)**

[25] EN

[54] **IMAGE PROCESSING METHOD AND DEVICE FOR LED DISPLAY SCREEN**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'IMAGE POUR ECRAN D'AFFICHAGE A DIODES ELECTROLUMINESCENTES (DEL)**

[72] CHANG, MING, CN
[71] LEYARD OPTOELECTRONIC CO., LTD., CN
[85] 2018-04-09
[86] 2015-11-17 (PCT/CN2015/094836)
[87] (WO2017/059620)
[30] CN (201510649260.6) 2015-10-09

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[13] A1

[51] **Int.Cl. C07D 233/90 (2006.01) A61P 23/00 (2006.01)**

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[54] **ETOMIDATE DERIVATIVE AND INTERMEDIATE, PREPARATION METHOD AND USE THEREOF**

[54] **DERIVE ETOMIDATE ET INTERMEDIAIRE, PROCEDE DE PREPARATION ET UTILISATION DE CE DERNIER**

[72] LI, QINGENG, CN
[72] WANG, TAO, CN
[72] ZENG, LINGGUO, CN
[72] ZHANG, GUISHENG, CN
[72] XU, XIANGQING, CN
[72] REN, LIANG, CN
[71] JIANGSU NHWALUOKANG PHARMCEUTICAL RESEARCH AND DEVELOPMENT CO., LTD., CN
[85] 2018-04-09
[86] 2016-10-10 (PCT/CN2016/101696)
[87] (WO2017/059827)
[30] CN (201510650913.2) 2015-10-10

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[13] A1

[51] **Int.Cl. F41A 9/30 (2006.01) F41A 9/55 (2006.01) F41A 9/79 (2006.01) F41A 9/86 (2006.01)**

[25] FR

[54] **DEVICE FOR FEEDING MEDIUM-CALIBRE AMMUNITION WITH A ROTATING PLATE**

[54] **DISPOSITIF D'ALIMENTATION EN MUNITIONS DE MOYEN CALIBRE A PLATEAU TOURNANT**

[72] COLOMINE, ANTHONY, BE
[72] GRITSKEVITCH, INNOKENTY, BE
[72] FARINELLA, DOMENICO, BE
[71] CMI DEFENCE S.A., BE
[85] 2018-04-09
[86] 2016-10-24 (PCT/EP2016/075512)
[87] (WO2017/080800)
[30] US (62/253,236) 2015-11-10
[30] BE (2015/5827) 2015-12-17

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[54] **IMMUNOGENIC FUSION PROTEIN**

[54] **PROTEINE DE FUSION IMMUNOGENE**

[72] PEDERSEN, PER BO, DK

[71] MINERVAX APS, DK

[85] 2018-04-09

[86] 2016-10-21 (PCT/EP2016/075356)

[87] (WO2017/068112)

[30] SE (1551363-3) 2015-10-21

[30] SE (1551725-3) 2015-12-30

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[13] A1

[51] **Int.Cl. C07C 5/48 (2006.01) C07C 7/04 (2006.01) C07C 7/11 (2006.01) C07C 9/06 (2006.01) C07C 11/04 (2006.01) C07C 51/215 (2006.01) C07C 51/48 (2006.01) C07C 53/08 (2006.01)**

[25] EN

[54] **ETHANE OXIDATIVE DEHYDROGENATION AND ACETIC ACID RECOVERY**

[54] **DESHYDROGENATION OXYDATIVE DE L'ETHANE ET RECUPERATION D'ACIDE ACETIQUE**

[72] MITKIDIS, GEORGIOS, NL

[72] SAN ROMAN MACIA, MARIA, NL

[72] ROSSUM VAN, GUUS, NL

[72] SCHOONEBEEK, RONALD JAN, NL

[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2018-04-09

[86] 2016-10-25 (PCT/EP2016/075593)

[87] (WO2017/072086)

[30] EP (15191401.7) 2015-10-26

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/606 (2006.01)**

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[54] **OPTIMIZED HIGH-DOSE MESALAZINE-CONTAINING TABLET**

[54] **COMPRIME OPTIMISE HAUTEMENT DOSE CONTENANT DE LA MESALAZINE**

[72] WILHELM, RUDOLPH, DE

[72] PROLS, MARKUS, DE

[72] GREINWALD, ROLAND, DE

[72] NACAK, TANJU, DE

[71] DR. FALK PHARMA GMBH, DE

[85] 2018-04-09

[86] 2016-10-21 (PCT/EP2016/075427)

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[13] A1

[51] **Int.Cl. B60K 35/00 (2006.01)**

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[54] **VEHICULAR DISPLAY DEVICE AND VEHICULAR DISPLAY METHOD**

[54] **DISPOSITIF D'AFFICHAGE DE VEHICULE ET PROCEDE D'AFFICHAGE DE VEHICULE**

[72] KOSAKA, NORIO, JP

[72] YAMAMOTO, TETSUYA, JP

[72] WATANABE, HIROSHI, JP

[72] SHISHIDO, MASAYUKI, JP

[72] MARUYAMA, KENJI, JP

[71] NISSAN MOTOR CO., LTD., JP

[85] 2018-04-09

[86] 2015-10-09 (PCT/JP2015/078779)

[87] (WO2017/061035)

[21] **3,001,438**
[13] A1

[51] **Int.Cl. F41H 5/04 (2006.01)**

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[54] **IMPACT RESISTANT COMPOSITE MATERIAL**

[54] **MATERIAU COMPOSITE RESISTANT AUX CHOCS**

[72] SCHEERDER, JURGEN, NL

[71] DSM IP ASSETS B.V., NL

[85] 2018-04-09

[86] 2016-11-11 (PCT/EP2016/077422)

[87] (WO2017/081246)

[30] EP (15194512.8) 2015-11-13

[30] EP (16168157.2) 2016-05-03

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[13] A1

[51] **Int.Cl. F16K 15/06 (2006.01) C22B 23/00 (2006.01)**

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[54] **CONE VALVE**

[54] **CLAPET A CONE**

[72] JINNO, HIROKI, JP

[72] GOTOU, TETSUROU, JP

[72] KATO, ATSUSHI, JP

[71] SUMITOMO METAL MINING CO., LTD., JP

[85] 2018-04-09

[86] 2016-06-10 (PCT/JP2016/067346)

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[51] **Int.Cl. H04W 8/26 (2009.01) H04W 28/06 (2009.01) H04W 84/12 (2009.01)**

[25] EN

[54] **COMMUNICATION DEVICE AND COMMUNICATION METHOD**

[54] **DISPOSITIF DE COMMUNICATION ET PROCEDE DE COMMUNICATION**

[72] SUGAYA, SHIGERU, JP

[71] SONY CORPORATION, JP

[85] 2018-04-09

[86] 2016-08-02 (PCT/JP2016/072690)

[87] (WO2017/064902)

[30] JP (2015-204734) 2015-10-16

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[13] A1

[51] **Int.Cl. F41H 5/04 (2006.01)**

[25] EN

[54] **IMPACT RESISTANT COMPOSITE MATERIAL**

[54] **MATERIAU COMPOSITE A RESISTANCE A L'IMPACT**

[72] SCHEERDER, JURGEN, NL

[71] DSM IP ASSETS B.V., NL

[85] 2018-04-09

[86] 2016-11-11 (PCT/EP2016/077461)

[87] (WO2017/081270)

[30] EP (15194549.0) 2015-11-13

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[13] A1

[51] **Int.Cl. B23K 11/16 (2006.01) B23K 11/11 (2006.01) B23K 11/24 (2006.01)**
[25] EN
[54] **SPOT WELDED JOINT AND SPOT WELDING METHOD**
[54] **JOINT SOUDE PAR POINTS ET PROCEDE DE SOUDAGE PAR POINTS**
[72] YOSHINAGA, CHISATO, JP
[72] FURUSAKO, SEIJI, JP
[72] WATANABE, FUMINORI, JP
[72] MIYAZAKI, YASUNOBU, JP
[72] OKADA, TOHRU, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-04-09
[86] 2015-10-16 (PCT/JP2015/079368)
[87] (WO2017/064817)

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[13] A1

[51] **Int.Cl. A61M 15/06 (2006.01) A24F 47/00 (2006.01) A61M 11/04 (2006.01)**
[25] EN
[54] **NON-COMBUSTIBLE SMOKING DEVICE AND ELEMENTS THEREOF**
[54] **DISPOSITIF A FUMER NON COMBUSTIBLE ET ELEMENTS DE CELUI-CI**
[72] TUCKER, CHRISTOPHER S., US
[72] SMITH, BARRY S., US
[72] CADIEUX, EDMOND J., US
[72] BENNETT, DAVID, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-09
[86] 2016-11-30 (PCT/EP2016/079343)
[87] (WO2017/093357)
[30] US (62/260,793) 2015-11-30

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[13] A1

[51] **Int.Cl. A61M 1/36 (2006.01) B01D 15/08 (2006.01) B01J 20/02 (2006.01) B01J 20/06 (2006.01) B01J 20/28 (2006.01) C01F 17/00 (2006.01) C01G 23/047 (2006.01)**
[25] EN
[54] **PHOSPHORUS ADSORBENT, POROUS FIBER AND PHOSPHORUS ADSORPTION COLUMN**
[54] **ADSORBANT DE PHOSPHORE, FIBRE POREUSE ET COLONNE D'ADSORPTION DE PHOSPHORE**
[72] HAN, AISHAN, JP
[72] IWAKAWA, SARI, JP
[72] UENO, YOSHIYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-04-09
[86] 2016-11-11 (PCT/JP2016/083574)
[87] (WO2017/094478)
[30] JP (2015-232770) 2015-11-30
[30] JP (2015-232771) 2015-11-30

[21] **3,001,445**
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[51] **Int.Cl. H01M 4/86 (2006.01) H01M 8/10 (2016.01)**
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[54] **GAS DIFFUSION ELECTRODE AND FUEL CELL**
[54] **ELECTRODE DE DIFFUSION DE GAZ ET PILE A COMBUSTIBLE**
[72] TANIMURA, YASUAKI, JP
[72] UTSUNOMIYA, MASAMICHI, JP
[72] WAKATABE, MICHIO, JP
[72] KAMAE, TOSHIYA, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-04-09
[86] 2016-12-16 (PCT/JP2016/087627)
[87] (WO2017/110693)
[30] JP (2015-251779) 2015-12-24

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[51] **Int.Cl. A61M 15/06 (2006.01) A24F 47/00 (2006.01) A61M 11/04 (2006.01)**
[25] EN
[54] **NON-COMBUSTIBLE SMOKING DEVICE AND ELEMENTS THEREOF**
[54] **DISPOSITIF A FUMER NON COMBUSTIBLE ET ELEMENTS ASSOCIES**
[72] KARLES, GEORGIOS D., US
[72] LI, SAN, US
[72] RAGLAND, BEN, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-09
[86] 2016-11-30 (PCT/EP2016/079344)
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[30] US (62/260,761) 2015-11-30

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[51] **Int.Cl. C08J 5/24 (2006.01) B29C 70/10 (2006.01) B32B 5/28 (2006.01)**
[25] EN
[54] **INCISED PREPREG, CROSS-PLY LAMINATE, AND PRODUCTION METHOD FOR INCISED PREPREG**
[54] **PREIMPREGNE ENTAILLE, STRATIFIEES A PLIS CROISES, ET PROCEDE DE PRODUCTION DE PREIMPREGNE ENTAILLE**
[72] FUJITA, YUZO, JP
[72] NAITO, YUTA, JP
[72] TAKETA, ICHIRO, JP
[72] KAWAMOTO, SHIORI, JP
[72] KOYAMA, YOSHITAKA, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2018-04-09
[86] 2016-10-20 (PCT/JP2016/081170)
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[30] JP (2015-210445) 2015-10-27
[30] JP (2015-253487) 2015-12-25
[30] JP (2016-051891) 2016-03-16

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<p style="text-align: center;">[21] 3,001,448 [13] A1</p> <p>[51] Int.Cl. A61B 5/145 (2006.01) A61M 5/168 (2006.01) G06F 19/00 (2018.01)</p> <p>[25] EN</p> <p>[54] MEDICAL ARRANGEMENTS AND A METHOD FOR DETERMINING PARAMETERS RELATED TO INSULIN THERAPY, PREDICTING GLUCOSE VALUES AND FOR PROVIDING INSULIN DOSING RECOMMENDATIONS</p> <p>[54] SYSTEMES MEDICAUX ET PROCEDE POUR DETERMINER DES PARAMETRES LIES A L'INSULINOTHERAPIE, POUR PREDIRE DES VALEURS DE GLUCOSE ET POUR FOURNIR DES RECOMMANDATIONS DE DOSAGE D'INSULINE</p> <p>[72] STAHL, FREDRIK, SE [71] DIANOVATOR AB, SE [85] 2018-04-06 [86] 2016-10-07 (PCT/SE2016/050966) [87] (WO2017/061943) [30] SE (1530154-2) 2015-10-09</p>	<p style="text-align: center;">[21] 3,001,450 [13] A1</p> <p>[51] Int.Cl. E21B 4/00 (2006.01) E21B 17/00 (2006.01) E21B 41/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CATCH MECHANISM FOR RETAINING COMPONENTS IN A DOWNHOLE MOTOR</p> <p>[54] MECANISME DE VERROUILLAGE POUR RETENIR DES COMPOSANTS DANS UN MOTEUR EN PROFONDEUR DE FORAGE</p> <p>[72] SADABADI, HAMMID, CA [72] GHARIB, HOSSAM, CA [71] HALLIBURTON ENERGY SERVICES, INC., US [85] 2018-04-09 [86] 2015-11-19 (PCT/US2015/061531) [87] (WO2017/086967)</p>	<p style="text-align: center;">[21] 3,001,452 [13] A1</p> <p>[51] Int.Cl. C07D 215/48 (2006.01) A61K 31/4709 (2006.01) A61K 31/473 (2006.01) A61K 31/496 (2006.01) A61K 31/499 (2006.01) A61K 31/4995 (2006.01) A61P 35/00 (2006.01) C07D 295/182 (2006.01) C07D 471/02 (2006.01) C07D 471/04 (2006.01) C07D 471/08 (2006.01) C07D 471/10 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOUNDS FOR TREATMENT OF CANCER AND EPIGENETICS</p> <p>[54] COMPOSES DESTINES AU TRAITEMENT DU CANCER ET EPIGENETIQUE</p> <p>[72] FOO, KLEMENT JIHAO, SG [72] POULSEN, ANDERS, SG [72] KELLER, THOMAS HUGO, SG [72] LIEW, SI SI, SG [72] CHIA, CHENG SAN BRIAN, SG [72] ANG, JIN YAN MELGIOUS, SG [72] HUANG, CHUHUI, SG [71] AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH, SG [85] 2018-04-06 [86] 2016-10-10 (PCT/SG2016/050499) [87] (WO2017/061957) [30] SG (10201508413Q) 2015-10-09</p>
<p style="text-align: center;">[21] 3,001,449 [13] A1</p> <p>[51] Int.Cl. E21B 49/08 (2006.01) E21B 33/13 (2006.01) E21B 47/00 (2012.01)</p> <p>[25] EN</p> <p>[54] SWITCHABLE MULTI-ANTENNA FLUID SENSING</p> <p>[54] DETECTION DE FLUIDE A ANTENNES MULTIPLES COMMUTABLES</p> <p>[72] TRAN, THANH T., US [72] RAVI, KRIS, US [72] ALAAS, YOUSEF H., US [72] SCHAECHER, WILLIAM J., US [72] BHUIYAN, ARIFUL I., US [71] HALLIBURTON ENERGY SERVICES, INC., US [85] 2018-04-06 [86] 2015-11-23 (PCT/US2015/062101) [87] (WO2017/091193)</p>	<p style="text-align: center;">[21] 3,001,451 [13] A1</p> <p>[51] Int.Cl. A61F 2/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MEDICAL DEVICE HAVING REMOVABLE DEPLOYMENT DEVICE AND AFFIXATION ELEMENT</p> <p>[54] DISPOSITIF MEDICAL PRESENTANT UN DISPOSITIF DE DEPLOIEMENT AMOVIBLE ET UN ELEMENT DE FIXATION</p> <p>[72] FILIPIAK, DAVID, US [72] LEPAGE, ALBERT A., US [72] HORTON, ANTHONY R., US [71] ATRIUM MEDICAL CORPORATION, US [71] FILIPIAK, DAVID, US [71] LEPAGE, ALBERT A., US [71] HORTON, ANTHONY R., US [85] 2018-04-06 [86] 2015-10-08 (PCT/US2015/054670) [87] (WO2017/062010) [30] US (14/878,091) 2015-10-08</p>	<p style="text-align: center;">[21] 3,001,453 [13] A1</p> <p>[51] Int.Cl. G06F 17/30 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR PERFORMING A PROBABILISTIC TOPIC ANALYSIS OF SEARCH QUERIES FOR A CUSTOMER SUPPORT SYSTEM</p> <p>[54] PROCEDE ET SYSTEME POUR LA REALISATION D'UNE ANALYSE DE SUJETS PROBABILISTE D'INTERROGATIONS DE RECHERCHE POUR UN SYSTEME D'ASSISTANCE CLIENTELE</p> <p>[72] PODGORNY, IGOR A., US [72] BARTOLOME, WARREN, US [72] PATTERSON, NOLAN RICHARD, US [71] INTUIT INC., US [85] 2018-04-09 [86] 2016-03-31 (PCT/US2016/025119) [87] (WO2017/074494) [30] US (14/926,232) 2015-10-29</p>

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[21] **3,001,454**
[13] A1

[51] **Int.Cl. A61F 5/05 (2006.01) A61F 5/052 (2006.01) A61F 5/058 (2006.01)**
[25] EN
[54] **SWING TRAINING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT AU SWING**
[72] CANSECO, JOSE, US
[71] SPORTS 40 40 LLC, US
[85] 2018-04-09
[86] 2016-10-07 (PCT/US2016/056095)
[87] (WO2017/062836)
[30] US (62/239,669) 2015-10-09

[21] **3,001,455**
[13] A1

[51] **Int.Cl. G01N 27/90 (2006.01)**
[25] EN
[54] **DRIVE COIL FOR EDDY CURRENT INSPECTION PROBE**
[54] **BOBINE D'EXCITATION POUR SONDE D'INSPECTION PAR COURANTS DE FOUCAULT**
[72] RENSING, NOA M., US
[71] ZETEC, INC., US
[85] 2018-04-09
[86] 2016-07-27 (PCT/US2016/044229)
[87] (WO2017/019755)
[30] US (62/197,963) 2015-07-28

[21] **3,001,456**
[13] A1

[51] **Int.Cl. H01H 13/83 (2006.01)**
[25] EN
[54] **WIRELESS CONTROL DEVICE HAVING A FACEPLATE WITH ILLUMINATED INDICIA**
[54] **DISPOSITIF DE COMMANDE SANS FIL AYANT UNE PLAQUE FRONTALE AVEC SYMBOLES LUMINEUX**
[72] GAGE, ALEXANDER WADE, US
[72] MCDONALD, MATTHEW PHILIP, US
[72] SHIVELL, WILLIAM TAYLOR, US
[72] SIMCHAYOFF, ALAN, US
[72] VINOKUROV, DMITRIY, US
[71] LUTRON ELECTRONICS CO., INC., US
[85] 2018-04-09
[86] 2016-10-07 (PCT/US2016/056110)
[87] (WO2017/062851)
[30] US (62/239,741) 2015-10-09

[21] **3,001,458**
[13] A1

[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/035 (2006.01)**
[25] EN
[54] **BENEFICIATING WEIGHTING AGENTS**
[54] **VALORISATION D'AGENTS ALOURDISSANT**
[72] NEWMAN, KATERINA V., US
[72] JAMISON, DALE E., US
[72] CHAUVIN, EARL JOSEPH, US
[72] AYAPBERGENOV, YERZHAN, US
[72] JACKSON, BRICE AARON, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-09
[86] 2015-12-07 (PCT/US2015/064189)
[87] (WO2017/099704)

[21] **3,001,459**
[13] A1

[51] **Int.Cl. A47L 13/12 (2006.01)**
[25] EN
[54] **BROOM HOLDER**
[54] **PORTE-BALAI**
[72] REYES, RUBEN, US
[71] REYES, RUBEN, US
[85] 2018-04-09
[86] 2016-10-07 (PCT/US2016/056145)
[87] (WO2017/062880)
[30] US (14/879,486) 2015-10-09

[21] **3,001,460**
[13] A1

[51] **Int.Cl. C11B 3/02 (2006.01) C11B 3/04 (2006.01) C11B 3/06 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING NEUTRAL OIL LOSSES DURING NEUTRALIZATION STEP**
[54] **PROCEDE PERMETTANT DE REDUIRE LES PERTES D'HUILE NEUTRE LORS D'UNE ETAPE DE NEUTRALISATION**
[72] KOZYUK, OLEG, US
[72] REIMERS, PETER, US
[71] ARISDYNE SYSTEMS, INC., US
[85] 2018-04-09
[86] 2016-10-03 (PCT/US2016/055169)
[87] (WO2017/066027)
[30] US (62/241,420) 2015-10-14

[21] **3,001,461**
[13] A1

[51] **Int.Cl. A61B 3/10 (2006.01) A61B 3/11 (2006.01) A61B 3/113 (2006.01) A61B 3/14 (2006.01) A61B 5/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PHYSIOLOGIC AND PHARMACODYNAMIC ASSESSMENT AND MONITORING**
[54] **APPAREIL ET PROCEDE POUR L'EVALUATION ET LA SURVEILLANCE PHYSIOLOGIQUES ET PHARMACODYNAMIQUES**
[72] FINKEL, JULIA C., US
[71] CHILDREN'S NATIONAL MEDICAL CENTER, US
[85] 2018-04-09
[86] 2016-10-11 (PCT/US2016/056420)
[87] (WO2017/062985)
[30] US (62/284,787) 2015-10-09

[21] **3,001,462**
[13] A1

[51] **Int.Cl. B60F 3/00 (2006.01)**
[25] EN
[54] **AMPHIBIAN**
[54] **VEHICULE AMPHIBIE**
[72] GIBBS, ALAN TIMOTHY, GB
[72] LONGDILL, SIMON JAMES, GB
[72] HOUSTON, MATTHEW WATSON, GB
[71] GIBBS TECHNOLOGIES LIMITED, GB
[85] 2018-04-09
[86] 2015-10-12 (PCT/GB2015/052992)
[87] (WO2016/055817)
[30] GB (1418008.7) 2014-10-10
[30] GB (1509901.3) 2015-06-08

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[21] **3,001,463**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) G06F 12/14 (2006.01)**

[25] EN

[54] **ASSESSING EFFECTIVENESS OF CYBERSECURITY TECHNOLOGIES**

[54] **EVALUATION DE L'EFFICACITE DE TECHNOLOGIES DE CYBERSECURITE**

[72] ZAFFARANO, KARA, US
[72] TAYLOR, JOSHUA, US
[72] HAMILTON, SAMUEL, US
[71] SIEGE TECHNOLOGIES LLC, US
[85] 2018-04-09
[86] 2016-10-06 (PCT/US2016/055670)
[87] (WO2017/116525)
[30] US (62/238,974) 2015-10-08
[30] US (62/374,953) 2016-08-15

[21] **3,001,465**
[13] A1

[51] **Int.Cl. A47C 21/04 (2006.01) A47C 21/06 (2006.01) A47C 31/10 (2006.01) A47G 9/02 (2006.01)**

[25] EN

[54] **ZONED SHEETS**

[54] **DRAPS A ZONES**

[72] ALLETTO, EUGENE, JR., US
[71] BEDGEAR, LLC, US
[71] ALLETTO, EUGENE, JR., US
[85] 2018-04-09
[86] 2016-10-06 (PCT/US2016/055702)
[87] (WO2017/062588)
[30] US (62/238,993) 2015-10-08

[21] **3,001,466**
[13] A1

[51] **Int.Cl. B27B 5/18 (2006.01) B23D 45/02 (2006.01) B23D 45/18 (2006.01)**

[25] EN

[54] **A CROSS-CUTTING CIRCULAR SAW DEVICE AND A METHOD OF CROSS-CUTTING AN OBJECT BY A CIRCULAR SAW DEVICE**

[54] **DISPOSITIF DE SCIE CIRCULAIRE A COUPE TRANSVERSALE ET PROCEDE DE COUPE TRANSVERSALE D'UN OBJET PAR UN DISPOSITIF DE SCIE CIRCULAIRE**

[72] ANDREASSON, BENGT, SE
[72] ANDREASSON, TOMAS, SE
[71] IKEA SUPPLY AG, CH
[85] 2018-04-09
[86] 2016-10-13 (PCT/SE2016/050985)
[87] (WO2017/065679)
[30] SE (1551326-0) 2015-10-14

[21] **3,001,467**
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 31/4745 (2006.01)**

[25] EN

[54] **STABILIZING CAMPTOTHECIN PHARMACEUTICAL COMPOSITIONS**

[54] **STABILISATION DE COMPOSITIONS PHARMACEUTIQUES DE CAMPTOTHECINE**

[72] DRUMMOND, DARYL C., US
[72] KIRPOTIN, DMITRI B., US
[72] HAYES, MARK EAMON, US
[72] NOBLE, CHARLES, US
[72] KESPER, KEVIN, US
[72] AWAD, ANTOINE M., US
[72] MOORE, DOUGLAS J., US
[72] O'BRIEN, ANDREW J., US
[71] IPSEN BIOPHARM LTD., GB
[85] 2018-04-09
[86] 2016-10-15 (PCT/US2016/057247)
[87] (WO2017/066726)
[30] US (62/242,873) 2015-10-16
[30] US (62/242,835) 2015-10-16
[30] US (62/244,082) 2015-10-20
[30] US (62/244,061) 2015-10-20

[21] **3,001,468**
[13] A1

[51] **Int.Cl. C01B 3/16 (2006.01)**

[25] EN

[54] **WATER GAS SHIFT PROCESS**

[54] **PROCEDE DE CONVERSION DE GAZ A L'EAU**

[72] CARASS, DAVID, GB
[72] GERMANI, GABRIELE, GB
[72] MACLEOD, NORMAN, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2018-04-09
[86] 2016-10-14 (PCT/GB2016/053180)
[87] (WO2017/072479)
[30] GB (1519139.8) 2015-10-29

[21] **3,001,469**
[13] A1

[51] **Int.Cl. A47K 5/14 (2006.01) B05B 7/00 (2006.01) B05B 11/00 (2006.01)**

[25] EN

[54] **FOAMING COMPONENT**

[54] **ELEMENT MOUSSANT**

[72] BANKS, STEWART, GB
[72] LIMBERT, DEAN, GB
[72] LANG, CHRIS, GB
[72] KIDD, JACK, GB
[72] BUTLER, ROB, GB
[71] DEB IP LIMITED, GB
[85] 2018-04-09
[86] 2016-10-25 (PCT/GB2016/053317)
[87] (WO2017/077269)
[30] GB (1519298.2) 2015-11-02

[21] **3,001,470**
[13] A1

[51] **Int.Cl. G01F 3/22 (2006.01) G01D 11/24 (2006.01) G01F 3/06 (2006.01)**

[25] EN

[54] **FLOW SENSOR ASSEMBLY**

[54] **ENSEMBLE CAPTEUR D'ECOULEMENT**

[72] HENRIKSEN, KIM ANDRE, NO
[72] TORJUSSEN, KENNETH, NO
[71] CAMERON TECHNOLOGIES LIMITED, NL
[85] 2018-04-09
[86] 2016-10-12 (PCT/US2016/056647)
[87] (WO2017/066326)
[30] NO (20151376) 2015-10-12

[21] **3,001,471**
[13] A1

[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/28 (2006.01) C10L 3/10 (2006.01)**

[25] EN

[54] **COMPOSITION AND PROCESS FOR GAS DEHYDRATION**

[54] **COMPOSITION ET PROCEDE DE DESHYDRATATION DE GAZ**

[72] LAROCHE, CHRISTOPHE R., US
[72] HASSANZADEH, ARMIN, US
[72] KLINKER, ERIC J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2018-04-06
[86] 2016-10-03 (PCT/US2016/055099)
[87] (WO2017/069929)
[30] US (62/243,420) 2015-10-19

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[21] **3,001,472**
[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61P 3/06 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING LACTOBACILLUS PLANTARUM 2830 (ECGC 13110402)**
[54] **COMPOSITION COMPRENANT LE LACTOBACILLUS PLANTARUM 2830 (ECGC 13110402)**
[72] O'HARA, STEPHEN PATRICK, GB
[71] OPTIBIOTIX LIMITED, GB
[85] 2018-04-09
[86] 2016-11-02 (PCT/GB2016/053389)
[87] (WO2017/077285)
[30] GB (1519326.1) 2015-11-02

[21] **3,001,473**
[13] A1

[51] **Int.Cl. G03F 7/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLED EXPOSURE OF FLEXOGRAPHIC PRINTING PLATES**
[54] **SYSTEME ET PROCEDE D'EXPOSITION COMMANDEE DE PLAQUES D'IMPRESSION FLEXOGRAPHIQUE**
[72] WOLTERINK, JORG, DE
[72] HANSEL, THOMAS, DE
[72] SIEVERS, WOLFGANG, DE
[71] ESKO-GRAPHICS IMAGING GMBH, DE
[85] 2018-04-09
[86] 2016-10-26 (PCT/IB2016/001660)
[87] (WO2017/072588)
[30] US (62/246,276) 2015-10-26

[21] **3,001,474**
[13] A1

[51] **Int.Cl. H04N 21/431 (2011.01) H04H 60/73 (2009.01) H04N 21/235 (2011.01) H04N 21/435 (2011.01) H04N 5/262 (2006.01) H04N 5/445 (2011.01)**
[25] EN
[54] **VIDEO-PRODUCTION SYSTEM WITH METADATA-BASED DVE FEATURE**
[54] **SYSTEME DE PRODUCTION VIDEO AYANT UNE CARACTERISTIQUE DVE BASEE SUR DES METADONNEES**
[72] HUNDEMER, HANK J., US
[71] TRIBUNE BROADCASTING COMPANY, LLC, US
[85] 2018-04-09
[86] 2016-10-17 (PCT/US2016/057281)
[87] (WO2017/066737)
[30] US (62/242,593) 2015-10-16

[21] **3,001,475**
[13] A1

[51] **Int.Cl. D21H 27/02 (2006.01) D21H 27/22 (2006.01) D21H 27/30 (2006.01) D21H 27/32 (2006.01) D21H 27/34 (2006.01)**
[25] EN
[54] **DISPOSABLE TOWEL PRODUCED WITH LARGE VOLUME SURFACE DEPRESSIONS**
[54] **SERVIETTE JETABLE A CAVITES DE SURFACE DE GRAND VOLUME**
[72] SEALEY, JAMES E., US
[72] MILLER, BYRD TYLER, US
[72] GRUNWALD, JEFFREY, US
[72] HARRIS, ASHLEY, US
[72] PENCE, JUSTIN S., US
[71] FIRST QUALITY TISSUE, LLC, US
[85] 2018-04-09
[86] 2016-10-13 (PCT/US2016/056871)
[87] (WO2017/066465)
[30] US (62/240,880) 2015-10-13

[21] **3,001,476**
[13] A1

[51] **Int.Cl. C12H 1/22 (2006.01) C12G 1/00 (2006.01) C12G 3/00 (2006.01) C12G 3/04 (2006.01) C12G 3/06 (2006.01) C12G 3/07 (2006.01)**
[25] EN
[54] **ALCOHOLIC BEVERAGE AND METHOD OF MAKING THE SAME**
[54] **BOISSON ALCOOLISEE ET SON PROCEDE DE FABRICATION**
[72] HALL, DOUGLAS B., US
[72] FORSEE, BRUCE, US
[72] GIRGASH, JOSEPH M., US
[72] BEAUPRE, JAMES J., US
[71] EDRINGTON DISTILLERS LIMITED, GB
[85] 2018-04-09
[86] 2016-10-17 (PCT/US2016/057297)
[87] (WO2017/066740)
[30] US (62/242,396) 2015-10-16

[21] **3,001,477**
[13] A1

[51] **Int.Cl. A61F 2/16 (2006.01) G02B 1/06 (2006.01) G02B 3/04 (2006.01) G02B 3/06 (2006.01) G02B 3/12 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **ACCOMMODATING INTRAOCULAR LENSES AND METHODS OF MANUFACTURING**
[54] **LENTILLES INTRAOCULAIRES D'ACCOMMODATION ET PROCEDES DE FABRICATION**
[72] HILDEBRAND, DANIEL, US
[72] SMILEY, TERAH WHITING, US
[72] LEWIS, NATHAN, US
[72] ANGELOPOULOS, ROBERT, US
[71] POWERVISION, INC., US
[85] 2018-04-09
[86] 2016-11-07 (PCT/US2016/060799)
[87] (WO2017/079733)
[30] US (62/252,260) 2015-11-06
[30] US (62/321,678) 2016-04-12
[30] US (62/321,704) 2016-04-12
[30] US (62/321,705) 2016-04-12
[30] US (62/321,684) 2016-04-12
[30] US (62/321,670) 2016-04-12
[30] US (62/321,666) 2016-04-12
[30] US (62/321,665) 2016-04-12
[30] US (62/357,785) 2016-07-01
[30] US (62/377,402) 2016-08-19

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[21] **3,001,478**
[13] A1

[51] **Int.Cl. A61K 31/33 (2006.01) A61P 17/02 (2006.01)**

[25] EN

[54] **SELENOSUGARS AND THERAPEUTIC USES THEREOF**

[54] **SELENOSUCRES ET LEURS UTILISATIONS THERAPEUTIQUES**

[72] SCHIESSER, CARL HERBERT, AU

[72] STORKEY, CORIN, AU

[72] DAVIES, MICHAEL JONATHON, AU

[71] SELENO THERAPEUTICS PTY. LTD., AU

[85] 2018-04-10

[86] 2014-10-10 (PCT/AU2014/000960)

[87] (WO2016/054671)

[21] **3,001,479**
[13] A1

[51] **Int.Cl. B01D 53/26 (2006.01) C10L 3/10 (2006.01)**

[25] EN

[54] **COMPACT SUBSEA DEHYDRATION**

[54] **DESHYDRATATION SOUS-MARINE COMPACTE**

[72] YEH, NORMAN K., US

[72] CULLINANE, J. TIM, US

[72] FOWLER, TRACY A., US

[72] RAMKUMAR, SHWETHA, US

[72] SHATTO, DONALD P., US

[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[85] 2018-04-09

[86] 2016-09-12 (PCT/US2016/051212)

[87] (WO2017/087056)

[30] US (62/257,495) 2015-11-19

[21] **3,001,480**
[13] A1

[51] **Int.Cl. H04N 5/222 (2006.01) H04N 21/854 (2011.01) G11B 27/031 (2006.01) H04N 5/262 (2006.01)**

[25] EN

[54] **VIDEO-PRODUCTION SYSTEM WITH DVE FEATURE**

[54] **SYSTEME DE PRODUCTION DE VIDEO AVEC UNE CARACTERISTIQUE D'EFFET VIDEO NUMERIQUE (DVE)**

[72] HUNDEMER, HANK J., US

[71] TRIBUNE BROADCASTING COMPANY, LLC, US

[85] 2018-04-09

[86] 2016-10-17 (PCT/US2016/057380)

[87] (WO2017/066778)

[30] US (62/242,593) 2015-10-16

[21] **3,001,481**
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 4/00 (2018.01)**

[25] EN

[54] **APPLICATION SERVICE CONFIGURATION SYSTEM**

[54] **SYSTEME DE CONFIGURATION DE SERVICE D'APPLICATION**

[72] COBB, NICHOLAS, US

[71] UBER TECHNOLOGIES, INC., US

[85] 2018-04-09

[86] 2016-10-13 (PCT/US2016/056874)

[87] (WO2017/066467)

[30] US (14/881,502) 2015-10-13

[21] **3,001,482**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01)**

[25] EN

[54] **ANTIBODY CONJUGATES COMPRISING TOLL-LIKE RECEPTOR AGONIST**

[54] **CONJUGUES D'ANTICORPS COMPRENANT UN AGONISTE DU RECEPTEUR DE TYPE TOLL**

[72] CORTEZ, ALEX, US

[72] GEIERSTANGER, BERNHARD HUBERT, US

[72] HOFFMAN, TIMOTHY Z., US

[72] KASIBHATLA, SHAILAJA, US

[72] UNO, TETSUO, US

[72] WANG, XING, US

[72] WU, TOM YAO-HSIANG, US

[71] NOVARTIS AG, CH

[85] 2018-04-09

[86] 2016-10-25 (PCT/IB2016/056417)

[87] (WO2017/072662)

[30] US (62/247,896) 2015-10-29

[21] **3,001,484**
[13] A1

[51] **Int.Cl. C07D 221/22 (2006.01) A61K 31/439 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **PIPERAZINYL NORBENZOMORPHAN COMPOUNDS AND METHODS FOR USING THE SAME**

[54] **COMPOSES DE PIPERAZINYL NORBENZOMORPHANE ET PROCEDES D'UTILISATION DE CEUX-CI**

[72] MARTIN, STEPHEN F., US

[72] SAHN, JAMES J., US

[72] HODGES, TIMOTHY R., US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2018-04-09

[86] 2016-10-19 (PCT/US2016/057739)

[87] (WO2017/070229)

[30] US (62/243,568) 2015-10-19

[21] **3,001,486**
[13] A1

[51] **Int.Cl. B32B 27/08 (2006.01)**

[25] EN

[54] **MULTILAYER PLASTIC FILM WITH HEAT RESISTANT OUTER LAYERS AND SLOW AND NORMAL CRYSTALLIZING POLYAMIDES**

[54] **FILM PLASTIQUE MULTICOUCHE COMPORTANT DES COUCHES EXTERIEURES RESISTANTES A LA CHALEUR ET DES POLYAMIDES A CRISTALLISATION LENTE ET NORMALE**

[72] PLANETA, MIROSLAV, CA

[72] TAMBER, HARINDER, CA

[71] MACRO TECHNOLOGY INC., CA

[85] 2018-04-10

[86] 2016-10-14 (PCT/CA2016/051196)

[87] (WO2017/063087)

[30] US (62/242,022) 2015-10-15

PCT Applications Entering the National Phase

[21] **3,001,487**
[13] A1

[51] **Int.Cl. B66F 11/04 (2006.01) B60M 1/28 (2006.01) B66F 13/00 (2006.01) B66F 17/00 (2006.01)**

[25] EN

[54] **PLATFORM TRUCK FOR CATENARY WIRE INSTALLATION AND METHOD OF USE**

[54] **CAMION A PLATE-FORME D'INSTALLATION D'UN CABLE DE CATENAIRE ET PROCEDE D'UTILISATION ASSOCIE**

[72] CLAYPOOL, JAMES, US

[71] MASS. ELECTRIC CONSTRUCTION CO., US

[85] 2018-04-09

[86] 2016-10-13 (PCT/US2016/056876)

[87] (WO2017/066469)

[30] US (14/882,078) 2015-10-13

[21] **3,001,488**
[13] A1

[51] **Int.Cl. E02D 17/20 (2006.01) E02D 29/02 (2006.01)**

[25] EN

[54] **GEOGRID MADE FROM A COEXTRUDED MULTILAYERED POLYMER**

[54] **GEOGRILLE REALISEE A PARTIR DE POLYMERE MULTICOUCHE COEXTRUDE**

[72] SHELTON, WILLIAM STANLEY, US

[72] TYAGI, MANOJ KUMAR, US

[71] TENSAR CORPORATION, LLC, US

[85] 2018-04-09

[86] 2016-10-06 (PCT/US2016/055768)

[87] (WO2017/062632)

[30] US (62/239,416) 2015-10-09

[21] **3,001,490**
[13] A1

[51] **Int.Cl. H04H 20/18 (2009.01) H04W 84/12 (2009.01)**

[25] EN

[54] **METHODS FOR SYNCHRONIZING MULTIPLE DEVICES AND DETERMINING LOCATION BASED ON THE SYNCHRONIZED DEVICES**

[54] **PROCEDES DE SYNCHRONISATION DE MULTIPLES DISPOSITIFS ET DE DETERMINATION D'UN EMPLACEMENT EN FONCTION DES DISPOSITIFS SYNCHRONISES**

[72] HOLLAR, SETH EDWARD-AUSTIN, US

[71] WISER SYSTEMS, INC., US

[85] 2018-04-09

[86] 2016-11-09 (PCT/US2016/061083)

[87] (WO2017/083353)

[30] US (62/252,753) 2015-11-09

[21] **3,001,491**
[13] A1

[51] **Int.Cl. C09D 131/04 (2006.01) C09D 4/02 (2006.01) C09D 123/08 (2006.01) C09D 127/06 (2006.01)**

[25] EN

[54] **TOPCOAT COMPOSITION, METHOD OF COATING SUBSTRATES WITH THE SAME, AND SUBSTRATE**

[54] **COMPOSITION DE COUCHE DE FINITION, PROCEDE DE REVETEMENT DE SUBSTRATS AVEC CETTE DERNIERE, ET SUBSTRAT**

[72] SUN, MEIRU, CN

[72] YAN, HAILONG, CN

[71] PPG COATINGS (TIANJIN) CO., LTD., CN

[85] 2018-04-10

[86] 2015-10-12 (PCT/CN2015/091759)

[87] (WO2017/063123)

[21] **3,001,492**
[13] A1

[51] **Int.Cl. F24F 11/89 (2018.01) F24F 11/50 (2018.01) F24F 11/56 (2018.01) F24D 19/10 (2006.01)**

[25] EN

[54] **TEMPERATURE CONTROL BY REMOTELY CONTROLLING AN AIR HANDLING DEVICE AND USING THE TEMPERATURE SENSOR OF A WIRELESS VOLATILE COMPOSITION DISPENSER**

[54] **REGULATION DE TEMPERATURE PAR COMMANDE A DISTANCE D'UN DISPOSITIF DE TRAITEMENT D'AIR ET UTILISATION DU CAPTEUR DE TEMPERATURE D'UN DISTRIBUTEUR DE COMPOSITION VOLATILE SANS FIL**

[72] HASENOEHL, ERIK JOHN, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2018-04-09

[86] 2016-10-07 (PCT/US2016/055869)

[87] (WO2017/062695)

[30] US (14/879,108) 2015-10-09

[30] US (14/879,110) 2015-10-09

[21] **3,001,493**
[13] A1

[51] **Int.Cl. C09K 8/58 (2006.01)**

[25] EN

[54] **ENHANCED OIL RECOVERY FLUID COMPRISING POTASSIUM CARBONATE, ASSOCIATED METHODS AND ARRANGEMENT**

[54] **FLUIDE DE RECUPERATION DE PETROLE AMELIORE COMPRENANT DU CARBONATE DE POTASSIUM, PROCEDES ASSOCIES ET AGENCEMENT**

[72] HOFSTATTER, HERBERT, AT

[71] MONTANUNIVERSITAT LEOBEN, AT

[85] 2018-04-10

[86] 2015-10-29 (PCT/EP2015/075181)

[87] (WO2016/066773)

[30] GB (1419366.8) 2014-10-30

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[21] **3,001,494**
[13] A1

[51] **Int.Cl. C07C 5/333 (2006.01) B01J 8/06 (2006.01) B01J 8/18 (2006.01) B01J 38/10 (2006.01) C07C 2/50 (2006.01) C07C 13/15 (2006.01)**

[25] EN

[54] **INTEGRATED GAS TURBINE AND CONVERSION SYSTEM PROCESS**

[54] **TURBINE A GAZ INTEGREE ET PROCEDE ET SYSTEME DE CONVERSION**

[72] IACCINO, LARRY L., US

[72] LEMOINE, ROMAIN O.V., US

[71] EXXONMOBIL CHEMICAL PATENTS INC., US

[85] 2018-04-09

[86] 2016-10-07 (PCT/US2016/056007)

[87] (WO2017/078891)

[30] US (62/250,674) 2015-11-04

[30] EP (16153715.4) 2016-02-02

[21] **3,001,495**
[13] A1

[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 9/48 (2006.01) A61P 7/02 (2006.01)**

[25] EN

[54] **FORMULATIONS OF DABIGATRAN ETEXILATE OR DABIGATRAN ETEXILATE SALTS AND PREPARATION METHODS THEREOF**

[54] **FORMULATIONS DE DABIGATRAN ETEXILATE OU SELS DE DABIGATRAN ETEXILATE ET METHODES DE PREPARATION ASSOCIEES**

[72] TANG, YONG, CN

[72] SHENG, XIAOXIA, CN

[71] SOLIPHARMA LLC, CN

[85] 2018-04-10

[86] 2015-10-08 (PCT/CN2015/091437)

[87] (WO2016/070696)

[30] CN (201410610015.X) 2014-11-03

[21] **3,001,496**
[13] A1

[51] **Int.Cl. H02G 3/08 (2006.01) H02G 3/14 (2006.01)**

[25] EN

[54] **COVERING FOR AN OPENING/RECESS IN A WALL OR CEILING**

[54] **CACHE POUR UNE OUVERTURE/UN EVIDEMENT REALISE(E) DANS UNE PAROI OU UN PLAFOND**

[72] HAUBENHOFER, DIETMAR, DE

[72] GEHRMANN, THORSTEN MARCUS, DE

[71] HAUBENHOFER, DIETMAR, DE

[71] GEHRMANN, THORSTEN MARCUS, DE

[85] 2018-04-10

[86] 2015-10-16 (PCT/DE2015/200479)

[87] (WO2017/063620)

[21] **3,001,497**
[13] A1

[51] **Int.Cl. H05K 1/02 (2006.01) B81B 7/00 (2006.01) G01P 1/00 (2006.01) H01L 23/498 (2006.01) H05K 1/14 (2006.01) H05K 1/18 (2006.01) H05K 3/20 (2006.01)**

[25] EN

[54] **CONDUCTOR PATH STRUCTURE HAVING A COMPONENT RECEIVED IN A VIBRATION-DAMPED MANNER**

[54] **STRUCTURE DE PISTES CONDUCTRICES AVEC UN COMPOSANT LOGE AVEC AMORTISSEMENT DES VIBRATIONS**

[72] KURZEJA, DIETMAR, DE

[72] MORGENTHALER, FREDERIC, DE

[71] POSSEHL ELECTRONICS DEUTSCHLAND GMBH, DE

[85] 2018-04-10

[86] 2016-11-10 (PCT/EP2016/001870)

[87] (WO2017/080657)

[30] DE (10 2015 014 593.2) 2015-11-12

[30] DE (20 2015 007 798.6) 2015-11-12

[21] **3,001,498**
[13] A1

[51] **Int.Cl. F17C 13/02 (2006.01)**

[25] EN

[54] **FAILURE INDICATOR SUPPLEMENTAL VESSEL FOR PRIMARY VESSEL**

[54] **RECIPIENT SUPPLEMENTAIRE INDICATEUR DE DEFAILLANCE POUR RECIPIENT PRIMAIRE**

[72] NEWHOUSE, NORMAN L., US

[71] HEXAGON TECHNOLOGY AS, NO

[85] 2018-04-09

[86] 2016-11-15 (PCT/US2016/062015)

[87] (WO2017/087376)

[30] US (62/257,809) 2015-11-20

[30] US (15/345,883) 2016-11-08

[21] **3,001,499**
[13] A1

[51] **Int.Cl. B65C 9/18 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR LABELING INDIVIDUAL PACKAGES**

[54] **PROCEDE ET DISPOSITIF D'ETIQUETAGE D'EMBALLAGES INDIVIDUELS**

[72] VICKTORIUS, WINFRIED, DE

[72] JUNG, ULRICH, DE

[71] ESPERA-WERKE GMBH, DE

[85] 2018-04-10

[86] 2016-06-27 (PCT/EP2016/064774)

[87] (WO2017/063765)

[30] DE (10 2015 117 533.9) 2015-10-15

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[21] **3,001,500**
[13] A1

[51] **Int.Cl. G05D 1/02 (2006.01) G06Q 10/08 (2012.01) G05B 19/418 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR AUTONOMOUS OR SEMI-AUTONOMOUS DELIVERY**

[54] **PROCEDE ET SYSTEME DE LIVRAISON AUTONOME OU SEMI-AUTONOME**

[72] HEINLA, AHTI, EE

[72] MARTINSON, ALLAN, EE

[72] VOLKOV, KALLE-RASMUS, EE

[72] MACKS, ANDREW, EE

[72] ROBERTS, LINDSAY, EE

[72] MANDRE, INDREK, EE

[72] LIHVIK, MART, EE

[72] LIHVIK, TIIT, EE

[72] LIHVIK, IVO, EE

[71] STARSHIP TECHNOLOGIES OU, EE

[85] 2018-04-10

[86] 2016-10-13 (PCT/EP2016/074620)

[87] (WO2017/064202)

[30] EP (15189661.0) 2015-10-13

[30] EP (15192649.0) 2015-11-02

[30] EP (15192648.2) 2015-11-02

[21] **3,001,501**
[13] A1

[51] **Int.Cl. F16B 13/08 (2006.01) F16B 13/14 (2006.01)**

[25] EN

[54] **METHOD FOR FIXING AN EXPANSION ANCHOR TO A SUBSTRATE, IN WHICH A CURABLE MASS IS INTRODUCED IN THE ANNULAR SPACE AROUND THE EXPANSION ANCHOR**

[54] **PROCEDE DE FIXATION D'UN ELEMENT D'ANCRAGE A EXPANSION SUR UN SUBSTRAT, SELON LEQUEL UNE MATIERE DURCISSABLE EST INTRODUITE DANS L'ESPACE ANNULAIRE AUTOUR L'ELEMENT D'ANCRAGE A EXPANSION**

[72] MEINDORFER, TANJA, CH

[72] GUIDA, GIUSEPPE, CH

[72] HAEFLIGER, KATHRIN, CH

[72] SCHAEFFER, MARC, CH

[71] HILTI AKTIENGESELLSCHAFT, LI

[85] 2018-04-10

[86] 2016-10-19 (PCT/EP2016/075005)

[87] (WO2017/067945)

[30] EP (15191165.8) 2015-10-23

[21] **3,001,502**
[13] A1

[51] **Int.Cl. C12G 3/07 (2006.01) C12G 3/06 (2006.01) C12H 1/00 (2006.01) C12H 1/052 (2006.01) C12H 1/16 (2006.01) C12H 1/22 (2006.01)**

[25] EN

[54] **FLAVOR INFUSED ALCOHOLIC BEVERAGE AND METHOD OF MAKING THE SAME**

[54] **BOISSON ALCOOLISEE INFUSEE AROMATISEE ET SON PROCEDE DE FABRICATION**

[72] HALL, DOUGLAS B., US

[72] GIRGASH, JOSEPH M., US

[72] FORSEE, BRUCE, US

[72] BEAUPRE, JAMES J., US

[71] EDRINGTON DISTILLERS LIMITED, GB

[85] 2018-04-09

[86] 2016-11-30 (PCT/US2016/064204)

[87] (WO2017/095915)

[30] US (62/261,287) 2015-11-30

[21] **3,001,503**
[13] A1

[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/12 (2006.01) C08G 18/30 (2006.01) C08G 18/64 (2006.01) C08G 18/79 (2006.01) C08G 18/80 (2006.01) C09J 175/04 (2006.01)**

[25] EN

[54] **INCORPORATION OF LIGNIN IN POLYURETHANE PRODUCTS**

[54] **INCORPORATION DE LIGNINE DANS DES PRODUITS A BASE DE POLYURETHANE**

[72] PHANOPOULOS, CHRISTOPHER, BE

[72] PANS, GRIET, BE

[72] TEBOUL, MATHILDE, BE

[72] LIMA GARCIA, JORGE, BE

[71] HUNTSMAN INTERNATIONAL LLC, US

[85] 2018-04-10

[86] 2016-09-29 (PCT/EP2016/073195)

[87] (WO2017/067769)

[30] EP (15190822.5) 2015-10-21

[21] **3,001,504**
[13] A1

[51] **Int.Cl. C22C 21/06 (2006.01) C22C 21/12 (2006.01) C22C 21/14 (2006.01) C22C 21/16 (2006.01) C22F 1/04 (2006.01) C22F 1/047 (2006.01) C22F 1/057 (2006.01)**

[25] EN

[54] **HIGH STRENGTH AND CORROSION RESISTANT ALLOY FOR USE IN HVAC&R SYSTEMS**

[54] **ALLIAGE A HAUTE RESISTANCE ET RESISTANT A LA CORROSION DESTINE A ETRE UTILISE DANS DES SYSTEMES HVAC&R**

[72] KADALI, JYOTHI, US

[72] SIMIELLI, EIDER ALBERTO, US

[72] GATENBY, KEVIN MICHAEL, US

[71] NOVELIS INC., US

[85] 2018-04-09

[86] 2017-03-03 (PCT/US2017/020635)

[87] (WO2017/204877)

[30] US (62/342,723) 2016-05-27

[21] **3,001,505**
[13] A1

[51] **Int.Cl. A23G 1/32 (2006.01) A23L 33/26 (2016.01) A23G 1/40 (2006.01)**

[25] EN

[54] **MILK-FREE, SUGAR-FREE, GLUTEN-FREE, SOY-FREE WHITE CHOCOLATE FORMULATION WITH OR WITHOUT FIBRES**

[54] **FORMULATION DE CHOCOLAT BLANC SANS LAIT, SANS SUCRE, SANS GLUTEN, SANS SOJA ET AVEC OU SANS FIBRES**

[72] GIUNTI DE OLIVEIRA, LUIZ CARMINE, BR

[72] ORLANDI GIUNTI OLIVEIRA, ELOISA HELENA, BR

[71] GIUNTI DE OLIVEIRA, LUIZ CARMINE, BR

[71] ORLANDI GIUNTI OLIVEIRA, ELOISA HELENA, BR

[85] 2018-04-10

[86] 2016-10-19 (PCT/BR2016/050262)

[87] (WO2017/066858)

[30] BR (BR 10 2015 026538 7) 2015-10-20

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[21] **3,001,506**
[13] A1

[51] **Int.Cl. C01B 3/16 (2006.01) B01J 23/70 (2006.01) B01J 35/10 (2006.01) C01F 5/02 (2006.01) C01F 7/02 (2006.01) C01G 3/02 (2006.01) C01G 37/02 (2006.01) C01G 45/02 (2006.01) C01G 49/02 (2006.01) C01G 49/06 (2006.01)**

[25] EN
[54] **WATER-GAS SHIFT CATALYST**
[54] **UNITE DE CONVERSION DU CO**
[72] ALEXANDER, ANNE-MARIE CHRISTINA, GB
[72] COUSINS, MATTHEW JOHN, GB
[72] MARIGO, MICHELE, GB
[72] MCKIDD, NICOLA CAMPBELL, GB
[72] SENGELOW, WILLIAM MAURICE, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2018-04-10
[86] 2016-10-14 (PCT/GB2016/053183)
[87] (WO2017/072481)
[30] GB (1519133.1) 2015-10-29
[30] GB (1610989.4) 2016-06-23

[21] **3,001,507**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) A61K 35/17 (2015.01) C07K 14/715 (2006.01) C12N 5/16 (2006.01) C12N 15/867 (2006.01)**

[25] EN
[54] **CXCR6-TRANSDUCED T CELLS FOR TARGETED TUMOR THERAPY**
[54] **LYMPHOCYTES T TRANSDUITS EXPRIMANT CXCR6 POUR LA THERAPIE TUMORALE CIBLEE**
[72] KOBOLD, SEBASTIAN, DE
[72] ENDRES, STEFAN, DE
[72] RAPP, MORITZ, CH
[72] GRASSMANN, SIMON, DE
[71] LUDWIG-MAXIMILIANS-UNIVERSITAT MUNCHEN, DE
[85] 2018-04-10
[86] 2016-10-14 (PCT/EP2016/074644)
[87] (WO2017/064222)
[30] EP (15190179.0) 2015-10-16

[21] **3,001,508**
[13] A1

[51] **Int.Cl. C01F 11/18 (2006.01) C09C 1/02 (2006.01)**

[25] EN
[54] **HIGH SOLIDS PCC WITH COPOLYMERIC ADDITIVE**
[54] **CARBONATE DE CALCIUM PRECIPITE RICHE EN SOLIDES AVEC ADDITIF COPOLYMERE**
[72] MAURER, MARC, FR
[72] JACQUEMET, CHRISTIAN, FR
[71] OMYA INTERNATIONAL AG, CH
[85] 2018-04-10
[86] 2016-10-13 (PCT/EP2016/074567)
[87] (WO2017/064175)
[30] EP (15190284.8) 2015-10-16

[21] **3,001,509**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/02 (2006.01)**

[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING SYSTEMIC MASTOCYTOSIS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE LA MASTOCYTOSE SYSTEMIQUE**
[72] BEBBINGTON, CHRISTOPHER ROBERT, US
[72] TOMASEVIC, NENAD, US
[72] FALAHATI, RUSTOM, US
[71] ALLAKOS INC., US
[85] 2018-04-09
[86] 2016-10-21 (PCT/US2016/058199)
[87] (WO2017/070527)
[30] US (62/245,218) 2015-10-22

[21] **3,001,510**
[13] A1

[51] **Int.Cl. A61K 31/58 (2006.01)**

[25] EN
[54] **FUROSTAN-3-OL DERIVATIVES AS SKELETAL MUSCLE HYPERTROPHIC AGENTS**
[54] **DERIVES DE FUROSTAN-3-OL A UTILISER EN TANT QU'AGENTS POUR L'HYPERTROPHIE MUSCULO-SQUELETTIQUE**
[72] TALLEY, JOHN J., US
[71] EMMYON, INC., US
[85] 2018-04-09
[86] 2016-10-28 (PCT/US2016/059264)
[87] (WO2017/075313)
[30] US (62/247,968) 2015-10-29

[21] **3,001,511**
[13] A1

[51] **Int.Cl. A01N 33/14 (2006.01) A01N 37/16 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01)**

[25] EN
[54] **MICROBICIDAL AQUEOUS SOLUTIONS INCLUDING A MONOCHLORAMINE AND A PERACID, AND METHODS OF USING THE SAME**
[54] **SOLUTIONS AQUEUSES MICROBICIDES COMPRENANT DE LA MONOCHLORAMINE ET UN PERACIDE, ET LEURS PROCEDES D'UTILISATION**
[72] OPPONG, DAVID, US
[72] ZUGNO, LUIS, US
[72] MCNEEL, THOMAS E., US
[72] FRENZEL, SHAWN PAUL, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2018-04-09
[86] 2016-10-28 (PCT/US2016/059261)
[87] (WO2017/075311)
[30] US (62/247,351) 2015-10-28
[30] US (15/294,212) 2016-10-14

[21] **3,001,512**
[13] A1

[51] **Int.Cl. H02J 3/00 (2006.01) G06Q 50/06 (2012.01) G01D 4/00 (2006.01)**

[25] EN
[54] **AN ELECTRICITY SUPPLY CONTROL SYSTEM AND A METHOD THEREOF**
[54] **SYSTEME DE COMMANDE D'ALIMENTATION ELECTRIQUE ET SON PROCEDE**
[72] SANDAHL, KRISTIAN, SE
[71] OVERAS INVEST AB, SE
[85] 2018-04-10
[86] 2016-10-28 (PCT/EP2016/076097)
[87] (WO2017/072305)
[30] EP (15192392.7) 2015-10-30

PCT Applications Entering the National Phase

[21] **3,001,513**
[13] A1

[51] **Int.Cl. H02G 1/14 (2006.01) H02G 15/08 (2006.01)**
[25] EN
[54] **JOINT FOR ELECTRIC CABLES WITH THERMOPLASTIC INSULATION AND METHOD FOR MANUFACTURING THE SAME**
[54] **JONCTION POUR CABLES ELECTRIQUES AVEC ISOLATION THERMOPLASTIQUE ET SON PROCEDE DE FABRICATION**
[72] CAIMI, LUIGI, IT
[72] DE MARTINO, LUIGI, IT
[71] PRYSMIAN S.P.A., IT
[85] 2018-04-10
[86] 2015-10-23 (PCT/IB2015/058193)
[87] (WO2017/068398)

[21] **3,001,514**
[13] A1

[51] **Int.Cl. C03C 17/00 (2006.01) C03C 17/32 (2006.01) C08L 79/08 (2006.01) C09D 179/08 (2006.01)**
[25] EN
[54] **GLASS ARTICLES WITH MIXED POLYMER AND METAL OXIDE COATINGS**
[54] **ARTICLES EN VERRE POURVUS DE REVETEMENTS MIXTES DE POLYMERES ET D'OXYDE METALLIQUE**
[72] HENRY, DAVID, FR
[72] LACARRIERE, VALERIE CLAUDINE, FR
[71] CORNING INCORPORATED, US
[85] 2018-04-09
[86] 2016-10-28 (PCT/US2016/059446)
[87] (WO2017/075435)
[30] US (62/248,827) 2015-10-30

[21] **3,001,515**
[13] A1

[51] **Int.Cl. H01Q 1/06 (2006.01) F03D 80/10 (2016.01)**
[25] EN
[54] **AIRCRAFT BEACON OF A WIND TURBINE**
[54] **BALISAGE AERIEN D'UNE EOLIENNE**
[72] HARMS, STEPHAN, DE
[72] STURENBURG, ERICH, DE
[72] REITER, DANIEL, DE
[72] KOCKLAR, MATTHIAS, DE
[71] WOBLEN PROPERTIES GMBH, DE
[85] 2018-04-10
[86] 2016-11-07 (PCT/EP2016/076796)
[87] (WO2017/077102)
[30] DE (10 2015 119 057.5) 2015-11-06

[21] **3,001,516**
[13] A1

[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **SANDWICH CLEARING STRIP**
[54] **BAGUETTE DE CHASSE-NEIGE EN CONSTRUCTION SANDWICH**
[72] KUPER, ROLAND, DE
[71] KUPER GMBH & CO. KG, DE
[85] 2018-04-10
[86] 2016-11-30 (PCT/EP2016/079334)
[87] (WO2017/093352)
[30] DE (10 2015 120 823.7) 2015-12-01

[21] **3,001,517**
[13] A1

[51] **Int.Cl. F23C 9/00 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING HARMFUL GAS EMISSIONS FROM A GAS-FIRED SEALED COMBUSTION CHAMBER FORCED-DRAUGHT BOILER USING FLUE GAS RECIRCULATION AND ACCORDING BOILER**
[54] **PROCEDE DE REDUCTION D'EMISSIONS DE GAZ NOCIFES D'UNE CHAUDIERE A CIRCULATION FORCEE A CHAMBRE DE COMBUSTION SCHELLEE A GAZ UTILISANT UNE RECIRCULATION DE GAZ DE COMBUSTION, ET CHAUDIERE CORRESPONDANTE**
[72] BERTELLI, PIERLUIGI, IT
[71] BERTELLI & PARTNERS S.R.L., IT
[85] 2018-04-10
[86] 2016-10-14 (PCT/IB2016/001493)
[87] (WO2017/068407)
[30] IT (UB2015A005050) 2015-10-19

[21] **3,001,518**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/79 (2006.01)**
[25] EN
[54] **INDUCIBLE MODIFICATION OF A CELL GENOME**
[54] **MODIFICATION INDUCTIBLE D'UN GENOME CELLULAIRE**
[72] MARESCA, MARCELLO, SE
[72] BOHLOOLY-YEGANEH, MOHAMMAD, SE
[72] JAISWAL, HIMJYOT, SE
[72] MAYR, LORENZ M., SE
[72] XU, XIUFENG, SE
[71] ASTRAZENECA AB, SE
[85] 2018-04-10
[86] 2016-10-14 (PCT/IB2016/001902)
[87] (WO2017/064566)
[30] US (62/242,884) 2015-10-16

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[21] **3,001,519**
[13] A1

[51] **Int.Cl. C22C 21/06 (2006.01) C22F 1/047 (2006.01)**

[25] FR

[54] **THIN SHEETS MADE FROM ALUMINIUM-MAGNESIUM-ZIRCONIUM ALLOYS FOR AEROSPACE APPLICATIONS**

[54] **TOLES MINCES EN ALLIAGE ALUMINIUM-MAGNESIUM-ZIRCONIUM POUR APPLICATIONS AEROSPATIALES**

[72] POUGET, GAELLE, FR

[72] EHRSTROM, JEAN-CHRISTOPHE, FR

[72] SIGLI, CHRISTOPHE, FR

[71] CONSTELLIUM ISSOIRE, FR

[85] 2018-04-10

[86] 2016-10-11 (PCT/FR2016/052621)

[87] (WO2017/064407)

[30] FR (1559786) 2015-10-15

[21] **3,001,520**
[13] A1

[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/613 (2014.01) H01M 10/625 (2014.01) H01M 10/643 (2014.01) H01M 10/6567 (2014.01) H01M 10/617 (2014.01)**

[25] EN

[54] **TEMPERATURE-CONTROL DEVICE FOR A BATTERY SYSTEM**

[54] **DISPOSITIF DE REGULATION DE TEMPERATURE POUR SYSTEME DE BATTERIE**

[72] KREISEL, PHILLIP, AT

[72] KREISEL JUN., JOHANN, AT

[72] KREISEL, MARKUS, AT

[71] KREISEL ELECTRIC GMBH & CO KG, AT

[85] 2018-04-10

[86] 2016-10-18 (PCT/EP2016/074969)

[87] (WO2017/067923)

[30] DE (10 2015 013 377.2) 2015-10-18

[21] **3,001,521**
[13] A1

[51] **Int.Cl. H01M 2/14 (2006.01) H01M 10/0525 (2010.01) H01M 2/16 (2006.01)**

[25] EN

[54] **COATED BATTERY SEPARATOR**

[54] **SEPARATEUR DE BATTERIE REVETU**

[72] BISO, MAURIZIO, IT

[72] MOLENA, ELENA, IT

[72] COLOMBO, ROBERTA, IT

[71] SOLVAY SPECIALTY POLYMERS ITALY S.P.A., IT

[85] 2018-04-10

[86] 2016-10-19 (PCT/EP2016/075013)

[87] (WO2017/067948)

[30] EP (15190363.0) 2015-10-19

[21] **3,001,522**
[13] A1

[51] **Int.Cl. F25J 3/04 (2006.01) F04D 17/12 (2006.01) F04D 25/06 (2006.01) F04D 27/02 (2006.01)**

[25] EN

[54] **METHOD FOR COMPRESSING AN INCOMING FEED AIR STREAM IN A CRYOGENIC AIR SEPARATION PLANT**

[54] **PROCEDE DE COMPRESSION DE FLUX D'AIR D'ALIMENTATION ENTRANT DANS UNE INSTALLATION DE SEPARATION D'AIR CRYOGENIQUE**

[72] HOWARD, HENRY E., US

[72] SCHWARZ, CARL L., US

[72] ABDELWAHAB, AHMED F., US

[72] ROSEN, LEE J., US

[72] DEGENSTEIN, NICK J., US

[72] CHEN, REH-LIN, US

[71] PRAXAIR TECHNOLOGY, INC., US

[85] 2018-04-10

[86] 2016-06-08 (PCT/US2016/036342)

[87] (WO2017/065842)

[30] US (14/883,844) 2015-10-15

[21] **3,001,523**
[13] A1

[51] **Int.Cl. B64C 1/06 (2006.01) B64C 1/12 (2006.01)**

[25] EN

[54] **STRINGER-LESS FUSELAGE STRUCTURE AND METHOD OF MANUFACTURE**

[54] **STRUCTURE DE FUSELAGE SANS LISSE ET PROCEDE DE FABRICATION**

[72] MAROUZE, JEAN-PHILIPPE, CA

[71] BOMBARDIER INC., CA

[85] 2018-04-10

[86] 2016-10-13 (PCT/IB2016/056142)

[87] (WO2017/064646)

[30] US (62/242,495) 2015-10-16

[21] **3,001,524**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01)**

[25] EN

[54] **CLASS DIVIDER FOR AN AIRCRAFT PASSENGER CABIN**

[54] **SEPARATEUR DE CLASSE POUR CABINE PASSAGERS D'AVION**

[72] BEAUMONT, VINCENT, CA

[72] BLOCK, MICHAEL, CA

[72] GRANT, ROBERT, CA

[72] RADACOVICI, LILI-MEL, CA

[71] BOMBARDIER INC., CA

[85] 2018-04-10

[86] 2016-10-17 (PCT/IB2016/056222)

[87] (WO2017/068484)

[30] US (62/245,613) 2015-10-23

[21] **3,001,525**
[13] A1

[51] **Int.Cl. G01C 21/34 (2006.01) G08G 1/16 (2006.01)**

[25] EN

[54] **WORK MACHINE MANAGEMENT SYSTEM, WORK MACHINE, AND WORK MACHINE MANAGEMENT METHOD**

[54] **SYSTEME DE GESTION D'ENGIN DE CHANTIER, ENGIN DE CHANTIER ET PROCEDE DE GESTION D'ENGIN DE CHANTIER**

[72] SAKAI, ATSUSHI, JP

[72] MINAGAWA, MASANORI, JP

[72] OZAKI, TOMONORI, JP

[71] KOMATSU LTD., JP

[85] 2018-04-10

[86] 2016-01-29 (PCT/JP2016/052840)

[87] (WO2017/130419)

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[21] **3,001,526**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/565 (2006.01) A61K 47/10 (2017.01) A61K 47/44 (2017.01)**

[25] EN

[54] **FULVESTRANT COMPOSITIONS**

[54] **COMPOSITIONS DE FULVESTRANT**

[72] PATEL, DINESH SHANTILAL, IN

[72] PATEL, SACHIN DINESH, IN

[72] KURANI, SHASHIKANT PRABHUDAS, IN

[72] SOPPIMATH, KUMARESH, US

[71] THEMIS MEDICARE LIMITED, IN

[71] NEVAKAR LLC, US

[85] 2018-04-10

[86] 2016-10-13 (PCT/IB2016/056127)

[87] (WO2017/064639)

[30] IN (3878/Mum/2015) 2015-10-13

[21] **3,001,527**
[13] A1

[51] **Int.Cl. E01C 23/088 (2006.01)**

[25] EN

[54] **DRIVE DEVICE FOR A CONSTRUCTION MACHINE**

[54] **DISPOSITIF D'ENTRAINEMENT DESTINE A UNE MACHINE DE CONSTRUCTION**

[72] DESCH, HENDRIK PETER, DE

[72] PLATTFAUT, BERNHARD, DE

[71] DESCH ANTRIEBSTECHNIK GMBH & CO. KG, DE

[85] 2018-04-10

[86] 2016-10-21 (PCT/EP2016/075396)

[87] (WO2017/068133)

[30] DE (10 2015 118 000.6) 2015-10-22

[21] **3,001,528**
[13] A1

[51] **Int.Cl. C07D 241/18 (2006.01) A01N 43/60 (2006.01) A01P 7/04 (2006.01) A61K 31/513 (2006.01) A61P 33/00 (2006.01) C07D 401/04 (2006.01)**

[25] EN

[54] **PYRAZINE COMPOUND AND ARTHROPOD PEST CONTROL AGENT CONTAINING SAME**

[54] **COMPOSE PYRAZINE ET AGENT DE LUTTE CONTRE LES ARTHROPODES NUISIBLES CONTENANT CELUI-CI**

[72] ORIMOTO, KOHEI, JP

[72] NOKURA, YOSHIHIKO, JP

[72] NAKAJIMA, YUJI, JP

[72] TANABE, TAKAMASA, JP

[72] KIMURA, TAKAHIRO, JP

[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP

[85] 2018-04-10

[86] 2016-10-13 (PCT/JP2016/080410)

[87] (WO2017/065228)

[30] JP (2015-204376) 2015-10-16

[30] JP (2015-208639) 2015-10-23

[30] JP (2016-149448) 2016-07-29

[21] **3,001,529**
[13] A1

[51] **Int.Cl. C22C 38/06 (2006.01) B21C 37/08 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**

[25] EN

[54] **AS-ROLLED TYPE K55 ELECTRIC RESISTANCE WELDED OIL WELL PIPE AND HOT-ROLLED STEEL SHEET**

[54] **TUYAU DE Puits DE PETROLE SOUDE PAR RESISTANCE ELECTRIQUE K55 DE TYPE BRUT DE LAMINAGE, ET TOLE EN ACIER LAMINEE A CHAUD**

[72] ISHITSUKA, TETSUO, JP

[72] TSUSUE, TAKASHI, JP

[72] IWAMOTO, SHUJI, JP

[72] KOBAYASHI, SHUNICHI, JP

[72] OGATA, TOSHIYUKI, JP

[72] YOSHIDA, OSAMU, JP

[72] KAWANO, HIDETO, JP

[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2018-04-10

[86] 2016-10-31 (PCT/JP2016/082340)

[87] (WO2017/110254)

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[21] **3,001,530**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR VEHICLE SERVICE SCHEDULER**

[54] **SYSTEME ET PROCEDE DE PROGRAMMATEUR D'ENTRETIEN DE VEHICULE**

[72] JOHNSON, LESTER B., US

[72] DWULET, JOHN H., US

[71] MITCHELL REPAIR INFORMATION COMPANY, LLC, US

[85] 2018-04-09

[86] 2016-11-01 (PCT/US2016/059830)

[87] (WO2017/079110)

[30] US (62/249,712) 2015-11-02

[30] US (15/338,794) 2016-10-31

[21] **3,001,531**
[13] A1

[51] **Int.Cl. B65D 35/32 (2006.01) B65D 81/32 (2006.01)**

[25] EN

[54] **MULTI-CHAMBER FILM BAG AND USE THEREOF**

[54] **SACHET SOUPLE MULTICOMPARTIMENT ET SON UTILISATION**

[72] FORG, CHRISTIAN, DE

[72] JEROMENOK, JEKATERINA, DE

[72] KLUJ, ESTHER RAHEL, DE

[72] PAETOW, MARIO, DE

[71] HILTI AKTIENGESELLSCHAFT, LI

[85] 2018-04-10

[86] 2016-10-24 (PCT/EP2016/075490)

[87] (WO2017/072058)

[30] EP (15192407.3) 2015-10-30

[21] **3,001,532**
[13] A1

[51] **Int.Cl. H01M 4/96 (2006.01) H01M 4/86 (2006.01) H01M 8/10 (2016.01)**

[25] EN

[54] **GAS DIFFUSION ELECTRODE AND FUEL CELL**

[54] **ELECTRODE A DIFFUSION GAZEUSE ET PILE A COMBUSTIBLE**

[72] SHIGETA, KAZUYO, JP

[72] UTSUNOMIYA, MASAMICHI, JP

[72] OKANO, YASUTAKA, JP

[72] TANIMURA, YASUAKI, JP

[72] KAMAE, TOSHIYA, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2018-04-10

[86] 2016-12-16 (PCT/JP2016/087626)

[87] (WO2017/110692)

[30] JP (2015-251252) 2015-12-24

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[21] **3,001,533**
[13] A1

[51] **Int.Cl. B65D 47/18 (2006.01) B01D 63/08 (2006.01) G01N 1/10 (2006.01) B01D 39/16 (2006.01) C12M 1/00 (2006.01)**

[25] EN

[54] **DISCHARGE MEMBER WITH FILTER**

[54] **ELEMENT DE DECHARGE AVEC FILTRE**

[72] SHINDOME, TSUYOSHI, JP

[72] NATSUME, WAKA, JP

[71] EIKEN KAGAKU KABUSHIKI KAISHA, JP

[85] 2018-04-10

[86] 2016-11-02 (PCT/JP2016/082519)

[87] (WO2017/078043)

[30] JP (2015-217667) 2015-11-05

[21] **3,001,534**
[13] A1

[51] **Int.Cl. A61N 5/067 (2006.01)**

[25] EN

[54] **LASER SYSTEM WITH PULSE MODULATION AND CORRESPONDING METHOD OF USE**

[54] **SYSTEME LASER A MODULATION D'IMPULSION ET PROCEDE D'UTILISATION CORRESPONDANT**

[72] SHAZLY, TAREK A., US

[72] LATINA, MARK A., US

[71] VISUMEDICS, INC., US

[85] 2018-04-09

[86] 2016-10-18 (PCT/US2016/057500)

[87] (WO2017/074740)

[30] US (62/246,793) 2015-10-27

[21] **3,001,535**
[13] A1

[51] **Int.Cl. B65D 81/32 (2006.01)**

[25] EN

[54] **MULTI-CHAMBER FILM BAG AND USE THEREOF**

[54] **SACHET SOUPLE MULTICOMPARTIMENT ET SON UTILISATION**

[72] JEROMENOK, JEKATERINA, DE

[72] KLUJ, ESTHER RAHEL, DE

[72] PAETOW, MARIO, DE

[71] HILTI AKTIENGESELLSCHAFT, LI

[85] 2018-04-10

[86] 2016-10-24 (PCT/EP2016/075493)

[87] (WO2017/072060)

[30] EP (15192406.5) 2015-10-30

[21] **3,001,536**
[13] A1

[51] **Int.Cl. A61K 38/22 (2006.01) A61K 31/7105 (2006.01) A61K 35/28 (2015.01) A61K 35/76 (2015.01) A61K 48/00 (2006.01) A61P 7/00 (2006.01) A61P 9/14 (2006.01) A61P 17/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01) C12N 5/10 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR USE IN RECOVERING OR AMELIORATING DETERIORATION OF PHYSIOLOGICAL FUNCTIONS DUE TO AGING**

[54] **COMPOSITION POUR RECUPERER OU AMELIORER LA DEGRADATION DE FONCTIONS PHYSIOLOGIQUES DUE AU VIEILLISSEMENT**

[72] KANEDA, HAYATO, JP

[71] RIKEN, JP

[85] 2018-04-10

[86] 2016-12-27 (PCT/JP2016/088865)

[87] (WO2017/115789)

[30] JP (2015-256045) 2015-12-28

[21] **3,001,537**
[13] A1

[51] **Int.Cl. A61B 10/02 (2006.01)**

[25] EN

[54] **ECHOGENIC NEEDLE**

[54] **AIGUILLE ECHOGENE**

[72] CRISMAN, ANDREW, US

[72] GRANATA, ALYSA LAUREN, US

[71] SMITHS MEDICAL ASD, INC., US

[85] 2018-04-09

[86] 2016-10-19 (PCT/US2016/057684)

[87] (WO2017/074762)

[30] US (62/246,205) 2015-10-26

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[13] A1

[51] **Int.Cl. E21B 21/01 (2006.01) F16L 9/00 (2006.01)**

[25] EN

[54] **POWER SWIVEL AND GOOSENECK**

[54] **TETE ORIENTABLE ET COL DE CYGNE**

[72] WALKER, CHRISTOPHER BRIAN, US

[72] DO, HENRY, US

[72] PAPP, ROBERT IOAN, US

[72] PUSCAS, MIHAIL, US

[72] BLANKENSHIP, CALVIN RONALD, US

[71] NATIONAL OILWELL VARCO, L.P., US

[85] 2018-04-09

[86] 2016-10-21 (PCT/US2016/058182)

[87] (WO2017/070513)

[30] US (62/245,501) 2015-10-23

[21] **3,001,539**
[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61P 9/12 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING LACTOBACILLUS PLANTARUM 2830 (ECGC 13110402)**

[54] **COMPOSITION COMPRENANT DU LACTOBACILLUS PLANTARUM 2830 (ECGC 13110402)**

[72] O'HARA, STEPHEN, GB

[71] OPTIBIOTIX LTD, GB

[85] 2018-04-09

[86] 2016-11-02 (PCT/GB2016/053390)

[87] (WO2017/077286)

[30] GB (1519327.9) 2015-11-02

[21] **3,001,540**
[13] A1

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/32 (2006.01) A61M 39/22 (2006.01)**

[25] EN

[54] **SYRINGE**

[54] **SERINGUE**

[72] RA, YONG-KUK, KR

[71] RA, YONG-KUK, KR

[85] 2018-04-10

[86] 2016-10-27 (PCT/KR2016/012127)

[87] (WO2017/078322)

[30] KR (10-2015-0154818) 2015-11-04

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[21] **3,001,541**
[13] A1

[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/32 (2006.01) A61M 5/34 (2006.01)**
[25] EN
[54] **FILTERING SYRINGE**
[54] **FILTRE SERINGUE**
[72] RA, YONG-KUK, KR
[71] RA, YONG-KUK, KR
[85] 2018-04-10
[86] 2016-10-27 (PCT/KR2016/012119)
[87] (WO2017/074040)
[30] KR (10-2015-0152688) 2015-10-30

[21] **3,001,542**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **JAK KINASE INHIBITOR COMPOUNDS FOR TREATMENT OF RESPIRATORY DISEASE**
[54] **COMPOSES INHIBITEURS DE KINASE JAK POUR LE TRAITEMENT DE MALADIES RESPIRATOIRES**
[72] FATHEREE, PAUL R., US
[72] JACOBSEN, JOHN R., US
[72] BEAUSOLEIL, ANNE-MARIE, US
[72] BRANDT, GARY E.L., US
[72] FLEURY, MELISSA, US
[72] JIANG, LAN, US
[72] SMITH, CAMERON, US
[72] SULLIVAN, STEVEN D.E., US
[72] VAN ORDEN, LORI JEAN, US
[72] COLSON, PIERRE-JEAN, US
[72] FASS, GENE TIMOTHY, US
[72] RAPTA, MIROSLAV, US
[72] BENJAMIN, NOAH, US
[72] DABROS, MARTA, US
[72] THALLADI, VENKAT R., US
[71] THERAVANCE BIOPHARMA R&D IP, LLC, US
[85] 2018-04-09
[86] 2016-11-02 (PCT/US2016/059999)
[87] (WO2017/079205)
[30] US (62/250,113) 2015-11-03

[21] **3,001,543**
[13] A1

[51] **Int.Cl. A61K 38/47 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHOD TO IMPROVE SAFETY AND EFFICACY OF ANTI-CANCER THERAPY**
[54] **METHODE POUR AMELIORER LA SECURITE ET L'EFFICACITE D'UNE THERAPIE ANTICANCEREUSE**
[72] GENKIN, DMITRY DMITRIEVICH, RU
[72] TETS, GEORGY VIKTOROVICH, RU
[72] TETS, VIKTOR VENIAMINOVICH, RU
[71] CLS THERAPEUTICS LIMITED, GB
[85] 2018-04-10
[86] 2015-10-29 (PCT/RU2015/000721)
[87] (WO2017/074211)

[21] **3,001,544**
[13] A1

[51] **Int.Cl. G06Q 20/32 (2012.01)**
[25] EN
[54] **CHECK-IN TO CHECKOUT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ENREGISTREMENT/ENCAISSEMENT**
[72] KIEFFER, BRADLEY JOSEPH, US
[72] MATTHEWS, MARK, US
[72] DANIYALZADE, EYTAN, US
[72] BERRY, CHARLES DAVID, US
[72] RAJENDRAN, PRASANNA, US
[72] NELMS, DAVID MARTIN, US
[72] ECKERT, DANIEL, US
[71] WALMART APOLLO, LLC, US
[85] 2018-04-10
[86] 2015-10-12 (PCT/US2015/055130)
[87] (WO2017/065733)

[21] **3,001,545**
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING BROADCASTING SIGNAL FRAME THAT INCLUDES PREAMBLE FOR SIGNALLING INJECTION LEVEL INFORMATION**
[54] **APPAREIL ET PROCEDE POUR GENERER UNE TRAME DE SIGNAL DE DIFFUSION QUI COMPREND UN PREAMBULE AFIN DE SIGNALER DES INFORMATIONS DE NIVEAU D'INJECTION**
[72] PARK, SUNG-IK, KR
[72] LEE, JAE-YOUNG, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[85] 2018-04-10
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[87] (WO2017/078376)
[30] KR (10-2015-0153211) 2015-11-02
[30] KR (10-2015-0160895) 2015-11-17
[30] KR (10-2016-0139443) 2016-10-25

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[13] A1

[51] **Int.Cl. G06Q 20/36 (2012.01)**
[25] EN
[54] **RE-USING E-COMMERCE PAYMENT INSTRUMENTS FOR IN-STORE USE SYSTEMS AND METHODS**
[54] **REUTILISATION D'INSTRUCTIONS DE PAIEMENT DE COMMERCE ELECTRONIQUE POUR SYSTEMES ET PROCEDES D'UTILISATION EN MAGASIN**
[72] KIEFFER, BRADLEY JOSEPH, US
[72] MATTHEWS, MARK, US
[72] DANIYALZADE, EYTAN, US
[72] NELMS, DAVID MARTIN, US
[72] RAJENDRAN, PRASANNA, US
[72] BERRY, CHARLES DAVID, US
[72] ECKERT, DANIEL, US
[71] WALMART APOLLO, LLC, US
[85] 2018-04-10
[86] 2015-10-12 (PCT/US2015/055134)
[87] (WO2017/065735)

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[13] A1

[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/353 (2006.01) A61K 31/4178 (2006.01)**

[25] EN

[54] **METHOD FOR PURIFYING BENZOPYRAN DERIVATIVE, CRYSTAL FORM THEREOF, AND METHOD FOR PREPARING CRYSTAL FORM**

[54] **PROCEDE DE PURIFICATION DE DERIVE DE BENZOPYRANE, FORME CRISTALLINE CORRESPONDANTE ET PROCEDE DE PREPARATION DE LA FORME CRISTALLINE**

[72] RYU, JAE-CHUN, KR
[72] PARK, YONG-KYUN, KR
[72] KIM, HYUN-KYU, KR
[72] SHIN, DONG-YEOP, KR
[71] HANLIM PHARMACEUTICAL CO., LTD., KR

[85] 2018-04-10
[86] 2016-11-24 (PCT/KR2016/013585)
[87] (WO2017/090991)
[30] KR (10-2015-0167238) 2015-11-27

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[13] A1

[51] **Int.Cl. C12C 5/00 (2006.01) A21D 2/08 (2006.01) A23C 19/00 (2006.01) A23C 23/00 (2006.01) A61K 38/56 (2006.01) C12C 11/00 (2006.01) C12G 1/06 (2006.01) C12J 1/00 (2006.01)**

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[72] GIUSEPPIN, MARCO LUIGI FEDERICO, NL

[72] MOOIJ, CATHARINA MARIA ANTOINETTE, NL

[72] SPELBRINK, ROBIN ERIC JACOBUS, NL

[71] COOPERATIE AVEBE U.A., NL

[85] 2018-04-10
[86] 2016-11-04 (PCT/NL2016/050771)
[87] (WO2017/078530)
[30] EP (15193462.7) 2015-11-06

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[13] A1

[51] **Int.Cl. C08J 5/18 (2006.01) B65D 65/46 (2006.01) C08L 29/00 (2006.01) C11D 17/04 (2006.01)**

[25] EN

[54] **WATER SOLUBLE FILM, PACKETS EMPLOYING THE FILM, AND METHODS OF MAKING AND USING SAME**

[54] **FILM HYDROSOLUBLE, PAQUETS UTILISANT CE FILM ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**

[72] FRIEDRICH, STEVEN G., US
[72] LEE, DAVID M., US
[72] NII, SHINSUKE, US
[71] MONOSOL, LLC, US

[85] 2018-04-09
[86] 2017-04-13 (PCT/US2017/027433)
[87] (WO2017/180883)
[30] US (62/322,216) 2016-04-13

[21] **3,001,550**
[13] A1

[51] **Int.Cl. C09K 8/66 (2006.01) C09K 8/524 (2006.01) C09K 8/536 (2006.01) C09K 8/70 (2006.01) C09K 8/74 (2006.01) C09K 8/84 (2006.01) C09K 8/92 (2006.01)**

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[54] **TRIGGERING AN EXOTHERMIC REACTION FOR RESERVOIRS USING MICROWAVES**

[54] **DECLenchement D'UNE REACTION EXOTHERMIQUE POUR RESERVOIRS AU MOYEN DE MICRO-ONDES**

[72] AL-NAKHLI, AYMAN R., SA
[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2018-04-09
[86] 2016-11-03 (PCT/US2016/060247)
[87] (WO2017/079386)
[30] US (62/251,609) 2015-11-05

[21] **3,001,551**
[13] A1

[51] **Int.Cl. C11D 17/04 (2006.01) B65D 65/46 (2006.01)**

[25] EN

[54] **WATER-SOLUBLE FILMS, POUCHES, AND CONTAINER SYSTEMS**

[54] **FILMS SOLUBLES DANS L'EAU, POCHE ET SYSTEMES DE CONTENANT**

[72] FRIEDRICH, STEVEN G., US
[72] LABEQUE, REGINE, BE
[72] COURCHAY, FLORENCE CATHERINE, BE

[72] KEULEERS, ROBBY RENILDE FRANCOIS, BE

[72] MARIA, KAREL JOZEF DEPOOT, US

[72] GERMAIN, HUGO ROBERT DENUTTE, US

[71] MONOSOL, LLC, US

[85] 2018-04-09
[86] 2017-04-13 (PCT/US2017/027441)
[87] (WO2017/180888)
[30] US (62/322,234) 2016-04-13

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[13] A1

[51] **Int.Cl. B65D 65/46 (2006.01) C11D 17/04 (2006.01)**

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[54] **WATER-SOLUBLE PACKETS**

[54] **EMBALLAGES HYDROSOLUBLES**

[72] KEULEERS, ROBBY RENILDE FRANCOIS, BE

[72] FRIEDRICH, STEVEN G., US
[72] YEUNG, LEE K., US
[72] NII, SHINSUKE, US
[71] MONOSOL, LLC, US

[85] 2018-04-09
[86] 2017-06-12 (PCT/US2017/036998)
[87] (WO2017/218404)
[30] US (62/349,440) 2016-06-13

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[13] A1

[51] **Int.Cl. G06Q 20/00 (2012.01)**
[25] EN
[54] **MERCHANT SPLIT TENDER SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'OFFRE SCINDEE DE COMMERCANT**
[72] KIEFFER, BRADLEY JOSEPH, US
[72] MATTHEWS, MARK, US
[72] BERRY, CHARLES DAVID, US
[72] RAJENDRAN, PRASANNA, US
[72] NELMS, DAVID MARTIN, US
[72] DANIALZADE, EYTAN, US
[71] ECKERT, DANIEL, US
[71] WALMART APOLLO, LLC, US
[85] 2018-04-10
[86] 2015-10-12 (PCT/US2015/055136)
[87] (WO2017/065736)

[21] **3,001,554**
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **COMMON INTERFACE/EXPERIENCE FOR MOBILE WALLET SYSTEMS AND METHODS**
[54] **INTERFACE/EXPERIENCE COMMUNE POUR SYSTEMES ET PROCEDES DE PORTE-MONNAIE MOBILE**
[72] KIEFFER, BRADLEY JOSEPH, US
[72] DANIALZADE, EYTAN, US
[72] RAJENDRAN, PRASANNA, US
[72] BERRY, CHARLES DAVID, US
[72] NELMS, DAVID MARTIN, US
[72] MATTHEWS, MARK, US
[71] ECKERT, DANIEL, US
[71] WALMART APOLLO, LLC, US
[85] 2018-04-10
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[21] **3,001,555**
[13] A1

[51] **Int.Cl. G01N 30/26 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CHANGING SOLUTION CONDITIONS IN SERIAL FLOW**
[54] **DISPOSITIF ET PROCEDE DE CHANGEMENT DE CONDITIONS DE SOLUTION DANS UN ECOULEMENT EN SERIE**
[72] REED, WAYNE F., US
[71] ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND, US
[85] 2018-04-10
[86] 2015-10-13 (PCT/US2015/055204)
[87] (WO2016/061024)
[30] US (62/063,020) 2014-10-13

[21] **3,001,556**
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 33/128 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **WELLBORE ISOLATION DEVICES WITH SLIP BANDS AND WEAR BANDS HAVING MODIFIED SURFACES**
[54] **DISPOSITIFS D'ISOLEMENT DE Puits DE Forage Pourvus De Bandes De Retenue Et De Bandes D'Usure Ayant Des Surfaces Modifiees**
[72] FRIPP, MICHAEL LINLEY, US
[72] GANO, JOHN CHARLES, US
[72] WALTON, ZACHARY WILLIAM, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-10
[86] 2015-12-29 (PCT/US2015/067786)
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[13] A1

[51] **Int.Cl. B65G 29/00 (2006.01)**
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[54] **DISC CONVEYOR FOR SAMPLE CUPS AND THE LIKE**
[54] **TRANSPORTEUR A DISQUES POUR CAPSULES D'ECHANTILLON ET AUTRES**
[72] WILT, ROBERT R., US
[72] MARSCHALCO, CORNELL S., US
[72] FAUSTINI, LOU, US
[71] WILT, ROBERT R., US
[71] FAUSTINI, LOU, US
[71] THE INNOVATIVE TECHNOLOGIES GROUP & CO., LTD, US
[85] 2018-04-10
[86] 2016-10-11 (PCT/US2016/056413)
[87] (WO2017/062981)
[30] US (62/239,878) 2015-10-10

[21] **3,001,558**
[13] A1

[51] **Int.Cl. C08G 18/54 (2006.01) C08G 18/16 (2006.01) C08G 18/18 (2006.01) C08G 18/42 (2006.01) C08G 18/76 (2006.01) C08K 3/30 (2006.01) C08L 67/00 (2006.01)**
[25] EN
[54] **POLYURETHANE CATALYSTS FROM SULFUR BASED SALTS**
[54] **CATALYSEURS DE POLYURETHANNE A BASE DE SELS SOUFRES**
[72] BURDENIUC, JUAN JESUS, US
[71] EVONIK DEGUSSA GMBH, DE
[85] 2018-04-10
[86] 2016-04-13 (PCT/US2016/027319)
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[30] US (14/881,544) 2015-10-13

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[21] **3,001,559**
[13] A1

[51] **Int.Cl. F25J 3/04 (2006.01) F04D 17/12 (2006.01) F04D 25/06 (2006.01) F04D 25/16 (2006.01) F04D 27/02 (2006.01)**

[25] EN

[54] **METHOD FOR COMPRESSING AN INCOMING FEED AIR STREAM IN A CRYOGENIC AIR SEPARATION PLANT**

[54] **PROCEDE DE COMPRESSION D'UN FLUX D'AIR D'ALIMENTATION ENTRANT DANS UNE INSTALLATION DE SEPARATION D'AIR CRYOGENIQUE**

[72] DEGENSTEIN, NICK J., US
[72] ROSEN, LEE J., US
[72] ABDELWAHAB, AHMED F., US
[72] SCHWARZ, CARL L., US
[72] CHEN, REH-LIN, US
[72] HOWARD, HENRY E., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2018-04-10
[86] 2016-06-08 (PCT/US2016/036345)
[87] (WO2017/065843)
[30] US (14/883,857) 2015-10-15

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[13] A1

[51] **Int.Cl. F04B 47/02 (2006.01) F04B 17/03 (2006.01) F04B 53/00 (2006.01) F04D 13/10 (2006.01)**

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[54] **TANDEM MOTOR LINEAR ROD PUMP**

[54] **POMPE A TIGE LINEAIRE ET A MOTEURS EN TANDEM**

[72] HILGERS, ANDREW J., US
[72] MACDONALD, MICHAEL A., US
[72] GREGORY, BENJAMIN J., US
[72] PETERSON, RONALD G., US
[71] UNICO, INC., US
[85] 2018-04-10
[86] 2016-10-13 (PCT/US2016/056830)
[87] (WO2017/066440)
[30] US (62/241,428) 2015-10-14
[30] US (15/283,934) 2016-10-03

[21] **3,001,561**
[13] A1

[51] **Int.Cl. F25J 3/04 (2006.01) F04D 17/12 (2006.01) F04D 25/06 (2006.01) F04D 25/16 (2006.01) F04D 27/02 (2006.01)**

[25] EN

[54] **METHOD FOR COMPRESSING AN INCOMING FEED AIR STREAM IN A CRYOGENIC AIR SEPARATION PLANT**

[54] **PROCEDE DE COMPRESSION D'UN COURANT D'AIR ENTRANT D'ALIMENTATION DANS UNE INSTALLATION DE SEPARATION CRYOGENIQUE DE L'AIR**

[72] SCHWARZ, CARL L., US
[72] ROSEN, LEE J., US
[72] DEGENSTEIN, NICK J., US
[72] HOWARD, HENRY E., US
[72] CHEN, REH-LIN, US
[72] ABDELWAHAB, AHMED F., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2018-04-10
[86] 2016-06-08 (PCT/US2016/036347)
[87] (WO2017/065844)
[30] US (14/883,870) 2015-10-15

[21] **3,001,564**
[13] A1

[51] **Int.Cl. F25J 3/04 (2006.01) F04D 17/12 (2006.01) F04D 25/06 (2006.01) F04D 27/02 (2006.01)**

[25] EN

[54] **SYSTEM AND APPARATUS FOR COMPRESSING AND COOLING AN INCOMING FEED AIR STREAM IN A CRYOGENIC AIR SEPARATION PLANT**

[54] **SYSTEME ET APPAREIL DE COMPRESSION ET DE REFROIDISSEMENT D'UN FLUX D'AIR D'ALIMENTATION ENTRANT DANS UNE INSTALLATION DE SEPARATION D'AIR CRYOGENIQUE**

[72] SCHWARZ, CARL L., US
[72] ABDELWAHAB, AHMED F., US
[72] ROSEN, LEE J., US
[72] HENZLER, GREGORY W., US
[72] HOWARD, HENRY E., US
[72] CROWE, THOMAS J., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2018-04-10
[86] 2016-06-08 (PCT/US2016/036355)
[87] (WO2017/065845)
[30] US (14/883,881) 2015-10-15

[21] **3,001,565**
[13] A1

[51] **Int.Cl. E21B 43/27 (2006.01) C09K 8/68 (2006.01) C09K 8/74 (2006.01) E21B 43/25 (2006.01)**

[25] EN

[54] **GELLING FLUIDS AND RELATED METHODS OF USE**

[54] **FLUIDES GELIFIANTS ET PROCEDES D'UTILISATION ASSOCIES**

[72] LIM, SUEANN, SG
[72] NDONG, ROSE, US
[72] SHEN, LINGJUAN, US
[72] RABIE, AHMED, US
[72] DAHANAYAKE, MANILAL S., US
[71] RHODIA OPERATIONS, FR
[85] 2018-04-10
[86] 2016-10-14 (PCT/US2016/057063)
[87] (WO2017/066585)
[30] US (62/241,250) 2015-10-14

[21] **3,001,568**
[13] A1

[51] **Int.Cl. C25C 1/12 (2006.01)**

[25] EN

[54] **OPPORTUNITIES FOR RECOVERY AUGMENTATION PROCESS AS APPLIED TO MOLYBDENUM PRODUCTION**

[54] **PERSPECTIVES D'EVOLUTION DANS LE PROCESSUS D'AUGMENTATION DE RENDEMENT TEL QU'APPLIQUE A LA PRODUCTION DE MOLYBDENE**

[72] ROTHMAN, PAUL J., US
[72] FERNALD, MARK R., US
[72] AMELUNXEN, PETER, CA
[71] CIDRA CORPORATE SERVICES INC., US
[85] 2018-04-10
[86] 2016-10-17 (PCT/US2016/057334)
[87] (WO2017/066756)
[30] US (62/242,521) 2015-10-16

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[51] **Int.Cl. B01L 3/00 (2006.01) B03C 5/02 (2006.01) C12M 3/06 (2006.01) C12M 3/08 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SINGLE CELL MICROFLUIDIC DEVICE**
[54] **DISPOSITIF MICROFLUIDIQUE A CELLULE UNIQUE**
[72] LEE, ABRAHAM P., US
[72] LEE, DO-HYUN, US
[72] WICKRAMASINGHE, H. KUMAR, US
[72] TAO, YINGLEI, US
[72] LI, XUAN, US
[72] YUN, YUE, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2018-04-10
[86] 2016-10-12 (PCT/US2016/056683)
[87] (WO2017/066351)
[30] US (62/241,600) 2015-10-14
[30] US (62/384,628) 2016-09-07
[30] US (15/288,969) 2016-10-07

[21] **3,001,572**
[13] A1

[51] **Int.Cl. A61K 38/46 (2006.01) A61K 9/00 (2006.01) A61M 5/14 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **ENTERAL FEEDING DEVICES AND RELATED METHODS OF USE**
[54] **DISPOSITIFS D'ALIMENTATION ENTERALE ET METHODES D'UTILISATION ASSOCIEES**
[72] GALLOTTO, ROBERT, US
[72] LORING, GRETA L., US
[72] GARY, KENNETH, US
[72] PARK, EDWARD S., US
[72] BROWN, DAVID J., US
[72] SCHOEVAART, WILLEM ROBERT KLAAS, NL
[72] VAN VLIET, MICHIEL CHRISTIAN ALEXANDER, NL
[71] ALCRESTA THERAPEUTICS, INC., US
[85] 2018-04-10
[86] 2016-10-13 (PCT/US2016/056722)
[87] (WO2017/066372)
[30] US (62/241,608) 2015-10-14
[30] US (15/291,530) 2016-10-12

[21] **3,001,574**
[13] A1

[51] **Int.Cl. C12N 9/14 (2006.01)**
[25] EN
[54] **CODON-OPTIMIZED REDUCED-SIZE ATP7A CDNA AND USES FOR TREATMENT OF COPPER TRANSPORT DISORDERS**
[54] **ADNC A CODONS OPTIMISES POUR UNE ATP7A DE TAILLE REDUITE, ET UTILISATION POUR LE TRAITEMENT DE TROUBLES DU TRANSPORT DU CUIVRE**
[72] KALER, STEPHEN G., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2018-04-10
[86] 2016-10-21 (PCT/US2016/058124)
[87] (WO2017/070472)
[30] US (62/244,594) 2015-10-21

[21] **3,001,575**
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/10 (2012.01) B65D 33/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTING BAGS AND ANALYZING SALES OF ITEMS PROMOTED ON BAGS**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE SACS ET D'ANALYSE DE VENTES D'ARTICLES PROMUS SUR LES SACS**
[72] KOHN, STEVE, US
[71] KOHN, STEVE, US
[85] 2018-04-10
[86] 2016-10-13 (PCT/US2016/056808)
[87] (WO2017/066426)
[30] US (14/756,783) 2015-10-13

[21] **3,001,577**
[13] A1

[51] **Int.Cl. A61N 1/375 (2006.01)**
[25] EN
[54] **SKULL-MOUNTED DEEP BRAIN STIMULATOR**
[54] **STIMULATEUR CEREBRAL PROFOND MONTE SUR UN CRANE**
[72] ORINSKI, WILLIAM G., US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2018-04-10
[86] 2016-10-13 (PCT/US2016/056836)
[87] (WO2017/091299)
[30] US (62/260,626) 2015-11-29
[30] US (15/291,846) 2016-10-12

[21] **3,001,579**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01) G10L 25/06 (2013.01) G10L 25/51 (2013.01) G10L 21/00 (2013.01)**
[25] EN
[54] **ENCODING OF MULTIPLE AUDIO SIGNALS**
[54] **CODAGE DE SIGNAUX AUDIO MULTIPLES**
[72] ATTI, VENKATRAMAN, US
[72] CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR, US
[72] SINDER, DANIEL JARED, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-04-10
[86] 2016-09-26 (PCT/US2016/053799)
[87] (WO2017/087073)
[30] US (62/258,369) 2015-11-20
[30] US (15/274,041) 2016-09-23

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[21] **3,001,582**
[13] A1

[51] **Int.Cl. C07C 67/54 (2006.01) B01D 3/14 (2006.01) B01D 17/025 (2006.01) C07C 67/48 (2006.01) C07C 69/54 (2006.01)**

[25] EN
[54] **PROCESS FOR PURIFICATION OF METHYL METHACRYLATE**
[54] **PROCEDE DE PURIFICATION DE METHACRYLATE DE METHYLE**

[72] JEWELL, DENNIS W., US
[72] PENDERGAST, JOHN G., US
[72] WORLEY, WILLIAM G., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2018-04-10
[86] 2016-09-28 (PCT/US2016/054043)
[87] (WO2017/065969)
[30] US (62/241,345) 2015-10-14

[21] **3,001,583**
[13] A1

[51] **Int.Cl. H04L 12/26 (2006.01) H04L 1/12 (2006.01) H04L 12/24 (2006.01)**

[25] EN
[54] **TRANSPORT OF TIME SENSITIVE INFORMATION USING THE INTERNET**
[54] **TRANSPORT D'INFORMATIONS SENSIBLES AU TEMPS A L'AIDE D'INTERNET**

[72] CERVANTES, JAMES HOWARD, US
[72] REGAN, MICHAEL CHRISTOPHER, US
[71] VIDEOLINK LLC, US
[85] 2018-04-10
[86] 2016-10-07 (PCT/US2016/055931)
[87] (WO2017/066089)
[30] US (62/241,407) 2015-10-14

[21] **3,001,584**
[13] A1

[51] **Int.Cl. A63H 3/33 (2006.01) A47G 33/00 (2006.01) A63H 3/02 (2006.01) A63H 5/00 (2006.01)**

[25] EN
[54] **INSPIRATIONAL TALKING TOYS**
[54] **JOUETS PARLANTS STIMULANTS**

[72] OSAROGIAGBON, KELVIN, IE
[71] OSAROGIAGBON, KELVIN, IE
[85] 2018-04-13
[86] 2015-10-19 (PCT/IB2015/001946)
[87] (WO2016/059467)
[30] EP (PCT/EP2014/002857) 2014-10-17

[21] **3,001,590**
[13] A1

[51] **Int.Cl. C07K 14/54 (2006.01)**

[25] EN
[54] **IMPROVED THERAPEUTIC CONTROL OF PROTEOLYTICALLY SENSITIVE, DESTABILIZED FORMS OF INTERLEUKIN-12**
[54] **CONTROLE THERAPEUTIQUE AMELIORE DE FORMES D'INTERLEUKINE-12 DESTABILISEES SENSIBLES A LA PROTEOLYSE**

[72] YARLAGADDA, RAMYA, US
[72] REED, CHARLES, US
[72] STEWART, CHARLES ANDREW (MARSHALL), US
[72] EMTAGE, PETER, US
[72] SHAH, RUTUL, US
[72] CHAN, TIMOTHY, US
[71] INTREXON CORPORATION, US
[85] 2018-04-10
[86] 2016-10-10 (PCT/US2016/056281)
[87] (WO2017/062953)
[30] US (62/239,871) 2015-10-10

[21] **3,001,592**
[13] A1

[51] **Int.Cl. A47B 49/00 (2006.01) A47B 77/14 (2006.01) A47B 81/00 (2006.01) A47F 7/00 (2006.01) A47J 47/16 (2006.01) F16B 45/00 (2006.01)**

[25] EN
[54] **ROTATABLE STORAGE DEVICE**
[54] **DISPOSITIF DE STOCKAGE ROTATIF**

[72] HALL, DAVID, US
[71] REV-A-SHELF COMPANY, LLC, US
[85] 2018-04-10
[86] 2016-10-14 (PCT/US2016/057003)
[87] (WO2017/066542)
[30] US (62/242,128) 2015-10-15
[30] US (15/257,523) 2016-09-06

[21] **3,001,594**
[13] A1

[51] **Int.Cl. A01N 43/04 (2006.01) A61K 31/70 (2006.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01)**

[25] EN
[54] **NUCLEIC ACID MOLECULES CONTAINING SPACERS AND METHODS OF USE THEREOF**
[54] **MOLECULES D'ACIDE NUCLEIQUE CONTENANT DES ESPACEURS ET LEURS PROCEDES D'UTILISATION**

[72] GRAY, JOHN T., US
[71] AUDENTES THERAPEUTICS, INC., US
[85] 2018-04-10
[86] 2016-10-14 (PCT/US2016/057055)
[87] (WO2017/066579)
[30] US (62/241,483) 2015-10-14

[21] **3,001,596**
[13] A1

[51] **Int.Cl. C12N 15/74 (2006.01) C12N 9/10 (2006.01) C12N 9/12 (2006.01) C12P 5/02 (2006.01) C12P 7/04 (2006.01) C12P 7/40 (2006.01) C12P 7/42 (2006.01) C12P 7/44 (2006.01)**

[25] EN
[54] **GENETICALLY ENGINEERED BACTERIUM COMPRISING ENERGY-GENERATING FERMENTATION PATHWAY**
[54] **BACTERIE GENETIQUEMENT MODIFIEE COMPRENANT UNE VOIE DE FERMENTATION A PRODUCTION D'ENERGIE**

[72] KOEPKE, MICHAEL, US
[72] JENSEN, RASMUS OVERGAARD, US
[72] BEHRENDORFF, JAMES BRUCE YARNTON HAYCOCK, US
[72] HILL, RYAN EDWARD, US
[72] MUELLER, ALEXANDER PAUL, US
[72] JUMINAGA, DARMAWI, US
[71] LANZATECH NEW ZEALAND LIMITED, NZ
[85] 2018-04-10
[86] 2016-10-13 (PCT/US2016/056926)
[87] (WO2017/066498)
[30] US (62/240,850) 2015-10-13

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[21] **3,001,599**
[13] A1

[51] **Int.Cl. A61K 31/136 (2006.01) A61K 31/53 (2006.01) A61K 31/704 (2006.01) A61K 31/7048 (2006.01) A61K 31/7068 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY FOR TREATING MALIGNANCIES**

[54] **POLYTHERAPIE POUR LE TRAITEMENT DES PATHOLOGIES MALIGNES**

[72] AGRESTA, SAMUEL V., US

[71] AGIOS PHARMACEUTICALS, INC., US

[85] 2018-04-10

[86] 2016-10-14 (PCT/US2016/057083)

[87] (WO2017/066599)

[30] US (62/242,256) 2015-10-15

[30] US (62/255,194) 2015-11-13

[21] **3,001,600**
[13] A1

[51] **Int.Cl. C10M 177/00 (2006.01) C07C 2/50 (2006.01) C10M 101/04 (2006.01) C10M 105/32 (2006.01)**

[25] EN

[54] **LUBRICATING COMPOSITIONS AND METHODS FOR THE USE THEREOF**

[54] **COMPOSITIONS LUBRIFIANTES ET LEURS PROCEDES D'UTILISATION**

[72] CUFF, THOMAS J., US

[72] BOWERS, JAMES L., US

[72] OLIVIER, ERIC J., US

[72] YAO, KEJIAN, US

[71] INGEVITY SOUTH CAROLINA, LLC, US

[85] 2018-04-10

[86] 2016-10-14 (PCT/US2016/057079)

[87] (WO2017/066595)

[30] US (62/242,100) 2015-10-15

[21] **3,001,607**
[13] A1

[51] **Int.Cl. G08G 1/01 (2006.01) G08G 1/052 (2006.01)**

[25] EN

[54] **SYSTEM FOR PROVIDING A CITY PLANNING TOOL**

[54] **SYSTEME PERMETTANT DE POURVOIR A UN OUTIL DE PLANIFICATION URBAINE**

[72] KNOEPFLE, DANIEL, US

[72] HALL, JONATHAN, US

[71] UBER TECHNOLOGIES, INC., US

[85] 2018-04-10

[86] 2016-10-14 (PCT/US2016/057151)

[87] (WO2017/066646)

[30] US (14/885,578) 2015-10-16

[21] **3,001,608**
[13] A1

[51] **Int.Cl. B65B 25/14 (2006.01) B65B 53/02 (2006.01) B65D 71/00 (2006.01)**

[25] EN

[54] **BUNDLED PRODUCT AND SYSTEM AND METHOD FOR FORMING THE SAME**

[54] **PRODUIT EMPAQUETE ET SYSTEME ET PROCEDE POUR FORMER CELUI-CI**

[72] ANKLAM, CHRIS B., US

[72] PENCE, JUSTIN S., US

[72] MILLER, BYRD TYLER, US

[72] SABBAGH, AMIEL SAM, US

[72] SEALEY, JAMES E., US

[71] FIRST QUALITY TISSUE, LLC, US

[85] 2018-04-10

[86] 2016-10-14 (PCT/US2016/057163)

[87] (WO2017/066656)

[30] US (62/241,554) 2015-10-14

[30] US (62/370,128) 2016-08-02

[21] **3,001,609**
[13] A1

[51] **Int.Cl. G01N 15/06 (2006.01) G01F 1/12 (2006.01) G01N 11/00 (2006.01) G01N 29/00 (2006.01)**

[25] EN

[54] **CONTINUOUS FLOW FLUID CONTAMINANT SENSING SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE DETECTION DE CONTAMINANT DE FLUIDE A FLUX CONTINU**

[72] MERRILL, JOHN H., US

[72] WALDROP, ALEX A., III, US

[72] BECKS, ERIC R., US

[71] QUANSOR CORPORATION, US

[85] 2018-04-10

[86] 2016-10-14 (PCT/US2016/057239)

[87] (WO2017/066721)

[30] US (62/241,196) 2015-10-14

[21] **3,001,610**
[13] A1

[51] **Int.Cl. A47G 1/06 (2006.01) A47G 1/14 (2006.01) B44C 5/02 (2006.01) B44D 3/18 (2006.01) G09F 1/06 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR MANUFACTURING AN IMAGE DISPLAY**

[54] **APPAREIL ET PROCEDE POUR FABRIQUER UN DISPOSITIF D'AFFICHAGE D'IMAGE**

[72] MILLMAN, RYAN J., US

[72] SMITH, CHEYNE, US

[71] GALLERY BLOCKS LLC D/B/A ARTSY COUTURE, US

[85] 2018-04-10

[86] 2016-10-17 (PCT/US2016/057374)

[87] (WO2017/066776)

[30] US (62/242,762) 2015-10-16

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[21] **3,001,611**
[13] A1

[51] **Int.Cl. A01N 61/02 (2006.01) A01N 43/653 (2006.01) A01P 1/00 (2006.01) A01P 15/00 (2006.01)**

[25] EN

[54] **BIOCIDE CONCENTRATE COMPOSITION FOR THE ADDITION TO OIL-BASED FORMULATIONS, AND COMPOSITIONS CONTAINING THE SAME**

[54] **COMPOSITION DE CONCENTRE BIOCIDE POUR L'ADDITION DANS DES FORMULATIONS A BASE D'HUILE, ET COMPOSITIONS LA CONTENANT**

[72] FOX, ROGER, US
[72] THOMPSON, KIMBERLEE, US
[71] ARCH WOOD PROTECTION, INC., US

[85] 2018-04-10
[86] 2016-10-19 (PCT/US2016/057629)
[87] (WO2017/070166)
[30] US (62/243,310) 2015-10-19

[21] **3,001,612**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 50/28 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SCHEDULING AND FACILITATING WASTE REMOVAL**

[54] **SYSTEME ET PROCEDE POUR PLANIFIER ET FACILITER L'ENLEVEMENT DE DECHETS**

[72] LETTIERI, GREGORY, US
[72] PASQUALE, ADAM, US
[71] RECYCLE TRACK SYSTEMS INC., US

[85] 2018-04-10
[86] 2016-10-19 (PCT/US2016/057738)
[87] (WO2017/070228)
[30] US (62/243,221) 2015-10-19
[30] US (62/342,640) 2016-05-27

[21] **3,001,613**
[13] A1

[51] **Int.Cl. A61K 31/436 (2006.01) C12N 5/078 (2010.01) C12N 5/0783 (2010.01)**

[25] EN

[54] **METHODS OF PREPARING T CELLS FOR T CELL THERAPY**

[54] **METHODES DE PREPARATION DE LYMPHOCYTES T POUR TRAITEMENT PAR LYMPHOCYTES T**

[72] PEREZ, ARIANNE, US
[72] SABATINO, MARIANNA, US
[72] ROSENBERG, STEVEN A., US
[72] RESTIFO, NICHOLAS P., US
[71] KITE PHARMA, INC., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2018-04-10
[86] 2016-10-20 (PCT/US2016/057983)
[87] (WO2017/070395)
[30] US (62/244,036) 2015-10-20

[21] **3,001,614**
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01)**

[25] EN

[54] **PORTABLE CHARGING STATION**

[54] **POSTE DE CHARGE PORTATIF**

[72] JORE, LINCOLN, US
[72] KUCERA, JEFFREY R., US
[72] MATELSKE, DUKE P., II, US
[71] MTD PRODUCTS INC, US

[85] 2018-04-10
[86] 2016-10-24 (PCT/US2016/058381)
[87] (WO2017/070645)
[30] US (62/244,836) 2015-10-22

[21] **3,001,615**
[13] A1

[51] **Int.Cl. A61F 5/56 (2006.01)**

[25] EN

[54] **ORAL APPLIANCE**

[54] **APPAREIL BUCCAL**

[72] THORNTON, KEITH W., US
[72] MCAULEY, ALASTAIR EDWIN, NZ
[71] AIRWAY TECHNOLOGIES, LLC, US

[85] 2018-04-10
[86] 2016-10-27 (PCT/US2016/059056)
[87] (WO2017/079023)
[30] US (14/931,942) 2015-11-04

[21] **3,001,616**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**

[25] EN

[54] **MICROFLUIDIC APPARATUS HAVING AN OPTIMIZED ELECTROWETTING SURFACE AND RELATED SYSTEMS AND METHODS**

[54] **APPAREILLAGE MICROFLUIDIQUE COMPORTANT UNE SURFACE D'ELECTROMOUILLAGE OPTIMISEE, ET SYSTEMES ET METHODES ASSOCIES**

[72] LOWE, RANDALL D., US
[72] PEI, SHAO NING, US
[72] GONG, JIAN, US
[72] MASTROIANNI, ALEXANDER J., US
[72] MCEWEN, JASON M., US
[72] VALLEY, JUSTIN K., US
[71] BERKELEY LIGHTS, INC., US

[85] 2018-04-10
[86] 2016-10-27 (PCT/US2016/059234)
[87] (WO2017/075295)
[30] US (62/246,605) 2015-10-27
[30] US (62/247,725) 2015-10-28
[30] US (15/135,707) 2016-04-22
[30] US (62/342,131) 2016-05-26
[30] US (62/410,238) 2016-10-19

[21] **3,001,617**
[13] A1

[51] **Int.Cl. A47J 31/46 (2006.01)**

[25] EN

[54] **BEVERAGE PREPARATION DEVICE WITH DISK VALVE AND OPERATING METHOD**

[54] **DISPOSITIF DE PREPARATION DE BOISSON COMPRENANT UNE SOUPE A DISQUE ET PROCEDE DE FONCTIONNEMENT**

[72] FISCHER, DANIEL, CH
[72] SONDERERGGER, REMO, CH
[71] EUGSTER / FRISMAG AG, CH

[85] 2018-04-11
[86] 2016-08-31 (PCT/EP2016/070470)
[87] (WO2017/063784)
[30] DE (10 2015 117 628.9) 2015-10-16

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[21] **3,001,618**
[13] A1

[51] **Int.Cl. A61F 2/90 (2013.01)**
[25] EN
[54] **IMPLANTABLE MEDICAL DEVICE WITH BONDING REGION**
[54] **DISPOSITIF MEDICAL IMPLANTABLE AVEC REGION DE LIAISON**
[72] HOLLY, THOMAS, IE
[72] FOLAN, MARTYN G., IE
[72] KEATING, THOMAS M., IE
[72] WALSH, MICHAEL, IE
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2018-04-10
[86] 2016-10-27 (PCT/US2016/058999)
[87] (WO2017/075138)
[30] US (62/248,413) 2015-10-30

[21] **3,001,619**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **UNIT DOSE ASEPTIC AEROSOL MISTING DEVICE**
[54] **PULVERISATEUR D'AEROSOL ASEPTIQUE DE DOSE UNITAIRE**
[72] PAUNESCU, ALEXANDRU, US
[72] FOUGERE, RICHARD J., US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2018-04-10
[86] 2016-10-28 (PCT/US2016/059274)
[87] (WO2017/075321)
[30] US (62/248,736) 2015-10-30

[21] **3,001,620**
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **SYSTEM, APPARATUS, AND METHOD OF PROVIDING TATTOO FADING AND REMOVAL**
[54] **SYSTEME, APPAREIL ET PROCEDE PERMETTANT D'ESTOMPER ET D'ENLEVER UN TATOUAGE**
[72] DABNEY, PAUL, US
[71] DABNEY PATENTS, L.L.C., US
[85] 2018-04-10
[86] 2016-10-28 (PCT/US2016/059359)
[87] (WO2017/075376)
[30] US (62/248,721) 2015-10-30
[30] US (15/337,245) 2016-10-28

[21] **3,001,621**
[13] A1

[51] **Int.Cl. B01D 15/38 (2006.01) B82Y 15/00 (2011.01) C02F 1/469 (2006.01) C25B 9/06 (2006.01) G01N 30/34 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONTROLLING DNA, RNA AND OTHER BIOLOGICAL MOLECULES PASSING THROUGH NANOPORES**
[54] **PROCEDES ET SYSTEMES DE REGULATION D'ADN, D'ARN ET D'AUTRES MOLECULES BIOLOGIQUES TRAVERSANT DES NANOPORES**
[72] LEI, MING, US
[72] ROORDA, ROBERT, US
[72] CHEN, ZHOUTAO, US
[72] HO, NGA, US
[72] WANG, YONG, US
[71] UNIVERSAL SEQUENCING TECHNOLOGY CORPORATION, US
[85] 2018-04-10
[86] 2016-10-31 (PCT/US2016/059794)
[87] (WO2017/075620)
[30] US (62/248,756) 2015-10-30

[21] **3,001,622**
[13] A1

[51] **Int.Cl. A61B 5/026 (2006.01) G06T 7/20 (2017.01)**
[25] EN
[54] **METHOD AND APPARATUS OF ASSESSMENT OF ACCESS FLOW IN HEMODIALYSIS PATIENTS BY VIDEO IMAGING PROCESSING**
[54] **PROCEDE ET APPAREIL D'EVALUATION DU DEBIT D'ACCES CHEZ DES PATIENTS EN HEMODIALYSE PAR TRAITEMENT D'IMAGERIE VIDEO**
[72] KOTANKO, PETER, US
[72] ZHU, FANSAN, US
[71] FRESenius MEDICAL CARE HOLDINGS, INC., US
[85] 2018-04-10
[86] 2016-11-01 (PCT/US2016/059885)
[87] (WO2017/079142)
[30] US (62/250,294) 2015-11-03

[21] **3,001,623**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **THERAPEUTIC TARGETS FOR THE CORRECTION OF THE HUMAN DYSTROPHIN GENE BY GENE EDITING AND METHODS OF USE**
[54] **CIBLES THERAPEUTIQUES POUR LA CORRECTION DU GENE DE LA DYSTROPHINE HUMAINE PAR L'EDITION DE GENES ET PROCEDES D'UTILISATION**
[72] GERSBACH, CHARLES A., US
[72] ROBINSON-HAMM, JACQUELINE N., US
[71] DUKE UNIVERSITY, US
[85] 2018-04-10
[86] 2016-11-30 (PCT/US2016/064285)
[87] (WO2017/095967)
[30] US (62/260,712) 2015-11-30
[30] US (62/330,336) 2016-05-02

[21] **3,001,624**
[13] A1

[51] **Int.Cl. B65B 13/12 (2006.01) A01D 90/08 (2006.01)**
[25] EN
[54] **SYSTEMS FOR ENCASING ARTICLES IN A PROTECTIVE WRAP**
[54] **SYSTEMES POUR ENFERMER DES ARTICLES DANS UNE ENVELOPPE DE PROTECTION**
[72] DUX, DARIN L., US
[72] THOMPSON, KENT L., US
[72] GRAHAM, CURT T., US
[71] VERMEER MANUFACTURING COMPANY, US
[85] 2018-04-10
[86] 2017-05-16 (PCT/US2017/032801)
[87] (WO2017/200976)
[30] US (62/338,909) 2016-05-19

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[21] **3,001,625**
[13] A1

[51] **Int.Cl. A61K 31/195 (2006.01) A61K 31/198 (2006.01) A61K 38/00 (2006.01) A61K 38/51 (2006.01) A61P 19/10 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF HOMOCYSTEINURIA**

[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE L'HOMOCYSTEINURIE**

[72] KRAUS, JAN P., US

[72] MAJTAN, TOMAS, US

[72] BUBLIL, EREZ, IL

[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US

[85] 2018-04-10

[86] 2016-11-09 (PCT/US2016/061050)

[87] (WO2017/083327)

[30] US (14/935,690) 2015-11-09

[21] **3,001,626**
[13] A1

[51] **Int.Cl. H04W 28/02 (2009.01) H04W 72/12 (2009.01) H04W 88/06 (2009.01)**

[25] EN

[54] **DELIBERATING RETRANSMISSIONS TO AVOID NEW HYBRID AUTOMATIC REPEAT REQUESTS (HARQ)**

[54] **DELIBERATION DE RETRANSMISSIONS POUR EVITER DES NOUVELLES DEMANDES DE REPETITION HYBRIDE AUTOMATIQUE (HARQ)**

[72] RAJAE, AMIR, US

[72] SHAH, CHINTAN SHIRISH, US

[71] QUALCOMM INCORPORATED, US

[85] 2018-04-10

[86] 2016-12-01 (PCT/US2016/064360)

[87] (WO2017/096004)

[30] US (14/959,654) 2015-12-04

[21] **3,001,627**
[13] A1

[51] **Int.Cl. A61K 31/194 (2006.01) A61P 1/18 (2006.01)**

[25] EN

[54] **TREATMENT OF MIXED DYSLIPIDEMIA**

[54] **TRAITEMENT DE LA DYSLIPIDEMIE MIXTE**

[72] BISGAIER, CHARLES, L., US

[72] ONICIU, DANIELA, CARMEN, FR

[71] GEMPHIRE THERAPEUTICS, INC., US

[85] 2018-04-10

[86] 2016-11-07 (PCT/US2016/060837)

[87] (WO2017/079748)

[30] US (62/252,147) 2015-11-06

[30] US (62/252,195) 2015-11-06

[21] **3,001,628**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/021 (2006.01) A61B 5/0402 (2006.01) A61B 5/1455 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **WEARABLE HEALTH MONITORS AND METHODS OF MONITORING HEALTH**

[54] **DISPOSITIFS DE SURVEILLANCE DE L'ETAT DE SANTE PORTABLE ET PROCEDES DE SURVEILLANCE DE L'ETAT DE SANTE**

[72] MATICHUK, BRUCE, CA

[72] DUGUAY, RANDY, CA

[72] PARKER, WILLIAM, CA

[72] MOORE, MATHEW, CA

[72] ANTONIUK, TIM, CA

[71] SALU DESIGN GROUP INC., CA

[85] 2018-04-11

[86] 2016-10-13 (PCT/CA2016/051195)

[87] (WO2017/063086)

[30] US (62/240,607) 2015-10-13

[21] **3,001,629**
[13] A1

[51] **Int.Cl. E21B 23/01 (2006.01) E21B 4/18 (2006.01)**

[25] EN

[54] **HYDRAULIC ANCHORING ASSEMBLY FOR INSERTABLE PROGRESSING CAVITY PUMP**

[54] **ENSEMBLE D'ANCRAGE HYDRAULIQUE POUR POMPE INSERABLE A CAVITE EVOLUTIVE**

[72] FORD, FRANCIS JOHN GUILLENA, AU

[71] INFLATABLE PACKERS INTERNATIONAL PTY LTD, AU

[85] 2018-04-11

[86] 2016-10-14 (PCT/AU2016/050972)

[87] (WO2017/063051)

[30] AU (2015904259) 2015-10-16

[30] AU (2016903831) 2016-09-22

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[21] **3,001,630**
[13] A1

[51] **Int.Cl. C25B 9/00 (2006.01) C25B 9/06 (2006.01) C25B 9/08 (2006.01) C25B 9/10 (2006.01) C25B 9/18 (2006.01) C25B 9/20 (2006.01) C25C 1/00 (2006.01) C25C 1/12 (2006.01) C25C 7/00 (2006.01) C25C 7/02 (2006.01) C25C 7/04 (2006.01) C25C 7/06 (2006.01) C25C 7/08 (2006.01)**

[25] EN

[54] **FILTER PRESS DEVICE FOR ELECTRODEPOSITION OF METAL FROM SOLUTIONS, WHICH IS MADE UP OF SEPARATING ELEMENTS CONFORMED BY ION EXCHANGE MEMBRANES FORMING A PLURALITY OF ANOLYTE AND CATHOLYTE CHAMBERS, WHEREIN THE ELECTRODES ARE CONNECTED IN SERIES WITH AUTOMATIC DETACHMENT OF THE METAL PRODUCT**

[54] **DISPOSITIF DE PRESSE FILTRE SERVANT A L'ELECTROPLACAGE DE METAL DE SOLUTIONS, QUI EST FAIT D'ELEMENTS DE SEPARATION CONFORMES PAR DES MEMBRANES ECHANGEUSES D'IONS FORMANT UNE PLURALITE DE CHAMBRES D'ANOLYTE ET DE CAT HOLYTE, OU LES ELECTRODES SONT CONNECTEES EN SERIE OFFRANT LE DETACHEMENT AUTOMATIQUE DU PRODUIT DE METAL**

[72] RIVEROS URZUA, GABRIEL ANGEL, CL

[72] CIFUENTES CABEZAS, MAGDALENA, CL

[71] TRANSDUCTO S.A., CL

[85] 2018-04-09

[86] 2016-10-13 (PCT/CL2016/000059)

[87] (WO2017/063097)

[30] CL (3030-2015) 2015-10-13

[21] **3,001,631**
[13] A1

[51] **Int.Cl. G01N 35/04 (2006.01)**

[25] EN

[54] **ROTATING DISC TYPE FECAL OCCULT BLOOD DETECTION ANALYZER**

[54] **ANALYSEUR DE DETECTION DE SANG OCCULTE FECAL DE TYPE A DISQUE ROTATIF**

[72] WAN, JOHN, CN

[72] LI, ZEJIANG, CN

[72] SHEN, QINGWEI, CN

[71] W.H.P.M BIORESEARCH AND TECHNOLOGY CO., LTD., CN

[85] 2018-04-11

[86] 2016-09-29 (PCT/CN2016/100781)

[87] (WO2017/071450)

[30] CN (201510726035.8) 2015-10-30

[21] **3,001,632**
[13] A1

[51] **Int.Cl. A47L 13/59 (2006.01)**

[25] EN

[54] **SPONGE BOARD DEVICE**

[54] **DISPOSITIF DE PLAQUE D'EPONGE**

[72] ROGEBERG, JARAN, NO

[72] OSTIGARD, RUNE, NO

[72] JOHANSEN, KARE-JAN, NO

[72] LIMSETH, FINN, NO

[71] NODIN TOOLS AS, NO

[85] 2018-04-11

[86] 2015-10-13 (PCT/EP2015/073670)

[87] (WO2017/063675)

[21] **3,001,633**
[13] A1

[51] **Int.Cl. B65C 9/36 (2006.01) B65C 9/40 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR LABELLING INDIVIDUAL PACKAGINGS**

[54] **PROCEDE ET DISPOSITIF D'ETIQUETAGE D'EMBALLAGES INDIVIDUELS**

[72] WOLFF, PETER, DE

[71] ESPERA-WERKE GMBH, DE

[85] 2018-04-11

[86] 2016-07-20 (PCT/EP2016/067281)

[87] (WO2017/076522)

[30] DE (10 2015 119 153.9) 2015-11-06

[21] **3,001,634**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/722 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01)**

[25] EN

[54] **THERAPEUTIC USE OF A STERILE AQUEOUS OPHTHALMIC SOLUTION**

[54] **UTILISATION THERAPEUTIQUE D'UNE SOLUTION OPHTALMIQUE AQUEUSE STERILE**

[72] PRINZ, MARTIN, AT

[71] CROMA-PHARMA GESELLSCHAFT M.B.H., AT

[85] 2018-04-11

[86] 2016-10-27 (PCT/EP2016/075939)

[87] (WO2017/072236)

[30] EP (15192362.0) 2015-10-30

[21] **3,001,635**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**

[25] EN

[54] **AN OPHTHALMIC PROGRESSIVE ADDITION LENS FOR A MYOPIC AND PRESBYOPIC WEARER; METHOD FOR PROVIDING SUCH A LENS**

[54] **LENTILLE A ADDITION PROGRESSIVE OPHTALMIQUE POUR UN PORTEUR MYOPE ET PRESBYTE, ET PROCEDE DE PRODUCTION D'UNE TELLE LENTILLE**

[72] ROUSSEAU, BENJAMIN, FR

[72] HESLOUIS, MELANIE, FR

[72] FRICKER, SEBASTIEN, FR

[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-11

[86] 2016-10-11 (PCT/EP2016/074283)

[87] (WO2017/064030)

[30] EP (15306644.4) 2015-10-15

Demandes PCT entrant en phase nationale

[21] **3,001,637**
[13] A1

[51] **Int.Cl. C07K 16/34 (2006.01) C12N 15/00 (2006.01) C12P 21/02 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING ERYTHROCYTE PROTEINS**

[54] **PROCEDE DE PRODUCTION DE PROTEINES ERYTHROCYTAIRES**

[72] MOURO-CHANTELOUP, ISABELLE, FR

[72] GENETET, SANDRINE, FR

[71] UNIVERSITE PARIS DIDEROT PARIS 7, FR

[71] INSTITUT NATIONAL TRANSFUSION SANGUINE, FR

[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR

[85] 2018-04-09

[86] 2016-10-14 (PCT/EP2016/074792)

[87] (WO2017/064294)

[30] FR (1559895) 2015-10-16

[21] **3,001,638**
[13] A1

[51] **Int.Cl. C12N 9/16 (2006.01) C12N 15/55 (2006.01) C12P 7/02 (2006.01)**

[25] EN

[54] **DRIMENOL SYNTHASES III**

[54] **DRIMENOL SYNTHASES III**

[72] LIU, ERIC WEN-BO, CN

[72] HE, XIU-FENG, CN

[72] HAEFLIGER, OLIVIER, CN

[72] YU, ZONG-XIA, CN

[72] LI, PAN, CN

[71] FIRMENICH S.A, CH

[85] 2018-04-11

[86] 2016-11-07 (PCT/EP2016/076874)

[87] (WO2017/077125)

[30] CN (PCT/CN2015/093897) 2015-11-05

[21] **3,001,639**
[13] A1

[51] **Int.Cl. B30B 15/06 (2006.01) B27N 3/20 (2006.01) B27N 7/00 (2006.01)**

[25] EN

[54] **PRESSING TOOL DESIGNED AS A PRESS PLATEN**

[54] **OUTIL DE COMPRESSION CONCU EN TANT QUE PLAQUE DE COMPRESSION**

[72] ESPE, ROLF, DE

[71] HUECK RHEINISCHE GMBH, DE

[85] 2018-04-11

[86] 2016-11-08 (PCT/EP2016/076984)

[87] (WO2017/081008)

[30] DE (20 2015 007 762.5) 2015-11-10

[21] **3,001,640**
[13] A1

[51] **Int.Cl. H04N 19/147 (2014.01) H04N 19/103 (2014.01) H04N 19/115 (2014.01) H04N 19/146 (2014.01) H04N 19/154 (2014.01) H04N 19/176 (2014.01) H04N 19/192 (2014.01)**

[25] EN

[54] **DATA COMPRESSION**

[54] **COMPRESSION DE DONNEES**

[72] LAMBERT, ROBERT, GB

[71] DIGITAL BARRIERS SERVICES LTD, GB

[85] 2018-04-11

[86] 2016-09-15 (PCT/GB2016/052883)

[87] (WO2017/064457)

[30] GB (1518290.0) 2015-10-16

[21] **3,001,641**
[13] A1

[51] **Int.Cl. C05G 3/04 (2006.01) C05F 17/00 (2006.01)**

[25] EN

[54] **MICRO-CARBON BIO-FERTILIZER FOR RAPIDLY INCREASING SOIL GRANULAR STRUCTURE AND PREPARATION METHOD THEREOF**

[54] **BIOFERTILISANT AU MICRO-CARBONE SERVANT A AUGMENTER RAPIDEMENT LA STRUCTURE GRANULAIRE DU SOL ET METHODE DE PREPARATION ASSOCIEE**

[72] ZHANG, MINGQIANG, CN

[71] ZHANG, MINGQIANG, CN

[85] 2018-04-09

[86] 2016-06-17 (PCT/CN2016/086122)

[87] (WO2017/214960)

[21] **3,001,642**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**

[25] EN

[54] **AN OPHTHALMIC PROGRESSIVE ADDITION LENS FOR AN EMMETROPIC AND PRESBYOPIC WEARER; METHOD FOR PROVIDING SUCH A LENS**

[54] **VERRE OPHTALMIQUE A FOYER PROGRESSIF DESTINE A UN PORTEUR EMMETROPE ET PRESBYTE, ET PROCEDE DE FABRICATION D'UN TEL VERRE**

[72] HESLOUIS, MELANIE, FR

[72] ROUSSEAU, BENJAMIN, FR

[72] FRICKER, SEBASTIEN, FR

[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-11

[86] 2016-10-11 (PCT/EP2016/074290)

[87] (WO2017/064032)

[30] EP (15306646.9) 2015-10-15

[21] **3,001,643**
[13] A1

[51] **Int.Cl. H05B 3/34 (2006.01) H01Q 1/00 (2006.01)**

[25] EN

[54] **LAMINAR HEATING ELEMENTS WITH CUSTOMIZED OR NON-UNIFORM RESISTANCE AND/OR IRREGULAR SHAPES, AND PROCESSES FOR MANUFACTURE**

[54] **ELEMENTS DE CHAUFFAGE STRATIFIES AYANT UNE RESISTANCE PERSONNALISEE OU NON UNIFORME ET/OU DES FORMES IRREGULIERES ET PROCEDES DE FABRICATION**

[72] SAJIC, PETER, GB

[71] LAMINAHEAT HOLDING LTD., IE

[85] 2018-04-11

[86] 2016-10-14 (PCT/IB2016/001584)

[87] (WO2017/068416)

[30] US (62/243,240) 2015-10-19

[30] US (62/243,271) 2015-10-19

PCT Applications Entering the National Phase

[21] **3,001,644**
[13] A1

[51] **Int.Cl. F16H 1/32 (2006.01) F16H 55/10 (2006.01) F16H 55/17 (2006.01)**

[25] EN

[54] **INNER MESHING TRANSMISSION MECHANISM**

[54] **MECANISME DE TRANSMISSION A ENGRENEMENT INTERNE**

[72] FAN, ZHENGFU, CN
[72] CHEN, YUHAO, CN
[71] NINGBO HS-POWER DRIVE TECHNOLOGY CO. LTD, CN

[85] 2018-04-11
[86] 2016-10-11 (PCT/IB2016/001459)
[87] (WO2017/064549)

[30] CN (201510655588.9) 2015-10-13
[30] CN (201510993164.3) 2015-12-28
[30] CN (201610404869.1) 2016-06-08
[30] CN (201610403994.0) 2016-06-08
[30] CN (201620555031.8) 2016-06-08

[21] **3,001,645**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**

[25] EN

[54] **AN OPHTHALMIC PROGRESSIVE ADDITION LENS FOR A MYOPIC OR EMMETROPIC PRESBYOPIC WEARER; METHOD FOR PROVIDING SUCH A LENS**

[54] **VERRE OPHTALMIQUE A FOYER PROGRESSIF POUR PORTEUR MYOPE OU EMMETROPE PRESBYTE, ET PROCEDE DE FABRICATION D'UN TEL VERRE**

[72] ROUSSEAU, BENJAMIN, FR
[72] HESLOUIS, MELANIE, FR
[72] FRICKER, SEBASTIEN, FR
[72] LAKHCHAF, NACER, FR
[72] ESCALIER, GUILHEM, FR
[72] BONNIN, THIERRY, FR
[72] POULAIN, ISABELLE, FR
[72] JOLIVET, VALERIE, FR
[72] WIERZBICKI, JULIETTE, FR
[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-11
[86] 2016-10-11 (PCT/EP2016/074304)
[87] (WO2017/064041)

[30] EP (15306644.4) 2015-10-15
[30] EP (15306646.9) 2015-10-15
[30] EP (15306655.0) 2015-10-15
[30] EP (16305312.7) 2016-03-21

[21] **3,001,646**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**

[25] EN

[54] **AN OPHTHALMIC PROGRESSIVE ADDITION LENS FOR A PRESBYOPIC WEARER; METHOD FOR PROVIDING SUCH A LENS**

[54] **VERRE OPHTALMIQUE A FOYER PROGRESSIF POUR PORTEUR PRESBYTE, ET PROCEDE POUR LA DE FABRICATION D'UN TEL VERRE**

[72] ROUSSEAU, BENJAMIN, FR
[72] HESLOUIS, MELANIE, FR
[72] FRICKER, SEBASTIEN, FR
[72] LAKHCHAF, NACER, FR
[72] ESCALIER, GUILHEM, FR
[72] BONNIN, THIERRY, FR
[72] POULAIN, ISABELLE, FR
[72] JOLIVET, VALERIE, FR
[72] WIERZBICKI, JULIETTE, FR
[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-11
[86] 2016-10-11 (PCT/EP2016/074330)
[87] (WO2017/064055)

[30] EP (15306644.4) 2015-10-15
[30] EP (15306646.9) 2015-10-15
[30] EP (15306647.7) 2015-10-15
[30] EP (15306655.0) 2015-10-15
[30] EP (15306891.1) 2015-11-27
[30] EP (16305310.1) 2016-03-21

[21] **3,001,647**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/00 (2016.01)**

[25] EN

[54] **ECHOGENIC NEEDLE ASSEMBLIES AND METHOD OF USE THEREOF**

[54] **ENSEMBLES AIGUILLE ECHOGENE ET LEUR PROCEDE D'UTILISATION**

[72] CRISMAN, ANDREW, US
[72] FIELD, STEPHEN JAMES, GB
[72] GRANATA, ALYSA LAUREN, US
[72] TOOKMAN, NEIL ADAM, GB
[71] SMITHS MEDICAL INTERNATIONAL LIMITED, GB

[85] 2018-04-11
[86] 2016-10-19 (PCT/IB2016/001503)
[87] (WO2017/089876)

[30] US (62/246,222) 2015-10-26

[21] **3,001,648**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) A61B 3/113 (2006.01) G02C 7/06 (2006.01) G02C 13/00 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING AN OPTICAL SYSTEM OF A PROGRESSIVE LENS**

[54] **PROCEDE DE DETERMINATION D'UN SYSTEME OPTIQUE D'UN VERRE PROGRESSIF**

[72] ROUSSEAU, BENJAMIN, FR
[72] ESCALIER, GUILHEM, FR
[72] POULAIN, ISABELLE, FR
[72] WIERZBICKI, JULIETTE, FR
[72] CALIXTE, LAURENT, FR
[72] LAKHCHAF, NACER, FR
[72] MARIE, SARAH, FR
[72] BONNIN, THIERRY, FR
[72] JOLIVET, VALERIE, FR
[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-11
[86] 2016-10-11 (PCT/EP2016/074340)
[87] (WO2017/064060)

[30] EP (15306655.0) 2015-10-15
[30] EP (15306644.4) 2015-10-15
[30] EP (15306646.9) 2015-10-15
[30] EP (15306647.7) 2015-10-15
[30] EP (15306891.1) 2015-11-27

[21] **3,001,649**
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/5377 (2006.01) A61P 25/18 (2006.01) A61P 25/36 (2006.01) C07D 413/12 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **DOPAMINE D3 RECEPTOR ANTAGONISTS HAVING A MORPHOLINE MOIETY**

[54] **ANTAGONISTES DU RECEPTEUR D3 DE LA DOPAMINE AYANT UN FRAGMENT MORPHOLINE**

[72] CREMONESI, SUSANNA, IT
[72] MICHELI, FABRIZIO, IT
[72] SEMERARO, TERESA, IT
[72] TARSU, LUCA, IT
[71] INDIVIOR UK LIMITED, GB

[85] 2018-04-11
[86] 2016-10-13 (PCT/GB2016/053169)
[87] (WO2017/064488)

[30] GB (1518124.1) 2015-10-13

Demandes PCT entrant en phase nationale

[21] **3,001,650**
[13] A1

[51] **Int.Cl. A23F 5/04 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING GASEOUS EFFLUENTS DEVELOPED IN COFFEE ROASTING INSTALLATION**

[54] **PROCEDE POUR LE TRAITEMENT D'EFFLUENTS GAZEUX DEVELOPPES DANS UNE INSTALLATION POUR LA TORREFACTION DU CAFE**

[72] FURFORI, STEFANIA, IT
[72] ZATTARIN, LUCIANO, IT
[72] DEORSOLA, FABIO ALESSANDRO, IT
[72] BENSALID, SAMIR, IT
[72] RUSSO, NUNZIO, IT
[72] FINO, DEBORA, IT
[72] PIRONE, RAFFAELE, IT
[72] PIUMETTI, MARCO, IT
[71] LUIGI LAVAZZA S.P.A., IT
[85] 2018-04-11
[86] 2016-10-14 (PCT/IB2016/056154)
[87] (WO2017/064654)
[30] IT (102015000062406) 2015-10-16

[21] **3,001,651**
[13] A1

[51] **Int.Cl. C01B 3/16 (2006.01) B01J 23/00 (2006.01) B01J 35/02 (2006.01) C01B 3/48 (2006.01)**

[25] EN
[54] **WATER GAS SHIFT PROCESS**

[54] **PROCEDE DE CONVERSION CATALYTIQUE DE GAZ A L'EAU**

[72] COUSINS, MATTHEW JOHN, GB
[72] MARIGO, MICHELE, GB
[72] MCKIDD, NICOLA CAMPBELL, GB
[72] SENGELOW, WILLIAM MAURICE, GB
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2018-04-11
[86] 2016-10-14 (PCT/GB2016/053182)
[87] (WO2017/072480)
[30] GB (1519133.1) 2015-10-29

[21] **3,001,652**
[13] A1

[51] **Int.Cl. C11D 3/04 (2006.01) C11D 7/06 (2006.01) C11D 17/00 (2006.01)**

[25] EN
[54] **LIQUID DETERGENT CONCENTRATE**

[54] **CONCENTRE DE NETTOYAGE LIQUIDE**

[72] HAGLEITNER, HANS GEORG, AT
[71] HAGLEITNER, HANS GEORG, AT
[85] 2018-04-11
[86] 2016-10-14 (PCT/EP2016/074744)
[87] (WO2017/064266)
[30] EP (15190193.1) 2015-10-16

[21] **3,001,653**
[13] A1

[51] **Int.Cl. F41G 7/00 (2006.01) G06T 17/05 (2011.01) F41G 7/22 (2006.01) G01C 11/08 (2006.01) G06K 9/00 (2006.01) G06K 9/46 (2006.01) G06T 7/00 (2017.01)**

[25] EN
[54] **IMPROVEMENTS IN AND RELATING TO MISSILE TARGETING**

[54] **AMELIORATIONS D'IDENTIFICATION DE CIBLE DE MISSILE ET ASSOCIEES A CELLE-CI**

[72] NAFTEL, ANDREW JAMES, GB
[71] MBDA UK LIMITED, GB
[85] 2018-04-11
[86] 2016-10-17 (PCT/GB2016/053208)
[87] (WO2017/068331)
[30] GB (1518553.1) 2015-10-20
[30] EP (15275218.4) 2015-10-20

[21] **3,001,654**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/436 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **USES OF MYOSTATIN ANTAGONISTS, COMBINATIONS CONTAINING THEM AND USES THEREOF**

[54] **UTILISATIONS D'ANTAGONISTES DE LA MYOSTATINE, ASSOCIATIONS LES CONTENANT ET LEURS UTILISATIONS**

[72] KLINKSTEIN, LLOYD B., US
[72] ROUBENOFF, RONENN, CH
[72] FEIGE, JEROME, CH
[72] TRIFILIEFF, ESTELLE, CH
[72] HAKATEYAMA, SHINJI, CH
[71] NOVARTIS AG, CH
[85] 2018-04-11
[86] 2016-11-09 (PCT/IB2016/056744)
[87] (WO2017/081624)
[30] US (62/253,896) 2015-11-11

[21] **3,001,655**
[13] A1

[51] **Int.Cl. C07D 491/056 (2006.01) A61K 31/517 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**

[25] EN
[54] **A SALT OF EGFR INHIBITOR, CRYSTALLINE FORM AND USES THEREOF**

[54] **SEL D'UN INHIBITEUR D'EGFR, FORME CRISTALLINE CORRESPONDANTE ET UTILISATIONS CORRESPONDANTES**

[72] LIU, BING, CN
[72] ZHANG, WEIHONG, CN
[72] ZHANG, YINGJUN, CN
[71] SUNSHINE LAKE PHARMA CO., LTD., CN
[85] 2018-04-11
[86] 2016-10-18 (PCT/CN2016/102453)
[87] (WO2017/067447)
[30] CN (201510677405.3) 2015-10-19

PCT Applications Entering the National Phase

[21] **3,001,656**
[13] A1

[51] **Int.Cl. C07D 249/20 (2006.01) B29D 11/00 (2006.01) G02B 1/04 (2006.01)**

[25] EN

[54] **WATER-SOLUBLE UV-ABSORBING COMPOUNDS AND USES THEREOF**

[54] **COMPOSES HYDROSOLUBLES ABSORBANT LES UV ET LEURS UTILISATIONS**

[72] CHANG, FRANK, US
[72] DESOUSA, RYAN, US
[72] HOLLAND, TROY VERNON, US
[72] LAREDO, WALTER R., US
[71] NOVARTIS AG, CH
[85] 2018-04-11
[86] 2016-11-15 (PCT/IB2016/056877)
[87] (WO2017/093835)
[30] US (62/261,925) 2015-12-02

[21] **3,001,657**
[13] A1

[51] **Int.Cl. G07B 13/04 (2006.01) G07C 5/00 (2006.01)**

[25] EN

[54] **ACCURATELY DETERMINING REAL TIME PARAMETERS DESCRIBING VEHICLE MOTION BASED ON MULTIPLE DATA SOURCES**

[54] **DETERMINATION PRECISE DE PARAMETRES EN TEMPS REEL DECRIVANT LE MOUVEMENT D'UN VEHICULE SUR LA BASE DE MULTIPLES SOURCES DE DONNEES**

[72] RAJANI, PURSHOTAM, US
[72] NUKALA, GAURAV R., US
[72] KANNAN, GOKULNATH COIMBATORE, US
[72] ESSY, BLAIR R., US
[71] FLYWHEEL SOFTWARE, INC., US
[85] 2018-04-10
[86] 2016-10-12 (PCT/US2016/056675)
[87] (WO2017/066345)
[30] US (62/241,044) 2015-10-13
[30] US (15/291,500) 2016-10-12
[30] US (15/291,455) 2016-10-12

[21] **3,001,658**
[13] A1

[51] **Int.Cl. C07D 489/06 (2006.01) A61K 31/485 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01) C07D 489/08 (2006.01)**

[25] EN

[54] **MORPHINAN DERIVATIVE AND MEDICAL USAGE THEREOF**

[54] **DERIVE MORPHINANE ET USAGE MEDICAL ASSOCIE**

[72] NAGASE, HIROSHI, JP
[72] YAMAMOTO, NAOSHI, JP
[72] IRUKAYAMA, YOKO, JP
[72] SAITOH, TSUYOSHI, JP
[72] YANAGISAWA, MASASHI, JP
[72] NAGUMO, YASUYUKI, JP
[71] UNIVERSITY OF TSUKUBA, JP
[85] 2018-04-11
[86] 2016-10-28 (PCT/JP2016/081995)
[87] (WO2017/073710)
[30] JP (2015-212553) 2015-10-29
[30] JP (2016-155477) 2016-08-08

[21] **3,001,659**
[13] A1

[51] **Int.Cl. B26B 21/40 (2006.01)**

[25] EN

[54] **SHAVING HEAD**

[54] **TETE DE RASAGE**

[72] MOUSTAKAS, PANAGIOTIS, GR
[72] BRELLIS, CHRISTOFOROS-ATHANASSIOS, GR
[71] BIC VIOLEX S.A., GR
[85] 2018-04-11
[86] 2016-12-16 (PCT/IB2016/057721)
[87] (WO2017/103879)
[30] US (62/268,648) 2015-12-17
[30] US (62/268,658) 2015-12-17

[21] **3,001,660**
[13] A1

[51] **Int.Cl. B26B 21/40 (2006.01) B26B 21/22 (2006.01)**

[25] EN

[54] **SHAVING HEAD**

[54] **TETE DE RASAGE**

[72] BRELLIS, CHRISTOFOROS-ATHANASSIOS, GR
[71] BIC VIOLEX S.A., GR
[85] 2018-04-11
[86] 2016-12-16 (PCT/IB2016/057723)
[87] (WO2017/103881)
[30] US (62/268,643) 2015-12-17

[21] **3,001,661**
[13] A1

[51] **Int.Cl. A61K 31/40 (2006.01) A61K 31/395 (2006.01) G01N 33/00 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **HIGH-DOSE STATINS FOR AGE-RELATED MACULAR DEGENERATION**

[54] **STATINES A HAUTE DOSE POUR LA DEGENERESCENCE MACULAIRE LIEE A L'AGE**

[72] VAVVAS, DEMETRIOS, US
[72] MILLER, JOAN W., US
[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US
[85] 2018-04-10
[86] 2016-10-14 (PCT/US2016/056987)
[87] (WO2017/066529)
[30] US (62/241,522) 2015-10-14

[21] **3,001,662**
[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/155 (2006.01) A61P 3/10 (2006.01)**

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[54] **COMPOSITION FOR TREATING DIABETES MELLITUS**

[54] **COMPOSITION DE TRAITEMENT DE DIABETE SUCRE**

[72] KATO, YASUMASA, JP
[71] KATO, YASUMASA, JP
[85] 2018-04-11
[86] 2016-10-28 (PCT/JP2016/082066)
[87] (WO2017/073729)
[30] JP (2015-214824) 2015-10-30

[21] **3,001,663**
[13] A1

[51] **Int.Cl. A43B 7/14 (2006.01) A43B 13/18 (2006.01) A43B 17/00 (2006.01)**

[25] EN

[54] **SOLE FOR HIGH-HEELED FOOTWEAR**

[54] **PREMIERE DE PROPRETE POUR CHAUSSURE A TALON HAUT**

[72] HEDSTROEM, PETER, SE
[71] STINAA & J FASHION AB, CH
[85] 2018-04-11
[86] 2016-09-13 (PCT/SE2016/050852)
[87] (WO2017/065669)
[30] SE (1551319-5) 2015-10-13

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[21] **3,001,664**
[13] A1

[51] **Int.Cl. B26B 21/40 (2006.01)**
[25] EN
[54] **SHAVING HEAD**
[54] **TETE DE RASAGE**
[72] BOZIKIS, IOANNIS, GR
[72] DRAKOPOULOS, STAVROS, GR
[71] BIC VIOLEX S.A., GR
[85] 2018-04-11
[86] 2016-12-16 (PCT/IB2016/057724)
[87] (WO2017/103882)
[30] US (62/268,638) 2015-12-17

[21] **3,001,665**
[13] A1

[51] **Int.Cl. H02K 9/19 (2006.01) H02K 7/116 (2006.01)**
[25] EN
[54] **DEVICE FOR THE THERMAL MANAGEMENT OF AN ELECTRIC POWER TRAIN**
[54] **DISPOSITIF DE GESTION THERMIQUE D'UN GROUPE MOTOPROPULSEUR ELECTRIQUE**
[72] YU, ROBERT, FR
[71] NISSAN MOTOR CO. LTD, JP
[85] 2018-04-11
[86] 2016-10-03 (PCT/FR2016/052521)
[87] (WO2017/064390)
[30] FR (1559797) 2015-10-15

[21] **3,001,666**
[13] A1

[51] **Int.Cl. C07D 413/04 (2006.01) A61K 31/4245 (2006.01) A61K 31/506 (2006.01) C07C 211/33 (2006.01) C07C 211/35 (2006.01) C07D 271/06 (2006.01) C07D 271/10 (2006.01)**
[25] EN
[54] **OXADIAZOLE AMINE DERIVATIVE COMPOUNDS AS HISTONE DEACETYLASE 6 INHIBITOR, AND THE PHARMACEUTICAL COMPOSITION COMPRISING THE SAME**
[54] **COMPOSES DERIVES D'OXADIAZOLE AMINE UTILISES EN TANT QU'INHIBITEUR DE L'HISTONE DESACETYLASE 6, ET COMPOSITION PHARMACEUTIQUE LES COMPRENANT**
[72] KIM, YUNTAE, KR
[72] LEE, CHANG SIK, KR
[72] OH, JUNG TAEK, KR
[72] SONG, HYESEUNG, KR
[72] CHOI, JIN, KR
[72] LEE, JAEYOUNG, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2018-04-11
[86] 2016-10-11 (PCT/KR2016/011355)
[87] (WO2017/065473)
[30] KR (10-2015-0142014) 2015-10-12

[21] **3,001,667**
[13] A1

[51] **Int.Cl. C07C 67/343 (2006.01) C07C 51/09 (2006.01) C07C 259/06 (2006.01)**
[25] EN
[54] **METHODS FOR TOTAL SYNTHESIS OF RESOLVIN E1**
[54] **PROCEDES DE SYNTHESE TOTALE DE RESOLVINE E1**
[72] JAGTAP, PRAKASH, US
[71] SALZMAN LOVELACE INVESTMENTS, LTD., IL
[85] 2018-04-11
[86] 2016-10-09 (PCT/IL2016/051095)
[87] (WO2017/064701)
[30] GB (1518043.3) 2015-10-12
[30] US (62/308,322) 2016-03-15

[21] **3,001,668**
[13] A1

[51] **Int.Cl. G06T 3/40 (2006.01) G06T 19/00 (2011.01) B64D 45/08 (2006.01) G02B 27/01 (2006.01) G06T 5/50 (2006.01) G08G 5/00 (2006.01)**
[25] FR
[54] **SYSTEM ADAPTED FOR PROVIDING AN OPERATOR WITH AUGMENTED VISIBILITY AND ASSOCIATED METHOD**
[54] **SYSTEME ADAPTE A FOURNIR A UN OPERATEUR UNE VISIBILITE AUGMENTEE ET PROCEDE ASSOCIE**
[72] PAYOT, ETIENNE, FR
[72] ARTAUD, JEROME, FR
[71] THALES, FR
[85] 2018-04-10
[86] 2016-10-21 (PCT/EP2016/075412)
[87] (WO2017/068141)
[30] FR (15 02237) 2015-10-22

[21] **3,001,669**
[13] A1

[51] **Int.Cl. F16L 55/134 (2006.01) B29C 44/18 (2006.01) B29C 47/00 (2006.01) B29C 55/24 (2006.01) F16K 7/10 (2006.01)**
[25] FR
[54] **SEALING DEVICE FOR CONTROLLING THE PRESSURE OR FLOW RATE IN A TUBE, AND METHOD FOR MANUFACTURING A TUBE**
[54] **DISPOSITIF D'OBTURATION POUR REGLER LA PRESSION OU LE DEBIT D'ECOULEMENT DANS UN TUBE, ET PROCEDE DE FABRICATION D'UN TUBE**
[72] DECAUDIN, BENOIT, FR
[71] DYKA SAS, FR
[85] 2018-04-11
[86] 2016-10-10 (PCT/FR2016/052613)
[87] (WO2017/068260)
[30] FR (15/59933) 2015-10-19

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[13] A1

[51] **Int.Cl. F16L 15/04 (2006.01) E21B 17/042 (2006.01)**

[25] EN

[54] **THREADED CONNECTION FOR STEEL PIPE**

[54] **RACCORD FILETE POUR DES TUYAUX EN ACIER**

[72] SUGINO, MASAACKI, JP

[72] DOUCHI, SADA0, JP

[72] YAMAMOTO, YASUHIRO, JP

[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[71] VALLOUREC OIL AND GAS FRANCE, FR

[85] 2018-04-11

[86] 2016-10-13 (PCT/JP2016/080321)

[87] (WO2017/069030)

[30] JP (2015-207145) 2015-10-21

[21] **3,001,671**
[13] A1

[51] **Int.Cl. H01M 4/74 (2006.01) H01M 4/75 (2006.01) H01M 12/06 (2006.01)**

[25] EN

[54] **A BUCKLING RESISTANT CURRENT COLLECTOR**

[54] **COLLECTEUR DE COURANT RESISTANT AU FLAMBAGE**

[72] MORTENSEN, ERIK, US

[71] SPECTRUM BRANDS, INC., US

[85] 2018-04-11

[86] 2015-10-14 (PCT/US2015/055609)

[87] (WO2016/061282)

[30] US (62/064,551) 2014-10-16

[21] **3,001,672**
[13] A1

[51] **Int.Cl. H04N 19/124 (2014.01) H04N 19/146 (2014.01) H04N 19/59 (2014.01)**

[25] EN

[54] **REAL-TIME VIDEO ENCODER RATE CONTROL USING DYNAMIC RESOLUTION SWITCHING**

[54] **COMMANDE DE DEBIT DE CODEUR DE VIDEO EN TEMPS REEL A L'AIDE D'UNE COMMUTATION DE RESOLUTION DYNAMIQUE**

[72] KUUSELA, AKI, US

[71] GOOGLE LLC, US

[85] 2018-04-10

[86] 2016-12-22 (PCT/US2016/068216)

[87] (WO2017/127213)

[30] US (15/000,097) 2016-01-19

[21] **3,001,673**
[13] A1

[51] **Int.Cl. A61K 36/00 (2006.01) A23L 33/105 (2016.01) B01D 11/02 (2006.01)**

[25] EN

[54] **NOVEL ORGANIC SOLUBILISATION AND/OR EXTRACTION SOLVENT, EXTRACTION METHOD USING SAID SOLVENT, AND EXTRACTS OBTAINED BY SAID METHOD**

[54] **NOUVEAU SOLVANT D'EXTRACTION ET/OU DE SOLUBILISATION ORGANIQUE, PROCEDE D'EXTRACTION METTANT EN OEUVRE LEDIT SOLVANT, ET EXTRAITS ISSUS DUDIT PROCEDE**

[72] ROMBAUT, NATACHA, FR

[72] FABIANO TIXIER, ANNE-SYLVIE, FR

[72] BIRTIC, SIMONA, FR

[72] BILY, ANTOINE CHARLES, FR

[72] ROLLER, MARC, FR

[72] CHEMAT, FARID, FR

[71] NATUREX (SOCIETE ANONYME), FR

[71] UNIVERSITE D'AVIGNON ET DES PAYS DE VAUCLUSE (ETABLISSEMENT PUBLIC), FR

[85] 2018-04-11

[86] 2016-10-13 (PCT/FR2016/052643)

[87] (WO2017/064424)

[30] FR (1559749) 2015-10-14

[21] **3,001,674**
[13] A1

[51] **Int.Cl. D21H 17/37 (2006.01) D21H 11/18 (2006.01) D21H 17/38 (2006.01) D21H 21/10 (2006.01)**

[25] EN

[54] **METHOD OF INCREASING DRAINAGE PERFORMANCE OF A PULP SLURRY DURING MANUFACTURE OF PAPER PRODUCTS, AND PRODUCTS THEREFROM**

[54] **PROCEDE D'AUGMENTATION DE PERFORMANCE DE DRAINAGE D'UNE SUSPENSION EPAISSE DE PATE A PAPIER AU COURS DE LA FABRICATION DE PRODUITS DE PAPIER, ET PRODUITS OBTENUS A PARTIR DE CELUI-CI**

[72] HARRINGTON, JOHN C., US

[72] LUSVARDI, KATE MARRITT, US

[72] ZHANG, FUSHAN, US

[71] SOLENIS TECHNOLOGIES, L.P., CH

[71] UPM-KYMMENE CORPORATION, FI

[85] 2018-04-11

[86] 2015-10-12 (PCT/US2015/055155)

[87] (WO2017/065740)

[30] US (14/880,873) 2015-10-12

[21] **3,001,675**
[13] A1

[51] **Int.Cl. C12P 13/12 (2006.01) A23K 20/142 (2016.01) A23K 50/10 (2016.01) C12N 9/10 (2006.01) C12N 15/70 (2006.01) C12N 15/77 (2006.01)**

[25] EN

[54] **BIO-BASED N-ACETYL-L-METHIONINE AND USE THEREOF**

[54] **N-ACETYL-L-METHIONINE D'ORIGINE BIOLOGIQUE ET SON UTILISATION**

[72] JEON, JIN WOO, KR

[72] MOON, JUN OK, KR

[72] PARK, JIN SEUNG, KR

[72] CHOI, SU JIN, KR

[72] HONG, KUK KI, KR

[72] KIM, JEONG HYUN, KR

[72] PARK, HYE MIN, KR

[72] HONG, SO YEON, KR

[71] CJ CHEILJEDANG CORPORATION, KR

[85] 2018-04-11

[86] 2016-10-14 (PCT/KR2016/011577)

[87] (WO2017/065567)

[30] KR (10-2015-0143428) 2015-10-14

[30] KR (10-2016-0092089) 2016-07-20

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[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 39/00 (2006.01) A61K 45/06 (2006.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **ANTI-CD43 ANTIBODY AND USE THEREOF FOR CANCER TREATMENT**

[54] **ANTICORPS ANTI-CD43 ET LEUR UTILISATION POUR LE TRAITEMENT DU CANCER**

[72] HONG, KWON PYO, KR
[72] YOON, SANGSOON, KR
[72] KOUKOULAS, IRENE, AU
[72] BATORI, VINCENT, DE
[72] CRISTIANO, BRIONY, US
[72] WILSON, DAVID S, JR, US
[72] KOPSIDAS, GEORGE, AU
[71] APROGEN KIC INC., KR
[85] 2018-04-11
[86] 2016-10-12 (PCT/KR2016/011428)
[87] (WO2017/065493)
[30] US (62/240,276) 2015-10-12
[30] AU (2016901555) 2016-04-28

[21] **3,001,677**
[13] A1

[51] **Int.Cl. H04R 25/00 (2006.01) H02J 50/00 (2016.01) H04R 1/08 (2006.01) H04R 1/10 (2006.01)**

[25] EN

[54] **EARPHONE SYSTEM**

[54] **SYSTEME A ECOUTEUR**

[72] KEELING, ADAM, CA
[71] KEELING TECHNOLOGIES INC., CA
[85] 2018-03-01
[86] 2016-08-23 (PCT/CA2016/050990)
[87] (WO2017/035636)
[30] US (62/212,812) 2015-09-01

[21] **3,001,678**
[13] A1

[51] **Int.Cl. B62D 57/02 (2006.01) A61G 5/06 (2006.01) B62D 57/032 (2006.01)**

[25] EN

[54] **CHASSIS WITH STEPPING WHEEL PROPULSION MEMBERS FOR TRAVELING OVER DIVERSE SUPPORTING SURFACES**

[54] **CHASSIS POUR LE DEPLACEMENT SUR DIFFERENTES SURFACES D'APPUI AVEC DES PROPULSEURS A ROUES OU PATINS**

[72] GERTNER, DMITRY ALEXANDROVICH, RU
[71] TETRABOT LLC, RU
[85] 2018-04-11
[86] 2016-10-10 (PCT/RU2016/050050)
[87] (WO2017/065649)
[30] RU (2015143484) 2015-10-12

[21] **3,001,679**
[13] A1

[51] **Int.Cl. A61K 8/04 (2006.01) A61K 9/113 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MAKING AND USING GEL MICROSPHERES**

[54] **SYSTEMES ET PROCEDES DE FABRICATION ET D'UTILISATION DE MICROSPHERES DE GEL**

[72] WEITZ, DAVID A., US
[72] ABBASPOURRAD, ALIREZA, US
[72] FAN, JING, US
[72] ZHANG, WEIXIA, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-04-11
[86] 2016-10-12 (PCT/US2016/056509)
[87] (WO2017/066231)
[30] US (62/241,079) 2015-10-13

[21] **3,001,680**
[13] A1

[51] **Int.Cl. E21B 37/06 (2006.01) C09K 8/52 (2006.01)**

[25] EN

[54] **HIGH TEMPERATURE HYDRATE INHIBITORS AND METHODS OF USE**

[54] **INHIBITEURS D'HYDRATES A HAUTE TEMPERATURE ET PROCEDES D'UTILISATION**

[72] LAN, QIANG, US
[72] MONTEIRO, DEEPAK, US
[72] CEGLIO, MARK PAUL, II, US
[72] ACOSTA, ERICK J., US
[72] KRISHNAMURTHY, PUSHKALA, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-11
[86] 2015-12-18 (PCT/US2015/066824)
[87] (WO2017/105507)

[21] **3,001,681**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/415 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR RAPID PLANT TRANSFORMATION**

[54] **PROCEDES ET COMPOSITIONS POUR LA TRANSFORMATION RAPIDE DE PLANTES**

[72] ANAND, AJITH, US
[72] ARLING, MAREN L., US
[72] DA SILVA CONCEICAO, ALEXANDRE, US
[72] GORDON-KAMM, WILLIAM JAMES, US
[72] HASTINGS, CRAIG, US
[72] HOERSTER, GEORGE J., US
[72] KLEIN, THEODORE M., US
[72] LA ROTA, CARLOS M., US
[72] LOWE, KEITH S., US
[72] TIWARI, SHIV BHADUR, US
[72] WANG, NING, US
[72] WU, XINLI EMILY, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2018-04-11
[86] 2016-08-26 (PCT/US2016/049144)
[87] (WO2017/074547)
[30] US (62/248,578) 2015-10-30

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[21] **3,001,682**
[13] A1

[51] **Int.Cl. G06K 9/80 (2006.01) G06F 21/32 (2013.01) A61B 3/10 (2006.01) A61B 3/11 (2006.01) A61B 3/14 (2006.01) G01J 1/60 (2006.01)**

[25] EN

[54] **EYE POSE IDENTIFICATION USING EYE FEATURES**

[54] **IDENTIFICATION DE LA POSITION DE L'ŒIL A L'AIDE DE CARACTERISTIQUES DE L'ŒIL**

[72] KAEHLER, ADRIAN, US

[72] KLUG, MICHAEL ANTHONY, US

[72] AMAYEH, GHOLAMREZA, US

[71] MAGIC LEAP, INC., US

[85] 2018-04-11

[86] 2016-10-12 (PCT/US2016/056602)

[87] (WO2017/066296)

[30] US (62/242,838) 2015-10-16

[21] **3,001,683**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/113 (2010.01) C12N 15/52 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR GENERATING CRISPR/CAS GUIDE RNAS**

[54] **PROCEDES ET COMPOSITIONS POUR GENERER DES ARN GUIDE CRISPR/CAS**

[72] LANE, ANDREW B., US

[72] HEALD, REBECCA, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2018-04-11

[86] 2016-06-02 (PCT/US2016/035534)

[87] (WO2016/196805)

[30] US (62/171,976) 2015-06-05

[30] US (62/221,836) 2015-09-22

[21] **3,001,684**
[13] A1

[51] **Int.Cl. H02H 3/44 (2006.01) H02H 7/30 (2006.01)**

[25] EN

[54] **SEMICONDUCTOR CIRCUIT INTERRUPTION DEVICES USING CURRENT FILTERING TO IMPROVE DEVICE COORDINATION**

[54] **DISPOSITIFS D'INTERRUPTION DE CIRCUIT A SEMI-CONDUCTEUR UTILISANT UN FILTRAGE DE COURANT POUR AMELIORER LA COORDINATION DES DISPOSITIFS**

[72] NOJIMA, GERALDO, US

[71] EATON INTELLIGENT POWER LIMITED, IE

[85] 2018-04-11

[86] 2016-10-12 (PCT/US2016/056512)

[87] (WO2017/066233)

[30] US (62/240,117) 2015-10-12

[21] **3,001,685**
[13] A1

[51] **Int.Cl. B29C 45/37 (2006.01) B29C 33/34 (2006.01) B29C 33/38 (2006.01) B29C 33/56 (2006.01) B29C 45/00 (2006.01) B29C 45/26 (2006.01) B29C 45/64 (2006.01) B64C 1/14 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MAKING A POLYMERIC AIRCRAFT WINDOW PANEL**

[54] **PROCEDE ET APPAREIL DE FABRICATION D'UN VITRAGE D'AERONEF POLYMERE**

[72] GOODWIN, GEORGE B., US

[72] MCCARTHY, DENNIS P., US

[72] SHEARER, JOHN D. M., US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2018-04-11

[86] 2016-10-12 (PCT/US2016/056521)

[87] (WO2017/066238)

[30] US (62/240,060) 2015-10-12

[21] **3,001,686**
[13] A1

[51] **Int.Cl. A47J 31/36 (2006.01)**

[25] EN

[54] **APPARATUS FOR MAKING BEVERAGES BY PASSING HOT WATER IN A CAPSULE CONTAINING A FOOD SUBSTANCE**

[54] **APPAREIL POUR LA FABRICATION DE BOISSONS PAR PASSAGE D'EAU CHAUDE DANS UNE CAPSULE CONTENANT UNE SUBSTANCE ALIMENTAIRE**

[72] CHANINE, VALERIY, IT

[72] ALVAREZ VIRTOLI, ITALO ANDREA, IT

[71] CAFFITALY SYSTEM S.P.A., IT

[85] 2018-04-10

[86] 2016-10-07 (PCT/IB2016/056011)

[87] (WO2017/068448)

[30] IT (102015000064543) 2015-10-22

[21] **3,001,687**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SERVING PIXEL MAPPED CONTENT TO MERCHANDISING COMMUNICATION SYSTEMS**

[54] **SYSTEMES ET PROCEDES DE DESSERTS DE CONTENUS APPARIES A DES PIXELS A DES SYSTEMES DE COMMUNICATION DE COMMERCIALISATION**

[72] DAVIDSON, GORDON, US

[72] HOWARD, KEVIN BRENT, US

[71] DAVIDSON, GORDON, US

[71] CLOVERLEAF MEDIA LLC, US

[71] HOWARD, KEVIN BRENT, US

[85] 2018-04-11

[86] 2016-10-11 (PCT/US2016/056455)

[87] (WO2017/066199)

[30] US (62/240,456) 2015-10-12

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[21] **3,001,688**
[13] A1

[51] **Int.Cl. G07F 17/00 (2006.01) B67D 7/02 (2010.01) B67D 7/14 (2010.01) B67D 7/42 (2010.01) B67D 7/78 (2010.01) A23L 2/56 (2006.01) G05B 15/02 (2006.01) G05D 7/06 (2006.01)**

[25] EN

[54] **AUTOMATIC FLAVORING AND WATER DISPENSING SYSTEMS FOR MEDICATIONS**

[54] **SYSTEMES AUTOMATIQUES DE DISTRIBUTION D'EAU ET D'AROMATISANT POUR MEDICAMENTS**

[72] SEAY, MICHAEL, US
[72] AMOS, STUART R., US
[72] BARNES, KEVIN, US
[72] BARNES, JOSHUA, US
[72] KUBIT, KEVIN, US
[72] HUMBERT, BRAD, US
[72] DELECKI, ADAM, US
[71] FILLMASTER SYSTEMS, LLC, US
[85] 2018-04-11
[86] 2016-09-16 (PCT/US2016/052253)
[87] (WO2017/049160)
[30] US (62/219,911) 2015-09-17

[21] **3,001,689**
[13] A1

[51] **Int.Cl. C07D 489/12 (2006.01) C07D 489/02 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF (S)-2-((4R,4AS, 6R,7AR,12BS)-7,9-DIMETHOXY-1,2,3,4,5,6,7,7A-OCTAHYDRO-4A,7-ETHANO-4, 12-METHANOBENZOFURO[3,2-E] ISOQUINOLIN-6-YL)-3,3-DIMETHYLBUTAN-2-OL**

[54] **PROCEDE DE PREPARATION DE (S)-2-((4R,4AS, 6R,7AR,12BS)-7,9-DIMETHOXY-1,2,3,4,5,6,7,7A-OCTAHYDRO-4A,7-ETHANO-4, 12-METHANOBENZOFURO[3,2-E] ISOQUINOLEIN-6-YL)-3,3-DIMETHYLBUTAN-2-OL**

[72] ZHANG, WEN-CHUN, US
[71] NORAMCO, INC., US
[85] 2018-04-11
[86] 2016-10-12 (PCT/US2016/056540)
[87] (WO2017/066249)
[30] US (62/240,329) 2015-10-12

[21] **3,001,690**
[13] A1

[51] **Int.Cl. G09G 5/00 (2006.01)**

[25] EN

[54] **LED RETAIL DIGITAL SIGNAGE**

[54] **AFFICHAGE DYNAMIQUE POUR DES ENVIRONNEMENTS DE VENTE AU DETAIL A DEL**

[72] DAVIDSON, GORDON, US
[72] HOWARD, KEVIN BRENT, US
[71] DAVIDSON, GORDON, US
[71] CLOVERLEAF MEDIA LLC, US
[71] HOWARD, KEVIN BRENT, US
[85] 2018-04-11
[86] 2016-10-11 (PCT/US2016/056461)
[87] (WO2017/066203)
[30] US (62/240,455) 2015-10-12

[21] **3,001,691**
[13] A1

[51] **Int.Cl. B32B 7/00 (2006.01) B32B 3/14 (2006.01) B32B 3/18 (2006.01) B32B 7/12 (2006.01) B32B 21/04 (2006.01) B32B 21/13 (2006.01) B32B 21/14 (2006.01)**

[25] EN

[54] **LAMINATED WOOD PRODUCT**

[54] **PRODUIT EN BOIS STRATIFIE**

[72] FRERES, TYLER, US
[71] FRERES LUMBER CO., INC., US
[85] 2018-04-11
[86] 2016-09-22 (PCT/US2016/053064)
[87] (WO2017/069905)
[30] US (62/244,650) 2015-10-21
[30] US (62/288,325) 2016-01-28
[30] US (15/271,136) 2016-09-20

[21] **3,001,692**
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 40/00 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR TRANSACTIONAL DOCUMENT PROCESSING**

[54] **SYSTEMES ET PROCEDES PERMETTANT UN TRAITEMENT DE DOCUMENTS TRANSACTIONNELS**

[72] GREEN, BRIAN, CA
[72] WILLIAMS, CHARLES R., US
[71] FIRST DATA CORPORATION, US
[85] 2018-04-11
[86] 2016-10-12 (PCT/US2016/056590)
[87] (WO2017/066287)
[30] US (62/240,211) 2015-10-12

[21] **3,001,693**
[13] A1

[51] **Int.Cl. A01B 79/00 (2006.01) G06K 9/78 (2006.01)**

[25] EN

[54] **FORESTRY INFORMATION MANAGEMENT SYSTEMS AND METHODS STREAMLINED BY AUTOMATIC BIOMETRIC DATA PRIORITIZATION**

[54] **SYSTEMES ET PROCEDES DE GESTION D'INFORMATIONS FORESTIERES RATIONALISES PAR HIERARCHISATION DE DONNEES BIOMETRIQUES AUTOMATIQUES**

[72] PROUTY, JEFF, US
[72] ULLYOTT, LOGAN, US
[72] CANARY, GRANT, US
[71] DRONE SEED CO., US
[85] 2018-04-11
[86] 2016-10-12 (PCT/US2016/056685)
[87] (WO2017/066353)
[30] US (62/240,167) 2015-10-12

[21] **3,001,694**
[13] A1

[51] **Int.Cl. B64C 19/02 (2006.01) B64C 39/02 (2006.01) B64D 17/62 (2006.01) B64D 17/80 (2006.01) F02B 75/34 (2006.01) F02D 35/00 (2006.01)**

[25] EN

[54] **PARACHUTE DEPLOYMENT SYSTEM FOR AN UNMANNED AERIAL VEHICLE**

[54] **SYSTEME DE DEPLOIEMENT DE PARACHUTE DESTINE A UN VEHICULE AERIEN SANS PILOTE**

[72] FATHALLAH, MICHEL, US
[72] BADDAM, KRANTHI, US
[72] BASS, TOM, US
[72] SWEENEY, MATTHEW, US
[72] FOGGIA, JOHN R., US
[71] FLIRTEY HOLDINGS, INC., US
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057155)
[87] (WO2017/066649)
[30] US (62/241,572) 2015-10-14
[30] US (62/344,514) 2016-06-02

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[21] **3,001,695**
[13] A1

[51] **Int.Cl. A47J 27/00 (2006.01) A47J 27/04 (2006.01)**

[25] EN

[54] **MINI STEAM GENERATOR FOR COOKING FOOD, MODULAR COOKING APPLIANCE, AND MODULAR FOOD PREPARATION STATION**

[54] **MINI-GENERATEUR DE VAPEUR POUR LA CUISSON D'ALIMENTS, APPAREIL DE CUISSON MODULAIRE ET POSTE DE PREPARATION D'ALIMENTS MODULAIRE**

[72] BUCHLER, JAMES R., US
[72] CLARK, JOSEPH R., US
[71] A. J. ANTUNES & CO., US
[85] 2018-04-11
[86] 2016-09-30 (PCT/US2016/054905)
[87] (WO2017/062287)
[30] US (62/237,114) 2015-10-05
[30] US (15/248,313) 2016-08-26

[21] **3,001,696**
[13] A1

[51] **Int.Cl. F03B 17/06 (2006.01) F03B 3/12 (2006.01) F03B 3/16 (2006.01) F03B 11/06 (2006.01)**

[25] EN

[54] **HYDROELECTRIC ENERGY SYSTEMS, AND RELATED COMPONENTS AND METHODS**

[54] **SYSTEMES A ENERGIE HYDROELECTRIQUE, ET COMPOSANTS ET PROCEDES ASSOCIES**

[72] POWER, DANIEL E., III, US
[71] OCEANA ENERGY COMPANY, US
[85] 2018-04-11
[86] 2016-10-19 (PCT/US2016/057659)
[87] (WO2017/070180)
[30] US (62/244,846) 2015-10-22

[21] **3,001,697**
[13] A1

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/32 (2006.01) A61M 25/00 (2006.01) A61M 39/06 (2006.01)**

[25] EN

[54] **COMPLIANT CATHETER ADAPTER HAVING SELF-SPLITTING NEEDLE**

[54] **ADAPTATEUR DE CATHETER SOUPLE AVEC AIGUILLE AUTO-ENTAILLANTE**

[72] HYER, DANIEL KIRK, US
[72] MAUL, CHRISTOPHER, US
[72] DAVIS, ERIC, US
[72] WANG, BIN, US
[72] ELLIS, CARL, US
[72] CHRISTENSEN, COREY, US
[72] BURKHOLZ, JONATHAN KARL, US
[72] PETERSON, BART D., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2018-04-11
[86] 2016-10-06 (PCT/US2016/055844)
[87] (WO2017/074677)
[30] US (62/247,596) 2015-10-28
[30] US (62/247,599) 2015-10-28
[30] US (62/247,617) 2015-10-28
[30] US (62/247,607) 2015-10-28
[30] US (62/247,621) 2015-10-28
[30] US (62/247,624) 2015-10-28
[30] US (62/247,626) 2015-10-28
[30] US (62/296,383) 2016-02-17
[30] US (62/296,385) 2016-02-17
[30] US (15/286,223) 2016-10-05

[21] **3,001,699**
[13] A1

[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/69 (2017.01) A61K 9/127 (2006.01) A61K 31/407 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **LIPOSOME COMPOSITION CO-ENCAPSULATING DOXORUBICIN AND A PRODRUG OF MITOMYCIN C**

[54] **COMPOSITION LIPOSOMALE CO-ENCAPSULANT LA DOXORUBICINE ET UN PROMEDICAMENT DE LA MITOMYCINE C**

[72] GABIZON, ALBERTO, IL
[72] OHANA, PATRICIA, IL
[72] SHMEEDA, HILARY, IL
[71] LIPOMEDIX PHARMACEUTICALS LTD., IL
[71] GABIZON, ALBERTO, IL
[71] OHANA, PATRICIA, IL
[71] SHAARE ZEDEK SCIENTIFIC LTD., IL
[71] SHMEEDA, HILARY, IL
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057176)
[87] (WO2017/066667)
[30] US (62/242,097) 2015-10-15

[21] **3,001,700**
[13] A1

[51] **Int.Cl. G10D 13/02 (2006.01) G10G 5/00 (2006.01) G10G 7/00 (2006.01)**

[25] EN

[54] **OUTDOOR MUSICAL DRUM STRUCTURES**

[54] **STRUCTURES DE TAMBOURS POUR L'EXTERIEUR**

[72] KELLER, THOMAS L., US
[72] JONES, GARRY, IE
[71] LANDSCAPE STRUCTURES INC., US
[85] 2018-04-11
[86] 2016-10-13 (PCT/US2016/056735)
[87] (WO2017/066379)
[30] US (62/241,978) 2015-10-15

Demandes PCT entrant en phase nationale

[21] **3,001,701**
[13] A1

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 5/32 (2006.01) A61M 25/00 (2006.01) A61M 39/06 (2006.01)**

[25] EN

[54] **INTEGRATED CATHETER WITH INDEPENDENT FLUID PATHS**

[54] **CATHETER INTEGRE AVEC TRAJETS DE FLUIDE INDEPENDANTS**

[72] BURKHOLZ, JONATHAN KARL, US
[72] WANG, BIN, US
[72] PETERSON, BART D., US
[72] SONDEREGGER, RALPH L., US
[71] BECTON, DICKINSON AND COMPANY, US

[85] 2018-04-11
[86] 2016-10-06 (PCT/US2016/055861)
[87] (WO2017/074684)

[30] US (62/247,596) 2015-10-28
[30] US (62/247,599) 2015-10-28
[30] US (62/247,617) 2015-10-28
[30] US (62/247,607) 2015-10-28
[30] US (62/247,621) 2015-10-28
[30] US (62/247,624) 2015-10-28
[30] US (62/247,626) 2015-10-28
[30] US (62/296,383) 2016-02-17
[30] US (62/296,385) 2016-02-17
[30] US (15/286,162) 2016-10-05

[21] **3,001,702**
[13] A1

[51] **Int.Cl. C12N 15/74 (2006.01) A61K 39/00 (2006.01) A61K 39/02 (2006.01) A61K 39/12 (2006.01) A61K 39/39 (2006.01) C07K 14/005 (2006.01) C07K 14/195 (2006.01)**

[25] EN

[54] **RECOMBINANT LISTERIA VACCINE STRAINS AND METHODS OF USING THE SAME IN CANCER IMMUNOTHERAPY**

[54] **SOUCHES RECOMBINEES VACCINALES DE LISTERIA ET LEURS METHODES D'UTILISATION EN IMMUNOTHERAPIE ANTICANCEREUSE**

[72] PETIT, ROBERT, US
[72] PERRY, KYLE, US
[71] ADVAXIS, INC., US

[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057220)
[87] (WO2017/066706)

[30] US (62/241,712) 2015-10-14

[21] **3,001,703**
[13] A1

[51] **Int.Cl. A61K 31/13 (2006.01) A61K 31/135 (2006.01) A61K 31/137 (2006.01) C07C 211/03 (2006.01) C07C 211/26 (2006.01) C07C 211/27 (2006.01)**

[25] EN

[54] **MODULATORS OF SESTRIN-GATOR2 INTERACTION AND USES THEREOF**

[54] **MODULATEURS D'INTERACTION SESTRINE-GATOR2 ET LEURS UTILISATIONS**

[72] FETALVERO, KRISTINA MICHELLE, US
[72] NARAYAN, SRIDHAR, US
[72] O'NEILL, DAVID JOHN, US
[72] SAIHAH, EDDINE, US
[72] SENGUPTA, SHOMIT, US
[71] NAVITOR PHARMACEUTICALS, INC., US

[85] 2018-04-11
[86] 2016-10-21 (PCT/US2016/058188)
[87] (WO2017/070518)

[30] US (62/245,553) 2015-10-23
[30] US (62/336,219) 2016-05-13

[21] **3,001,704**
[13] A1

[51] **Int.Cl. D03D 15/12 (2006.01) D02G 3/44 (2006.01) D03D 1/00 (2006.01)**

[25] EN

[54] **LIGHTWEIGHT, PRINTABLE FLAME RESISTANT FABRICS SUITABLE FOR PROTECTIVE CLOTHING WORN IN HOT AND/OR HUMID ENVIRONMENTS**

[54] **TISSUS ININFLAMMABLES, IMPRIMABLES, LEGERS APPROPRIES POUR UN VETEMENT DE PROTECTION PORTE DANS DES ENVIRONNEMENTS CHAUDS ET/OU HUMIDES**

[72] STANHOPE, MICHAEL T., US
[72] THORNE, TIMOTHY JAMES, US
[72] DUNN, CHARLES S., US
[71] SOUTHERN MILLS, INC., US

[85] 2018-04-11
[86] 2016-10-21 (PCT/US2016/058202)
[87] (WO2017/070529)

[30] US (62/244,337) 2015-10-21

[21] **3,001,705**
[13] A1

[51] **Int.Cl. A61M 5/165 (2006.01) A61B 17/00 (2006.01) A61B 18/00 (2006.01) A61M 1/00 (2006.01) A61M 5/36 (2006.01) B01D 19/00 (2006.01) B01D 29/00 (2006.01) B01D 46/00 (2006.01)**

[25] EN

[54] **FLUID FILTRATION DEVICE AND SYSTEM**

[54] **DISPOSITIF ET SYSTEME DE FILTRATION DE FLUIDE**

[72] BONANO, SAMANTHA, US
[72] PEPE, GREGORY, US
[72] SHVETSOV, KYRYLO, US
[71] BUFFALO FILTER LLC, US

[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057238)
[87] (WO2017/066720)

[30] US (14/884,544) 2015-10-15

[21] **3,001,706**
[13] A1

[51] **Int.Cl. A47J 37/04 (2006.01) A21B 1/42 (2006.01) A21B 1/44 (2006.01) A21B 1/46 (2006.01) A21B 1/48 (2006.01) A47J 37/06 (2006.01) A47J 37/08 (2006.01)**

[25] EN

[54] **CONVEYOR-TYPE GRILLING APPLIANCE FOR COOKING OR RE-THERMALIZING FOOD**

[54] **APPAREIL A GRILLER DE TYPE TRANSPORTEUR POUR CUIRE OU RECHAUFFER UN ALIMENT**

[72] BUCHLER, JAMES R., US
[72] VEGA, FRANCISCO, US
[72] VEGA, IGNACIO, US
[72] PANASIK, CHERYL L., US
[72] CUCCHI, ROBERT LEWIS, US
[72] PATEL, BHUPENDRA R., US
[72] PATEL, DIPAN, US
[72] PATEL, JIGNESH, US
[71] A. J. ANTUNES & CO., US

[85] 2018-04-11
[86] 2016-10-07 (PCT/US2016/056166)
[87] (WO2017/066104)

[30] US (62/240,553) 2015-10-13
[30] US (15/267,172) 2016-09-16

PCT Applications Entering the National Phase

[21] **3,001,707**
[13] A1

[51] **Int.Cl. G10D 13/00 (2006.01)**
[25] EN
[54] **MUSICAL INSTRUMENT STRUCTURES FOR PERMANENT INSTALLATION IN AN OUTDOOR ENVIRONMENT**

[54] **STRUCTURES D'INSTRUMENT DE MUSIQUE POUR UNE INSTALLATION PERMANENTE DANS UN ENVIRONNEMENT EXTERIEUR**

[72] KELLER, THOMAS, US
[71] LANDSCAPE STRUCTURES INC., US
[85] 2018-04-11
[86] 2016-10-13 (PCT/US2016/056741)
[87] (WO2017/066384)
[30] US (62/241,978) 2015-10-15

[21] **3,001,708**
[13] A1

[51] **Int.Cl. A42B 3/00 (2006.01)**
[25] EN
[54] **HELMET HAVING A CHIN BAR COLLAR**

[54] **CASQUE AYANT UN COLLIER DE MENTONNIERE**

[72] PIETRZAK, CHRISTOPHER T., US
[72] ALLEN, SCOTT R., US
[72] PENNY, JAMES R., US
[72] SZELLA, ALEXANDER J., US
[72] VALENCIA, JULIO, US
[71] BELL SPORTS, INC., US
[85] 2018-04-11
[86] 2016-10-24 (PCT/US2016/058496)
[87] (WO2017/070685)
[30] US (62/245,775) 2015-10-23
[30] US (15/331,053) 2016-10-21

[21] **3,001,709**
[13] A1

[51] **Int.Cl. A61K 31/197 (2006.01) A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 31/19 (2006.01) A61K 31/192 (2006.01) A61K 31/195 (2006.01)**

[25] EN
[54] **INTRAVENOUS BACLOFEN AND METHODS OF TREATMENT**

[54] **INTRAVEINEUSE DE BACLOFENE ET METHODES DE TRAITEMENT**

[72] GOMEZ, ADOLFO, US
[72] SCHROGIE, JOHN, US
[72] ALHADEFF, DAN SIMON, US
[72] DIAZ, GILBERTO, US
[71] ALLAYSIS, LLC, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2018-04-11
[86] 2016-10-21 (PCT/US2016/058311)
[87] (WO2017/070614)
[30] US (62/244,537) 2015-10-21

[21] **3,001,710**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61K 39/39 (2006.01) C12Q 1/70 (2006.01) G01N 33/574 (2006.01)**

[25] EN
[54] **PROGNOSIS AND TREATMENT OF SQUAMOUS CELL CARCINOMAS**

[54] **PRONOSTIC ET TRAITEMENT DE CARCINOMES DE CELLULES SQUAMEUSES**

[72] PYEON, DOHUN, US
[72] LEE, JOHN, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[71] SANFORD HEALTH, US
[85] 2018-04-11
[86] 2016-10-24 (PCT/US2016/058550)
[87] (WO2017/070709)
[30] US (62/245,769) 2015-10-23

[21] **3,001,711**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61P 31/22 (2006.01) C12N 15/09 (2006.01) C12N 15/63 (2006.01)**

[25] EN
[54] **CRISPR/CAS-RELATED METHODS AND COMPOSITIONS FOR TREATING HERPES SIMPLEX VIRUS**

[54] **METHODES ET COMPOSITIONS LIEES A CRISPR/CAS POUR LE TRAITEMENT DU VIRUS DE L'HERPES SIMPLEX**

[72] FRIEDLAND, ARI E., US
[72] ODONNELL, PENROSE, US
[72] BUMCROT, DAVID A., US
[71] EDITAS MEDICINE, INC., US
[85] 2018-04-11
[86] 2016-10-28 (PCT/US2016/059502)
[87] (WO2017/075475)
[30] US (62/249,071) 2015-10-30
[30] US (62/249,159) 2015-10-30

[21] **3,001,712**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **SSTR-TARGETED CONJUGATES AND PARTICLES AND FORMULATIONS THEREOF**

[54] **CONJUGUES CIBLES SSTR, ET SES PARTICULES ET FORMULATIONS**

[72] WOOSTER, RICHARD, US
[72] WHALEN, KERRY, US
[72] BAZINET, PATRICK ROSAIRE, US
[72] BILODEAU, MARK T., US
[72] KADIYALA, SUDHAKAR, US
[72] PERINO, SAMANTHA, US
[72] SWERYDA-KRAWIEC, BEATA, US
[72] SHINDE, RAJESH R., US
[71] TARVEDA THERAPEUTICS, INC., US
[85] 2018-04-11
[86] 2016-10-28 (PCT/US2016/059529)
[87] (WO2017/075495)
[30] US (62/247,336) 2015-10-28
[30] US (62/304,856) 2016-03-07

Demandes PCT entrant en phase nationale

[21] **3,001,713**
[13] A1

[51] **Int.Cl. B25J 15/06 (2006.01) B25J 15/00 (2006.01) B25J 15/04 (2006.01)**
[25] EN
[54] **SUCTION FRAME**
[54] **CADRE A VENTOUSES**
[72] ALBER, GERHARD, DE
[71] WISCO LASERTECHNIK GMBH, DE
[85] 2018-04-11
[86] 2016-09-28 (PCT/EP2016/073072)
[87] (WO2017/063881)
[30] DE (10 2015 117 315.8) 2015-10-12

[21] **3,001,714**
[13] A1

[51] **Int.Cl. G06F 21/00 (2013.01)**
[25] EN
[54] **WIRELESS FIRMWARE UPDATES**
[54] **MISES A JOUR DE MICROLOGICIEL SANS FIL**
[72] CONRAD, NATHAN, US
[71] MASTER LOCK COMPANY LLC, US
[85] 2018-04-11
[86] 2016-10-13 (PCT/US2016/056781)
[87] (WO2017/066409)
[30] US (14/883,524) 2015-10-14

[21] **3,001,715**
[13] A1

[51] **Int.Cl. A47J 37/04 (2006.01) A21B 1/42 (2006.01) A21B 1/44 (2006.01) A21B 1/46 (2006.01) A21B 1/48 (2006.01) A47J 37/06 (2006.01) A47J 37/08 (2006.01)**
[25] EN
[54] **CONVEYOR-TYPE GRILLING APPLIANCE FOR COOKING OR RE-THERMALIZING FOOD WITH MULTIPLE INDEPENDENTLY CONTROLLED SETS OF CONVEYORS DEFINING MULTIPLE INDEPENDENTLY CONTROLLED CONVEYOR COOKING LANES**
[54] **GRIL DU TYPE A TRANSPORTEURS PERMETTANT DE CUIRE OU DE RECHAUFFER DES ALIMENTS COMPRENANT DE MULTIPLES ENSEMBLES DE TRANSPORTEURS COMMANDES INDEPENDAMMENT DEFINISSANT DE MULTIPLES VOIES DE CUISSON DE TRANSPORTEUR COMMANDEES INDEPENDAMMENT**
[72] BUCHLER, JAMES R., US
[72] CUCCHI, ROBERT LEWIS, US
[72] PANASIK, CHERYL L., US
[72] PATEL, BHUPENDRA R., US
[72] PATEL, DIPAN, US
[72] PATEL, JIGNESH, US
[72] VEGA, FRANCISCO, US
[72] VEGA, IGNACIO, US
[71] A. J. ANTUNES & CO., US
[85] 2018-04-11
[86] 2016-10-07 (PCT/US2016/056168)
[87] (WO2017/066105)
[30] US (62/240,553) 2015-10-13
[30] US (15/267,180) 2016-09-16

[21] **3,001,716**
[13] A1

[51] **Int.Cl. F24H 1/20 (2006.01) F24H 9/00 (2006.01)**
[25] EN
[54] **HIGH-EFFICIENCY CONDENSING WATER HEATER**
[54] **APPAREIL DE CHAUFFAGE D'EAU DE CONDENSATION A HAUTE EFFICACITE**
[72] BERNREUTER, WADE, US
[72] HILL, BRUCE, US
[72] POLHEMUS, MATT, US
[71] BRADFORD WHITE CORPORATION, US
[85] 2018-04-11
[86] 2016-10-10 (PCT/US2016/056214)
[87] (WO2017/066107)
[30] US (62/240,027) 2015-10-12

[21] **3,001,717**
[13] A1

[51] **Int.Cl. C09K 8/10 (2006.01) C08B 15/08 (2006.01) C08B 15/10 (2006.01) C08F 20/06 (2006.01) C08F 220/06 (2006.01) C08F 251/02 (2006.01)**
[25] EN
[54] **NANOCRYSTALLINE CELLULOSE AND POLYMER-GRAFTED NANOCRYSTALLINE CELLULOSE AS RHEOLOGY MODIFYING AGENTS FOR MAGNESIUM OXIDE AND LIME SLURRIES**
[54] **CELLULOSE NANOCRYSTALLINE ET CELLULOSE NANOCRYSTALLINE GREFFEE AVEC UN POLYMERE COMME AGENTS DE MODIFICATION DE LA RHEOLOGIE POUR SUSPENSIONS D'OXYDE DE MAGNESIUM ET DE CHAUX**
[72] MOGHADAM, SHAYAN, US
[72] KARNATI, RANGARANI, US
[72] BODE, HEINRICH, US
[71] ECOLAB USA INC., US
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057001)
[87] (WO2017/066540)
[30] US (62/242,037) 2015-10-15

PCT Applications Entering the National Phase

[21] **3,001,718**
[13] A1

[51] **Int.Cl. C08J 7/12 (2006.01) B01L 3/00 (2006.01) C08J 7/18 (2006.01)**

[25] EN

[54] **POLYMERIC SUBSTRATE WITH A SURFACE HAVING REDUCED BIOMOLECULE ADHESION, AND THERMOPLASTIC ARTICLES OF SUCH SUBSTRATE**

[54] **SUBSTRAT POLYMERE AYANT UNE SURFACE PRESENTANT UNE ADHESION DE BIOMOLECULE, ET ARTICLES THERMOPLASTIQUES CONSTITUES DE CE SUBSTRAT**

[72] TAHA, AHMAD, US
[72] FELTS, JOHN T., US
[71] SIO2 MEDICAL PRODUCTS, INC., US
[85] 2018-04-11
[86] 2016-06-15 (PCT/US2016/037674)
[87] (WO2017/087032)
[30] US (62/255,555) 2015-11-16
[30] US (62/257,269) 2015-11-19
[30] US (62/257,266) 2015-11-19
[30] US (62/320,246) 2016-04-08

[21] **3,001,719**
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**

[25] EN

[54] **AN OPHTHALMIC PROGRESSIVE ADDITION LENS FOR A FARSIGHTED AND PRESBYOPIC WEARER; METHOD FOR PROVIDING SUCH A LENS**

[54] **VERRE OPHTALMIQUE A FOYER PROGRESSIF POUR PORTEUR HYPERMETROPE ET PRESBYTE, ET PROCEDE DE FABRICATION D'UN TEL VERRE**

[72] HESLOUIS, MELANIE, FR
[72] ROUSSEAU, BENJAMIN, FR
[72] FRICKER, SEBASTIEN, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2018-04-11
[86] 2016-10-11 (PCT/EP2016/074296)
[87] (WO2017/064037)
[30] EP (15306647.7) 2015-10-15
[30] EP (15306891.1) 2015-11-27

[21] **3,001,720**
[13] A1

[51] **Int.Cl. H01M 10/613 (2014.01) H01M 10/625 (2014.01) H01M 10/653 (2014.01) H01M 10/6556 (2014.01)**

[25] EN

[54] **PHOSPHAZENE MODIFIED POLYCARBONATE MOLDED BATTERY COOLING DEVICE**

[54] **DISPOSITIF DE REFROIDISSEMENT DE BATTERIE MOULE DE POLYCARBONATE MODIFIE PAR PHOSPHAZENE**

[72] OSIO, IGNACIO, US
[72] DAVIS, TERRY G., US
[71] COVESTRO LLC, US
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057080)
[87] (WO2017/066596)
[30] US (PCT/US2015/055516) 2015-10-14

[21] **3,001,721**
[13] A1

[51] **Int.Cl. B65D 83/62 (2006.01) A61K 9/12 (2006.01) A61L 31/00 (2006.01) B65D 83/14 (2006.01) B65D 83/44 (2006.01) C11D 3/20 (2006.01) C11D 3/37 (2006.01)**

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[54] **NON-ASPIRATING TRANSPORT GEL DISPENSER**

[54] **DISTRIBUTEUR DE GEL A TRANSPORT NON ASPIRANT**

[72] KAISER, NANCY-HOPE E., US
[72] ROCHETTE, DANIEL, CA
[72] BAAN, BRADLEY A., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2018-04-11
[86] 2016-08-26 (PCT/US2016/048984)
[87] (WO2017/078834)
[30] US (14/929,697) 2015-11-02

[21] **3,001,722**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 9/19 (2006.01) A61K 9/51 (2006.01) A61K 31/57 (2006.01) A61K 47/24 (2006.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **INJECTABLE NEUROSTEROID FORMULATIONS CONTAINING NANOPARTICLES**

[54] **FORMULATIONS INJECTABLES DE NEUROSTEROIDE CONTENANT DES NANOPARTICULES**

[72] ZHANG, MINGBAO, US
[72] GLOWAKY, RAYMOND C., US
[72] CZEKAI, DAVID, US
[71] MARINUS PHARMACEUTICALS, INC., US
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057120)
[87] (WO2017/066626)
[30] US (62/242,601) 2015-10-16

[21] **3,001,723**
[13] A1

[51] **Int.Cl. A61K 31/7125 (2006.01) C12N 15/117 (2010.01) A61K 47/61 (2017.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **COMPOUNDS AND COMPOSITIONS INCLUDING PHOSPHOROTHIOATED OLIGODEOXYNUCLEOTIDE, AND METHODS OF USE THEREOF**

[54] **COMPOSES ET COMPOSITIONS COMPRENANT DES OLIGODESOXYNUCLEOTIDES PHOSPHOROTHIOES, ET PROCEDES D'UTILISATION ASSOCIES**

[72] KORTYLEWSKI, MARCIN TOMASZ, US
[72] SWIDERSKI, PIOTR MAREK, US
[72] MARCUCCI, GUIDO, US
[72] ZHANG, BIN, US
[72] KUO, YA-HUEI, US
[71] CITY OF HOPE, US
[85] 2018-04-11
[86] 2016-10-14 (PCT/US2016/057143)
[87] (WO2017/066639)
[30] US (62/242,189) 2015-10-15

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[21] **3,001,724**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 49/18 (2006.01) A61K 51/12 (2006.01) C07K 17/00 (2006.01) C07K 17/14 (2006.01) C12N 15/13 (2006.01) G01N 33/53 (2006.01) G01N 33/567 (2006.01)**

[25] EN
[54] **ANTI-TAU ANTIBODY AND USES THEREOF**
[54] **ANTICORPS ANTI-TAU ET SES UTILISATIONS**
[72] ARBABI-GHAHROUDI, MEHDI, CA
[72] SUTHERLAND, GARNETTE R., CA
[72] LAMA, SANJU, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[71] SUTHERLAND, GARNETTE R., CA
[71] LAMA, SANJU, CA
[85] 2017-04-10
[86] 2015-10-06 (PCT/IB2015/057645)
[87] (WO2016/055941)
[30] US (62/062,417) 2014-10-10
[30] US (62/173,452) 2015-06-10

[21] **3,001,725**
[13] A1

[51] **Int.Cl. A61K 38/21 (2006.01) A61K 38/16 (2006.01) A61K 39/145 (2006.01) A61P 31/16 (2006.01) C12Q 1/70 (2006.01)**

[25] EN
[54] **MODIFIED H7 HEMAGGLUTININ GLYCOPROTEIN OF THE INFLUENZA A/SHANGHAI/2/2013 H7 SEQUENCE**
[54] **GLYCOPROTEINE HEMAGGLUTININE H7 MODIFIEE DE LA SEQUENCE H7 DE LA GRIPPE A/SHANGHAI/2/2013**
[72] DE GROOT, ANNE S., US
[72] MARTIN, WILLIAM D., US
[71] EPIVAX, INC., US
[85] 2017-11-09
[86] 2016-05-02 (PCT/US2016/030425)
[87] (WO2016/179099)
[30] US (62/156,718) 2015-05-04

[21] **3,001,727**
[13] A1

[51] **Int.Cl. A61K 9/51 (2006.01)**

[25] EN
[54] **COMPOSITIONS AND METHOD FOR THE TREATMENT AND DETECTION OF COLON CANCER**
[54] **COMPOSITIONS ET PROCEDE DE TRAITEMENT ET DE DEPISTAGE DU CANCER DU COLON**
[72] PALEJWALA, VASEEM, US
[72] SHAILUBHAI, KUNWAR, US
[71] SYNERGY PHARMACEUTICALS, INC., US
[85] 2018-04-11
[86] 2016-11-18 (PCT/US2016/062902)
[87] (WO2017/087879)
[30] US (62/256,927) 2015-11-18

[21] **3,001,729**
[13] A1

[51] **Int.Cl. B65D 83/08 (2006.01) B01L 99/00 (2010.01) B01L 3/00 (2006.01) B65D 25/00 (2006.01) B65D 25/04 (2006.01) B65D 25/10 (2006.01) B65D 41/16 (2006.01) G01N 1/20 (2006.01)**

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[54] **TEST ELEMENT RETENTION DIVIDERS**
[54] **DIVISEURS DE RETENTION D'ELEMENT DE TEST**
[72] NORMAN, ISAAC A., US
[72] CHAN, FRANK A., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-04-11
[86] 2016-12-07 (PCT/US2016/065462)
[87] (WO2017/100375)
[30] US (62/264,351) 2015-12-08

[21] **3,001,730**
[13] A1

[51] **Int.Cl. H04W 36/16 (2009.01) H04W 36/22 (2009.01)**

[25] EN
[54] **TECHNIQUES FOR MINIMIZING USER DISRUPTION DURING NETWORK CONNECTION SWITCHING**
[54] **TECHNIQUES DE MINIMISATION DE PERTURBATION DE L'UTILISATEUR PENDANT LE CHANGEMENT DE CONNEXION DE RESEAU**
[72] HO, CASEY KWOK CHING, US
[72] TAN, WEIHUA, US
[71] GOOGLE LLC, US
[85] 2018-04-11
[86] 2016-12-14 (PCT/US2016/066524)
[87] (WO2017/131881)
[30] US (15/010,363) 2016-01-29

[21] **3,001,731**
[13] A1

[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/119 (2014.01) H04N 19/137 (2014.01) H04N 19/176 (2014.01) H04N 19/543 (2014.01)**

[25] EN
[54] **MOTION VECTOR PREDICTION USING PRIOR FRAME RESIDUAL**
[54] **UTILISATION DE PREDICTION DE VECTEUR DE MOUVEMENT AVANT UN RESIDU DE TRAME**
[72] BANKOSKI, JAMES, US
[72] MUKHERJEE, DEBARGHA, US
[72] XU, YAOWU, US
[71] GOOGLE LLC, US
[85] 2018-04-11
[86] 2016-12-20 (PCT/US2016/067792)
[87] (WO2017/131900)
[30] US (15/010,594) 2016-01-29

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[13] A1

[51] **Int.Cl. C10M 105/06 (2006.01) C10M 107/02 (2006.01) C10M 107/34 (2006.01) C10M 161/00 (2006.01) C10M 169/04 (2006.01)**

[25] EN
[54] **SYNTHETIC LUBRICATING OIL COMPOSITIONS**
[54] **COMPOSITIONS D'HUILE LUBRIFIANTE SYNTHETIQUE**

[72] HUTCHISON, GREGORY S., US
[71] PHILLIPS 66 COMPANY, US
[85] 2018-04-11
[86] 2016-10-11 (PCT/US2016/056424)
[87] (WO2017/066186)
[30] US (62/242,009) 2015-10-15
[30] US (15/290,285) 2016-10-11

[21] **3,001,733**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/11 (2016.01) A61B 17/28 (2006.01)**

[25] EN
[54] **DEVICES AND METHODS FOR GUIDING A SURGICAL INSTRUMENT**
[54] **DISPOSITIFS ET PROCEDES POUR GUIDER UN INSTRUMENT CHIRURGICAL**

[72] SPERRY, ERIK E., US
[72] LONG, JERRY T., US
[72] CIULLA, RONALD, US
[72] HARRAH, TIMOTHY P., US
[72] KIRKEMO, AARON K., US
[72] HERA, MARK A., US
[72] REEVER, KENNETH P., US
[72] CRAFT, BRANDON W., US
[72] STOKLEY, ELIZABETH A., US
[72] KOERNER, SEBASTIAN, DE
[72] SCHNEIDER, CHAD, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2018-04-11
[86] 2017-01-06 (PCT/US2017/012476)
[87] (WO2017/120434)
[30] US (62/276,569) 2016-01-08

[21] **3,001,734**
[13] A1

[51] **Int.Cl. B64C 27/52 (2006.01) B64C 27/04 (2006.01)**

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[54] **ROTARY WING AIRCRAFT**
[54] **AERONEF A VOILURE TOURNANTE**

[72] RAMIREZ-SERRANO, ALEJANDRO, CA
[71] 4FRONT ROBOTICS LTD., CA
[85] 2018-04-12
[86] 2016-10-14 (PCT/CA2016/051197)
[87] (WO2017/063088)
[30] US (62/242,351) 2015-10-16

[21] **3,001,735**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **METHODS FOR TREATING CANCER USING PYRIMIDINE AND PYRIDINE COMPOUNDS WITH BTK INHIBITORY ACTIVITY**
[54] **METHODES DE TRAITEMENT DU CANCER AU MOYEN DE COMPOSES DE PYRIMIDINE ET DE PYRIDINE AYANT UNE ACTIVITE D'INHIBITION DE LA BTK**

[72] HUCK, BAYARD R., US
[72] GOODSTAL, SAMANTHA M., US
[72] GIMMI-MCKIM, CLAUDE, CH
[71] MERCK PATENT GMBH, DE
[85] 2018-04-11
[86] 2016-11-04 (PCT/US2016/060508)
[87] (WO2017/079542)
[30] US (62/250,575) 2015-11-04
[30] US (62/296,143) 2016-02-17
[30] US (62/341,189) 2016-05-25

[21] **3,001,736**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01)**

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[54] **TROCAR SUPPORT**
[54] **SUPPORT DE TROCART**

[72] PACAK, JOHN STEPHEN, CA
[72] DIAMOND, HEATHER DAWN, CA
[72] MULDOON, DAMIAN RAYMOND, IE
[72] WARD, SHANE GERARD, IE
[72] MURPHY, BRIAN FERGUS, IE
[72] CANNON, WILLIAM JAMES, IE
[72] KEAVENEY, LUKE PATRICK, IE
[71] SURGICAL STABILIZATION TECHNOLOGIES INC., CA
[85] 2018-04-12
[86] 2016-11-17 (PCT/CA2016/051344)
[87] (WO2017/083976)
[30] US (62/256,526) 2015-11-17

[21] **3,001,737**
[13] A1

[51] **Int.Cl. A47K 3/00 (2006.01) A47K 3/022 (2006.01)**

[25] EN
[54] **BATHTUB WITH DOOR AND DRAIN**
[54] **BAIGNOIRE DOTEE DE PORTE ET DE PURGE**

[72] BEAUPRE, LUC, CA
[72] CHARBONNEAU, PATRICK, CA
[72] DESLAURIERS, ALAIN, CA
[72] MARCHAND, ALEXANDRE, CA
[72] ROCHETTE, JEAN, CA
[72] VEILLEUX, MARC, CA
[71] LES PRODUITS NEPTUNE INC., CA
[85] 2018-04-12
[86] 2017-05-30 (PCT/CA2017/050658)
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[30] US (62/343,241) 2016-05-31

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[21] **3,001,738**
[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **SURGICAL POWER DRILL INCLUDING A MEASURING UNIT SUITABLE FOR BONE SCREW LENGTH DETERMINATION**
[54] **PERCEUSE CHIRURGICALE COMPRENANT UNE UNITE DE MESURE CONCUE POUR DETERMINER LA LONGUEUR DE VIS A OS**
[72] WINDOLF, MARKUS, CH
[72] SCHUETZ, MICHAEL, AU
[71] AO TECHNOLOGY AG, CH
[85] 2018-04-12
[86] 2016-11-11 (PCT/CH2016/000143)
[87] (WO2017/083992)
[30] CH (PCT/CH2015/000168) 2015-11-16

[21] **3,001,739**
[13] A1
[51] **Int.Cl. C07C 11/167 (2006.01) B01D 3/34 (2006.01) B01D 53/14 (2006.01) C07C 7/11 (2006.01)**
[25] EN
[54] **USE OF C4 ABSORBER FOR STRIPPING ALDEHYDES**
[54] **UTILISATION D'UN ABSORBEUR DE C4 POUR LA REEXTRACTION D'ALDEHYDES**
[72] SENETAR, JOHN J., US
[72] BLOMMEL, JEANNIE MEE, US
[72] LUEBKE, CHARLES P., US
[72] SULLIVAN, DANA K., US
[72] DUFF, JOSEPH G., US
[72] HORN, JILLIAN M., US
[72] MAAT, CLIFFORD A., US
[72] NUTT, MICHAEL O., US
[71] UOP LLC, US
[85] 2018-04-11
[86] 2016-11-04 (PCT/US2016/060641)
[87] (WO2017/079629)
[30] US (62/252,053) 2015-11-06

[21] **3,001,740**
[13] A1
[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 9/445 (2018.01)**
[25] EN
[54] **OPERATION METHOD WITH FINGERPRINT RECOGNITION, APPARATUS, AND MOBILE TERMINAL**
[54] **PROCEDE ET APPAREIL DE FONCTIONNEMENT UTILISANT UNE IDENTIFICATION D'EMPREINTE DIGITALE, ET TERMINAL MOBILE**
[72] CHEN, JIANJUN, CN
[72] RUSEK, FREDRIK, CN
[72] WANG, HONGJUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-04-12
[86] 2015-10-13 (PCT/CN2015/091868)
[87] (WO2017/063146)

[21] **3,001,741**
[13] A1
[51] **Int.Cl. G06F 3/14 (2006.01) G06F 3/0346 (2013.01) G06F 3/0481 (2013.01) G06F 3/0485 (2013.01) G06F 1/16 (2006.01)**
[25] EN
[54] **ADAPTABLE USER INTERFACE WITH DUAL SCREEN DEVICE**
[54] **INTERFACE UTILISATEUR ADAPTABLE POSSEDANT UN DISPOSITIF A DEUX ECRANS**
[72] ROJAS, BERNARDO NUNEZ, US
[71] GOOGLE LLC, US
[85] 2018-04-11
[86] 2016-11-14 (PCT/US2016/061806)
[87] (WO2017/123320)
[30] US (14/996,346) 2016-01-15

[21] **3,001,742**
[13] A1
[51] **Int.Cl. G03F 7/00 (2006.01) B05D 5/00 (2006.01) C09D 133/00 (2006.01) C09D 175/04 (2006.01) G03F 1/00 (2012.01) G03F 7/038 (2006.01) G03F 7/039 (2006.01) G03F 7/26 (2006.01)**
[25] EN
[54] **MICROSTRUCTURE PATTERNS**
[54] **MOTIFS DE MICROSTRUCTURE**
[72] BILINSKY, HENRY CLAUDIUS, AU
[71] MICROTAU IP PTY LTD, AU
[85] 2018-04-12
[86] 2016-10-13 (PCT/AU2016/050960)
[87] (WO2017/063040)
[30] US (62/240,708) 2015-10-13

[21] **3,001,743**
[13] A1
[51] **Int.Cl. F16B 45/02 (2006.01) F16B 45/04 (2006.01) F16B 45/06 (2006.01)**
[25] EN
[54] **MANUALLY ACTUATABLE HANGER FOR SUSPENDING ARTICLES FROM A TUBULAR CARRIER STRUCTURE**
[54] **CINTRE A ACTIONNEMENT MANUEL POUR SUSPENSION D'ARTICLES DEPUIS UNE STRUCTURE SUPPORT TUBULAIRE**
[72] ABELS, DAVID, US
[72] WIMBERLY, GRAHAM, US
[72] DJURDJEVIC, BOBAN, RS
[72] ABELS, HANNAH, US
[72] TAL, GILAD, IL
[71] FOUR STRONG CORPORATION, US
[85] 2018-04-11
[86] 2016-11-17 (PCT/US2016/062550)
[87] (WO2017/087683)
[30] US (14/943,414) 2015-11-17

[21] **3,001,745**
[13] A1
[51] **Int.Cl. H04L 12/771 (2013.01) H04L 12/931 (2013.01) G06F 13/12 (2006.01) G06F 13/38 (2006.01) G06F 13/40 (2006.01) H04L 12/50 (2006.01)**
[25] EN
[54] **A COMMUNICATIONS DEVICE**
[54] **DISPOSITIF DE COMMUNICATION**
[72] LOCKWOOD, CHRISTOPHER JAMES, AU
[71] AVI PTY LTD, AU
[85] 2018-04-12
[86] 2016-10-14 (PCT/AU2016/050971)
[87] (WO2017/063050)
[30] AU (2015904257) 2015-10-16

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[21] **3,001,746**
[13] A1

[51] **Int.Cl. H02J 50/10 (2016.01) A61B 90/00 (2016.01) H02J 50/12 (2016.01) H02J 50/80 (2016.01) A61N 1/378 (2006.01) G06F 1/26 (2006.01) H01Q 7/00 (2006.01) H04B 5/00 (2006.01)**

[25] EN

[54] **WIRELESS POWER AND DATA TRANSMISSION SYSTEM FOR WEARABLE AND IMPLANTABLE DEVICES**

[54] **SYSTEME DE TRANSMISSION D'ENERGIE ET DE DONNEES SANS FIL POUR DES DISPOSITIFS IMPLANTABLES ET PORTABLES**

[72] SOLTANI, NIMA, CA
[72] GENOV, ROMAN, CA

[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[85] 2018-04-12
[86] 2016-10-07 (PCT/CA2016/051169)
[87] (WO2017/059540)
[30] US (62/238,271) 2015-10-07

[21] **3,001,747**
[13] A1

[51] **Int.Cl. F24H 9/20 (2006.01) F16K 15/00 (2006.01) F24D 17/00 (2006.01) F24H 9/12 (2006.01)**

[25] EN

[54] **CONSTANT PRESSURE SWITCH APPARATUS AND WATER HEATING SYSTEM**

[54] **APPAREILLAGE D'INTERRUPTEUR A PRESSION CONSTANTE ET SYSTEME DE CHAUFFAGE D'EAU**

[72] WEI, AIGUO, CN
[72] ZHANG, CHENGJUN, CN
[72] FU, ZIWEN, CN

[71] A.O.SMITH (CHINA) WATER HEATER CO., LTD., CN

[85] 2018-04-12
[86] 2016-09-20 (PCT/CN2016/099431)
[87] (WO2017/067362)
[30] CN (201510685827.5) 2015-10-20
[30] CN (201620115000.0) 2016-02-04

[21] **3,001,748**
[13] A1

[51] **Int.Cl. B29C 44/34 (2006.01) B29C 33/02 (2006.01) B29C 44/44 (2006.01) B29C 44/58 (2006.01)**

[25] EN

[54] **DEVICE AND PROCESS FOR PRODUCING MOLDINGS CONSISTING OF A PARTICLE FOAM**

[54] **DISPOSITIF ET PROCEDE POUR LA FABRICATION DE PIECES MOULEES CONSTITUEES PAR UNE MOUSSE PARTICULAIRE**

[72] BREXELER, INGO, DE
[71] KRALLMANN KUNSTSTOFFVERARBEITUNG GMBH, DE

[85] 2018-04-12
[86] 2016-09-27 (PCT/EP2016/001602)
[87] (WO2017/063728)
[30] DE (10 2015 013 131.1) 2015-10-13

[21] **3,001,749**
[13] A1

[51] **Int.Cl. B09B 5/00 (2006.01) B03B 9/06 (2006.01) B09B 3/00 (2006.01) B30B 9/02 (2006.01) C02F 11/12 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PROCESSING SOLID WASTE**

[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT DE DECHETS SOLIDES**

[72] OUDE GROTEBEVELSBORG, WILLEM JAN, NL
[71] ANAERGIA B.V., NL

[85] 2018-04-12
[86] 2016-02-12 (PCT/EP2016/053053)
[87] (WO2017/076514)
[30] US (62/249,892) 2015-11-02

[21] **3,001,750**
[13] A1

[51] **Int.Cl. H02S 40/30 (2014.01)**

[25] EN

[54] **ENERGY GATEWAY, HOUSEHOLD APPLIANCE, DIRECT-CURRENT MICRO-GRID SYSTEM AND ENERGY MANAGEMENT METHOD THEREFOR**

[54] **PASSERELLE D'ENERGIE, APPAREIL MENAGER, SYSTEME DE MICRO-RESEAU DE DISTRIBUTION ELECTRIQUE A COURANT CONTINU ET PROCEDE DE GESTION D'ENERGIE POUR CELUI-CI**

[72] TANG, WENQIANG, CN
[72] NAN, SHUGONG, CN
[72] REN, PENG, CN
[72] HUANG, MENG, CN
[72] LIU, XIA, CN
[72] DONG, MINGZHU, CN
[72] ZHAO, ZHIGANG, CN

[71] GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI, CN

[85] 2018-04-12
[86] 2016-10-11 (PCT/CN2016/101786)
[87] (WO2017/063547)
[30] CN (201510677211.3) 2015-10-15

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[25] EN

[54] **METHOD FOR OPERATING A PACKAGING APPARATUS, AND PACKAGING APPARATUS**

[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF D'EMBALLAGE ET DISPOSITIF D'EMBALLAGE**

[72] HELLENBRAND, CHRISTOPH, DE
[71] BECTON DICKINSON ROWA GERMANY GMBH, DE

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[86] 2016-09-07 (PCT/EP2016/071007)
[87] (WO2017/063791)
[30] EP (15189304.7) 2015-10-12

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[25] EN
[54] **HYDROGEL COMPOSITE DEPOT FORMULATION**
[54] **FORMULATION RETARD A BASE D'UN COMPOSITE D'HYDROGEL**
[72] LEINO, LASSE, FI
[72] JALONEN, HARRY, FI
[72] FORSBACK, ARI-PEKKA, FI
[72] JOKINEN, MIKA, FI
[72] NOPPARI, PANU, FI
[71] DELSITECH OY, FI
[85] 2018-04-12
[86] 2016-10-21 (PCT/FI2016/050745)
[87] (WO2017/068245)
[30] FI (20155750) 2015-10-22

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[25] EN
[54] **TELECOMMUNICATIONS APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES DE TELECOMMUNICATIONS**
[72] MARTIN, BRIAN ALEXANDER, GB
[72] WAKABAYASHI, HIDEJI, GB
[71] SONY CORPORATION, JP
[85] 2018-04-12
[86] 2016-09-19 (PCT/EP2016/072200)
[87] (WO2017/076544)
[30] EP (15193497.3) 2015-11-06

[21] **3,001,754**
[13] A1

[51] **Int.Cl. B23K 15/08 (2006.01) B23K 26/362 (2014.01) B23K 26/60 (2014.01) B22F 3/105 (2006.01) B23K 15/00 (2006.01) B23K 26/34 (2014.01) B29C 67/00 (2017.01)**
[25] EN
[54] **METHOD FOR PRODUCING A WORKPIECE THROUGH GENERATIVE MANUFACTURING, CORRESPONDING WORKPIECE**
[54] **PROCEDE DE FABRICATION D'UNE PIECE PAR FABRICATION ADDITIVE ; PIECE CORRESPONDANTE**
[72] BRUNHUBER, CHRISTIAN, DE
[72] DENNELER, STEFAN, DE
[72] FISCHLE, MORITZ, DE
[72] HANEBUTH, HENNING, DE
[72] WALTER, STEFFEN, DE
[71] SIEMENS AKTIENGESSELLSCHAFT, DE
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[87] (WO2017/063861)
[30] EP (15189765.9) 2015-10-14

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[25] EN
[54] **MEDICAL INSTRUMENTS FOR PERFORMING MINIMALLY-INVASIVE PROCEDURES**
[54] **INSTRUMENTS MEDICAUX PERMETTANT D'EFFECTUER DES INTERVENTIONS A EFFRACTION MINIMALE**
[72] O'KEEFE, JONATHAN, US
[72] CERIER, JEFFREY, US
[72] CRUZ, AMOS, US
[72] REZAC, DAVID, US
[71] LUMENDI LTD., GB
[85] 2018-04-10
[86] 2016-10-20 (PCT/EP2016/075285)
[87] (WO2017/068074)
[30] US (62/244,026) 2015-10-20
[30] US (62/400,759) 2016-09-28

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[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **CARTRIDGE FOR AN AEROSOL-GENERATING SYSTEM WITH IDENTIFICATION INDUCTOR**
[54] **CARTOUCHE POUR UN SYSTEME DE PRODUCTION D'AEROSOL AVEC INDUCTEUR D'IDENTIFICATION**
[72] REEVELL, TONY, GB
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-10
[86] 2016-10-26 (PCT/EP2016/075852)
[87] (WO2017/084848)
[30] EP (15194893.2) 2015-11-17

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[51] **Int.Cl. C08J 9/00 (2006.01) C08J 9/30 (2006.01) C04B 26/00 (2006.01) C04B 38/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING IN-SITU FOAM**
[54] **SYSTEME ET PROCEDE POUR LA FABRICATION D'UNE MOUSSE IN SITU**
[72] LONGO-SCHEDER, DANIELA, DE
[72] HAEHNLE, HANS-JOACHIM, DE
[72] VON BENTEN, REBEKKA, DE
[72] REUTER, FRANK, DE
[71] BASF SE, DE
[85] 2018-04-12
[86] 2016-10-06 (PCT/EP2016/073917)
[87] (WO2017/067792)
[30] EP (15190531.2) 2015-10-20

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[13] A1

[51] **Int.Cl. A23F 5/40 (2006.01)**
[25] EN
[54] **KIT FOR DELIVERING A MULTI-LAYERED BEVERAGE**
[54] **NECESSAIRE POUR LA PRODUCTION D'UNE BOISSON A COUCHES MULTIPLES**
[72] ROSSE, MARCEL, SG
[72] ALEVIZOS, CHRISTOS, CH
[72] RUBIO, DANIEL, US
[72] KLUNDUK, MAREK, CH
[72] MASTNY, JONATHAN DANIEL, US
[72] RAHMANI, RACHID, US
[71] NESTEC S.A., CH
[85] 2018-04-12
[86] 2016-10-06 (PCT/EP2016/073919)
[87] (WO2017/063943)
[30] US (62/242,741) 2015-10-16

[21] **3,001,759**
[13] A1

[51] **Int.Cl. B60C 15/02 (2006.01) B60C 5/16 (2006.01)**
[25] EN
[54] **ADAPTER FOR ROLLING ASSEMBLY AND ROLLING ASSEMBLY COMPRISING SAME**
[54] **ADAPTATEUR POUR ENSEMBLE ROULANT ET ENSEMBLE ROULANT LE COMPRENANT**
[72] WALSER, DANIEL, FR
[72] DELFINO, ANTONIO, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-04-12
[86] 2016-10-24 (PCT/EP2016/075544)
[87] (WO2017/092928)
[30] FR (1561644) 2015-12-01

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[13] A1

[51] **Int.Cl. H04M 3/56 (2006.01) H04M 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SETTING UP A GROUP CALL**
[54] **SYSTEME ET PROCEDE D'ETABLISSEMENT D'UN APPEL DE GROUPE**
[72] DAHLQVIST, JOHAN, SE
[72] PRETO, VASCO, SE
[72] KAMINSKI, ANDREW, SE
[72] KYRITSIS, THOMAS, SE
[72] LINDHE, PAR, SE
[72] SKOGLUND, THOMAS, SE
[72] KUMAR, SURESH, SE
[72] MORTAZAVI, AMIR, SE
[72] CONNOR, CHRISTOPHER, SE
[71] REBTEL NETWORKS AB, SE
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[86] 2016-10-10 (PCT/EP2016/074165)
[87] (WO2017/067806)
[30] EP (15190378.8) 2015-10-19

[21] **3,001,761**
[13] A1

[51] **Int.Cl. B01D 15/00 (2006.01) C07K 1/00 (2006.01) C12M 1/00 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **A MANUFACTURING FACILITY FOR THE PRODUCTION OF BIOPHARMACEUTICALS**
[54] **INSTALLATION DE FABRICATION POUR LA PRODUCTION DE BIOPHARMACEUTIQUES**
[72] MOHINDRA, ATUL, GB
[71] LONZA LIMITED, CH
[85] 2018-04-12
[86] 2016-10-26 (PCT/EP2016/075869)
[87] (WO2017/072201)
[30] US (62/246,478) 2015-10-26
[30] US (62/299,930) 2016-02-25

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[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A THREE DIMENSIONAL PERFORMANCE OF AN OPHTHALMIC LENS; ASSOCIATED METHOD OF CALCULATING AN OPHTHALMIC LENS**
[54] **PROCEDE DE DETERMINATION D'UNE PERFORMANCE TRIDIMENSIONNELLE D'UN VERRE OPHTALMIQUE; PROCEDE ASSOCIE DE CALCUL D'UN VERRE OPHTALMIQUE**
[72] HESLOUIS, MELANIE, FR
[72] FRICKER, SEBASTIEN, FR
[72] GUILLOUX, CYRIL, FR
[72] ROUSSEAU, BENJAMIN, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2018-04-12
[86] 2016-10-11 (PCT/EP2016/074349)
[87] (WO2017/064065)
[30] EP (15306647.7) 2015-10-15
[30] EP (15306644.4) 2015-10-15
[30] EP (15306646.9) 2015-10-15
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[13] A1

[51] **Int.Cl. G01N 21/35 (2014.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ANALYZING TISSUE QUALITY USING MID-INFRARED SPECTROSCOPY**
[54] **PROCEDES ET SYSTEMES D'ANALYSE DE LA QUALITE DES TISSUS PAR SPECTROSCOPIE EN MOYEN INFRAROUGE**
[72] CHAFIN, DAVID, US
[72] OTTER, MICHAEL, US
[72] PETRICH, WOLFGANG, DE
[72] BAUER, DANIEL, US
[72] KROEGER-LUI, NIELS, DE
[71] VENTANA MEDICAL SYSTEMS, INC., US
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2018-04-12
[86] 2016-10-28 (PCT/EP2016/076130)
[87] (WO2017/072320)
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[13] A1

[51] **Int.Cl. F22B 3/02 (2006.01) F01K 25/10 (2006.01) F22B 1/16 (2006.01) F22B 1/18 (2006.01) F22G 1/16 (2006.01)**

[25] EN

[54] **GENERATION OF PROCESS STEAM BY MEANS OF A HIGH-TEMPERATURE HEAT PUMP**

[54] **PRODUCTION DE VAPEUR INDUSTRIELLE AU MOYEN D'UNE POMPE A CHALEUR HAUTE TEMPERATURE**

[72] BERGINS, CHRISTIAN, DE

[72] STOEVER, BRIAN, DE

[72] HAERTEL, SVEN, DE

[72] BUDDENBERG, TORSTEN, DE

[72] WALDBURG, SIMON, DE

[71] MITSUBISHI HITACHI POWER SYSTEMS EUROPE GMBH, DE

[85] 2018-04-12

[86] 2016-10-13 (PCT/EP2016/074540)

[87] (WO2017/064163)

[30] DE (10 2015 117 492.8) 2015-10-14

[21] **3,001,765**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**

[25] EN

[54] **MULTIVALENT FV ANTIBODIES**

[54] **ANTICORPS FV POLYVALENTS**

[72] ELLWANGER, KRISTINA, DE

[72] FUCEK, IVICA, DE

[72] ROSS, THORSTEN, DE

[72] MUELLER, THOMAS, DE

[72] RAJKOVIC, ERICH, DE

[72] REUSCH, UWE, DE

[72] TREDER, MARTIN, DE

[72] WEICHEL, MICHAEL, DE

[71] AFFIMED GMBH, DE

[85] 2018-04-12

[86] 2016-10-13 (PCT/EP2016/074642)

[87] (WO2017/064221)

[30] EP (15189665.1) 2015-10-13

[21] **3,001,766**
[13] A1

[51] **Int.Cl. C07D 417/04 (2006.01) A61K 31/497 (2006.01) A61P 25/04 (2006.01)**

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[54] **INHIBITOR OF THE P2X7 RECEPTOR**

[54] **INHIBITEUR DU RECEPTEUR P2X7**

[72] KILBURN, JOHN PAUL, DK

[72] HOPPER, ALLEN T., US

[72] JUHL, MARTIN, DK

[71] H. LUNDBECK A/S, DK

[85] 2018-04-12

[86] 2016-11-01 (PCT/EP2016/076285)

[87] (WO2017/076825)

[30] DK (PA 2015 00678) 2015-11-02

[21] **3,001,767**
[13] A1

[51] **Int.Cl. C10G 29/24 (2006.01) C10G 21/06 (2006.01)**

[25] EN

[54] **A PROCESS FOR REMOVING SULPHUR COMPOUNDS FROM PROCESS STREAMS**

[54] **PROCEDE POUR ELIMINER DES COMPOSES SOUFRES PRESENTS DANS DES FLUX DE TRAITEMENT**

[72] TAARNING, ESBEN, DK

[72] OSMUNDSEN, CHRISTIAN MARUP, DK

[71] HALDOR TOPSOE A/S, DK

[85] 2018-04-12

[86] 2016-10-14 (PCT/EP2016/074745)

[87] (WO2017/064267)

[30] DK (PA 2015 00633) 2015-10-14

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[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61P 25/18 (2006.01)**

[25] EN

[54] **[1,2,4]TRIAZOLO[1,5-A]PYRIMIDIN-7-YL COMPOUND**

[54] **COMPOSE [1,2,4]TRIAZOLO[1,5-A]PYRIDIMIDINE-7-YL**

[72] BUIJNSTERS, PETRUS JACOBUS JOHANNES ANTONIUS, BE

[72] GIJSEN, HENRICUS JACOBUS MARIA, BE

[72] DRINKENBURG, WILHELMUS HELENA IGNATIUS MARIA, BE

[72] AHNAOU, ABDALLAH, BE

[71] JANSSEN PHARMACEUTICA NV, BE

[85] 2018-04-12

[86] 2016-11-02 (PCT/EP2016/076420)

[87] (WO2017/076900)

[30] EP (15192661.5) 2015-11-02

[30] EP (15192966.8) 2015-11-04

[21] **3,001,769**
[13] A1

[51] **Int.Cl. B27D 5/00 (2006.01) B27B 5/04 (2006.01) B27M 3/00 (2006.01)**

[25] EN

[54] **METHOD FOR BEVELLING VENEERS**

[54] **PROCEDE PERMETTANT D'ENTRER DES FEUILLES DE CONTREPLAQUE**

[72] HANSES, JOSEF, DE

[71] HANSES SAGWERKSTECHNIK GMBH & CO. KG, DE

[85] 2018-04-12

[86] 2016-10-17 (PCT/EP2016/074899)

[87] (WO2017/067889)

[30] DE (10 2015 117 931.8) 2015-10-21

[21] **3,001,770**
[13] A1

[51] **Int.Cl. B65H 19/28 (2006.01) B65H 75/08 (2006.01) B65H 75/28 (2006.01)**

[25] EN

[54] **SPOOL**

[54] **TAMBOUR**

[72] MULLER, MALTE, DE

[72] WOHLFAHRT, MATTHIAS, DE

[72] WETSCHENBACHER, EWALD, DE

[72] PREISING, RALF-HARALD, DE

[71] VOITH PATENT GMBH, DE

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[86] 2016-11-16 (PCT/EP2016/077799)

[87] (WO2017/085091)

[30] DE (10 2015 222 927.0) 2015-11-20

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[13] A1

[51] **Int.Cl. G01C 21/36 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **A METHOD FOR THE ALTERED PICTORIAL REPRESENTATION OF POSITIONS OF THE LOCATIONS OF SELECTED DESTINATION POINTS IN ELECTRONIC MAPS**
[54] **UNE METHODE DE REPRESENTATION PICTURALE MODIFIEE DES POSITIONS DES EMPLACEMENTS DE POINTS DE DESTINATION SELECTIONNES SUR LES CARTES ELECTRONIQUES**
[72] USADEL, JAN, DE
[71] USADEL GMBH, DE
[85] 2018-04-12
[86] 2016-10-19 (PCT/EP2016/075105)
[87] (WO2017/067990)
[30] DE (10 2015 117 792.7) 2015-10-19

[21] **3,001,774**
[13] A1

[51] **Int.Cl. B01J 13/18 (2006.01) A01N 25/28 (2006.01) A61K 9/50 (2006.01) C09B 67/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR PREPARING AN AQUEOUS DISPERSION OF MICROPARTICLES**
[54] **PROCEDE DE PREPARATION D'UNE DISPERSION AQUEUSE DE MICROPARTICULES**
[72] WINKELMANN, MARION, DE
[72] MUELHEIMS, KERSTIN, DE
[72] TAUBER, RALPH, DE
[72] FUCHS, YANNICK, DE
[72] CETINKAYA, MURAT, NL
[72] SACHWEH, BERND, DE
[71] BASF SE, DE
[85] 2018-04-12
[86] 2016-10-20 (PCT/EP2016/075187)
[87] (WO2017/068024)
[30] EP (15191091.6) 2015-10-22

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[13] A1

[51] **Int.Cl. B65B 9/067 (2012.01) B29C 65/00 (2006.01) B29C 65/08 (2006.01) B29C 65/74 (2006.01) B65B 29/00 (2006.01) B65B 51/22 (2006.01) B65B 51/30 (2006.01) B65B 1/06 (2006.01) B65B 59/00 (2006.01)**
[25] EN
[54] **SEALING DEVICE**
[54] **DISPOSITIF DE SCELLEMENT ETANCHE**
[72] PERSSON, TONY, SE
[71] SWEDISH MATCH NORTH EUROPE AB, SE
[85] 2018-04-12
[86] 2016-12-02 (PCT/EP2016/079590)
[87] (WO2017/093486)
[30] EP (15197524.0) 2015-12-02

[21] **3,001,778**
[13] A1

[51] **Int.Cl. A61K 36/815 (2006.01) A61K 36/28 (2006.01) A61K 36/287 (2006.01) A61K 36/45 (2006.01) A61K 36/63 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING A MIXTURE OF MOLECULES EXTRACTED FROM CHRYSANTHELLUM INDICUM, CYNARA SCOLYMUS AND LYCIUM BARBARUM AND USE TO ACT ON CARBOHYDRATE AND/OR FAT METABOLISM**
[54] **COMPOSITION COMPRENANT UN MELANGE DE MOLECULES EXTRAITES DE CHRYSANTHELLUM INDICUM, DE CYNARA SCOLYMUS ET DE LYCIUM BARBARUM ET SON UTILISATION DANS L'ACTION SUR LE METABOLISME DES GLUCIDES ET/OU DES GRAISSES**
[72] PELTIER, SEBASTIEN, FR
[72] CHAVANELLE, VIVIEN, FR
[72] SIRVENT, PASCAL, FR
[71] VALBIOTIS, FR
[71] UNIVERSITE CLERMONT AUVERGNE, FR
[85] 2018-04-12
[86] 2016-10-20 (PCT/EP2016/075257)
[87] (WO2017/068057)
[30] FR (1559965) 2015-10-20

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[13] A1

[51] **Int.Cl. A24B 15/16 (2006.01) A24F 47/00 (2006.01)**
[25] EN
[54] **STRENGTH ENHANCERS AND METHOD OF ACHIEVING STRENGTH ENHANCEMENT IN AN ELECTRONIC VAPOR DEVICE**
[54] **ELEMENTS D'AMELIORATION DE RESISTANCE, ET PROCEDE PERMETTANT D'OBTENIR UNE AMELIORATION DE RESISTANCE DANS UN DISPOSITIF A VAPOTER ELECTRONIQUE**
[72] ANDERSON, ADAM, US
[72] KANE, DAVID, US
[72] LI, WEILING, US
[72] LIPOWICZ, PETER, US
[72] OLIVERI, DOUGLAS, US
[72] RUSYNIAK, MARK, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-12
[86] 2016-12-16 (PCT/EP2016/081469)
[87] (WO2017/103136)
[30] US (14/974,211) 2015-12-18

[21] **3,001,781**
[13] A1

[51] **Int.Cl. B29C 70/38 (2006.01)**
[25] EN
[54] **A METHOD OF DESIGNING A PLYBOOK FOR A COMPOSITE COMPONENT**
[54] **PROCEDE DE CONCEPTION D'UN MATERIAU MULTIPLIS POUR UN CONSTITUANT COMPOSITE**
[72] BARNES, ASHLEY, GB
[72] JAMES, DARREN IVOR, GB
[71] ROLLS-ROYCE PLC, GB
[85] 2018-04-12
[86] 2016-10-13 (PCT/GB2016/053170)
[87] (WO2017/064489)
[30] GB (1518285.0) 2015-10-15

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[13] A1

[51] **Int.Cl. G06F 9/50 (2006.01) G05B 19/418 (2006.01)**
[25] EN
[54] **METHOD FOR ARRANGING WORKLOADS IN A SOFTWARE DEFINED AUTOMATION SYSTEM**
[54] **PROCEDE POUR AGENCER DES CHARGES DE TRAVAIL DANS UN SYSTEME D'AUTOMATISATION DEFINIE PAR LOGICIEL**
[72] CHAUVET, ANTONIO, FR
[72] WILHELM, PHILIPPE, US
[72] HARRIMAN, MERRILL, US
[72] KLING, ANDREW LEE DAVID, US
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[85] 2018-04-12
[86] 2016-10-12 (PCT/IB2016/001522)
[87] (WO2017/064554)
[30] US (62/240,742) 2015-10-13
[30] US (62/241,028) 2015-10-13
[30] US (62/348,770) 2016-06-10
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[30] US (62/354,799) 2016-06-26
[30] US (62/406,932) 2016-10-11

[21] **3,001,784**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **A CARTRIDGE FOR AN AEROSOL-GENERATING SYSTEM AND AN AEROSOL-GENERATING SYSTEM COMPRISING A CARTRIDGE**
[54] **CARTOUCHE POUR SYSTEME DE GENERATION D'AEROSOL, ET SYSTEME DE GENERATION D'AEROSOL COMPRENANT UNE CARTOUCHE**
[72] SILVESTRINI, PATRICK CHARLES, CH
[72] WALLER, JUDITH, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-12
[86] 2016-12-21 (PCT/EP2016/082223)
[87] (WO2017/108983)
[30] EP (15202201.8) 2015-12-22

[21] **3,001,785**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **A CARTRIDGE FOR AN AEROSOL-GENERATING SYSTEM AND AN AEROSOL-GENERATING SYSTEM COMPRISING A CARTRIDGE**
[54] **CARTOUCHE POUR SYSTEME DE GENERATION D'AEROSOL, ET SYSTEME DE GENERATION D'AEROSOL COMPRENANT UNE CARTOUCHE**
[72] SILVESTRINI, PATRICK CHARLES, CH
[72] WALLER, JUDITH, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-12
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[87] (WO2017/108987)
[30] EP (15202211.7) 2015-12-22

[21] **3,001,786**
[13] A1

[51] **Int.Cl. B29C 70/38 (2006.01) G05B 19/416 (2006.01)**
[25] EN
[54] **A METHOD OF GENERATING A MOVEMENT PROFILE FOR A LAYUP PROCEDURE**
[54] **PROCEDE DE CREATION D'UN PROFIL DE MOUVEMENT POUR UNE PROCEDURE DE DISPOSITION EN COUCHES**
[72] BARNES, ASHLEY, GB
[71] ROLLS-ROYCE PLC, GB
[85] 2018-04-12
[86] 2016-10-13 (PCT/GB2016/053172)
[87] (WO2017/064491)
[30] GB (1518284.3) 2015-10-15

[21] **3,001,788**
[13] A1

[51] **Int.Cl. F17C 13/02 (2006.01) G01L 7/16 (2006.01)**
[25] EN
[54] **CYLINDER OF PRESSURISED FLUID**
[54] **BOUTEILLE DE FLUIDE SOUS PRESSION**
[72] FRENAL, ANTOINE, FR
[72] LIGONESCHE, RENAUD, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2018-04-12
[86] 2016-09-22 (PCT/FR2016/052399)
[87] (WO2017/064380)
[30] FR (1559792) 2015-10-15

[21] **3,001,789**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/496 (2006.01) A61P 25/28 (2006.01) A61P 27/02 (2006.01) C07D 261/18 (2006.01) C07D 263/48 (2006.01) C07D 307/52 (2006.01) C07D 307/68 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **COMPOUNDS**
[54] **COMPOSES**
[72] BATES, DAVID, GB
[72] MORRIS, JONATHAN, AU
[72] TOOP, HAMISH, AU
[72] BATSON, JENNIFER, GB
[72] MORLEY, ANDREW DAVID, GB
[71] EXONATE LIMITED, GB
[85] 2018-04-12
[86] 2016-10-14 (PCT/GB2016/053199)
[87] (WO2017/064512)
[30] GB (1518365.0) 2015-10-16

PCT Applications Entering the National Phase

<p>[21] 3,001,790 [13] A1</p> <p>[51] Int.Cl. G06F 9/50 (2006.01) G05B 19/418 (2006.01)</p> <p>[25] EN</p> <p>[54] CENTRALIZED MANAGEMENT OF A SOFTWARE DEFINED AUTOMATION SYSTEM</p> <p>[54] GESTION CENTRALISEE D'UN SYSTEME D'AUTOMATISATION DEFINI PAR LOGICIEL</p> <p>[72] CHAUVET, ANTONIO, FR</p> <p>[72] WILHELM, PHILIPPE, US</p> <p>[72] HARRIMAN, MERRILL, US</p> <p>[72] ALFANO, ERIC, US</p> <p>[72] MEHMEDAGIC, ALEN, US</p> <p>[72] KLING, ANDREW LEE DAVID, UA</p> <p>[72] DOGGETT, DAVID, US</p> <p>[72] VALLALA, VIJAY, US</p> <p>[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR</p> <p>[85] 2018-04-12</p> <p>[86] 2016-10-12 (PCT/IB2016/001574)</p> <p>[87] (WO2017/064560)</p> <p>[30] US (62/241,028) 2015-10-13</p> <p>[30] US (62/240,742) 2015-10-13</p> <p>[30] US (62/348,770) 2016-06-10</p> <p>[30] US (62/354,683) 2016-06-24</p> <p>[30] US (62/354,799) 2016-06-26</p> <p>[30] US (62/406,932) 2016-10-11</p>	<p>[21] 3,001,792 [13] A1</p> <p>[51] Int.Cl. A61K 39/00 (2006.01) C12N 5/0783 (2010.01) C07K 14/55 (2006.01) C07K 14/715 (2006.01) C07K 14/725 (2006.01)</p> <p>[25] EN</p> <p>[54] RECEPTOR</p> <p>[54] RECEPTEUR</p> <p>[72] PULE, MARTIN, GB</p> <p>[72] CORDOBA, SHAUN, GB</p> <p>[72] RIGHI, MATTEO, GB</p> <p>[71] AUTOLUS LIMITED, GB</p> <p>[85] 2018-04-12</p> <p>[86] 2016-10-21 (PCT/GB2016/053290)</p> <p>[87] (WO2017/068360)</p> <p>[30] GB (1518816.2) 2015-10-23</p>	<p>[21] 3,001,799 [13] A1</p> <p>[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4035 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (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) C07D 471/08 (2006.01)</p> <p>[25] EN</p> <p>[54] BENZOLACTAM COMPOUNDS AS PROTEIN KINASE INHIBITORS</p> <p>[54] COMPOSES BENZOLACTAMES UTILISES EN TANT QU'INHIBITEURS DE PROTEINE KINASE</p> <p>[72] BERDINI, VALERIO, GB</p> <p>[72] BUCK, ILDIKO MARIA, GB</p> <p>[72] DAY, JAMES EDWARD HARVEY, GB</p> <p>[72] GRIFFITHS-JONES, CHARLOTTE MARY, GB</p> <p>[72] HEIGHTMAN, THOMAS DANIEL, GB</p> <p>[72] HOWARD, STEVEN, GB</p> <p>[72] MURRAY, CHRISTOPHER WILLIAM, GB</p> <p>[72] NORTON, DAVID, GB</p> <p>[72] O'REILLY, MARC, GB</p> <p>[72] WOOLFORD, ALISON JO-ANNE, GB</p> <p>[72] COOKE, MICHAEL LIAM, GB</p> <p>[72] COUSIN, DAVID, GB</p> <p>[72] ONIONS, STUART THOMAS, GB</p> <p>[72] SHANNON, JONATHAN MARTIN, GB</p> <p>[72] WATTS, JOHN PAUL, GB</p> <p>[71] OTSUKA PHARMACEUTICAL CO., LTD., JP</p> <p>[85] 2018-04-12</p> <p>[86] 2016-10-20 (PCT/IB2016/001507)</p> <p>[87] (WO2017/068412)</p> <p>[30] GB (1518676.0) 2015-10-21</p> <p>[30] GB (1611351.6) 2016-06-30</p>
<p>[21] 3,001,791 [13] A1</p> <p>[51] Int.Cl. F17C 13/00 (2006.01) F17C 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] CAP FOR PROTECTING A VALVE OF A CYLINDER OF PRESSURISED FLUID AND CYLINDER INCLUDING SUCH A CAP</p> <p>[54] CHAPEAU DE PROTECTION DE ROBINET DE BOUTEILLE DE FLUIDE SOUS PRESSION ET BOUTEILLE COMPRENANT UN TEL CHAPEAU</p> <p>[72] FRENAL, ANTOINE, FR</p> <p>[72] LIGONESCHE, RENAUD, FR</p> <p>[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR</p> <p>[85] 2018-04-12</p> <p>[86] 2016-09-29 (PCT/FR2016/052484)</p> <p>[87] (WO2017/064387)</p> <p>[30] FR (1559790) 2015-10-15</p>		

Demandes PCT entrant en phase nationale

[21] **3,001,801**
[13] A1

[51] **Int.Cl. G06F 9/50 (2006.01) G05B 19/418 (2006.01)**

[25] EN

[54] **SOFTWARE DEFINED AUTOMATION SYSTEM AND ARCHITECTURE**

[54] **SYSTEME ET ARCHITECTURE D'AUTOMATISATION DEFINIE PAR LOGICIEL**

[72] CHAUVET, ANTONIO, FR
[72] WILHELM, PHILIPPE, US
[72] HARRIMAN, MERRILL, US
[72] ALFANO, ERIC, US
[72] MEHMEDAGIC, ALEN, US
[72] KLING, ANDREW LEE DAVID, US
[72] DOGGETT, DAVID, US
[72] VALLALA, VIJAY, US
[72] NAPPEY, PHILIPPE, FR
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR

[85] 2018-04-12
[86] 2016-10-12 (PCT/IB2016/001609)
[87] (WO2017/064565)
[30] US (62/241,028) 2015-10-13
[30] US (62/240,742) 2015-10-13
[30] US (62/348,770) 2016-06-10
[30] US (62/354,683) 2016-06-24
[30] US (62/354,799) 2016-06-26
[30] US (62/406,932) 2016-10-11

[21] **3,001,803**
[13] A1

[51] **Int.Cl. H05K 3/30 (2006.01) H05K 1/02 (2006.01) H05K 3/34 (2006.01)**

[25] EN

[54] **DUST COVER FOR ELECTRICAL LEADS**

[54] **COUVERCLE ANTI-POUSSIERE POUR CONDUCTEURS ELECTRIQUES**

[72] MANAVALAN, ARIVUKKARASU, US
[72] SANGHAVI, PRANAV, US
[72] MANTELL, LEE ROY, US
[71] THE ESAB GROUP, INC., US

[85] 2018-04-12
[86] 2016-11-01 (PCT/IB2016/056574)
[87] (WO2017/077452)
[30] IN (3646/DEL/2015) 2015-11-06

[21] **3,001,804**
[13] A1

[51] **Int.Cl. B64G 1/66 (2006.01) F16C 11/12 (2006.01)**

[25] EN

[54] **LARGE ANGLE FLEXIBLE PIVOT PIVOT FLEXIBLE A GRAND ANGLE**

[72] BLECHA, LUC, CH
[72] HUMPHRIES, MARTIN, GB
[72] PUYOL, YOEL, CH
[71] ALMATECH SA, CH

[85] 2018-04-12
[86] 2016-11-03 (PCT/IB2016/056604)
[87] (WO2017/077469)
[30] EP (15193517.8) 2015-11-06

[21] **3,001,805**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PLACING PRE-CUT NOSE WIRES IN A FACEMASK MANUFACTURING PROCESS**

[54] **PROCEDE ET SYSTEME DE MISE EN PLACE DE FILS DE NEZ PRE-DECOUPES AU COURS D'UN PROCESSUS DE FABRICATION DE MASQUE FACIAL**

[72] HARRIS, NATHAN CRAIG, US
[72] WEBER, JOSEPH P., US
[72] HOUDE, AJAY Y., US
[72] HARRINGTON, DAVID LAMAR, US
[72] PAMPERIN, MARK THOMAS, US
[71] AVENT, INC., US

[85] 2018-04-12
[86] 2015-10-16 (PCT/US2015/055872)
[87] (WO2017/065791)

[21] **3,001,807**
[13] A1

[51] **Int.Cl. H04L 27/26 (2006.01) H04W 28/04 (2009.01) H04W 72/04 (2009.01) H04J 13/18 (2011.01) H04B 1/713 (2011.01)**

[25] EN

[54] **TERMINAL AND TRANSMISSION METHOD**

[54] **TERMINAL ET PROCEDE DE TRANSMISSION**

[72] YAMAMOTO, TETSUYA, JP
[72] SUZUKI, HIDETOSHI, JP
[72] HORIUCHI, AYAKO, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US

[85] 2018-04-12
[86] 2016-10-25 (PCT/JP2016/004683)
[87] (WO2017/077694)
[30] JP (2015-218442) 2015-11-06

[21] **3,001,809**
[13] A1

[51] **Int.Cl. F04D 17/18 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM OF COMPRESSING GAS WITH FLOW RESTRICTIONS**

[54] **PROCEDE ET SYSTEME DE COMPRESSION DE GAZ A RESTRICTIONS D'ECOULEMENT**

[72] CHERRY, MARK A., US
[72] ALDERMAN, ROBERT A., US
[72] SHILLINGER, D. HANS, US
[71] CARNOT COMPRESSION, LLC, US

[85] 2018-04-10
[86] 2015-10-14 (PCT/US2015/055427)
[87] (WO2016/061164)
[30] US (62/063,463) 2014-10-14
[30] US (62/222,261) 2015-09-23
[30] US (14/880,378) 2015-10-12

PCT Applications Entering the National Phase

[21] **3,001,810**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A45D 34/04 (2006.01) A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/35 (2006.01) A61K 8/81 (2006.01) A61K 8/92 (2006.01) A61L 26/00 (2006.01) A61Q 1/00 (2006.01) A61Q 19/00 (2006.01) B05D 1/04 (2006.01)**

[25] EN
[54] **METHOD FOR PRODUCING COATING FILM**
[54] **PROCEDE DE FABRICATION DE FILM**

[72] AMARI, NAOMI, JP
[72] TOJO, TAKEHIKO, JP
[71] KAO CORPORATION, JP
[85] 2018-04-12
[86] 2016-10-17 (PCT/JP2016/080674)
[87] (WO2017/069079)
[30] JP (2015-205932) 2015-10-19

[21] **3,001,813**
[13] A1

[51] **Int.Cl. A41D 13/11 (2006.01) B65B 5/10 (2006.01) B65B 25/20 (2006.01) B65B 35/58 (2006.01) B65B 57/00 (2006.01) B65B 65/00 (2006.01) B65G 47/84 (2006.01)**

[25] EN
[54] **METHOD AND SYSTEM FOR AUTOMATED STACKING AND LOADING WRAPPED FACEMASKS INTO A CARTON IN A MANUFACTURING LINE**
[54] **PROCEDE ET SYSTEME D'EMPILAGE ET DE CHARGEMENT AUTOMATISES DE MASQUES FACIAUX ENVELOPPES DANS UNE BOITE EN CARTON DANS UNE CHAINE DE FABRICATION**

[72] HOUDE, AJAY Y., US
[72] HARRINGTON, DAVID LAMAR, US
[72] PAMPERIN, MARK THOMAS, US
[72] HARRIS, NATHAN CRAIG, US
[72] WEBER, JOSEPH P., US
[71] AVENT, INC., US
[85] 2018-04-12
[86] 2015-10-16 (PCT/US2015/055878)
[87] (WO2017/065793)

[21] **3,001,815**
[13] A1

[51] **Int.Cl. C12N 15/10 (2006.01) C12N 9/22 (2006.01) C12N 15/63 (2006.01) C12N 15/74 (2006.01) C12N 15/90 (2006.01) C12P 7/04 (2006.01) C12P 7/26 (2006.01)**

[25] FR
[54] **GENETIC TOOL FOR THE TRANSFORMATION OF CLOSTRIDIUM BACTERIA**
[54] **OUTIL GENETIQUE DE TRANSFORMATION DE BACTERIES CLOSTRIDIUM**

[72] WASELS, FRANCOIS, FR
[72] LOPES FERREIRA, NICOLAS, FR
[72] COLLAS, FLORENT, NL
[72] LOPEZ CONTRERAS, ANA, NL
[71] IFP ENERGIES NOUVELLES, FR
[71] STICHTING WAGENINGEN RESEARCH, NL
[85] 2018-04-12
[86] 2016-10-14 (PCT/FR2016/052663)
[87] (WO2017/064439)
[30] FR (1559846) 2015-10-16

[21] **3,001,817**
[13] A1

[51] **Int.Cl. A01N 57/00 (2006.01)**

[25] EN
[54] **METHODS FOR INDUCING APOPTOSIS IN CANCER CELLS**
[54] **PROCEDES POUR INDUIRE L'APOPTOSE DANS DES CELLULES CANCEREUSES**

[72] WANG, XINJIANG, US
[71] HEALTH RESEARCH, INC., US
[85] 2018-04-12
[86] 2016-10-12 (PCT/US2016/056534)
[87] (WO2017/066245)
[30] US (62/240,097) 2015-10-12

[21] **3,001,818**
[13] A1

[51] **Int.Cl. A21C 15/00 (2006.01) A47F 5/01 (2006.01) A47G 19/30 (2006.01)**

[25] EN
[54] **CAKE STACKING SYSTEM**
[54] **SYSTEME D'EMPILEMENT DE GATEAU**

[72] DESZCZ, LISA, US
[72] ROHLER, ERIN, US
[72] CHAPPLE, TRACI, US
[72] STARR, DAVID, US
[72] SOMERS, BETH, US
[71] WILTON INDUSTRIES, INC., US
[71] DESZCZ, LISA, US
[71] ROHLER, ERIN, US
[71] CHAPPLE, TRACI, US
[71] STARR, DAVID, US
[71] SOMERS, BETH, US
[85] 2018-04-12
[86] 2015-10-16 (PCT/US2015/056105)
[87] (WO2016/061557)
[30] US (62/064,866) 2014-10-16

[21] **3,001,821**
[13] A1

[51] **Int.Cl. A61K 8/02 (2006.01) A45D 34/04 (2006.01) A61K 8/19 (2006.01) A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/35 (2006.01) A61K 8/81 (2006.01) A61K 8/92 (2006.01) A61Q 1/00 (2006.01) B05D 1/04 (2006.01) A61L 26/00 (2006.01)**

[25] EN
[54] **METHOD FOR PRODUCING COATING FILM**
[54] **PROCEDE DE FABRICATION DE FILM**

[72] AMARI, NAOMI, JP
[72] TOJO, TAKEHIKO, JP
[72] ITO, MOTOAKI, JP
[71] KAO CORPORATION, JP
[85] 2018-04-12
[86] 2016-10-17 (PCT/JP2016/080675)
[87] (WO2017/069080)
[30] JP (2015-205933) 2015-10-19

Demandes PCT entrant en phase nationale

[21] **3,001,822**
[13] A1

[51] **Int.Cl. A47K 17/00 (2006.01) A47K 5/06 (2006.01) A47K 10/26 (2006.01) G01H 17/00 (2006.01)**

[25] EN

[54] **PRODUCT USE ACOUSTIC DETERMINATION SYSTEM**

[54] **SYSTEME DE DETERMINATION ACOUSTIQUE DE L'UTILISATION D'UN PRODUIT**

[72] MAHAFFEY, CLEARY E., US

[72] BECKER, STEPHEN, US

[71] KIMBERLY-CLARK WORLDWIDE, INC., US

[85] 2018-04-12

[86] 2015-10-30 (PCT/US2015/058195)

[87] (WO2017/074406)

[21] **3,001,824**
[13] A1

[51] **Int.Cl. A61B 3/024 (2006.01) A61B 3/032 (2006.01) A61B 3/113 (2006.01) G02C 13/00 (2006.01)**

[25] FR

[54] **DEVICE FOR TESTING THE VISUAL BEHAVIOR OF A PERSON, AND METHOD FOR DETERMINING AT LEAST ONE OPTICAL DESIGN PARAMETER OF AN OPHTHALMIC LENS USING SUCH A DEVICE**

[54] **DISPOSITIF DE TEST DU COMPORTEMENT VISUEL D'UN INDIVIDU ET METHODE DE DETERMINATION D'AU MOINS UN PARAMETRE DE CONCEPTION OPTIQUE D'UNE LENTILLE OPHTALMIQUE UTILISANT UN TEL DISPOSITIF**

[72] ESCALIER, GUILHEM, FR

[72] POULAIN, ISABELLE, FR

[72] ROUSSEAU, BENJAMIN, FR

[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-12

[86] 2016-10-14 (PCT/FR2016/052665)

[87] (WO2017/064441)

[30] FR (1559812) 2015-10-15

[21] **3,001,826**
[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 15/00 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01) B01J 20/26 (2006.01) B01J 20/34 (2006.01) G01N 31/00 (2006.01)**

[25] EN

[54] **ACID GAS RECOVERY METHOD AND SYSTEM AND IRON ION ANALYSIS METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE RECUPERATION DE GAZ ACIDES, ET PROCEDE ET SYSTEME D'ANALYSE D'ION FER**

[72] HIRATA, TAKUYA, JP

[72] OKAMOTO, SHINICHI, JP

[72] NAGAYASU, HIROMITSU, JP

[72] CHIYOMARU, MASARU, JP

[72] TSUJIUCHI, TATSUYA, JP

[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP

[85] 2018-04-12

[86] 2016-10-20 (PCT/JP2016/081074)

[87] (WO2017/073447)

[30] JP (2015-210773) 2015-10-27

[21] **3,001,827**
[13] A1

[51] **Int.Cl. A47K 10/02 (2006.01) A47L 13/16 (2006.01)**

[25] EN

[54] **WIPING PRODUCT AND METHOD FOR MAKING SAME**

[54] **PRODUIT D'ESSUYAGE ET SON PROCEDE DE FABRICATION**

[72] BAKER, JOSEPH K., US

[72] READER, TIMOTHY W., US

[71] KIMBERLY-CLARK WORLDWIDE, INC., US

[85] 2018-04-12

[86] 2015-10-30 (PCT/US2015/058311)

[87] (WO2017/074421)

[21] **3,001,829**
[13] A1

[51] **Int.Cl. A23L 17/00 (2016.01) A23L 13/00 (2016.01) A23L 17/40 (2016.01)**

[25] EN

[54] **THE COMBINATORIAL METHODS OF HIGH PRESSURE AND TEMPERATURE PROCESS (HPTP) FOR PRODUCING TEXTURIZED MEAT PRODUCTS AND THE IMPROVED MEAT PRODUCTS OBTAINED FROM THE METHODS THEREOF**

[54] **PROCEDES COMBINATOIRES DE PROCESSUS A HAUTE PRESSION ET HAUTE TEMPERATURE (HPTP) POUR PRODUIRE DES PRODUITS A BASE DE VIANDE TEXTURES ET PRODUITS A BASE DE VIANDE AMELIORES OBTENUS AU MOYEN DES PROCEDES**

[72] KASEMSUWAN, TUNYAWAT, TH

[72] KUMKANOKRAT, WARAPORN, TH

[72] KNOERZER, KAI, AU

[72] OLIVIER, SANDRA, AU

[71] THAI UNION GROUP PUBLIC COMPANY LIMITED, TH

[85] 2018-04-12

[86] 2015-10-14 (PCT/TH2015/000071)

[87] (WO2017/065700)

[21] **3,001,830**
[13] A1

[51] **Int.Cl. A23L 3/16 (2006.01) A23K 10/22 (2016.01) A23K 10/24 (2016.01) A23K 20/174 (2016.01) A23K 50/80 (2016.01) A23L 21/20 (2016.01) A23L 29/275 (2016.01) A23L 33/15 (2016.01) A23P 30/20 (2016.01) C08L 5/08 (2006.01)**

[25] FR

[54] **PRESERVATION OF WATER-SOLUBLE VITAMINS**

[54] **PRESERVATION DE VITAMINES HYDOSOLUBLES**

[72] HUBERT, ANTOINE, FR

[72] BEREZINA, NATHALIE, FR

[72] ARMENJON, BENJAMIN, FR

[71] YNSECT, FR

[85] 2018-04-12

[86] 2016-10-18 (PCT/FR2016/052694)

[87] (WO2017/068278)

[30] FR (1560014) 2015-10-20

PCT Applications Entering the National Phase

[21] **3,001,831**
[13] A1

[51] **Int.Cl. A61K 31/496 (2006.01) A61K 31/593 (2006.01) A61K 33/36 (2006.01) C07D 405/14 (2006.01)**

[25] EN

[54] **COMPOSITIONS, PACKAGED PHARMACEUTICALS, AND METHODS OF USING HEDGEHOG PATHWAY MODULATORS FOR THE SENSITIZATION OF RESISTANT TUMORS**

[54] **COMPOSITIONS, PRODUITS PHARMACEUTIQUES CONDITIONNES, ET METHODES D'UTILISATION DE MODULATEURS DE LA VOIE HEDGEHOG POUR LA SENSIBILISATION DE TUMEURS RESISTANTES**

[72] BHAGWANDIN, VIKASH J., US
[71] BHAGWANDIN, VIKASH J., US
[85] 2018-04-12
[86] 2016-10-12 (PCT/US2016/056656)
[87] (WO2017/066335)
[30] US (62/240,500) 2015-10-12
[30] US (62/240,504) 2015-10-12
[30] US (62/240,507) 2015-10-12
[30] US (62/240,510) 2015-10-12
[30] US (62/240,513) 2015-10-12

[21] **3,001,832**
[13] A1

[51] **Int.Cl. F03D 3/06 (2006.01) F03D 5/02 (2006.01) F03D 7/06 (2006.01)**

[25] EN

[54] **TURBINE WITH DYNAMICALLY ADAPTABLE SAVONIUS BLADES**

[54] **TURBINE AVEC DES PALES DE SAVONIUS REGLABLES DYNAMIQUEMENT**

[72] MOHAJER, HASSAN, US
[71] MOHAJER, HASSAN, US
[85] 2018-04-12
[86] 2015-11-04 (PCT/US2015/059082)
[87] (WO2016/073636)
[30] US (14/533,868) 2014-11-05

[21] **3,001,833**
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C12N 15/62 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**

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[54] **CHIMERIC ANTIGEN RECEPTORS CONTAINING A CHLOROTOXIN DOMAIN**

[54] **RECEPTEURS D'ANTIGENES CHIMERIQUES CONTENANT UN DOMAINE CHLOROTOXINE**

[72] BARISH, MICHAEL, US
[72] BROWN, CHRISTINE E., US
[72] FORMAN, STEPHEN J., US
[72] WANG, DONGRUI, US
[71] CITY OF HOPE, US
[85] 2018-04-12
[86] 2016-10-13 (PCT/US2016/056901)
[87] (WO2017/066481)
[30] US (62/241,021) 2015-10-13

[21] **3,001,835**
[13] A1

[51] **Int.Cl. E02B 7/04 (2006.01) E02B 7/20 (2006.01) E02B 8/06 (2006.01) E02B 9/00 (2006.01) F03B 13/00 (2006.01) F03B 13/08 (2006.01) F03B 15/04 (2006.01)**

[25] EN

[54] **A MODULAR VARIABLE-HEAD HYDROELECTRIC ENERGY CONVERSION SYSTEM**

[54] **SYSTEME MODULAIRE DE CONVERSION D'ENERGIE HYDROELECTRIQUE A HAUTEUR DE CHUTE VARIABLE**

[72] DUQUETTE, DAVID, US
[72] COX, CHAD, US
[71] LITTORAL POWER SYSTEMS INC., US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057162)
[87] (WO2017/066655)
[30] US (62/241,553) 2015-10-14

[21] **3,001,837**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/62 (2006.01) C09K 8/80 (2006.01) E21B 43/17 (2006.01)**

[25] EN

[54] **METHOD FOR FRACTURING A FORMATION**

[54] **PROCEDE POUR DE FRACTURATION D'UNE FORMATION**

[72] KOSTIC, NEBOJSA, US
[72] BIVENS, ERIC, US
[72] EAST, LOYD E., JR., US
[72] DUSTERHOFT, RONALD G., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-12
[86] 2015-11-12 (PCT/US2015/060431)
[87] (WO2017/082916)

[21] **3,001,838**
[13] A1

[51] **Int.Cl. A61F 2/40 (2006.01)**

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[54] **STEMLESS SHOULDER IMPLANT**

[54] **IMPLANT D'EPAULE SANS TIGE**

[72] NOLAN, DAVID, US
[72] HOPKINS, ANDREW, CH
[72] VANKOSKI, STEPHEN, US
[72] BRITTON, ORSA, CH
[71] ZIMMER, INC., US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/056935)
[87] (WO2017/066504)
[30] US (62/241,858) 2015-10-15

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[21] **3,001,839**
[13] A1

[51] **Int.Cl. H04M 3/493 (2006.01) G06F 21/50 (2013.01)**

[25] EN

[54] **CALL DETAIL RECORD ANALYSIS TO IDENTIFY FRAUDULENT ACTIVITY AND FRAUD DETECTION IN INTERACTIVE VOICE RESPONSE SYSTEMS**

[54] **ANALYSE D'ENREGISTREMENT DE DETAIL D'APPEL POUR IDENTIFIER UNE ACTIVITE FRAUDULEUSE ET DETECTION DE FRAUDE DANS DES SYSTEMES DE REPOSE VOCALE INTERACTIVE**

[72] BANDYOPADHYAY, RAJ, US
[72] CALHOUN, TELVIS, US
[72] BALASUBRAMANIYAN, VIJAY, US
[72] STRONG, SCOTT, US
[72] PATIL, KAILASH, US
[72] DEWEY, DAVID, US
[71] PINDROP SECURITY, INC., US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057154)
[87] (WO2017/066648)
[30] US (62/241,478) 2015-10-14
[30] US (62/371,103) 2016-08-04

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[13] A1

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[54] **IMPROVED FIRE PERFORMANCE FOR WOOD VENEER LAMINATED CEILING TILE**

[54] **TENUE AU FEU AMELIOREE POUR DALLE DE PLAFOND STRATIFIEE DE PLACAGE**

[72] BISCHER, MARSHA S., US
[72] KEHRER, KENNETH P., US
[72] LU, LIDA, US
[72] WANG, MICHELLE X., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2018-04-12
[86] 2016-10-26 (PCT/US2016/058847)
[87] (WO2017/075041)
[30] US (62/247,569) 2015-10-28

[21] **3,001,841**
[13] A1

[51] **Int.Cl. B01D 53/60 (2006.01) B01D 53/56 (2006.01) B01D 53/64 (2006.01) B01D 53/78 (2006.01) F23J 15/04 (2006.01)**

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[54] **SYSTEMS AND METHODS FOR REMOVING COMBUSTION PRODUCTS FROM A POWER GENERATION CYCLE**

[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE PRODUITS DE COMBUSTION A PARTIR D'UN CYCLE DE PRODUCTION D'ENERGIE**

[72] ALLAM, RODNEY JOHN, GB
[72] LU, XIJIA, US
[72] MARTIN, SCOTT THOMAS, US
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2018-04-12
[86] 2016-10-21 (PCT/US2016/058104)
[87] (WO2017/070466)
[30] US (62/244,411) 2015-10-21

[21] **3,001,843**
[13] A1

[51] **Int.Cl. B66C 1/12 (2006.01)**

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[54] **ELECTRONIC ROUNDSLING INSPECTION, LOAD MONITORING AND WARNING SYSTEM**

[54] **INSPECTION ELECTRONIQUE D'ELINGUE TUBULAIRE, SYSTEME DE SURVEILLANCE DE CHARGE ET D'AVERTISSEMENT**

[72] ST. GERMAIN, SCOTT, US
[72] D'ELIA, GREGORY, US
[72] UCKUN, SERDAR, US
[71] SLINGMAX TECHNOLOGIES LLC, US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/056949)
[87] (WO2017/066508)
[30] US (62/241,401) 2015-10-14
[30] US (62/278,109) 2016-01-13
[30] US (15/208,271) 2016-07-12

[21] **3,001,844**
[13] A1

[51] **Int.Cl. A61F 5/44 (2006.01) A61F 13/472 (2006.01) A61F 13/514 (2006.01) A61F 13/551 (2006.01) A61F 13/56 (2006.01) A61F 13/58 (2006.01)**

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[54] **FEMININE HYGIENE PRODUCTS AND APPARATUS AND METHODS FOR MAKING DISPOSABLE PRODUCTS**

[54] **PRODUITS D'HYGIENE FEMININE ET APPAREIL ET PROCEDES POUR LA FABRICATION DE PRODUITS JETABLES**

[72] PELLAND, JON ALLEN, US
[71] CURT G. JOA, INC., US
[85] 2018-04-12
[86] 2016-10-21 (PCT/US2016/058204)
[87] (WO2017/070530)
[30] US (62/245,626) 2015-10-23

[21] **3,001,846**
[13] A1

[51] **Int.Cl. B32B 27/32 (2006.01) B32B 27/08 (2006.01) B65D 65/40 (2006.01) C08J 5/18 (2006.01)**

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[54] **MULTI-LAYER FILM**

[54] **FILM MULTICOUCHE**

[72] WOLAK, PAUL Z., US
[71] BERRY PLASTICS CORPORATION, US
[85] 2018-04-12
[86] 2016-10-26 (PCT/US2016/058892)
[87] (WO2017/075069)
[30] US (62/246,961) 2015-10-27

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[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/532 (2006.01) G01N 33/536 (2006.01)**

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[54] **CYSTEINE REACTIVE PROBES AND USES THEREOF**

[54] **SONDES REACTIVES A LA CYSTEINE ET UTILISATIONS ASSOCIEES**

[72] CRAVATT, BENJAMIN F., US
[72] BACKUS, KERIANN M., US
[72] CORREIA, BRUNO E., CH
[72] BLEWETT, MEGAN M., US
[72] TEIJARO, JOHN R., US
[71] THE SCRIPPS RESEARCH INSTITUTE, US

[85] 2018-04-12
[86] 2016-10-21 (PCT/US2016/058308)
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[30] US (62/244,881) 2015-10-22
[30] US (62/345,710) 2016-06-03

[21] **3,001,848**
[13] A1

[51] **Int.Cl. B05D 1/40 (2006.01) B05D 1/42 (2006.01) B28B 11/04 (2006.01) B28B 11/08 (2006.01)**

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[54] **VERSATILE PROCESS FOR PRECISION NANOSCALE MANUFACTURING**

[54] **PROCEDE POLYVALENT POUR LA FABRICATION NANOMETRIQUE DE PRECISION**

[72] SREENIVASAN, SIDLGATA V., US
[72] SINGHAL, SHRAWAN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057008)
[87] (WO2017/066546)
[30] US (62/242,147) 2015-10-15

[21] **3,001,849**
[13] A1

[51] **Int.Cl. F16L 11/04 (2006.01) F16L 11/08 (2006.01) F16L 11/20 (2006.01)**

[25] EN

[54] **FUEL HOSE WITH RUBBER COVER LAYER**

[54] **TUYAU SOUPLE DE CARBURANT A COUCHE DE RECOUVREMENT EN CAOUTCHOUC**

[72] HATHAWAY, COLLEEN MARIE, US
[72] CLARK, GINA THERESA, US
[71] EATON INTELLIGENT POWER LIMITED, IE

[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057011)
[87] (WO2017/066548)
[30] US (62/242,014) 2015-10-15

[21] **3,001,850**
[13] A1

[51] **Int.Cl. C07C 211/63 (2006.01) A61K 31/13 (2006.01) A61K 31/4188 (2006.01) C07D 491/048 (2006.01)**

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[54] **SOLABEGRON ZWITTERION AND USES THEREOF**

[54] **ZWITTERION DE SOLABEGRON ET SES UTILISATIONS**

[72] STEVENS, RAYMOND E., US
[72] ZHAO, DALIAN, US
[72] MOBELE, BINGIDIMI ITUTE, US
[71] VELICEPT THERAPEUTICS, INC., US

[85] 2018-04-12
[86] 2016-10-24 (PCT/US2016/058516)
[87] (WO2017/070689)
[30] US (62/245,670) 2015-10-23
[30] US (62/245,656) 2015-10-23
[30] US (62/345,327) 2016-06-03
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[30] US (62/345,574) 2016-06-03

[21] **3,001,851**
[13] A1

[51] **Int.Cl. A61K 31/167 (2006.01) A61K 9/00 (2006.01) A61K 9/20 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **METHODS OF TREATING PAIN OR FEVER USING PHARMACEUTICALLY ACTIVE ACETAMINOPHEN DIMERS LINKED THROUGH PHENOLIC HYDROXYL GROUPS**

[54] **PROCEDES DE TRAITEMENT DE LA DOULEUR OU DE LA FIEVRE AU MOYEN DE DIMERES D'ACETAMINOPHENE PHARMACEUTIQUEMENT ACTIFS LIES PAR L'INTERMEDIAIRE DE GROUPES HYDROXYLE PHENOLIQUES**

[72] SINGH, NIKHILESH NIHALA, US
[71] ORPHOMED, INC., US

[85] 2018-04-12
[86] 2016-10-25 (PCT/US2016/058588)
[87] (WO2017/074899)
[30] US (14/922,362) 2015-10-26

[21] **3,001,852**
[13] A1

[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **MODIFICATION OF RNA-RELATED ENZYMES FOR ENHANCED PRODUCTION**

[54] **MODIFICATION D'ENZYMES APPARENTEES A L'ARN POUR UNE PRODUCTION AMELIOREE**

[72] STRACK-LOGUE, BETTINA, US
[72] DEROSA, FRANK, US
[72] HEARTLEIN, MICHAEL, US
[71] TRANSLATE BIO, INC., US

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[86] 2016-10-14 (PCT/US2016/057044)
[87] (WO2017/066573)
[30] US (62/241,350) 2015-10-14

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[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01)**
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[54] **NUCLEIC ACID BASED TIA-1 INHIBITORS**
[54] **INHIBITEURS DE TIA-1 A BASE D'ACIDE NUCLEIQUE**
[72] LARSEN, GLENN R., US
[72] WOLOZIN, BENJAMIN, US
[72] VANDERWEYDE, TARA, US
[72] APICCO, DANIEL J., US
[71] AQUINNAH PHARMACEUTICALS, INC., US
[71] TRUSTEES OF BOSTON UNIVERSITY, US
[71] LARSEN, GLENN R., US
[71] WOLOZIN, BENJAMIN, US
[71] VANDERWEYDE, TARA, US
[71] APICCO, DANIEL J., US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057164)
[87] (WO2017/066657)
[30] US (62/241,535) 2015-10-14
[30] US (62/331,795) 2016-05-04

[21] **3,001,855**
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[51] **Int.Cl. B64D 17/80 (2006.01) B64C 9/32 (2006.01) B64C 25/56 (2006.01) B64C 27/08 (2006.01) B64D 17/00 (2006.01)**
[25] EN
[54] **PARACHUTE CONTROL SYSTEM FOR AN UNMANNED AERIAL VEHICLE**
[54] **SYSTEME DE COMMANDE DE PARACHUTE DESTINE A UN VEHICULE AERIEN SANS PILOTE**
[72] FATHALLAH, MICHEL, US
[72] SWEENEY, MATTHEW, US
[72] BASS, TOM, US
[72] BADDAM, KRANTHI, US
[72] FOGGIA, JOHN R., US
[71] FLIRTEY HOLDINGS, INC., US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057171)
[87] (WO2017/066662)
[30] US (62/241,572) 2015-10-14
[30] US (62/344,514) 2016-06-02

[21] **3,001,857**
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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/404 (2006.01) A61K 31/437 (2006.01) A61K 31/445 (2006.01) A61K 31/4525 (2006.01) A61K 31/4535 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 407/12 (2006.01) C07D 407/14 (2006.01) C07D 409/12 (2006.01) C07D 413/12 (2006.01)**
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[54] **COMPOUNDS, COMPOSITIONS AND METHODS OF USE AGAINST STRESS GRANULES**
[54] **COMPOSES, COMPOSITIONS ET METHODES D'UTILISATION CONTRE DES GRANULES DE STRESS**
[72] LARSEN, GLENN R., US
[72] WEIGELE, MANFRED, US
[72] VACCA, JOSEPH P., US
[72] BURNETT, DUANE A., US
[72] RIPKA, AMY, US
[71] AQUINNAH PHARMACEUTICALS, INC., US
[85] 2018-04-12
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[30] US (62/241,653) 2015-10-14

[21] **3,001,854**
[13] A1

[51] **Int.Cl. C09K 8/42 (2006.01) E21B 33/13 (2006.01) E21B 33/138 (2006.01)**
[25] EN
[54] **RARE EARTH-CONTAINING COMPOUNDS TO ENHANCE PERFORMANCE OF DOWNHOLE TREATMENT COMPOSITIONS**
[54] **COMPOSES CONTENANT DES TERRES RARES POUR AMELIORER LES PERFORMANCES DE COMPOSITIONS DE TRAITEMENT DE FOND DE PUIITS**
[72] BRYANT, SHANNON E., US
[72] BHADURI, SUMIT, US
[72] MONROE, TERRY D., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057056)
[87] (WO2017/070016)
[30] US (14/918,637) 2015-10-21

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[13] A1

[51] **Int.Cl. A61B 17/17 (2006.01) A61B 17/80 (2006.01)**
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[54] **PATELLA FRACTURE REDUCTION PLATES**
[54] **PLAQUES DE REDUCTION DE FRACTURE DE LA ROTULE**
[72] RICKER, LAUREN, US
[72] HORWITZ, DANIEL, US
[72] SANDERS, ROY, US
[72] DZIADOSZ, DAN, US
[72] GIANNOUDIS, PETER, GB
[71] BIOMET MANUFACTURING, LLC, US
[71] BIOMET TRAUMA, LLC, US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/057193)
[87] (WO2017/066682)
[30] US (62/241,863) 2015-10-15

[21] **3,001,858**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) B25J 15/08 (2006.01) B25J 15/10 (2006.01) G05B 19/18 (2006.01)**
[25] EN
[54] **AUTOMATED COMPOUNDING EQUIPMENT FOR CLOSED FLUID TRANSFER SYSTEM**
[54] **EQUIPEMENT DE COMPOUNDAGE AUTOMATISE POUR SYSTEME DE TRANSFERT DE FLUIDE FERME**
[72] GARFIELD, JARED, US
[72] SCHRAMM, DANA, US
[72] LYON, GREGORY, US
[72] SCHULER, SCOTT, US
[71] J&J SOLUTIONS, INC. D/B/A CORVIDA MEDICAL, US
[85] 2018-04-12
[86] 2016-10-13 (PCT/US2016/056776)
[87] (WO2017/066406)
[30] US (62/240,650) 2015-10-13

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[21] **3,001,859**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 5/0783 (2010.01) C07K 14/725 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INHIBITION OF LINEAGE SPECIFIC ANTIGENS**

[54] **COMPOSITIONS ET METHODES D'INHIBITION D'ANTIGENES SPECIFIQUES A UNE LIGNEE**

[72] MUKHERJEE, SIDDHARTHA, US

[72] MAHMOOD ALI, ABDULLAH, US

[72] BOROT, FLORENCE, US

[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US

[85] 2018-04-12

[86] 2016-10-17 (PCT/US2016/057339)

[87] (WO2017/066760)

[30] US (62/242,685) 2015-10-16

[21] **3,001,861**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) B65F 1/16 (2006.01)**

[25] EN

[54] **FLUID COLLECTION SYSTEMS**

[54] **SYSTEMES DE COLLECTE DE FLUIDE**

[72] CHANG, STEPHANY, US

[72] CUNDIEFF, DOUGLAS A., US

[72] LAW, KOK HERN, SG

[72] LIE, WEI CHEN, SG

[72] WEGENER, SARA K., US

[72] WEINBERG, ROBERT J., US

[72] ANG, YI LIN, SG

[72] KALYANKAR, VARSHA, US

[71] ALLEGIANCE CORPORATION, US

[85] 2018-04-12

[86] 2016-10-17 (PCT/US2016/057413)

[87] (WO2017/066798)

[30] US (62/242,869) 2015-10-16

[21] **3,001,864**
[13] A1

[51] **Int.Cl. C08K 5/17 (2006.01) C08G 8/28 (2006.01) C08G 14/06 (2006.01) C08J 5/12 (2006.01) C08L 61/14 (2006.01) C08L 61/34 (2006.01) C09J 5/06 (2006.01) C09J 161/06 (2006.01) C09J 161/14 (2006.01) C09J 161/34 (2006.01) C09J 163/00 (2006.01)**

[25] EN

[54] **STRUCTURAL ADHESIVE COMPOSITIONS**

[54] **COMPOSITIONS ADHESIVES STRUCTURALES**

[72] NAKAJIMA, MASAYUKI, US

[72] ZHOU, HONGYING, US

[72] CHAO, TIEN-CHIEH, US

[72] SWARUP, SHANTI, US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2018-04-12

[86] 2016-10-18 (PCT/US2016/057498)

[87] (WO2017/070097)

[30] US (14/887,353) 2015-10-20

[21] **3,001,860**
[13] A1

[51] **Int.Cl. A61D 7/00 (2006.01) A01K 13/00 (2006.01) A61D 1/02 (2006.01)**

[25] EN

[54] **AUTOMATED CAGED BIRD SPRAY APPLICATOR SYSTEM**

[54] **SYSTEME AUTOMATISE DE PULVERISATEUR POUR OISEAUX EN CAGE**

[72] LESLIE, CHRISTOPHER DAVIS, US

[72] BARRANON, FRANCISCO JAVIER ROJO, MX

[72] ESPINOSA, HECTOR VALDEMAR GARCIA, MX

[71] MERIAL, INC., US

[85] 2018-04-12

[86] 2016-10-13 (PCT/US2016/056859)

[87] (WO2017/066457)

[30] US (62/240,926) 2015-10-13

[21] **3,001,862**
[13] A1

[51] **Int.Cl. H01R 9/05 (2006.01) H01R 13/6592 (2011.01) H01R 24/38 (2011.01) H01R 13/62 (2006.01)**

[25] EN

[54] **CONNECTORS FOR USE IN HIGH PRESSURE COAX CORE EJECTION AND FIBER OPTIC CABLE INJECTION**

[54] **RACCORDS UTILISES DANS L'EJECTION D'UNE AME DE CABLE COAXIAL HAUTE PRESSION ET L'INJECTION DE CABLE DE FIBRES OPTIQUES**

[72] PURDY, ERIC J., US

[72] MARONEY, RICHARD, US

[71] PPC BROADBAND, INC., US

[85] 2018-04-12

[86] 2016-10-17 (PCT/US2016/057430)

[87] (WO2017/066809)

[30] US (62/242,987) 2015-10-16

[21] **3,001,865**
[13] A1

[51] **Int.Cl. A61L 31/04 (2006.01) A61B 42/10 (2016.01) A61L 31/14 (2006.01)**

[25] EN

[54] **WATER-BASED HYDROGEL BLEND COATING AND METHOD OF APPLICATION TO ELASTOMERIC ARTICLES**

[54] **REVETEMENT A BASE DE MELANGE D'HYDROGELS A BASE D'EAU ET PROCEDE D'APPLICATION SUR DES ARTICLES ELASTOMERES**

[72] WOO, CHOON KONG, MY

[72] CHONG, CHUANG SIM, MY

[72] DANGSEYUN, NUJALEE, TH

[72] WANNAWONG, PANOR, TH

[71] ALLEGIANCE CORPORATION, US

[85] 2018-04-12

[86] 2016-10-18 (PCT/US2016/057503)

[87] (WO2017/070100)

[30] US (62/243,116) 2015-10-18

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[21] **3,001,866**
[13] A1

[51] **Int.Cl. C09D 5/08 (2006.01) C07F 7/08 (2006.01) C07F 7/18 (2006.01) C10M 173/00 (2006.01) C23F 11/14 (2006.01)**

[25] EN

[54] **AMINE-FUNCTIONALIZED ORGANOSILANE/FATTY ACID COMBINATION SYSTEMS AS STAIN/CORROSION INHIBITORS FOR THE APPLICATION ON ALUMINUM AND ITS ALLOYS**

[54] **SYSTEMES DE COMBINAISON D'ORGANOSILANE FONCTIONNALISE PAR AMINE/ACIDE GRAS, EN TANT QU'INHIBITEURS DE CORROSION/TEINTURE POUR L'APPLICATION SUR L'ALUMINIUM ET SES ALLIAGES**

[72] KIM, HOON, US
[72] ASCENZO, RONALD, US
[71] CHEMETALL US, INC., US
[85] 2018-04-12
[86] 2016-10-19 (PCT/US2016/057589)
[87] (WO2017/070140)
[30] US (62/244,401) 2015-10-21

[21] **3,001,867**
[13] A1

[51] **Int.Cl. E03C 1/00 (2006.01) E03C 1/02 (2006.01) E03C 1/042 (2006.01)**

[25] EN

[54] **FAUCET INCLUDING AN OPEN WATERWAY**

[54] **ROBINET COMPRENANT UNE VOIE D'EAU OUVERTE**

[72] EADS, THAD J., US
[72] ROSKO, MICHAEL SCOT, US
[72] DAVIDSON, KYLE ROBERT, US
[72] HAYES, GERALD R., US
[71] DELTA FAUCET COMPANY, US
[85] 2018-04-12
[86] 2016-10-19 (PCT/US2016/057742)
[87] (WO2017/070232)
[30] US (62/243,414) 2015-10-19

[21] **3,001,868**
[13] A1

[51] **Int.Cl. B21D 39/02 (2006.01)**

[25] EN

[54] **END CAP SEAMING APPARATUS AND METHOD FOR SEAMING AN END CAP**

[54] **APPAREIL DE SERTISSAGE DE CAPUCHON D'EXTREMITE ET PROCEDE POUR SERTIR UN CAPUCHON D'EXTREMITE**

[72] EVANS, PHIL, CA
[72] FARRACE, VICTOR H., CA
[72] WATSON, DAVID, CA
[71] ADMC HOLDING, LLC, US
[85] 2018-04-12
[86] 2016-10-20 (PCT/US2016/057847)
[87] (WO2017/070306)
[30] US (14/918,387) 2015-10-20

[21] **3,001,869**
[13] A1

[51] **Int.Cl. G06F 17/20 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR FACILITATING CUSTOMER INTENT PREDICTION**

[54] **PROCEDE ET APPAREIL POUR FACILITER UNE PREDICTION D'INTENTION DE CLIENT**

[72] WALIA, ANMOL, US
[71] 24/7 CUSTOMER, INC., US
[85] 2018-04-12
[86] 2016-10-26 (PCT/US2016/058908)
[87] (WO2017/075081)
[30] US (62/246,544) 2015-10-26

[21] **3,001,870**
[13] A1

[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 43/40 (2006.01) A01N 47/24 (2006.01) A01N 53/00 (2006.01)**

[25] EN

[54] **LIQUID PESTICIDAL COMPOSITION**

[54] **COMPOSITION PESTICIDE LIQUIDE**

[72] KLIMA, RODNEY F., US
[72] FIGLEY, TIMOTHY M., US
[71] BASF SE, DE
[85] 2018-04-12
[86] 2016-10-20 (PCT/US2016/057883)
[87] (WO2017/070327)
[30] US (62/244,427) 2015-10-21

[21] **3,001,872**
[13] A1

[51] **Int.Cl. B61F 5/26 (2006.01) B61F 5/32 (2006.01) B61F 5/50 (2006.01)**

[25] EN

[54] **RAILROAD CAR ROLLER BEARING ADAPTER ASSEMBLY**

[54] **ENSEMBLE ADAPTATEUR DE ROULEMENT A ROULEAU POUR WAGON DE CHEMIN DE FER**

[72] GOLEMBIEWSKI, RONALD D., US
[72] EAST, DAVID M., US
[72] BURKE, MICHAEL K., US
[72] PEACH, WALTER J., US
[71] STANDARD CAR TRUCK COMPANY, US
[85] 2018-04-12
[86] 2016-10-31 (PCT/US2016/059653)
[87] (WO2017/079076)
[30] US (62/251,381) 2015-11-05
[30] US (15/290,782) 2016-10-11

[21] **3,001,875**
[13] A1

[51] **Int.Cl. G06K 7/10 (2006.01)**

[25] EN

[54] **INTEGRATION OF POSITION SENSOR WITH RF READER**

[54] **INTEGRATION DE CAPTEUR DE POSITION DANS UN LECTEUR RADIOFREQUENCE (RF)**

[72] BUSCH-SORENSEN, THOMAS, US
[72] BEHROOZNIYA, RASHEED, US
[71] CUBIC CORPORATION, US
[85] 2018-04-12
[86] 2016-11-02 (PCT/US2016/059981)
[87] (WO2017/079192)
[30] US (62/249,742) 2015-11-02
[30] US (15/340,693) 2016-11-01

[21] **3,001,876**
[13] A1

[51] **Int.Cl. A61B 18/08 (2006.01) A61B 5/053 (2006.01) A61B 18/00 (2006.01)**

[25] EN

[54] **SPINAL TISSUE ABLATION APPARATUS, SYSTEM, AND METHOD**

[54] **APPAREIL, SYSTEME ET PROCEDE D'ABLATION DE TISSU RACHIDIEN**

[72] LEE, STEPHEN W., US
[72] SMITH, MICHAEL A., US
[72] DUEIRI, DAWUD F., US
[71] KYPHON SARL, CH
[85] 2018-04-12
[86] 2016-11-11 (PCT/US2016/061557)
[87] (WO2017/087272)
[30] US (14/943,264) 2015-11-17

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[21] **3,001,877**
[13] A1

[51] **Int.Cl. B03D 1/02 (2006.01) B03D 1/012 (2006.01) B03D 1/016 (2006.01)**

[25] EN

[54] **METHODS, DEVICES, SYSTEMS AND PROCESSES FOR UPGRADING IRON OXIDE CONCENTRATES USING REVERSE FLOTATION OF SILICA AT A NATURAL PH**

[54] **PROCEDES, DISPOSITIFS, SYSTEMES ET PROCESSUS D'AMELIORATION DE CONCENTRES D'OXYDE DE FER EN UTILISANT LA FLOTTATION INVERSE DE SILICE A UN PH NATUREL**

[72] SILVA, RONNEY ROGERIO RODRIGUEZ, US

[72] SGARLATA, JONATHAN, US

[72] CARLSON, JUSTIN, US

[71] MAGGLOBAL, LLC, US

[85] 2018-04-12

[86] 2016-11-02 (PCT/US2016/060091)

[87] (WO2017/079276)

[30] US (62/250,455) 2015-11-03

[21] **3,001,878**
[13] A1

[51] **Int.Cl. C07K 16/10 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **ANTIBODY NEUTRALIZING HUMAN RESPIRATORY SYNCYTIAL VIRUS**

[54] **ANTICORPS NEUTRALISANT LE VIRUS SYNCYTIAL RESPIRATOIRE HUMAIN**

[72] VORA, KALPIT A., US

[72] COX, KARA S., US

[72] TANG, AIMIN, US

[72] CHEN, ZHIFENG, US

[72] DISTEFANO, DANIEL, US

[72] ZHANG, LAN, US

[72] SU, HUA-POO, US

[71] MERCK SHARP & DOHME CORP., US

[85] 2018-04-12

[86] 2016-10-27 (PCT/US2016/058975)

[87] (WO2017/075124)

[30] US (62/247,841) 2015-10-29

[30] US (62/367,359) 2016-07-27

[21] **3,001,879**
[13] A1

[51] **Int.Cl. A61K 31/164 (2006.01) A61K 31/337 (2006.01) A61K 31/495 (2006.01) A61K 31/505 (2006.01) A61P 25/02 (2006.01)**

[25] EN

[54] **HDAC INHIBITORS FOR THE TREATMENT OF DIABETIC PERIPHERAL NEUROPATHY**

[54] **INHIBITEURS D'HDAC POUR LE TRAITEMENT DE LA NEUROPATHIE PERIPHERIQUE DIABETIQUE**

[72] GOLONZHKA, OLGA, US

[72] JARPE, MATTHEW B., US

[71] ACETYLON PHARMACEUTICALS, INC., US

[85] 2018-04-12

[86] 2016-10-27 (PCT/US2016/059075)

[87] (WO2017/075192)

[30] US (62/246,965) 2015-10-27

[30] US (62/281,990) 2016-01-22

[21] **3,001,880**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4523 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATION OF BCL-2 INHIBITOR AND MEK INHIBITOR FOR THE TREATMENT OF CANCER**

[54] **ASSOCIATION D'UN INHIBITEUR DE BCL-2 ET D'UN INHIBITEUR DE MEK POUR LE TRAITEMENT DU CANCER**

[72] MERCHANT, MARK, US

[72] SAMPATH, DEEPAK, US

[72] KONOPLEVA, MARINA YURIEVNA, US

[72] HAN, LINA, US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[71] GENENTECH, INC., US

[85] 2018-04-12

[86] 2016-11-03 (PCT/US2016/060271)

[87] (WO2017/079399)

[30] US (62/250,231) 2015-11-03

[30] US (62/263,082) 2015-12-04

[21] **3,001,881**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01)**

[25] EN

[54] **ASEPTIC AEROSOL MISTING DEVICE**

[54] **PULVERISATEUR D'AEROSOL ASEPTIQUE**

[72] PAUNESCU, ALEXANDRU, US

[72] RYTEL, JOHN, US

[72] MENKE, JAMES C., US

[71] JOHNSON & JOHNSON CONSUMER INC., US

[85] 2018-04-12

[86] 2016-10-28 (PCT/US2016/059265)

[87] (WO2017/075314)

[30] US (62/248,682) 2015-10-30

[21] **3,001,882**
[13] A1

[51] **Int.Cl. C07C 311/05 (2006.01) A61K 31/18 (2006.01)**

[25] EN

[54] **POLYAMINE SULFONAMIDES AND USES THEREOF**

[54] **SULFONAMIDES DE POLYAMINE ET LEURS UTILISATIONS**

[72] COGLE, CHRISTOPHER R., US

[72] MEACHAM, AMY M., US

[72] SAYESKI, PETER P., US

[72] GIULIANOTTI, MARCELLO A., US

[72] HOUGHTEN, RICHARD A., US

[72] WELMARKER, GREGORY S., US

[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US

[71] TORREY PINES INSTITUTE FOR MOLECULAR STUDIES, US

[85] 2018-04-12

[86] 2016-11-04 (PCT/US2016/060598)

[87] (WO2017/079609)

[30] US (62/250,983) 2015-11-04

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[21] **3,001,883**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) E05F 1/10 (2006.01)**
[25] EN
[54] **OVERHEAD LUGGAGE COMPARTMENT FOR AN AIRCRAFT**
[54] **STRUCTURE SUSPENDUE DE COMPARTIMENT POUR BAGAGES POUR AERONEF**
[72] SCHORKHUBER, JAKOB, AT
[71] FACC AG, AT
[85] 2018-04-13
[86] 2016-11-03 (PCT/AT2016/060097)
[87] (WO2017/075640)
[30] AT (A 50929/2015) 2015-11-03

[21] **3,001,884**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) B05B 17/06 (2006.01)**
[25] EN
[54] **ASEPTIC AEROSOL MISTING DEVICE**
[54] **NEBULISEUR D'AEROSOL ASEPTIQUE**
[72] PAUNESCU, ALEXANDRU, US
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2018-04-12
[86] 2016-10-28 (PCT/US2016/059270)
[87] (WO2017/075318)
[30] US (62/248,699) 2015-10-30

[21] **3,001,885**
[13] A1

[51] **Int.Cl. A01N 31/02 (2006.01) A01M 1/00 (2006.01) A01P 17/00 (2006.01) A01P 19/00 (2006.01)**
[25] EN
[54] **MOSQUITO ACTIVATING FORMULATIONS**
[54] **FORMULATIONS D'EXCITATION DES MOUSTIQUES**
[72] BERNA, AMALIA, AU
[72] TROWELL, STEPHEN, AU
[72] MCCARTHY, JAMES, AU
[72] SIKULU, MAGGY, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[71] THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2018-04-13
[86] 2016-10-14 (PCT/AU2016/050966)
[87] (WO2017/063046)
[30] AU (2015904254) 2015-10-16

[21] **3,001,886**
[13] A1

[51] **Int.Cl. G06Q 50/00 (2012.01) G06F 19/00 (2018.01)**
[25] EN
[54] **CONDUCTING A MAINTENANCE ACTIVITY ON AN ASSET**
[54] **EXECUTION D'UNE ACTIVITE DE MAINTENANCE SUR UNE RESSOURCE**
[72] AIT MANSOUR, ZOUBIR, AU
[71] SUEZ WATER & TREATMENT SOLUTIONS PTY LTD, AU
[85] 2018-04-13
[86] 2016-12-22 (PCT/AU2016/051270)
[87] (WO2017/106919)
[30] AU (2015905372) 2015-12-23

[21] **3,001,887**
[13] A1

[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/142 (2006.01) A61M 5/38 (2006.01)**
[25] EN
[54] **SYSTEMS FOR FLUID DELIVERY WITH WICKING MEMBRANE**
[54] **SYSTEMES DE DISTRIBUTION DE FLUIDE MUNIS D'UNE MEMBRANE A EFFET DE MECHE**
[72] GROVER, BENJAMIN A., US
[72] ALI, SHERIF M., US
[71] MEDTRONIC MINIMED, INC., US
[85] 2018-04-12
[86] 2016-11-18 (PCT/US2016/062835)
[87] (WO2017/091469)
[30] US (14/952,068) 2015-11-25

[21] **3,001,888**
[13] A1

[51] **Int.Cl. H04N 19/105 (2014.01) H04N 19/119 (2014.01) H04N 19/136 (2014.01) H04N 19/176 (2014.01) H04N 19/513 (2014.01)**
[25] EN
[54] **LAST FRAME MOTION VECTOR PARTITIONING**
[54] **PARTITIONNEMENT DE VECTEUR DE MOUVEMENT DE DERNIERE TRAME**
[72] BANKOSKI, JAMES, US
[72] MUKHERJEE, DEBARGHA, US
[72] XU, YAOWU, US
[71] GOOGLE LLC, US
[85] 2018-04-12
[86] 2016-12-22 (PCT/US2016/068220)
[87] (WO2017/131904)
[30] US (15/011,415) 2016-01-29

[21] **3,001,889**
[13] A1

[51] **Int.Cl. H04L 29/12 (2006.01) H04W 48/18 (2009.01)**
[25] EN
[54] **GATEWAY SELECTION CONTROLLED BY NETWORK**
[54] **SELECTION DE PASSERELLE COMMANDEE PAR RESEAU**
[72] BUCKLEY, ADRIAN, US
[72] BAKKER, JAN HENDRIK LUCAS, US
[72] RUSSELL, NICHOLAS JAMES, GB
[71] BLACKBERRY LIMITED, CA
[85] 2018-04-12
[86] 2016-09-02 (PCT/US2016/050243)
[87] (WO2017/082996)
[30] US (62/253,636) 2015-11-10
[30] US (15/254,018) 2016-09-01

[21] **3,001,890**
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/496 (2006.01) A61P 25/02 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07D 471/08 (2006.01)**
[25] EN
[54] **SELECTIVE NR2B ANTAGONISTS**
[54] **ANTAGONISTES SELECTIFS DE NR2B**
[72] ISLAM, IMADUL, US
[72] THANGATHIRUPATHY, SRINIVASAN, IN
[72] WARRIER, JAYAKUMAR SANKARA, IN
[72] CHERUKU, SRINIVAS, IN
[72] SHETTY, POORNIMA, IN
[72] GUPTA, GRANDHI VENKAT RAM KRISHNA MOHAN, IN
[72] MACOR, JOHN E., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2018-04-12
[86] 2016-10-13 (PCT/US2016/056714)
[87] (WO2017/066366)
[30] IN (3308/DEL/2015) 2015-10-14

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[21] **3,001,891**
[13] A1

[51] **Int.Cl. G06K 9/46 (2006.01)**
[25] EN
[54] **WILDFIRE AERIAL FIGHTING SYSTEM UTILIZING LIDAR**
[54] **SYSTEME DE LUTTE AERIENNE CONTRE LES FEUX**
INCONTROLES UTILISANT UN LIDAR
[72] DOTEN, LEONARD E., US
[71] DOTEN, LEONARD E., US
[85] 2018-04-12
[86] 2016-10-06 (PCT/US2016/000083)
[87] (WO2017/062051)
[30] US (14/879,818) 2015-10-09

[21] **3,001,893**
[13] A1

[51] **Int.Cl. B61L 23/14 (2006.01) B61H 9/00 (2006.01) B61H 13/34 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **TRAIN CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE TRAIN**
[72] OSWALD, JAMES A., US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[85] 2018-04-12
[86] 2016-05-19 (PCT/US2016/033179)
[87] (WO2017/065834)
[30] US (14/882,925) 2015-10-14

[21] **3,001,894**
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/4439 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61K 31/5355 (2006.01) A61P 25/02 (2006.01) A61P 25/16 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **SELECTIVE NR2B ANTAGONISTS**
[54] **ANTAGONISTES SELECTIFS DE NR2B**
[72] ISLAM, IMADUL, US
[72] THANGATHIRUPATHY, SRINIVASAN, IN
[72] WARRIER, JAYAKUMAR SANKARA, IN
[72] CHERUKU, SRINIVAS, IN
[72] SHETTY, POORNIMA, IN
[72] MACOR, JOHN E., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2018-04-12
[86] 2016-10-13 (PCT/US2016/056716)
[87] (WO2017/066368)
[30] IN (3309/DEL/2015) 2015-10-14

[21] **3,001,895**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/06 (2006.01) F16K 1/34 (2006.01)**
[25] EN
[54] **A FLOW CONTROL AND INJECTION ARRANGEMENT AND METHOD**
[54] **SYSTEME ET PROCEDE D'INJECTION ET DE REGULATION DE DEBIT**
[72] NGUYEN, NELSON, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-04-12
[86] 2016-09-14 (PCT/US2016/051637)
[87] (WO2017/065912)
[30] US (14/885,423) 2015-10-16

[21] **3,001,897**
[13] A1

[51] **Int.Cl. E21B 7/20 (2006.01) E21B 23/00 (2006.01) E21B 23/01 (2006.01) E21B 23/02 (2006.01) E21B 23/03 (2006.01)**
[25] EN
[54] **POSITIONING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT**
[72] CLEVEN, PETER KRIS, CA
[71] ANTONSEN, ROGER, US
[71] CLEVEN, PETER KRIS, CA
[85] 2018-04-12
[86] 2016-09-28 (PCT/US2016/054157)
[87] (WO2017/065974)
[30] NO (NO20151396) 2015-10-14

[21] **3,001,898**
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/17 (2006.01) A61B 17/56 (2006.01) A61B 17/70 (2006.01) A61B 17/88 (2006.01) A61F 2/00 (2006.01) A61F 2/44 (2006.01)**
[25] EN
[54] **PATIENT-MATCHED APPARATUS AND METHODS FOR PERFORMING SURGICAL PROCEDURES**
[54] **APPAREIL DE MISE EN CORRESPONDANCE DE PATIENTS ET PROCEDES D'EXECUTION DE PROCEDURES CHIRURGICALES**
[72] FREY, GEORGE, US
[72] GINZBURG, PAUL, US
[72] LAI, GEOFF, US
[72] VOELKEL, CALEB, US
[72] KANA, GREGORY COOKE, US
[72] STARKMAN, SEAN, US
[71] MIGHTY OAK MEDICAL, INC., US
[85] 2018-04-12
[86] 2016-10-14 (PCT/US2016/056970)
[87] (WO2017/066518)
[30] US (14/883,299) 2015-10-14
[30] US (62/287,134) 2016-01-26
[30] US (62/362,440) 2016-07-14
[30] US (62/373,855) 2016-08-11

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[21] **3,001,899**
[13] A1

[51] **Int.Cl. G06F 19/00 (2018.01) G06F 3/13 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING AUTHENTIC SIGNATURES ON DEMAND**
[54] **SYSTEME ET PROCEDE POUR FOURNIR DES SIGNATURES AUTHENTIQUES SUR DEMANDE**
[72] GIBSON, THOMAS MATTHEW MANN, CA
[72] DAVE, RAVI VIPOOL BALMUKUND, CA
[71] SYNGRAFII INC., CA
[85] 2018-04-13
[86] 2016-10-14 (PCT/CA2016/000260)
[87] (WO2017/063075)
[30] US (62/242,573) 2015-10-16

[21] **3,001,900**
[13] A1

[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/40 (2012.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR FACILITATING SECURE ELECTRONIC TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES POUR FACILITER DES TRANSACTIONS ELECTRONIQUES SECURISEES**
[72] COLHOUN, GRANT, CA
[72] FARAGO, DAVID, CA
[72] KENDALL, NOEL, CA
[71] COLHOUN, GRANT, CA
[85] 2018-04-13
[86] 2016-10-12 (PCT/CA2016/051187)
[87] (WO2017/063079)
[30] US (62/240,671) 2015-10-13

[21] **3,001,901**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) H04H 20/00 (2009.01) H04L 1/00 (2006.01) H04L 7/00 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROVIDING TIME SYNCHRONIZATION IN A DIGITAL TELEVISION SYSTEM**
[54] **PROCEDE ET APPAREIL DE MISE EN ŒUVRE DE SYNCHRONISATION TEMPORELLE DANS UN SYSTEME DE TELEVISION NUMERIQUE**
[72] STEWART, JOHN SIDNEY, US
[71] THOMSON LICENSING, FR
[85] 2018-04-12
[86] 2016-09-30 (PCT/US2016/054603)
[87] (WO2017/069924)
[30] US (62/243,300) 2015-10-19

[21] **3,001,902**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01) G06F 19/00 (2018.01) G09B 19/00 (2006.01)**
[25] EN
[54] **NUTRITION INTAKE TRACKER**
[54] **SUIVEUR D'APPORTS NUTRITIONNELS**
[72] BHATTACHARJEE, MANASH, US
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[72] SHUKEN, RANDY, US
[72] BODO, LORALEE J., US
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[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[87] (WO2017/065995)
[30] US (14/880,923) 2015-10-12

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[25] EN
[54] **THERAPEUTIC TARGETING OF CASEIN KINASE 1.DELTA. IN BREAST CANCER**
[54] **CIBLAGE THERAPEUTIQUE DE LA CASEINE KINASE 1.DELTA. DANS LE CANCER DU SEIN**
[72] ROUSH, WILLIAM R., US
[72] DUCKETT, DEREK R., US
[72] CLEVELAND, JOHN L., US
[72] ROSENBERG, LAURA H., GB
[71] THE SCRIPPS RESEARCH INSTITUTE, US
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[30] US (62/240,689) 2015-10-13

[21] **3,001,904**
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[25] EN
[54] **TELESCOPING VEHICLE SAFETY GUARD**
[54] **DISPOSITIF DE PROTECTION TELESCOPIQUE DE VEHICULE**
[72] BARRON, MARK B., US
[71] PUBLIC TRANSPORTATION SAFETY INT'L CORP., US
[85] 2018-04-12
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[30] US (14/884,422) 2015-10-15

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[54] **ERGONOMIC IV SYSTEMS AND METHODS**
[54] **PROCEDES ET SYSTEMES IV ERGONOMIQUES**
[72] BURKHOLZ, JONATHAN KARL, US
[72] PETERSON, BART D., US
[72] BORNHOFT, STEPHEN T., US
[72] CHIA, NEVILLE, SG
[72] SINGH, SIDDHARTH, SG
[72] SONDEREGGER, RALPH L., US
[72] WANG, BIN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[30] US (62/247,596) 2015-10-28
[30] US (62/247,599) 2015-10-28
[30] US (62/247,617) 2015-10-28
[30] US (62/247,607) 2015-10-28
[30] US (62/247,621) 2015-10-28
[30] US (62/247,624) 2015-10-28
[30] US (62/296,385) 2016-02-17
[30] US (62/296,383) 2016-02-17
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[13] A1

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[54] **COMPLIANT CATHETER ADAPTER AND COMPRESSION CAP**
[54] **ADAPTATEUR DE CATHETER SOUPLE ET CAPUCHON DE COMPRESSION**
[72] BURKHOLZ, JONATHAN KARL, US
[72] SONDEREGGER, RALPH L., US
[72] PETERSON, BART D., US
[72] WANG, BIN, US
[72] HU, OLIVIA, CN
[72] CHIA, NEVILLE, SG
[71] BECTON, DICKINSON AND COMPANY, US
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[30] US (62/247,626) 2015-10-28
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[13] A1

[51] **Int.Cl. C22C 21/00 (2006.01) B32B 15/01 (2006.01)**
[25] EN
[54] **HIGH-FORMING MULTI-LAYER ALUMINUM ALLOY PACKAGE**
[54] **EMBALLAGE EN ALLIAGE D'ALUMINIUM MULTICOUCHE A APTITUDE AU FORMAGE ELEVEE**
[72] FLOREY, GUILLAUME, CH
[72] BEZENCON, CYRILLE, CH
[72] BASSI, CORRADO, CH
[72] TIMM, JUERGEN, DE
[72] DESPOIS, JEAN-FRANCOIS, CH
[72] STADLIN, JACQUES, CH
[71] NOVELIS INC., US
[85] 2018-04-12
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[13] A1

[51] **Int.Cl. E04G 3/00 (2006.01)**
[25] EN
[54] **CABIN LIFT LOCKING MECHANISM**
[54] **MECANISME DE VERROUILLAGE DE CABINE DE LEVAGE**
[72] BEHRENS, RANDALL DEAN, US
[71] PREMIER COIL SOLUTIONS, INC., US
[85] 2018-04-12
[86] 2016-10-10 (PCT/US2016/056246)
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[54] **LABEL SHEET ASSEMBLY AND METHOD OF MAKING THE SAME**
[54] **ENSEMBLE FEUILLE D'ETIQUETTES ET SON PROCEDE DE FABRICATION**
[72] HONG, LE-HOA, US
[72] NOVAK, MICHAEL, US
[72] HODSDON, JERRY, US
[72] VILLEGAS, GILDARDO R., US
[72] VEYNA-HERNANDEZ, ALEJANDRO G., MX
[72] BRISEE, FLORENCE M., US
[72] UGOLICK, RONALD, US
[71] CCL LABEL, INC., US
[85] 2018-04-12
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[30] US (14/880,896) 2015-10-12

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[25] EN

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[54] **AGENTS DE TYPE ANTICORPS SPECIFIQUES DE L'ANTIGENE CD19 HUMAIN ET LEURS UTILISATIONS**

[72] LIU, HONG, US
[72] LU, JINGWEI, US
[72] YANG, ZHIYUAN, US
[72] LONG, LI, US
[72] CHENG, NEAL, US
[71] EUREKA THERAPEUTICS, INC., US
[85] 2018-04-12
[86] 2016-10-11 (PCT/US2016/056325)
[87] (WO2017/066136)
[30] US (62/240,624) 2015-10-13

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[13] A1

[51] **Int.Cl. B65H 59/00 (2006.01) B65H 59/16 (2006.01) B65H 59/38 (2006.01)**

[25] EN

[54] **PASSIVE TENSIONING SYSTEM FOR COMPOSITE MATERIAL PAYOUT CONTROL**

[54] **SYSTEME DE MISE EN TENSION PASSIF POUR COMMANDE DE DEROULEMENT DE MATERIAU COMPOSITE**

[72] BROCKMAN, JOHN, US
[72] VANIGLIA, MILO, US
[71] FIVES MACHINING SYSTEMS, INC., US
[85] 2018-04-12
[86] 2016-10-11 (PCT/US2016/056408)
[87] (WO2017/066178)
[30] US (14/881,480) 2015-10-13

[21] **3,001,912**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DYNAMIC AUTONOMOUS TRANSACTIONAL IDENTITY MANAGEMENT**

[54] **SYSTEMES ET PROCEDE POUR UNE GESTION D'IDENTITE DE TRANSACTION AUTONOME DYNAMIQUE**

[72] DUNLEVY, TIM, US
[72] GOSNELL, DENISE, US
[72] TANNER, THEODORE C., JR., US
[72] WHITEMIRE, THOMAS DIXON, IV, US
[71] POKITDOK, INC., US
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[13] A1

[51] **Int.Cl. A01N 33/12 (2006.01) A01N 25/10 (2006.01) A01N 47/44 (2006.01) A61L 2/00 (2006.01) A61L 29/00 (2006.01) A61L 31/00 (2006.01) A61L 33/00 (2006.01) C08K 5/00 (2006.01)**

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[54] **BIOCIDALLY ACTIVE POLYMER COMPOSITIONS**

[54] **COMPOSITIONS POLYMERES A ACTIVITE BIOCIDES**

[72] DAY, ROGER W., US
[72] ZHANG, HUA, US
[72] WOOFER, RICHARD, US
[72] MAKAL, UMIT G., US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2018-04-12
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[30] US (62/240,090) 2015-10-12

[21] **3,001,914**
[13] A1

[51] **Int.Cl. E21B 34/00 (2006.01) E21B 34/06 (2006.01) E21B 34/10 (2006.01) E21B 34/12 (2006.01) E21B 34/14 (2006.01)**

[25] EN

[54] **PILOT INSIDE A BALL SUITABLE FOR WELLBORE OPERATIONS**

[54] **PILOT A L'INTERIEUR D'UNE ROTULE APPROPRIEE POUR DES OPERATIONS DE PUIITS DE FORAGE**

[72] HAWKINS, SAMUEL P., III, US
[71] DRILLING INNOVATIVE SOLUTIONS, LLC, US
[85] 2018-04-12
[86] 2016-10-12 (PCT/US2016/056645)
[87] (WO2017/066324)
[30] US (14/880,929) 2015-10-12
[30] US (15/291,788) 2016-10-12

[21] **3,001,915**
[13] A1

[51] **Int.Cl. B01D 1/14 (2006.01) D21C 11/14 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **DIRECT STEAM GENERATION, ELECTRICAL POWER GENERATOR, SYSTEM, APPARATUS, AND METHOD**

[54] **GENERATION DE VAPEUR DIRECTE, GENERATEUR D'ENERGIE ELECTRIQUE, SYSTEME, APPAREIL ET PROCEDE**

[72] SKINNER, RAYMOND CLIFFORD DAVID, US
[72] REYNOLDS, ALAN CRAIG, US
[71] XDI HOLDINGS, LLC, US
[85] 2018-04-12
[86] 2016-10-12 (PCT/US2016/056646)
[87] (WO2017/066325)
[30] US (62/240,445) 2015-10-12

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[21] **3,001,916**
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[51] **Int.Cl. G01N 27/22 (2006.01) G01N 27/26 (2006.01) G01N 33/18 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR REGULATING CELL CULTURE BASED PRODUCTION OF BIOLOGICS**

[54] **SYSTEME ET PROCEDE DE REGULATION DE LA PRODUCTION DE COMPOSES BIOLOGIQUES BASEE SUR UNE CULTURE CELLULAIRE**

[72] POLLEY, REX, US

[72] SARCOPSKI, MATTHEW, US

[72] HORTON, ROBERT, US

[72] ELLIS, THOMAS, US

[72] PEASE, PAUL, US

[72] CHAPIN, JOHN, US

[71] LONZA LTD., CH

[85] 2018-04-12

[86] 2016-10-14 (PCT/US2016/057128)

[87] (WO2017/066630)

[30] US (62/242,758) 2015-10-16

[21] **3,001,917**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/074 (2010.01)**

[25] EN

[54] **PLATFORM FOR THE INDUCTION & MAINTENANCE OF GROUND STATE PLURIPOTENCY**

[54] **PLATE-FORME POUR L'INDUCTION ET LA MAINTENANCE DE LA PLURIPOTENCE A L'ETAT FONDAMENTAL**

[72] VALAMEHR, BAHRAM, US

[72] ROBINSON, MEGAN, US

[72] ABUJAROUR, RAMZEY, US

[71] FATE THERAPEUTICS, INC., US

[85] 2018-04-12

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[87] (WO2017/066634)

[30] US (62/242,842) 2015-10-16

[21] **3,001,918**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) G01N 33/53 (2006.01)**

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[54] **MULTIPLEXED LATERAL FLOW ASSAY SYSTEMS AND METHODS FOR THEIR USE**

[54] **SYSTEMES DE DOSAGE A ECOULEMENT LATERAL MULTIPLEXE ET LEURS PROCEDES D'UTILISATION**

[72] NEEDHAM, JAMES WILLIAM, US

[72] RAYCHAUDHURI, SYAMAL, US

[71] INBIOS INTERNATIONAL, INC., US

[85] 2018-04-12

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[87] (WO2017/066645)

[30] US (62/242,213) 2015-10-15

[21] **3,001,919**
[13] A1

[51] **Int.Cl. C09J 163/00 (2006.01) B60P 7/06 (2006.01) B65D 63/00 (2006.01) B66C 1/14 (2006.01) C09J 5/00 (2006.01) D07B 7/00 (2006.01) F16G 11/14 (2006.01)**

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[54] **TECHNIQUES FOR MAKING AND USING HOLDING STRAPS WITH HOOK-AND-STRAP ATTACHMENT**

[54] **TECHNIQUES DE FABRICATION ET D'UTILISATION DE SANGLES DE MAINTIEN A FIXATION PAR CROCHET ET SANGLE**

[72] DUFRESNE, ROBERT P., CA

[71] PULTRUSION TECHNIQUE INC., CA

[85] 2018-04-13

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[30] US (62/240,910) 2015-10-13

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[13] A1

[51] **Int.Cl. A61K 8/99 (2017.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **COSMETIC COMPOSITION HAVING PROBIOTIC BACTERIA**

[54] **COMPOSITION COSMETIQUE CONTENANT DES BACTERIES PROBIOTIQUES**

[72] DE MIRANDA CHAVES VASQUEZ PINTO, LUCIANA, BR

[72] DOMENES PALMIERI RODRIGUEZ, DEBORA, BR

[72] NICOLI, JACQUES ROBERT, BR

[72] DOS SANTOS MARTINS, FLAVIANO, BR

[72] SOARES SILVA, ANNA KAROLINA, BR

[72] DA SILVA, SIMONE HELENA, BR

[71] NATURA COSMETICOS S.A., BR

[71] UNIVERSIDADE FEDERAL DE MINAS GERAIS, BR

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[86] 2016-10-17 (PCT/BR2016/050260)

[87] (WO2017/063066)

[30] US (62/242,017) 2015-10-15

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[21] **3,001,921**
[13] A1

[51] **Int.Cl. C07D 211/58 (2006.01) C07C 275/50 (2006.01) C07D 211/46 (2006.01) C07D 233/64 (2006.01) C08K 5/3435 (2006.01) C08K 5/3445 (2006.01) C09D 5/14 (2006.01)**

[25] EN

[54] **COMPOUNDS, POLYMERS AND COATING FORMULATIONS THAT COMPRISE AT LEAST ONE N-HALAMINE PRECURSOR, A CATIONIC CENTER AND A COATING INCORPORATION GROUP**

[54] **COMPOSES, POLYMERES ET FORMULATIONS DE REVETEMENT COMPRENANT AU MOINS UN PRECURSEUR DE N-HALAMINE, UN CENTRE CATIONIQUE ET UN GROUPE D'INCORPORATION AU REVETEMENT**

[72] WOLFF, ZACHARY J., CA
[72] GHANBAR, SADEGH, CA
[72] TESSIER, DOMINIC, CA
[72] NING, CHENXI, CA
[72] VAN LEEUWEN, JONATHAN, CA
[72] DUBIEL, MARCELO, CA
[72] BINDRA, GURMEET SINGH, CA
[72] LIU, SONG, CA
[71] EXIGENCE TECHNOLOGIES INC., CA
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[87] (WO2017/063091)
[30] US (62/242,725) 2015-10-16
[30] US (62/245,415) 2015-10-23
[30] US (62/248,909) 2015-10-30
[30] US (62/269,014) 2015-12-17
[30] US (62/275,534) 2016-01-06
[30] US (62/287,729) 2016-01-27
[30] US (62/362,460) 2016-07-14
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[21] **3,001,922**
[13] A1

[51] **Int.Cl. G06Q 20/36 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR REALIZING ISSUANCE, CIRCULATION AND RECYCLING OF ELECTRONIC CURRENCY**

[54] **PROCEDE ET SYSTEME DE REALISATION D'EMISSION, DE CIRCULATION ET DE RECYCLAGE DE MONNAIE ELECTRONIQUE**

[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[85] 2018-04-13
[86] 2016-07-07 (PCT/CN2016/089047)
[87] (WO2018/006310)

[21] **3,001,923**
[13] A1

[51] **Int.Cl. E04B 1/343 (2006.01) E04H 15/18 (2006.01) E04H 15/36 (2006.01) E04H 15/58 (2006.01) E06B 5/00 (2006.01)**

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[54] **DOOR SYSTEM FOR MOVABLE STRUCTURES**

[54] **SYSTEME DE PORTE POUR STRUCTURES MOBILES**

[72] SPRUNG, PHILIP D., CA
[71] SPRUNG INSTANT STRUCTURES LTD., CA
[85] 2018-04-13
[86] 2016-10-13 (PCT/CA2016/051194)
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[30] US (14/884,485) 2015-10-15

[21] **3,001,924**
[13] A1

[51] **Int.Cl. G08G 5/00 (2006.01) H04W 4/02 (2018.01) H04L 12/70 (2013.01) H04B 7/185 (2006.01) H04L 29/00 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEMS FOR INCREASING CAPACITY AND SAFETY OF AERONAUTICAL SAFETY-OF-LIFE SERVICES AND DATA LINKS**

[54] **PROCEDE ET SYSTEMES POUR AUGMENTER LA CAPACITE ET LA SECURITE DE SERVICES ET DE LIAISONS DE DONNEES AERONAUTIQUES POUR LA SAUVEGARDE DES VIES**

[72] WINKLER, ROBERTO, IT
[71] THALES ALENIA SPACE ITALIA S.P.A. CON UNICO SOCIO, IT
[85] 2018-04-13
[86] 2016-06-01 (PCT/EP2016/062431)
[87] (WO2017/067675)
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[21] **3,001,925**
[13] A1

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[54] **ALUMINUM ALLOY**

[54] **ALLIAGE D'ALUMINIUM**

[72] MATTHIES, CHRISTIANE, DE
[72] BEYER, TOBIAS, DE
[72] KOCH, HUBERT, DE
[72] ROSEFORT, MARCEL, DE
[71] TRIMET ALUMINIUM SE, DE
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[87] (WO2017/067647)
[30] DE (10 2015 013 540.6) 2015-10-19

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[21] **3,001,926**
[13] A1

[51] **Int.Cl. B02C 17/04 (2006.01) B02C 17/18 (2006.01)**

[25] EN

[54] **A LIFTING WALL ARRANGEMENT AND A SEGMENT OF A LIFTING WALL ARRANGEMENT**

[54] **AGENCEMENT DE PAROI DE LEVAGE ET SEGMENT D'UN AGENCEMENT DE PAROI DE LEVAGE**

[72] CANABES GUERRA, CRISTIAN ALEJANDRO, CL

[71] METSO SWEDEN AB, SE

[85] 2018-04-13

[86] 2016-10-07 (PCT/EP2016/074068)

[87] (WO2017/063954)

[30] EP (15190107.1) 2015-10-16

[21] **3,001,927**
[13] A1

[51] **Int.Cl. C23C 16/24 (2006.01) C01B 33/035 (2006.01) C23C 16/44 (2006.01) F16J 15/10 (2006.01)**

[25] EN

[54] **DEVICE FOR INSULATING AND SEALING ELECTRODE HOLDERS IN CVD REACTORS**

[54] **DISPOSITIF D'ISOLEMENT ET D'ETANCHEITE DE SUPPORTS D'ELECTRODE DANS DES REACTEURS CVD**

[72] RENNSCHMID, DOMINIK, DE

[72] KRAUS, HEINZ, DE

[72] KUTZA, CHRISTIAN, DE

[71] WACKER CHEMIE AG, DE

[85] 2018-04-13

[86] 2016-10-10 (PCT/EP2016/074230)

[87] (WO2017/064011)

[30] DE (10 2015 220 127.9) 2015-10-15

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[13] A1

[51] **Int.Cl. A23D 7/005 (2006.01) A23L 27/60 (2016.01) A23D 7/015 (2006.01) A23D 7/02 (2006.01) A23D 7/06 (2006.01)**

[25] EN

[54] **GAS-IN-OIL-IN-WATER EMULSION AND METHOD FOR ITS PREPARATION**

[54] **EMULSION GAZ-HUILE-EAU ET SON PROCEDE DE PREPARATION**

[72] BOT, ARJEN, NL

[72] LUCIUS, ANITA PERMATASARI, NL

[72] WIERINGA, JAN ALDERS, NL

[71] UNILEVER PLC, GB

[85] 2018-04-13

[86] 2016-10-10 (PCT/EP2016/074205)

[87] (WO2017/076580)

[30] EP (15193359.5) 2015-11-06

[21] **3,001,929**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01)**

[25] EN

[54] **CYCLIC ETHER DERIVATIVES OF PYRAZOLO[1,5-A]PYRIMIDINE-3-CARBOXYAMIDE**

[54] **DERIVES D'ETHER CYCLIQUE DE PYRAZOLO[1,5-A]PYRIMIDINE-3-CARBOXYAMIDE**

[72] HOENKE, CHRISTOPH, DE

[72] BERTANI, BARBARA, DE

[72] FERRARA, MARCO, DE

[72] FOSSATI, GIACOMO, DE

[72] FRATTINI, SARA, DE

[72] GIOVANNINI, RICCARDO, DE

[72] HOBSON, SCOTT, DE

[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

[85] 2018-04-13

[86] 2016-10-12 (PCT/EP2016/074380)

[87] (WO2017/064082)

[30] EP (15189600.8) 2015-10-13

[21] **3,001,930**
[13] A1

[51] **Int.Cl. C09D 183/06 (2006.01) C08G 77/08 (2006.01) C08G 77/38 (2006.01)**

[25] EN

[54] **CURABLE POLYMERS**

[54] **POLYMERES DURCISSABLES**

[72] AMAJJAHE, SADIK, DE

[72] HENNING, FRAUKE, DE

[72] KNOTT, WILFRIED, DE

[72] DUDZIK, HORST, DE

[72] PLATTE, GABRIELE, DE

[72] GABER, FLORIAN, DE

[72] DOEHLER, HARDI, DE

[71] EVONIK DEGUSSA GMBH, DE

[85] 2018-04-13

[86] 2016-10-13 (PCT/EP2016/074554)

[87] (WO2017/080747)

[30] EP (15194027.7) 2015-11-11

[21] **3,001,931**
[13] A1

[51] **Int.Cl. C09D 183/06 (2006.01) C08G 77/08 (2006.01) C08G 77/38 (2006.01)**

[25] EN

[54] **CURABLE POLYMERS**

[54] **POLYMERES DURCISSABLES**

[72] AMAJJAHE, SADIK, DE

[72] HENNING, FRAUKE, DE

[72] KNOTT, WILFRIED, DE

[72] DUDZIK, HORST, DE

[72] PLATTE, GABRIELE, DE

[72] GABER, FLORIAN, DE

[72] DOEHLER, HARDI, DE

[71] EVONIK DEGUSSA GMBH, DE

[85] 2018-04-13

[86] 2016-10-13 (PCT/EP2016/074565)

[87] (WO2017/080749)

[30] EP (15194036.8) 2015-11-11

[21] **3,001,933**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **A METHOD FOR OPERATING A SYSTEM AND A SYSTEM**

[54] **PROCEDE DE FONCTIONNEMENT D'UN SYSTEME, ET SYSTEME**

[72] LORRACHER, TOBIAS, DE

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2018-04-13

[86] 2016-10-13 (PCT/EP2016/074538)

[87] (WO2017/064161)

[30] EP (15190162.6) 2015-10-16

Demandes PCT entrant en phase nationale

[21] **3,001,934**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 34/37 (2016.01) A61B 90/20 (2016.01) B25J 9/00 (2006.01) B25J 9/16 (2006.01)**

[25] EN
[54] **ROBOTIC SURGICAL ASSEMBLY**
[54] **ENSEMBLE CHIRURGICAL ROBOTIQUE**

[72] SIMI, MASSIMILIANO, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS S.P.A., IT
[85] 2018-04-13
[86] 2016-10-14 (PCT/EP2016/074805)
[87] (WO2017/064301)
[30] IT (102015000062500) 2015-10-16

[21] **3,001,935**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 34/37 (2016.01) A61B 90/20 (2016.01) B25J 9/10 (2006.01) B25J 9/16 (2006.01)**

[25] EN
[54] **SURGICAL TOOL FOR ROBOTIC SURGERY AND ROBOTIC SURGICAL ASSEMBLY**
[54] **OUTIL CHIRURGICAL POUR CHIRURGIE ROBOTIQUE ET ENSEMBLE DE CHIRURGIE ROBOTIQUE**

[72] SIMI, MASSIMILIANO, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS S.P.A., IT
[85] 2018-04-13
[86] 2016-10-14 (PCT/EP2016/074808)
[87] (WO2017/064303)
[30] IT (102015000062500) 2015-10-16

[21] **3,001,936**
[13] A1

[51] **Int.Cl. F16L 47/34 (2006.01) B23B 51/00 (2006.01)**

[25] EN
[54] **A CUTTING TOOL AND A BRANCH CONNECTION DEVICE COMPRISING A CUTTING TOOL**
[54] **OUTIL DE COUPE ET DISPOSITIF DE RACCORDEMENT DE DERIVATION COMPRENANT UN OUTIL DE COUPE**

[72] HEERSEMA, MICHIEL, NL
[72] VAN DER WORP, HENDRIK JAN MARK, NL
[71] WAVIN B.V., NL
[85] 2018-04-13
[86] 2016-10-14 (PCT/EP2016/074727)
[87] (WO2017/064257)
[30] NL (1041522) 2015-10-15

[21] **3,001,937**
[13] A1

[51] **Int.Cl. A61B 34/30 (2016.01) A61B 34/00 (2016.01) A61B 34/37 (2016.01) A61B 17/29 (2006.01) B25J 9/10 (2006.01)**

[25] EN
[54] **A SURGICAL TOOL**
[54] **OUTIL CHIRURGICAL**

[72] SIMI, MASSIMILIANO, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS S.P.A., IT
[85] 2018-04-13
[86] 2016-10-14 (PCT/EP2016/074812)
[87] (WO2017/064306)
[30] IT (102015000062512) 2015-10-16

[21] **3,001,938**
[13] A1

[51] **Int.Cl. B32B 37/18 (2006.01)**

[25] EN
[54] **A PROCESS FOR PRODUCING A MULTILAYER LAMINATE**
[54] **PROCEDE DE PRODUCTION DE STRATIFIE MULTICOUCHE**

[72] ODERKERK, JEROEN, SE
[72] COSTA, FRANCIS, AT
[72] GALGALI, GIRISH SURESH, AT
[72] BROEDERS, BERT, BE
[72] BERGQVIST, MATTIAS, SE
[72] HELLSTROM, STEFAN, SE
[71] BOREALIS AG, AT
[85] 2018-04-13
[86] 2016-10-18 (PCT/EP2016/074925)
[87] (WO2017/076628)
[30] EP (15192981.7) 2015-11-04

[21] **3,001,939**
[13] A1

[51] **Int.Cl. G01B 11/24 (2006.01) G01B 11/245 (2006.01)**

[25] FR
[54] **DISPOSITIF DE CONTROLE TRIDIMENSIONNEL SANS CONTACT D'UNE PIECE MECANIQUE A DENTURE**
[54] **DEVICE FOR THE CONTACTLESS THREE-DIMENSIONAL INSPECTION OF A TOOTHED MECHANICAL COMPONENT**

[72] LE NEEL, DIDIER, FR
[71] MESURE-SYSTEMS3D, FR
[85] 2018-04-13
[86] 2016-11-02 (PCT/EP2016/076337)
[87] (WO2017/076854)
[30] FR (1560485) 2015-11-02

[21] **3,001,940**
[13] A1

[51] **Int.Cl. B23H 11/00 (2006.01) A61B 34/00 (2016.01) B23H 7/02 (2006.01)**

[25] EN
[54] **METHOD OF MANUFACTURING FOR A MEDICAL INSTRUMENT**
[54] **PROCEDE DE FABRICATION POUR UN INSTRUMENT MEDICAL**

[72] SIMI, MASSIMILIANO, IT
[72] PRISCO, GIUSEPPE MARIA, IT
[71] MEDICAL MICROINSTRUMENTS S.P.A., IT
[85] 2018-04-13
[86] 2016-10-14 (PCT/EP2016/074811)
[87] (WO2017/064305)
[30] IT (102015000062548) 2015-10-16

[21] **3,001,941**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/50 (2017.01) A61P 35/00 (2006.01)**

[25] EN
[54] **ANTI-ROR1 ANTIBODIES**
[54] **ANTICORPS ANTI-ROR1**

[72] WALDMEIER, LORENZ, CH
[72] GRAWUNDER, ULF, CH
[72] BEERLI, ROGER, CH
[71] NBE-THERAPEUTICS AG, CH
[85] 2018-04-13
[86] 2016-10-31 (PCT/EP2016/076244)
[87] (WO2017/072361)
[30] EP (15192446.1) 2015-10-30

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[21] **3,001,942**
[13] A1

[51] **Int.Cl. F02C 3/22 (2006.01) F02C 3/28 (2006.01) F02C 6/00 (2006.01) C01B 3/04 (2006.01)**
[25] EN
[54] **A GAS TURBINE SYSTEM**
[54] **SYSTEME DE TURBINE A GAZ**
[72] BULAT, GHENADIE, GB
[72] HUGHES, TIMOTHY, GB
[72] MAY, JONATHAN, GB
[72] WILKINSON, IAN, GB
[71] SIEMENS AKTIENGESSELLSCHAFT, DE
[85] 2018-04-13
[86] 2016-11-02 (PCT/EP2016/076453)
[87] (WO2017/084876)
[30] GB (1520612.1) 2015-11-20

[21] **3,001,943**
[13] A1

[51] **Int.Cl. B29C 45/14 (2006.01) B29C 45/00 (2006.01)**
[25] EN
[54] **AN INJECTION MOLDED PLASTIC OBJECT WITH AN EMBEDDED ELECTRONIC CIRCUIT PRINTED ON A PAPER BASE AND METHOD OF ITS PRUDCUTION**
[54] **OBJET EN PLASTIQUE MOULE PAR INJECTION PRESENTANT UN CIRCUIT ELECTRONIQUE ENROBE, IMPRIME SUR UN SUPPORT EN PAPIER ET PROCEDE POUR SA PRODUCTION**
[72] CHARTIER, CHRISTOPHE, FR
[72] DEPRES, GAEL, FR
[72] VAU, JEAN-MARIE, FR
[71] ARJO WIGGINS FINE PAPERS LIMITED, GB
[85] 2018-04-13
[86] 2016-11-15 (PCT/EP2016/077784)
[87] (WO2017/085085)
[30] US (62/255,889) 2015-11-16
[30] EP (15307198.0) 2015-12-31

[21] **3,001,944**
[13] A1

[51] **Int.Cl. H02K 15/06 (2006.01)**
[25] EN
[54] **MECHANISM AND METHOD FOR INTRODUCING A WAVE WINDING FROM A PREFABRICATED WAVE WINDING MAT INTO STATOR SHEET METAL PACKET GROOVES**
[54] **DISPOSITIF ET PROCEDE D'INTRODUCTION D'UN ENROULEMENT ONDULE D'UN TAPIS D'ENROULEMENT ONDULE PREFABRIQUE DANS DES RAINURES DE PAQUET DE TOLES DE STATOR**
[72] LUTTGE, WOLFGANG, DE
[71] AUMANN ESPELKAMP GMBH, DE
[85] 2018-04-13
[86] 2016-12-15 (PCT/EP2016/081110)
[87] (WO2017/102904)
[30] EP (15201154.0) 2015-12-18

[21] **3,001,945**
[13] A1

[51] **Int.Cl. B29C 70/34 (2006.01) B29C 51/28 (2006.01) B29C 70/44 (2006.01)**
[25] EN
[54] **METHOD OF MAKING A PART FROM A FIBER COMPOSITE MATERIAL**
[54] **PROCEDE POUR LA FABRICATION D'UN ELEMENT EN MATERIAU COMPOSITE A BASE DE FIBRES**
[72] SEBASTIAN, LOTHAR, DE
[72] SCHURMANN, KLAUS, DE
[72] SCHOLER, MICHAEL, DE
[71] SIEMPELKAMP MASCHINEN- UND ANLAGENBAU GMBH, DE
[85] 2018-04-13
[86] 2016-10-18 (PCT/EP2016/074988)
[87] (WO2017/067934)
[30] DE (10 2015 117 857.5) 2015-10-20

[21] **3,001,946**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **AN AEROSOL-GENERATING COMPONENT FOR USE IN AN AEROSOL-GENERATING ARTICLE**
[54] **ELEMENT GENERATEUR D'AEROSOL DESTINE A ETRE UTILISE DANS UN ARTICLE GENERATEUR D'AEROSOL**
[72] BATISTA, RUI, CH
[72] ROJO-CALDERON, NOELIA, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-04-13
[86] 2016-12-21 (PCT/EP2016/082118)
[87] (WO2017/108912)
[30] EP (15202621.7) 2015-12-23

[21] **3,001,947**
[13] A1

[51] **Int.Cl. F16L 5/10 (2006.01) H02G 3/22 (2006.01)**
[25] EN
[54] **A SURROUNDING MEMBER FOR A PIPE**
[54] **ELEMENT D'ENTOURAGE POUR UN TUYAU**
[72] LEVER, ALEXANDER JONATHAN, GB
[72] BURDETT, CHRISTOPHER ROBERT, GB
[71] SNUG SOLUTIONS LTD, GB
[85] 2018-04-13
[86] 2016-10-13 (PCT/GB2016/000184)
[87] (WO2017/064450)
[30] GB (1518086.2) 2015-10-13

[21] **3,001,948**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **A METHOD FOR OPERATING AN ELECTRONIC VAPOUR INHALER**
[54] **PROCEDE POUR ACTIONNER UN INHALATEUR DE VAPEUR ELECTRONIQUE**
[72] GILL, MARK, GB
[72] VANKO, DANIEL, GB
[72] BRVENIK, LUBOS, GB
[71] JT INTERNATIONAL SA, CH
[85] 2018-04-13
[86] 2016-10-13 (PCT/GB2016/053168)
[87] (WO2017/064487)
[30] GB (1518244.7) 2015-10-15

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[21] **3,001,949**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/351 (2006.01) A61P 25/02 (2006.01) A61P 25/04 (2006.01) A61P 25/06 (2006.01) A61P 25/08 (2006.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) C07D 405/04 (2006.01) C07D 409/14 (2006.01)**

[25] EN

[54] **PYRAZOLYL SUBSTITUTED TETRAHYDROPYRANYLSULFONES**

[54] **TETRAHYDROPYRANYLSULFONES AS A SUBSTITUTION PYRAZOLYLE**

[72] SCHUNK, STEPHAN, DE

[72] REICH, MELANIE, DE

[72] KOENIGS, RENE MICHAEL, DE

[71] GRUNENTHAL GMBH, DE

[85] 2018-04-05

[86] 2016-10-07 (PCT/EP2016/025108)

[87] (WO2017/059966)

[30] EP (EP15002880.1) 2015-10-08

[21] **3,001,950**
[13] A1

[51] **Int.Cl. A61B 3/00 (2006.01) A61F 9/00 (2006.01) G02B 6/35 (2006.01)**

[25] EN

[54] **BEAM GUIDE FOR OPHTHALMIC SURGICAL ILLUMINATION**

[54] **GUIDE DE FAISCEAU POUR ECLAIRAGE CHIRURGICAL OPHTALMIQUE**

[72] PAPAC, MICHAEL J., US

[72] ULINSKAS, VIT, US

[71] NOVARTIS AG, CH

[85] 2018-04-13

[86] 2016-12-09 (PCT/IB2016/057515)

[87] (WO2017/103757)

[30] US (14/973,187) 2015-12-17

[21] **3,001,951**
[13] A1

[51] **Int.Cl. A61N 1/32 (2006.01) A61N 1/36 (2006.01)**

[25] EN

[54] **METHOD OF PROMOTING NERVE REGENERATION USING ELECTRICAL STIMULATION**

[54] **METHODE POUR FAVORISER LA REGENERATION NERVEUSE A L'AIDE D'UNE STIMULATION ELECTRIQUE**

[72] BAYAT, ARDESHIR, GB

[72] SEBASTIAN, ANIL, GB

[71] OXFORD BIOELECTRONICS LTD, GB

[85] 2018-04-13

[86] 2016-10-14 (PCT/GB2016/053185)

[87] (WO2017/064500)

[30] GB (1518263.7) 2015-10-15

[21] **3,001,952**
[13] A1

[51] **Int.Cl. A63H 27/10 (2006.01)**

[25] EN

[54] **GAS INFLATABLE BALLOONS**

[54] **BALLONS GONFLABLES AU GAZ**

[72] MOWBRAY, MATHEW PETER, NZ

[71] CREATIVE IMPACT INC., VG

[85] 2018-04-13

[86] 2017-04-04 (PCT/IB2017/051900)

[87] (WO2017/175117)

[30] NZ (718690) 2016-04-04

[30] NZ (727945) 2016-12-23

[21] **3,001,953**
[13] A1

[51] **Int.Cl. H02K 19/26 (2006.01) H02K 23/62 (2006.01)**

[25] EN

[54] **ELECTRIC MOTOR**

[54] **MOTEUR ELECTRIQUE**

[72] MOSTOVOY, ALEXANDER, IL

[72] SHLAKHETSKI, VICTOR, IL

[71] VASTECH HOLDINGS LTD., GB

[85] 2018-04-13

[86] 2016-10-06 (PCT/IL2016/051086)

[87] (WO2017/064699)

[30] GB (1518249.6) 2015-10-15

[21] **3,001,954**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**

[25] EN

[54] **MICROFLUIDIC ARRANGEMENTS**

[54] **DISPOSITIFS MICROFLUIDIQUES**

[72] COOK, PETER RICHARD, GB

[72] FEUERBORN, ALEXANDER, GB

[72] WALSH, EDMOND, GB

[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB

[85] 2018-04-13

[86] 2016-10-14 (PCT/GB2016/053204)

[87] (WO2017/064514)

[30] GB (1518392.4) 2015-10-16

[30] GB (1614150.9) 2016-08-18

[30] GB (1614139.2) 2016-08-18

[30] GB (1614146.7) 2016-08-18

[30] GB (1614157.4) 2016-08-18

[30] GB (1614153.3) 2016-08-18

[21] **3,001,955**
[13] A1

[51] **Int.Cl. A61K 31/573 (2006.01)**

[25] EN

[54] **OPHTHALMIC SOLUTION OF DIFLUPREDNATE**

[54] **SOLUTION OPHTALMIQUE DE DIFLUPREDNATE**

[72] KHOPADE, AJAY JAYSINGH, IN

[72] HALDER, ARINDAM, IN

[72] SHAH, ANKIT SHAILESHKUMAR, IN

[71] SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, IN

[85] 2018-04-13

[86] 2016-10-15 (PCT/IN2016/050351)

[87] (WO2017/064731)

[30] IN (3932/MUM/2015) 2015-10-16

[30] IN (201621025198) 2016-07-22

[21] **3,001,956**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**

[25] EN

[54] **METHOD FOR TESTING A LASER DEVICE**

[54] **PROCEDE D'ANALYSE DE DISPOSITIF LASER**

[72] ABRAHAM, MARIO, DE

[72] RIEDEL, PETER, DE

[71] NOVARTIS AG, CH

[85] 2018-04-13

[86] 2016-08-26 (PCT/IB2016/055117)

[87] (WO2017/085569)

[30] DE (102015015095.2) 2015-11-20

PCT Applications Entering the National Phase

[21] **3,001,957**
[13] A1

[51] **Int.Cl. A61K 31/573 (2006.01)**
[25] EN
[54] **OPHTHALMIC SOLUTION OF DIFLUPREDNATE**
[54] **SOLUTION OPHTHALMIQUE DE DIFLUPREDNATE**
[72] KHOPADE, AJAY JAYSINGH, IN
[72] HALDER, ARINDAM, IN
[72] SHAH, ANKIT SHAILESHKUMAR, IN
[71] SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, IN
[85] 2018-04-13
[86] 2016-10-15 (PCT/IN2016/050352)
[87] (WO2017/064732)
[30] IN (3932/MUM/2015) 2015-10-16
[30] IN (201621025198) 2016-07-22

[21] **3,001,958**
[13] A1

[51] **Int.Cl. C07D 311/60 (2006.01) C07D 215/12 (2006.01) C07D 335/06 (2006.01)**
[25] EN
[54] **NOVEL HETEROCYCLIC ANTIESTROGENS**
[54] **NOUVEAUX ANTIOESTROGENES HETEROCYCLIQUES**
[72] PAL, RANJAN KUMAR, IN
[72] SEDANI, AMIT PRAVINBHAI, IN
[72] PRAJAPATI, KAUSHIKKUMAR DHANJIBHAI, IN
[72] RANA, DIJIXA PINAKIN, IN
[72] PATHAK, SANDEEP PANKAJBHAI, IN
[72] DESAI, JAPAN NITINKUMAR, IN
[72] ARADHYE, JAYRAJ DILIPBHAI, IN
[72] PANCHAL, BHAVESH MOHANBHAI, IN
[72] GHOSH, INDRANEEL, IN
[72] CHITTURI, TRINADHA RAO, IN
[71] SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, IN
[85] 2018-04-13
[86] 2016-10-26 (PCT/IN2016/050364)
[87] (WO2017/072792)
[30] IN (4058/MUM/2015) 2015-10-27

[21] **3,001,959**
[13] A1

[51] **Int.Cl. G01C 21/00 (2006.01) G08G 1/00 (2006.01) G09B 29/00 (2006.01)**
[25] EN
[54] **MANAGEMENT SYSTEM FOR WORK MACHINE, WORK MACHINE, AND MANAGEMENT DEVICE FOR WORK MACHINE**
[54] **SYSTEME DE GESTION D'ENGIN DE CHANTIER, ENGIN DE CHANTIER, ET DISPOSITIF DE GESTION D'ENGIN DE CHANTIER**
[72] SAKAI, ATSUSHI, JP
[72] TOJIMA, MASANORI, JP
[72] OZAKI, TOMONORI, JP
[71] KOMATSU LTD., JP
[85] 2018-04-13
[86] 2015-12-25 (PCT/JP2015/086429)
[87] (WO2017/109999)

[21] **3,001,960**
[13] A1

[51] **Int.Cl. H04N 21/84 (2011.01)**
[25] EN
[54] **FILE RECOVERY**
[54] **RECUPERATION DE FICHER**
[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2018-04-13
[86] 2016-10-21 (PCT/JP2016/004660)
[87] (WO2017/068794)
[30] US (62/245,525) 2015-10-23
[30] US (62/255,446) 2015-11-14
[30] US (62/331,376) 2016-05-03

[21] **3,001,962**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 9/14 (2006.01) A61K 31/167 (2006.01) A61K 31/215 (2006.01) A61K 31/616 (2006.01) A61P 31/16 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **TREATMENT OF MODERATE TO SEVERE INFLUENZA**
[54] **TRAITEMENT D'UNE GRIPPE MODEREE A GRAVE**
[72] NOCKER, KARLHEINZ, DE
[72] CANISIUS, SEBASTIAN, DE
[72] SCHEUCH, GERHARD, DE
[71] VENTALEON GMBH, DE
[85] 2018-04-13
[86] 2016-12-22 (PCT/EP2016/082307)
[87] (WO2017/109037)
[30] EP (15202212.5) 2015-12-22

[21] **3,001,963**
[13] A1

[51] **Int.Cl. G01C 21/36 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **WORK MACHINE MANAGEMENT SYSTEM AND WORK MACHINE**
[54] **SYSTEME DE GESTION DE MACHINE DE TRAVAIL ET MACHINE DE TRAVAIL**
[72] SAKAI, ATSUSHI, JP
[72] MINAGAWA, MASANORI, JP
[72] OZAKI, TOMONORI, JP
[71] KOMATSU LTD., JP
[85] 2018-04-13
[86] 2016-01-29 (PCT/JP2016/052839)
[87] (WO2017/130418)

[21] **3,001,964**
[13] A1

[51] **Int.Cl. C07D 401/06 (2006.01) C07D 401/14 (2006.01) C07B 61/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING HETEROCYCLIC COMPOUND**
[54] **PROCEDE DE PRODUCTION DE COMPOSE HETEROCYCLIQUE**
[72] KOMURA, FUMIYA, JP
[72] HIGUCHI, YOSHIHIRO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2018-04-13
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[87] (WO2017/065287)
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[54] SYSTEME D'APPROVISIONNEMENT ET D'ECHANGE DE BANC DE BATTERIES DANS UN VEHICULE UTILITAIRE ELECTRIQUE	[54] DISPOSITIF ET PROGRAMME DE TRAITEMENT	[54] AGENT THERAPEUTIQUE DESTINE AU CANCER DU SEIN
[72] HERNANDEZ LOPEZ, LUIS ANGEL, MX	[72] YAMAGUCHI, KOJI, JP	[72] MIYANO, SAORI, JP
[72] PICHARDO ANAYA, HUGO, MX	[71] FUTABA INDUSTRIAL CO., LTD., JP	[72] YAMAMOTO, YUJI, JP
[72] HERNANDEZ JIMENEZ, JOSE DE JESUS, MX	[85] 2018-04-13	[72] NAKAGAWA, TAKAYUKI, JP
[72] ORTEGA NOLASCO, LEONARDO DANIEL, MX	[86] 2016-08-08 (PCT/JP2016/073318)	[71] EISAI R&D MANAGEMENT CO., LTD., JP
[72] MARTINEZ DORANTES, ARTURO, MX	[87] (WO2017/068836)	[85] 2018-04-13
[72] GARCIA MENDEZ, JORGE ALEJANDRO, MX	[30] JP (2015-207356) 2015-10-21	[86] 2016-12-15 (PCT/JP2016/087349)
[72] NAVA ORTIZ, CARLOS, MX		[87] (WO2017/104739)
[71] GRUPO BIMBO, S.A.B. DE C.V., MX	[21] 3,001,968 [13] A1	[30] JP (2015-246308) 2015-12-17
[85] 2018-04-13	[51] Int.Cl. G01N 33/00 (2006.01) B01D 53/14 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01) B01D 53/96 (2006.01) G01N 11/00 (2006.01) G01N 29/024 (2006.01)	[21] 3,001,970 [13] A1
[86] 2016-09-21 (PCT/IB2016/055642)	[25] EN	[51] Int.Cl. H04W 4/00 (2018.01)
[87] (WO2017/064582)	[54] SYSTEM FOR ANALYZING CARBON DIOXIDE CONCENTRATION OF AMINE-BASED ABSORBING SOLUTION, CARBON DIOXIDE RECOVERY SYSTEM, AND METHOD OF OPERATING THE SAME	[25] EN
[30] MX (MX/a/2015/014520) 2015-10-15	[54] SYSTEME PERMETTANT D'ANALYSER UNE CONCENTRATION EN DIOXYDE DE CARBONE D'UNE SOLUTION ABSORBANTE A BASE D'AMINES, SYSTEME DE RECUPERATION DE DIOXYDE DE CARBONE ET SON PROCEDE DE FONCTIONNEMENT	[54] SYSTEM FOR CHECKING THE PERFORMANCE OF ENERGY AND MONITORING PHOTOVOLTAIC SOLAR OR WIND PLANTS
[21] 3,001,966 [13] A1	[54] SYSTEME PERMETTANT D'ANALYSER UNE CONCENTRATION EN DIOXYDE DE CARBONE D'UNE SOLUTION ABSORBANTE A BASE D'AMINES, SYSTEME DE RECUPERATION DE DIOXYDE DE CARBONE ET SON PROCEDE DE FONCTIONNEMENT	[54] SYSTEME POUR VERIFIER LES PERFORMANCES EN MATIERE D'ENERGIE ET SURVEILLER DES CENTRALES ELECTRIQUES PHOTOVOLTAIQUES OU DES PARCS EOLIENS
[51] Int.Cl. C22C 38/32 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01)	[72] HIRATA, TAKUYA, JP	[72] DI MATTEO, NICOLA RAFFAELE, IT
[25] EN	[72] SAKAGUCHI, MASAKAZU, JP	[71] SUNREPORT S.R.L., IT
[54] STEEL WIRE ROD FOR WIRE DRAWING	[72] TSUJIUCHI, TATSUYA, JP	[71] DI MATTEO, NICOLA RAFFAELE, IT
[54] FIL D'ACIER POUR TREFILAGE	[72] TANAKA, HIROSHI, JP	[85] 2018-04-13
[72] TESHIMA, TOSHIHIKO, JP	[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP	[86] 2016-10-14 (PCT/IB2016/056149)
[72] DAITO, YOSHIHIRO, JP		[87] (WO2017/064650)
[72] MANABE, TOSHIYUKI, JP		[30] IT (UB2015A004649) 2015-10-14
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP		
[85] 2018-04-13		
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[25] EN
[54] **METHOD OF RESISTANCE SPOT WELDING**
[54] **PROCEDE DE SOUDAGE PAR POINTS RESISTIF**
[72] FURUSAKO, SEIJI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-04-13
[86] 2016-10-21 (PCT/JP2016/081352)
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[30] JP (2015-207128) 2015-10-21

[21] **3,001,972**
[13] A1

[51] **Int.Cl. B65H 69/00 (2006.01) A41D 13/11 (2006.01) A62B 23/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SPLICING NOSE WIRE IN A FACEMASK MANUFACTURING PROCESS**
[54] **PROCEDE ET SYSTEME POUR EPISSER UN FIL DE NEZ DANS UN PROCESSUS DE FABRICATION DE MASQUE FACIAL**
[72] PAMPERIN, MARK THOMAS, US
[72] HARRIS, NATHAN CRAIG, US
[72] WEBER, JOSEPH P., US
[72] HOUDE, AJAY Y., US
[72] HARRINGTON, DAVID LAMAR, US
[71] AVENT, INC., US
[85] 2018-04-13
[86] 2015-10-16 (PCT/US2015/055858)
[87] (WO2017/065783)

[21] **3,001,973**
[13] A1

[51] **Int.Cl. B65H 67/02 (2006.01) A41D 13/11 (2006.01) A62B 23/02 (2006.01) B65H 69/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SPLICING NOSE WIRE IN A FACEMASK MANUFACTURING PROCESS**
[54] **PROCEDE ET SYSTEME D'EPISSAGE DE FIL DE NEZ DANS UN PROCEDE DE FABRICATION DE MASQUE FACIAL**
[72] HARRIS, NATHAN CRAIG, US
[72] WEBER, JOSEPH P., US
[72] HOUDE, AJAY Y., US
[72] HARRINGTON, DAVID LAMAR, US
[72] PAMPERIN, MARK THOMAS, US
[71] AVENT, INC., US
[85] 2018-04-13
[86] 2015-10-16 (PCT/US2015/055861)
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[54] **2,4-DIHYDROXY-NICOTINAMIDES AS APJ AGONISTS**
[54] **2,4-DIHYDROXY-NICOTINAMIDES UTILISES EN TANT QU'AGONISTES D'APJ**
[72] KIM, SOONG-HOON, US
[72] CHAO, HANNGUANG J., US
[72] FINLAY, HEATHER, US
[72] JIANG, JI, US
[72] JOHNSON, JAMES A., US
[72] LAWRENCE, R. MICHAEL, US
[72] MYERS, MICHAEL C., US
[72] PHILLIPS, MONIQUE, US
[72] TORA, GEORGE O., US
[72] MENG, WEI, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2018-04-12
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[30] US (62/241,367) 2015-10-14
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[25] EN

[54] **PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES**

[54] **PLANTES PRESENTANT UNE TOLERANCE ACCRUE AUX HERBICIDES**

[72] TRESCH, STEFAN, DE
[72] SISAY, MIHIRET TEKESTE, DE
[72] SCHACHTSCHABEL, DOREEN, DE
[72] HANZLIK, KRISTIN, DE
[72] WESTON J, BRIGITTE, DE
[72] VOGT, FLORIAN, DE
[72] GEERDINK, DANNY, DE
[72] LERCHL, JENS, DE
[71] BASF SE, DE
[85] 2018-04-13
[86] 2016-10-21 (PCT/IB2016/056348)
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[30] EP (15190979.3) 2015-10-22

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[13] A1

[51] **Int.Cl. A01G 31/00 (2018.01) A01G 31/06 (2006.01) A01K 63/04 (2006.01)**

[25] EN

[54] **AQUAPONICS SYSTEM, AND FISH AND SHELLFISH REARING AND PLANT CULTIVATION METHOD USING THE AQUAPONICS SYSTEM**

[54] **SYSTEME AQUAPONIQUE ET PROCEDE D'ELEVAGE D'ANIMAUX AQUATIQUES ET PROCEDE DE CULTURE DE PLANTES UTILISANT CELUI-CI**

[72] HORI, MASAHARU, JP
[71] HORIMASA CITY FARM INC., JP
[85] 2018-04-13
[86] 2016-12-22 (PCT/JP2016/088482)
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[30] JP (2016-022716) 2016-02-09

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[51] **Int.Cl. A41D 13/11 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CUTTING AND PLACING NOSE WIRES IN A FACEMASK MANUFACTURING PROCESS**

[54] **PROCEDE ET SYSTEME POUR COUPER ET PLACER DES FILS DE NEZ DANS UN PROCESSUS DE FABRICATION DE MASQUE FACIAL**

[72] HARRINGTON, DAVID LAMAR, US
[72] PAMPERIN, MARK THOMAS, US
[72] HARRIS, NATHAN CRAIG, US
[72] WEBER, JOSEPH P., US
[72] HOUDE, AJAY Y., US
[71] AVENT, INC., US
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[21] **3,001,979**
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[54] **PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES**

[54] **PLANTES PRESENTANT UNE TOLERANCE ACCRUE AUX HERBICIDES**

[72] TRESCH, STEFAN, DE
[72] SISAY, MIHIRET TEKESTE, DE
[72] SCHACHTSCHABEL, DOREEN, DE
[72] HANZLIK, KRISTIN, DE
[72] WESTON, BRIGITTE J, DE
[72] VOGT, FLORIAN, DE
[72] GEERDINK, DANNY, DE
[72] LERCHL, JENS, DE
[71] BASF SE, DE
[85] 2018-04-13
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[30] EP (15190978.5) 2015-10-22

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[13] A1

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[25] EN

[54] **METHOD AND SYSTEM FOR AUTOMATED STACKING AND LOADING OF WRAPPED FACEMASKS INTO A CARTON IN A MANUFACTURING LINE**

[54] **PROCEDE ET SYSTEME POUR L'EMPILEMENT ET CHARGE AUTOMATISES DE MASQUES FACIAUX ENVELOPPES DANS UN CARTON DANS UNE CHAINE DE PRODUCTION**

[72] HARRINGTON, DAVID LAMAR, US
[72] PAMPERIN, MARK THOMAS, US
[72] HARRIS, NATHAN CRAIG, US
[72] WEBER, JOSEPH P., US
[72] HOUDE, AJAY Y., US
[71] AVENT, INC., US
[85] 2018-04-13
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[87] (WO2017/065794)

[21] **3,001,984**
[13] A1

[51] **Int.Cl. G01N 33/00 (2006.01)**

[25] FR

[54] **DEVICE AND METHOD FOR CAPTURING AND RECORDING FINE PARTICLES AND/OR THE DENSITY OF NOX GASES IN THE AIR**

[54] **DISPOSITIF ET PROCEDE DE CAPTURE ET ENREGISTREMENT DES PARTICULES FINES ET/OU DENSITE DES GAZ NOX DANS L'AIR**

[72] POINCELET, ERIC, FR
[71] PLANETWATCH24, FR
[71] POINCELET, ERIC, FR
[71] POINCELET, PHILIPPE, FR
[85] 2018-04-13
[86] 2016-10-14 (PCT/FR2016/000166)
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[30] FR (1502183) 2015-10-16

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[25] EN

[54] **HIGH DEFINITION MICRODROPLET PRINTER**

[54] **IMPRIMANTE A MICROGOUTTELETTES HAUTE DEFINITION**

[72] ABATE, ADAM R., US

[72] SCIAMBI, ADAM R., US

[72] COLE, RUSSELL, US

[72] GARTNER, ZEV JORDAN, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2018-04-13

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[87] (WO2016/065056)

[30] US (62/067,314) 2014-10-22

[30] US (62/112,068) 2015-02-04

[21] **3,001,987**
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[51] **Int.Cl. H04L 29/06 (2006.01)**

[25] EN

[54] **CLOUD BASED SESSION MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE SESSION EN NUAGE**

[72] CHARLES, KEVIN M., US

[72] FRERKING, JOHN RANDY, US

[72] JACKSON, RICHARD, US

[71] WALMART APOLLO, LLC, US

[85] 2018-03-22

[86] 2016-09-27 (PCT/US2016/054019)

[87] (WO2017/058823)

[30] US (62/233,750) 2015-09-28

[21] **3,001,988**
[13] A1

[51] **Int.Cl. A61F 13/06 (2006.01) A61F 5/01 (2006.01)**

[25] FR

[54] **BANDAGE FOR IMMOBILISING OR HOLDING A JOINT**

[54] **BANDE DE CONTENTION OU DE MAINTIEN D'UNE ARTICULATION**

[72] MILLET, DAMIEN, FR

[71] MILLET INNOVATION, FR

[85] 2018-04-13

[86] 2016-10-12 (PCT/FR2016/052630)

[87] (WO2017/077206)

[30] FR (1560643) 2015-11-06

[21] **3,001,989**
[13] A1

[51] **Int.Cl. G06Q 50/10 (2012.01) G08B 25/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MONITORING AND PREDICTING GAS LEAK**

[54] **PROCEDE ET SYSTEME DE SURVEILLANCE ET DE PREDICTION DE FUITE DE GAZ**

[72] WESLEY, AVINASH, US

[72] LU, JIANXIN, US

[72] UYANIK, ILYAS, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-04-13

[86] 2015-11-19 (PCT/US2015/061634)

[87] (WO2017/086981)

[21] **3,001,990**
[13] A1

[51] **Int.Cl. A61B 3/113 (2006.01) A61B 3/032 (2006.01) G02C 7/02 (2006.01)**

[25] FR

[54] **METHOD FOR DETERMINING A VISUAL BEHAVIOR PARAMETER OF A PERSON, AND RELATED TESTING DEVICE**

[54] **METHODE DE DETERMINATION D'UN PARAMETRE DE COMPORTEMENT VISUEL D'UN INDIVIDU ET DISPOSITIF DE TEST ASSOCIE**

[72] ESCALIER, GUILHEM, FR

[72] POULAIN, ISABELLE, FR

[72] DEBIEUVRE, AMANDINE, FR

[72] PAILLE, DAMIEN, FR

[72] TRANVOUEZ-BERNARDIN, DELPHINE, FR

[72] BARANTON, KONOGAN, FR

[72] ROUSSEAU, BENJAMIN, FR

[71] ESSILOR INTERNATIONAL, FR

[85] 2018-04-13

[86] 2016-10-14 (PCT/FR2016/052666)

[87] (WO2017/064442)

[30] FR (1559811) 2015-10-15

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[13] A1

[51] **Int.Cl. B65G 47/90 (2006.01) B65G 59/02 (2006.01) B65H 3/50 (2006.01)**

[25] FR

[54] **EXTRACTION DEVICE AND METHOD**

[54] **DISPOSITIF ET METHODE D'EXTRACTION**

[72] GAUTHERON, ANTHONY, FR

[71] C.E.R.M.E.X. CONSTRUCTIONS ETUDES ET RECHERCHES DE MATERIELS POUR L'EMBALLAGE D'EXPEDITION, FR

[85] 2018-04-13

[86] 2016-10-18 (PCT/FR2016/052688)

[87] (WO2017/072428)

[30] FR (1560451) 2015-10-30

[21] **3,001,994**
[13] A1

[51] **Int.Cl. A61K 47/50 (2017.01)**

[25] EN

[54] **A METHOD FOR ALTERING THE FUNCTIONAL STATE OF MRNA ALLOWING ITS SELECTIVE AND SPECIFIC RECOGNITION**

[54] **PROCEDE PERMETTANT DE MODIFIER L'ETAT FONCTIONNEL DE L'ARNM POUR PERMETTRE SA RECONNAISSANCE SELECTIVE ET SPECIFIQUE**

[72] RAZGA, FILIP, SK

[72] NEMETHOVA, VERONIKA, SK

[71] USTAV POLYMEROV SAV, SK

[85] 2018-04-13

[86] 2016-10-12 (PCT/SK2016/060002)

[87] (WO2017/065696)

[30] SK (PP 50065-2015) 2015-10-15

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[13] A1

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[25] EN

[54] **PRECAST REPLACEMENT SURFACES FOR CONTACT WITH HEATED METAL**

[54] **SURFACES DE REMPLACEMENT PRE-COULEES POUR MISE EN CONTACT AVEC UN METAL CHAUFFE**

[72] THIBODEAU, JOSHUA, US

[72] ROTHROCK, ELWOOD, US

[72] NELSON, VINCENT A., US

[71] VESUVIUS USA CORPORATION, US

[85] 2018-04-13

[86] 2016-09-27 (PCT/US2016/053910)

[87] (WO2017/074631)

[30] US (62/248,048) 2015-10-29

[21] **3,001,996**
[13] A1

[51] **Int.Cl. G02B 6/293 (2006.01)**

[25] EN

[54] **LARGE SCALE OPTICAL SWITCH USING ASYMMETRIC 1X2 ELEMENTS**

[54] **COMMUTATEUR OPTIQUE A GRANDE ECHELLE UTILISANT DES ELEMENTS 1X2 ASYMETRIQUES**

[72] WAGENER, JEFFERSON L., US

[71] NISTICA, INC., US

[85] 2018-04-13

[86] 2016-09-28 (PCT/US2016/054057)

[87] (WO2017/065971)

[30] US (14/883,051) 2015-10-14

[21] **3,001,999**
[13] A1

[51] **Int.Cl. G06Q 10/02 (2012.01) G06Q 10/06 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETERMINING CURRENTLY AVAILABLE CAPACITY FOR A SERVICE PROVIDER**

[54] **SYSTEMES ET PROCEDES POUR DETERMINER LA CAPACITE ACTUELLEMENT DISPONIBLE POUR UN FOURNISSEUR DE SERVICES**

[72] BHATTACHARJEE, MANASH, US

[72] GHOSH, DEBASHIS, US

[72] SHUKEN, RANDY, US

[71] MASTERCARD INTERNATIONAL INCORPORATED, US

[85] 2018-04-13

[86] 2016-09-30 (PCT/US2016/054629)

[87] (WO2017/065996)

[30] US (14/881,244) 2015-10-13

[21] **3,002,000**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**

[25] EN

[54] **ANTI-CD30 CHIMERIC ANTIGEN RECEPTORS**

[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES ANTI-CD30**

[72] KOCHENDERFER, JAMES N., US

[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2018-04-13

[86] 2016-10-10 (PCT/US2016/056262)

[87] (WO2017/066122)

[30] US (62/241,896) 2015-10-15

[21] **3,002,002**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) G06F 21/60 (2013.01) H04L 9/08 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **SECURE KEY FOB**

[54] **JETON DE SECURITE**

[72] CALL, WAYNE, US

[72] DEVRIES, CRAIG, US

[72] WARREN, JEREMY B., US

[72] CHILD, MICHAEL D., US

[71] VIVINT, INC., US

[85] 2018-04-13

[86] 2016-10-03 (PCT/US2016/055141)

[87] (WO2017/066025)

[30] US (14/885,615) 2015-10-16

[21] **3,002,003**
[13] A1

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**

[25] EN

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[54] **MESSAGERIE ADAPTABLE**

[72] SMETS, PATRIK, BE

[72] MAIN, JONATHAN JAMES, GB

[72] COLLINGE, MEHDI, BE

[71] MASTERCARD INTERNATIONAL INCORPORATED, US

[85] 2018-04-13

[86] 2016-10-05 (PCT/US2016/055450)

[87] (WO2017/066058)

[30] US (14/881,249) 2015-10-13

[21] **3,002,007**
[13] A1

[51] **Int.Cl. G06Q 50/02 (2012.01) A01B 79/02 (2006.01)**

[25] EN

[54] **A METHOD FOR RECOMMENDING SEEDING RATE FOR CORN SEED USING SEED TYPE AND SOWING ROW WIDTH**

[54] **PROCEDE DE RECOMMANDATION D'UN TAUX DE SEMIS DE GRAINES DE MAIS AU MOYEN D'UN TYPE DE GRAINE ET D'UNE LARGEUR DE LIGNE DE SEMIS**

[72] XU, LIJUAN, US

[72] LAMSAL, SANJAY, US

[71] THE CLIMATE CORPORATION, US

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[54] **COMPOSES UTILES EN TANT QU'IMMUNOMODULATEURS**

[72] YEUNG, KAP-SUN, US
[72] CONNOLLY, TIMOTHY P., US
[72] FRENNESSON, DAVID B., US
[72] GRANT-YOUNG, KATHARINE A., US
[72] HEWAWASAM, PIYASENA, US
[72] LANGLEY, DAVID R., US
[72] MENG, ZHAOXING, US
[72] MULL, ERIC, US
[72] PARCELLA, KYLE E., US
[72] SAULNIER, MARK GEORGE, US
[72] SUN, LI-QIANG, US
[72] WANG, ALAN XIANGDONG, US
[72] XU, NINGNING, US
[72] ZHU, JULIANG, US
[72] SCOLA, PAUL MICHAEL, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[30] US (15/290,167) 2016-10-11

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[13] A1

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[54] **EXTENSION TUBING STRAIN RELIEF**
[54] **REDUCTION DES CONTRAINTES DE TUBE DE RALLONGE**

[72] PETERSON, BART D., US
[72] BURKHOLZ, JONATHAN KARL, US
[72] BIHLMAIER, BRYAN FRED, US
[71] BECTON, DICKINSON AND COMPANY, US
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[13] A1

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[54] **SYSTEM AND METHOD FOR CONTINUOUS INJECTION MOLDING**
[54] **SYSTEME ET PROCEDE DE MOULAGE PAR INJECTION CONTINUE**

[72] WARD, COY DEL, US
[72] NEUFARTH, RALPH EDWIN, US
[72] ALTONEN, GENE MICHAEL, US
[72] HUANG, CHOW-CHI, US
[72] BERG, CHARLES JOHN, US
[71] IMFLUX INC., US
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[21] **3,002,014**
[13] A1

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[54] **CLOSED IV ACCESS DEVICE WITH Y-PORT NEEDLE-FREE CONNECTOR**
[54] **DISPOSITIF D'ACCES IV FERME DOTE D'UN RACCORD SANS AIGUILLE ET A ORIFICE EN Y**

[72] BURKHOLZ, JONATHAN KARL, US
[72] MANSOUR, GEORGE MICHEL, US
[72] YEH, JONATHAN, US
[71] CAREFUSION 303, INC., US
[85] 2018-04-13
[86] 2016-10-07 (PCT/US2016/056056)
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[30] US (62/247,690) 2015-10-28

[21] **3,002,016**
[13] A1

[51] **Int.Cl. A42B 1/24 (2006.01)**

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[54] **CONNECTION ASSEMBLY FOR ADJOINING A PERIPHERAL WITH A HOST WEARABLE DEVICE**
[54] **ENSEMBLE DE CONNEXION PERMETTANT D'ADJOINDRE UN PERIPHERIQUE A UN DISPOSITIF HOTE PORTABLE**

[72] DEY, SAIKAT, US
[72] REEPMEYER, GERRIT, US
[72] SENGUPTA, ANUPAM, US
[72] ZHAVORONKOV, MIKHAIL, US
[72] PERUMAL, SENNI, US
[72] FRIEDMAN, STEVEN, US
[71] GUARDHAT, INC., US
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[30] US (14/883,157) 2015-10-14
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[25] EN

[54] **CO-INJECTION WITH CONTINUOUS INJECTION MOLDING**

[54] **CO-INJECTION AVEC MOULAGE PAR INJECTION CONTINUE**

[72] WARD, COY DEL, US

[72] NEUFARTH, RALPH EDWIN, US

[72] ALTONEN, GENE MICHAEL, US

[72] HUANG, CHOW-CHI, US

[72] BERG, CHARLES JOHN, US

[71] IMFLUX INC., US

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[87] (WO2017/099721)

[21] **3,002,021**
[13] A1

[51] **Int.Cl. C12G 3/08 (2006.01) C12H 1/06 (2006.01) C12H 1/16 (2006.01) C12H 1/22 (2006.01)**

[25] EN

[54] **ALCOHOLIC BEVERAGE MATURING DEVICE**

[54] **DISPOSITIF DE MATURATION DE BOISSON ALCOOLISEE**

[72] BAILEY, EDWARD, US

[72] LINDSAY, NORMA, US

[71] TERRESSENTIA CORPORATION, US

[85] 2018-04-13

[86] 2016-10-11 (PCT/US2016/056338)

[87] (WO2017/066145)

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[13] A1

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[25] EN

[54] **A LUMINAIRE HAVING A BEACON AND A DIRECTIONAL ANTENNA**

[54] **LUMINAIRE AYANT UNE BALISE ET UNE ANTENNE DIRECTIONNELLE**

[72] BATAI, ROLAND, HU

[72] BULUMULLA, SELAKA BANDARA, US

[72] FEHER, GABOR, HU

[72] HARTMAN, MICHAEL JAMES, US

[72] HORVATH, ROBERT, HU

[72] TOROS, GABOR BALINT, HU

[71] GENERAL ELECTRIC COMPANY, US

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[21] **3,002,023**
[13] A1

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[25] EN

[54] **MULTILAYER COATING WITH VISUAL EFFECT**

[54] **REVETEMENT MULTICOUCHE A EFFET VISUEL**

[72] BELDEN, RYAN, US

[71] POLYNT COMPOSITES USA, INC., US

[85] 2018-04-13

[86] 2016-10-14 (PCT/US2016/057091)

[87] (WO2017/066604)

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[21] **3,002,024**
[13] A1

[51] **Int.Cl. E06B 1/04 (2006.01) E05D 15/06 (2006.01) E06B 3/42 (2006.01) E06B 3/46 (2006.01)**

[25] EN

[54] **SLIDING DOOR AND WINDOW ROLLER ASSEMBLY**

[54] **ENSEMBLE GALET POUR PORTE ET FENETRE COULISSANTE**

[72] FONTIJN, MARCEL, US

[72] KERN, THOMAS, US

[71] GOLDBRECHT INC., US

[85] 2018-04-12

[86] 2017-09-14 (PCT/US2017/051565)

[87] (WO2018/053131)

[30] US (62/395,014) 2016-09-15

[21] **3,002,025**
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**

[25] EN

[54] **CONTENT MANAGEMENT ON REMOTE DISPLAYS USING URL REWRITING**

[54] **GESTION DE CONTENUS SUR DES DISPOSITIFS D'AFFICHAGE A DISTANCE PAR LE BIAIS D'UNE REECRITURE D'UNE URL**

[72] JARNAGIN, ANDREW, US

[71] THE COCA-COLA COMPANY, US

[85] 2018-04-13

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[13] A1

[51] **Int.Cl. A41C 3/06 (2006.01) A41C 3/00 (2006.01) A41C 3/02 (2006.01) A41C 3/10 (2006.01) A41C 3/14 (2006.01)**

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[54] **STRAPLESS AND BACKLESS BRA**

[54] **SOUTIEN-GORGE SANS BRETelles ET SANS PARTIE DORSALE**

[72] EILEMBERG, NICOLE GARLAND, US

[71] EILEMBERG, NICOLE GARLAND, US

[85] 2018-04-13

[86] 2016-10-14 (PCT/US2016/057233)

[87] (WO2017/066716)

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[13] A1

[51] **Int.Cl. C07D 407/06 (2006.01) A61K 31/425 (2006.01) C07D 405/06 (2006.01)**

[25] EN

[54] **EPOTHILONE ANALOGS, METHODS OF SYNTHESIS, METHODS OF TREATMENT, AND DRUG CONJUGATES THEREOF**

[54] **ANALOGUES D'EPOTHILONE, PROCEDES DE SYNTHESE, PROCEDES DE TRAITEMENT, ET CONJUGUES MEDICAMENTEUX DE CEUX-CI**

[72] NICOLAOU, KYRIACOS C., US
[72] RHOADES, DEREK, US
[72] WANG, YANPING, US
[72] TOTOKOTSOPOULOS, SOTIRIOS, US

[71] WILLIAM MARSH RICE UNIVERSITY, US

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[21] **3,002,029**
[13] A1

[51] **Int.Cl. A61K 31/53 (2006.01) A61K 31/7068 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY FOR TREATING MALIGNANCIES**

[54] **POLYTHERAPIE POUR LE TRAITEMENT DE MALIGNITES**

[72] CHOPRA, VIVEK SAROJ KUMAR, US
[72] DIMARTINO, JORGE, US
[72] KENVIN, LAURIE A., US
[72] KNIGHT, ROBERT DOUGLAS, US
[72] MACBETH, KYLE, US
[72] VISWANADHAN, KRISHNAN, US
[72] XU, QIANG, US
[72] AGRESTA, SAMUEL V., US

[71] CELGENE CORPORATION, US
[71] AGIOS PHARMACEUTICALS, INC., US

[85] 2018-04-13
[86] 2016-10-14 (PCT/US2016/057102)
[87] (WO2017/066611)
[30] US (62/242,218) 2015-10-15

[21] **3,002,033**
[13] A1

[51] **Int.Cl. A61N 1/05 (2006.01) A61N 1/34 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR POSITIONING, IMPLANTING AND USING A STIMULATION LEAD**

[54] **APPAREIL ET PROCEDE DE POSITIONNEMENT, D'IMPLANTATION ET D'UTILISATION D'UN CONDUCTEUR DE STIMULATION**

[72] BOGGS, JOSEPH W., US
[72] WONGSARNPIGOON, AMORN, US
[72] DEBOCK, MATTHEW G., US
[72] MCGEE, MEREDITH J., US
[72] SELL, DEVIN, US
[72] STROTHER, ROBERT B., US

[71] SPR THERAPEUTICS, LLC, US

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[87] (WO2017/066734)
[30] US (62/242,205) 2015-10-15

[21] **3,002,028**
[13] A1

[51] **Int.Cl. A61M 5/168 (2006.01) A61B 5/00 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61B 90/00 (2016.01) A61M 5/172 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR SUBCUTANEOUS INJECTION WITH ELECTRIC NERVE STIMULATION**

[54] **PROCEDE ET APPAREIL POUR L'INJECTION SOUS-CUTANEE ASSOCIEE A LA STIMULATION NERVEUSE ELECTRIQUE**

[72] HOCHMAN, MARK N., US
[72] OSSER, LEONARD A., US
[71] MILESTONE SCIENTIFIC, INC., US

[85] 2018-04-13
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[87] (WO2017/066732)
[30] US (62/242,745) 2015-10-16
[30] US (15/062,685) 2016-03-07
[30] US (15/141,231) 2016-04-28

[21] **3,002,032**
[13] A1

[51] **Int.Cl. G06F 9/44 (2018.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DYNAMIC METADATA PERSISTENCE AND CORRELATION ON API TRANSACTIONS**

[54] **SYSTEME ET PROCEDE POUR LA PERSISTANCE ET LA CORRELATION DYNAMIQUES DE METADONNEES SUR DES TRANSACTIONS D'API**

[72] CORBIN, BRIAN, US
[72] DUNLEVY, TIM, US
[72] GOSNELL, DENISE K., US
[72] ALDRIDGE, MATT, US
[72] THOMAS, DOUG, US
[72] TANNER, TED, US
[71] POKITDOK, INC., US

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[30] US (15/294,341) 2016-10-14

[21] **3,002,034**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) H04L 9/32 (2006.01)**

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[54] **SYSTEMS AND METHODS FOR MANAGING DIGITAL IDENTITIES**

[54] **SYSTEMES ET PROCEDES DE GESTION D'IDENTITES NUMERIQUES**

[72] BHARGAVA, ALOK, US
[72] OBERHAUSER, ALEX, US
[72] COMMONS, MATTHEW, US
[71] CAMBRIDGE BLOCKCHAIN, LLC, US

[85] 2018-04-13
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[87] (WO2017/066715)
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[30] US (62/264,418) 2015-12-08
[30] US (62/325,880) 2016-04-21
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[13] A1

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[25] EN
[54] **SYSTEM AND METHOD FOR DATA COMPRESSION OVER A COMMUNICATION NETWORK**
[54] **SYSTEME ET PROCEDE POUR UNE COMPRESSION DE DONNEES SUR UN RESEAU DE COMMUNICATION**
[72] CHAOUA, YOUCEF, CA
[71] GE LIGHTING SOLUTIONS, LLC, US
[85] 2018-04-13
[86] 2016-10-18 (PCT/US2016/057485)
[87] (WO2017/070087)
[30] US (14/919,042) 2015-10-21

[21] **3,002,036**
[13] A1

[51] **Int.Cl. A61K 31/453 (2006.01) A61P 43/00 (2006.01) C07D 311/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING TRAUMATIC BRAIN INJURY**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'UNE LESION CEREBRALE TRAUMATIQUE**
[72] SCHRADER, DAVID A., US
[71] SCYTHIAN BIOSCIENCES INC., CA
[85] 2018-04-13
[86] 2016-10-17 (PCT/US2016/057304)
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[30] US (62/242,457) 2015-10-16

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[13] A1

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[25] EN
[54] **MEDICATION PACKAGING AND DISPENSING SYSTEM**
[54] **EMBALLAGE ET SYSTEME DE DISTRIBUTION DE MEDICAMENTS**
[72] KIM, LORI, US
[72] BREBAN-LOPEZ, ALEXANDRA, US
[72] MEDHAL, BHIMAPRASAD, US
[72] BOJICIC, DEJAN, US
[72] UPCHURCH, GUY, US
[72] FINCH, JOHN G., US
[72] SITA, LEWIS, US
[71] ABBVIE INC., US
[85] 2018-04-13
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[87] (WO2017/070049)
[30] US (62/243,436) 2015-10-19

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[13] A1

[51] **Int.Cl. H01R 13/58 (2006.01) H01R 12/00 (2006.01)**
[25] EN
[54] **COMMUNICATION OUTLET WITH SHUTTER MECHANISM AND WIRE MANAGER**
[54] **PRISE DE COMMUNICATION A MECANISME OBTURATEUR ET DISPOSITIF DE GESTION DE FIL**
[72] BRAGG, CHARLES, US
[72] ZIELKE, DARRELL W., US
[71] LEVITON MANUFACTURING CO., INC., US
[85] 2018-04-13
[86] 2016-10-11 (PCT/US2016/056374)
[87] (WO2017/066163)
[30] US (14/883,267) 2015-10-14
[30] US (15/135,870) 2016-04-22

[21] **3,002,041**
[13] A1

[51] **Int.Cl. G06F 15/173 (2006.01)**
[25] EN
[54] **CLIENT SERVICE PIPE CONFIGURATION**
[54] **CONFIGURATION DE CANAL DE COMMUNICATION DE SERVICE CLIENT**
[72] BOWDEN, JULIAN, US
[72] WISE, JOHN W., US
[72] SOS-MUNOZ, VICENT, US
[71] INVESTCLOUD INC., US
[85] 2018-04-13
[86] 2016-10-18 (PCT/US2016/057508)
[87] (WO2017/087112)
[30] US (14/942,114) 2015-11-16

[21] **3,002,042**
[13] A1

[51] **Int.Cl. H01R 13/646 (2011.01) H01R 13/66 (2006.01) H01R 24/00 (2011.01)**
[25] EN
[54] **COMMUNICATION CONNECTOR**
[54] **CONNECTEUR DE COMMUNICATION**
[72] RILEY, JON CLARK, US
[72] TAYLOR, BRET, US
[72] BRAGG, CHARLES, US
[72] ZIELKE, DARRELL W., US
[72] SAUTER, TOM, US
[72] WANG, HUA, US
[71] LEVITON MANUFACTURING CO., INC., US
[85] 2018-04-13
[86] 2016-10-12 (PCT/US2016/056499)
[87] (WO2017/066224)
[30] US (14/883,415) 2015-10-14

[21] **3,002,044**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) G05B 23/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR AUTO-CALIBRATING LIGHT DIMMERS**
[54] **PROCEDES ET DISPOSITIFS D'AUTO-ETALONNAGE DE GRADATEURS DE LUMIERE**
[72] CARTRETTE, JONATHAN P., US
[72] HORTON, PETER J., US
[71] THE WATT STOPPER, INC., US
[85] 2018-04-13
[86] 2016-10-12 (PCT/US2016/056613)
[87] (WO2017/066303)
[30] US (14/882,907) 2015-10-14

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[21] **3,002,046**
[13] A1

[51] **Int.Cl. C04B 24/26 (2006.01) C04B 28/14 (2006.01) C04B 40/00 (2006.01)**

[25] EN

[54] **WATER-RESISTANT GYPSUM PRODUCTS AND METHODS**

[54] **PRODUITS A BASE DE PLATRE RESISTANTS A L'EAU ET PROCEDES**

[72] HAJAKIAN, PAULA, US

[72] REED, PAUL W., US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2018-04-13

[86] 2016-10-13 (PCT/US2016/056711)

[87] (WO2017/069989)

[30] US (14/886,443) 2015-10-19

[21] **3,002,048**
[13] A1

[51] **Int.Cl. E01C 7/14 (2006.01) C04B 28/00 (2006.01) C04B 28/06 (2006.01) C04B 28/14 (2006.01)**

[25] EN

[54] **FREEZE-THAW DURABLE GEOPOLYMER COMPOSITIONS AND METHODS FOR MAKING SAME**

[54] **COMPOSITIONS DE GEOPOLYMERES RESISTANT A LA CONGELATION-DECONGELATION ET LEURS PROCEDES DE FABRICATION**

[72] DUBEY, ASHISH, US

[72] CHITHIRAPUTHIRAN, SUNDARARAMAN, US

[71] UNITED STATES GYPSUM COMPANY, US

[85] 2018-04-13

[86] 2016-10-13 (PCT/US2016/056720)

[87] (WO2017/069991)

[30] US (14/920,022) 2015-10-22

[21] **3,002,053**
[13] A1

[51] **Int.Cl. E04B 9/04 (2006.01) E04B 9/18 (2006.01) E04B 9/34 (2006.01)**

[25] EN

[54] **CEILING PANEL SYSTEM**

[54] **SYSTEME DE PANNEAUX DE PLAFOND**

[72] UNDERKOFER, ABRAHAM M., US

[72] GULBRANDSEN, PEDER J., US

[72] PAULSEN, MARK R., US

[71] USG INTERIORS, LLC, US

[85] 2018-04-13

[86] 2016-10-13 (PCT/US2016/056724)

[87] (WO2017/069993)

[30] US (14/919,813) 2015-10-22

[21] **3,002,055**
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01) H04N 21/43 (2011.01)**

[25] EN

[54] **RESOURCE RESPONSE EXPANSION**

[54] **EXTENSION DE REPONSE DE RESSOURCE**

[72] BUSAYARAT, SATA, US

[72] GAY, ALLEN ARTHUR, US

[72] FURTWANGLER, BRANDON C., US

[72] FURTWANGLER, STEVEN N., US

[71] HOME BOX OFFICE, INC., US

[85] 2018-04-13

[86] 2016-10-13 (PCT/US2016/056755)

[87] (WO2017/066393)

[30] US (62/240,888) 2015-10-13

[30] US (15/285,439) 2016-10-04

[21] **3,002,057**
[13] A1

[51] **Int.Cl. B23P 15/16 (2006.01) B23P 6/00 (2006.01) F02M 61/06 (2006.01) F02M 61/18 (2006.01)**

[25] EN

[54] **METHOD OF MODIFYING A CONVENTIONAL DIRECT INJECTOR AND MODIFIED INJECTOR ASSEMBLY**

[54] **PROCEDE DE MODIFICATION D'UN INJECTEUR DIRECT CLASSIQUE ET ENSEMBLE INJECTEUR MODIFIE**

[72] LOSCRUDATO, FRANK S., US

[72] BARROS NETO, OSANAN L., US

[71] NOSTRUM ENERGY PTE. LTD., SG

[85] 2018-04-13

[86] 2016-10-13 (PCT/US2016/056777)

[87] (WO2017/066407)

[30] US (62/242,660) 2015-10-16

[21] **3,002,058**
[13] A1

[51] **Int.Cl. C08B 31/00 (2006.01) C08F 251/00 (2006.01) C08F 251/02 (2006.01)**

[25] EN

[54] **BIODEGRADABLE ABSORBENT MATERIAL AND METHOD OF MANUFACTURE**

[54] **MATERIAU ABSORBANT BIODEGRADABLE ET PROCEDE DE FABRICATION**

[72] CHAMBERS, WILLIAM, US

[72] MCCLELLAND, PAUL, US

[71] TRYECO, LLC, US

[71] CHAMBERS, WILLIAM, US

[71] MCCLELLAND, PAUL, US

[85] 2018-04-13

[86] 2016-10-13 (PCT/US2016/056779)

[87] (WO2017/066408)

[30] US (14/884,172) 2015-10-15

[21] **3,002,060**
[13] A1

[51] **Int.Cl. B21B 1/22 (2006.01) B21B 27/00 (2006.01)**

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[54] **ENGINEERED WORK ROLL TEXTURING**

[54] **TEXTURATION FONCTIONNELLE DE CYLINDRES DE TRAVAIL**

[72] BASSI, CORRADO, CH

[72] MATHIEU, JOERG, CH

[72] GLOCK, SUSANNE, CH

[72] WINKLER, DANIEL, CH

[71] NOVELIS INC., US

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[86] 2016-10-13 (PCT/US2016/056795)

[87] (WO2017/066416)

[30] US (62/241,567) 2015-10-14

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[21] **3,002,062**
[13] A1

[51] **Int.Cl. A61B 90/00 (2016.01)**
[25] EN
[54] **IMPLANTABLE FASTENER FOR ATTACHMENT OF A MEDICAL DEVICE TO TISSUE**
[54] **DISPOSITIF DE FIXATION IMPLANTABLE POUR FIXATION D'UN DISPOSITIF MEDICAL A UN TISSU**
[72] LIMEM, SKANDER, US
[72] VAN NATTA, BRUCE, US
[72] CRISTADORO, KEVIN, US
[71] TEPHA, INC., US
[85] 2018-04-13
[86] 2016-10-13 (PCT/US2016/056861)
[87] (WO2017/066458)
[30] US (62/241,841) 2015-10-15

[21] **3,002,066**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **NATURAL KILLER CELLS AND ILC3 CELLS AND USES THEREOF**
[54] **CELLULES TUEUSES NATURELLES ET CELLULES ILC3, ET LEURS UTILISATIONS**
[72] ZHANG, XIAOKUI, US
[72] DJURETIC, IVANA, US
[72] KANG, LIN, US
[72] VOSKINARIAN-BERSE, VANESSA, US
[72] STOUT, BHAVANI, US
[72] HARIRI, ROBERT J., US
[72] HOFGARTNER, WOLFGANG, US
[72] EDINGER, JAMES, US
[72] LAW, ERIC, US
[72] JANKOVIC, VLADIMIR, US
[71] CELULARITY, INC., US
[85] 2018-04-13
[86] 2016-10-14 (PCT/US2016/056988)
[87] (WO2017/066530)
[30] US (62/242,246) 2015-10-15
[30] US (62/272,984) 2015-12-30
[30] US (62/403,571) 2016-10-03

[21] **3,002,067**
[13] A1

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[25] EN
[54] **COMBINATION THERAPY FOR TREATING MALIGNANCIES**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DE MALIGNITES**
[72] AGRESTA, SAMUEL V., US
[71] AGIOS PHARMACEUTICALS, INC., US
[85] 2018-04-13
[86] 2016-10-14 (PCT/US2016/057036)
[87] (WO2017/066566)
[30] US (62/242,267) 2015-10-15
[30] US (62/255,253) 2015-11-13

[21] **3,002,068**
[13] A1

[51] **Int.Cl. A61K 31/444 (2006.01) A61K 31/706 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07H 19/12 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR TREATING MALIGNANCIES**
[54] **POLYTHERAPIE POUR LE TRAITEMENT DE TUMEURS MALIGNES**
[72] AGRESTA, SAMUEL V., US
[72] VISWANADHAN, KRISHNAN, US
[72] DIMARTINO, JORGE, US
[72] CHOPRA, VIVEK SAROJ KUMAR, US
[72] MACBETH, KYLE J., US
[72] KNIGHT, ROBERT DOUGLAS, US
[72] KENVIN, LAURIE, US
[72] XU, QIANG, US
[71] AGIOS PHARMACEUTICALS, INC., US
[71] CELGENE CORPORATION, US
[85] 2018-04-13
[86] 2016-10-14 (PCT/US2016/057042)
[87] (WO2017/066571)
[30] US (62/242,282) 2015-10-15

[21] **3,002,070**
[13] A1

[51] **Int.Cl. A61K 38/06 (2006.01) A61K 31/13 (2006.01) A61K 31/135 (2006.01) A61K 31/496 (2006.01) A61K 31/519 (2006.01) A61K 31/551 (2006.01) A61K 31/5513 (2006.01) A61K 38/07 (2006.01) A61P 25/18 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMBINATION OF AN ATYPICAL ANTIPSYCHOTIC AND AN NMDA MODULATOR FOR THE TREATMENT OF SCHIZOPHRENIA, BIPOLAR DISORDER, COGNITIVE IMPAIRMENT AND MAJOR DEPRESSIVE DISORDER**
[54] **COMBINAISON PHARMACEUTIQUE D'UN ANTIPSYCHOTIQUE ATYPIQUE ET D'UN MODULATEUR DE NMDA POUR LE TRAITEMENT DE LA SCHIZOPHRENIE, D'UN TROUBLE BIPOLAIRE, D'UN TROUBLE COGNITIF ET D'UN TROUBLE DEPRESSIF MAJEUR**
[72] MOSKAL, JOSEPH R., US
[72] MELTZER, HEBERT, US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2018-04-13
[86] 2016-10-14 (PCT/US2016/057071)
[87] (WO2017/066590)
[30] US (62/242,633) 2015-10-16

[21] **3,002,071**
[13] A1

[51] **Int.Cl. H04W 8/00 (2009.01)**
[25] EN
[54] **NETWORK-BASED CONTROL FOR THE RELAYING OF DEVICE-TO-DEVICE DISCOVERY MESSAGES**
[54] **COMMANDE BASEE SUR UN RESEAU ET DESTINEE AU RELAIS DE MESSAGES DE DECOUVERTE DE DISPOSITIF A DISPOSITIF**
[72] HAMPEL, KARL GEORG, US
[72] LI, JUNYI, US
[72] PARK, VINCENT DOUGLAS, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-04-13
[86] 2016-10-31 (PCT/US2016/059706)
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[13] A1

[51] **Int.Cl. C09C 1/40 (2006.01) C01F 7/02 (2006.01) C08K 3/22 (2006.01)**

[25] EN

[54] **HYDROPHOBIC SURFACE MODIFIED ALUMINAS FOR POLYMER COMPOSITIONS AND METHOD FOR MAKING THEREOF**

[54] **ALUMINES MODIFIEES A SURFACE HYDROPHOBE POUR COMPOSITIONS POLYMERES ET PROCEDE POUR LES FABRIQUER**

[72] RABAIOLI, MARIA ROBERTA, US

[72] LOSCUTOVA, RYAN, US

[71] SASOL (USA) CORPORATION, US

[85] 2018-04-13

[86] 2016-10-28 (PCT/US2016/059294)

[87] (WO2017/075333)

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[21] **3,002,074**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 25/00 (2006.01)**

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[54] **VALBENZAZINE SALTS AND POLYMORPHS THEREOF**

[54] **SELS DE VALBENZAZINE ET POLYMORPHES ASSOCIES**

[72] MCGEE, KEVIN, US

[72] ZOOK, SCOTT, US

[72] CARR, ANDREW, GB

[72] BONNAUD, THIERRY, GB

[71] NEUROCRINE BIOSCIENCES, INC., US

[85] 2018-04-13

[86] 2016-10-28 (PCT/US2016/059306)

[87] (WO2017/075340)

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[21] **3,002,075**
[13] A1

[51] **Int.Cl. A01N 25/02 (2006.01) A01N 25/10 (2006.01) A01N 25/28 (2006.01) A01N 33/12 (2006.01) A01N 59/16 (2006.01) A01P 13/00 (2006.01) C11D 3/22 (2006.01)**

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[54] **SYSTEMS AND METHODS FOR SURFACE RETENTION OF FLUIDS**

[54] **SYSTEMES ET PROCEDES PERMETTANT LA RETENTION DE SURFACE DE FLUIDES**

[72] VARANASI, KRIPA K., US

[72] DAMAK, MAHER, US

[72] MAHMOUDI, SEYED REZA, US

[72] HYDER, NASIM, US

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

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[86] 2016-10-20 (PCT/US2016/057956)

[87] (WO2017/070375)

[30] US (62/243,736) 2015-10-20

[21] **3,002,076**
[13] A1

[51] **Int.Cl. A61F 11/00 (2006.01) A61B 17/24 (2006.01) A61B 17/3205 (2006.01)**

[25] EN

[54] **EAR CLEANING DEVICE WITH WHISK-LIKE BULBOUS ENDS**

[54] **DISPOSITIF DE NETTOYAGE DES OREILLES AVEC EXTREMITES BULBEUSES DE TYPE FOUET**

[72] GIAQUINTO, GIUSEPPINA, US

[71] WARES WORLD WIDE LLC, US

[85] 2018-04-13

[86] 2016-10-21 (PCT/US2016/058099)

[87] (WO2017/087123)

[30] US (62/257,012) 2015-11-18

[21] **3,002,078**
[13] A1

[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/35 (2015.01) A61M 1/00 (2006.01)**

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[54] **SYSTEMS AND METHODS FOR TUBE MANAGEMENT**

[54] **SYSTEMES ET PROCEDES DE GESTION DE TUBES**

[72] LOCKE, CHRISTOPHER, GB

[72] SEDDON, JAMES, GB

[72] PRATT, BENJAMIN A., GB

[72] FRIEDMAN, EVAN, US

[72] BARERE, AARON, US

[71] LIFECCELL CORPORATION, US

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[86] 2016-10-21 (PCT/US2016/058158)

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[21] **3,002,082**
[13] A1

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 9/10 (2006.01) A61K 31/439 (2006.01)**

[25] EN

[54] **ETHYLENE GLYCOL ETHER OF BUPRENORPHINE**

[54] **ETHER DE L'ETHYLENEGLYCOL DE BUPRENORPHINE**

[72] SINGH, NIKHILESH NIHALA, US

[71] ORPHOMED, INC., US

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[86] 2016-10-25 (PCT/US2016/058594)

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[30] US (62/246,211) 2015-10-26

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[13] A1

[51] **Int.Cl. A61F 2/16 (2006.01)**
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[54] **MODULAR INTRAOCULAR LENS DESIGNS, TOOLS AND METHODS**
[54] **CONCEPTIONS DE LENTILLES INTRAOCULAIRES MODULAIRES, OUTILS ET PROCEDES**
[72] KAHOOK, MALIK Y., US
[72] SUSSMAN, GLENN, US
[72] ZACHER, RUDOLPH F., US
[72] MCLEAN, PAUL J., US
[72] UY, HARVEY, PH
[72] SOLOMON, KERRY, US
[72] CIONNI, ROBERT, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[71] CLARVISTA MEDICAL, INC., US
[85] 2018-04-13
[86] 2016-11-03 (PCT/US2016/060350)
[87] (WO2017/079449)
[30] US (62/250,780) 2015-11-04
[30] US (62/256,579) 2015-11-17
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[21] **3,002,088**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR NUCLEIC ACID SIZE DETECTION OF REPEAT SEQUENCES**
[54] **PROCEDES DE DETECTION DE LA DIMENSION D'UN ACIDE NUCLEIQUE DE SEQUENCES DE REPETITION**
[72] BRAM, ERAN, US
[72] SHROFF, RAGHAV, US
[72] HADD, ANDREW, US
[72] PRINTY, BLAKE, US
[71] ASURAGEN, INC., US
[85] 2018-04-13
[86] 2016-11-03 (PCT/US2016/060389)
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[21] **3,002,091**
[13] A1

[51] **Int.Cl. G21B 1/05 (2006.01) G21B 1/00 (2006.01) G21B 1/11 (2006.01) G21D 7/00 (2006.01) H05H 1/12 (2006.01) H05H 1/14 (2006.01) H05H 1/16 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR FRC PLASMA POSITION STABILITY**
[54] **SYSTEMES ET PROCEDES DESTINES A STABILISER LA POSITION DE PLASMA FRC**
[72] GONZALEZ, JESUS ANTONIO ROMERO, US
[71] TAE TECHNOLOGIES, INC., US
[85] 2018-04-13
[86] 2016-11-13 (PCT/US2016/061730)
[87] (WO2017/083796)
[30] US (62/255,258) 2015-11-13
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[21] **3,002,093**
[13] A1

[51] **Int.Cl. A45D 40/26 (2006.01) A45D 34/00 (2006.01) A45D 34/04 (2006.01) B43K 1/08 (2006.01) B43K 5/18 (2006.01) B43K 7/10 (2006.01)**
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[54] **ROLLER-BALL PAINT MARKER**
[54] **MARQUEUR DE PEINTURE A BILLE ROULANTE**
[72] OREM, CHRISTOPHER P., US
[72] AMABILE, ROBERT N., US
[72] BEDOYA, VICTOR, US
[72] HOWELL, JORDAN, US
[72] LAGUATAN, ROSELD V., US
[72] MCBRIDE, JOHN D., JR., US
[72] MELVILLE, DOUGLAS, US
[72] VADAKETH, LEENA, US
[71] CRAYOLA, LLC, US
[85] 2018-04-13
[86] 2016-11-16 (PCT/US2016/062206)
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[30] US (62/255,816) 2015-11-16
[30] US (15/352,285) 2016-11-15

[21] **3,002,095**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AUTOIMMUNE DISEASES AND CANCERS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE MALADIES AUTO-IMMUNES ET DE CANCERS**
[72] CHEN, LIEPING, US
[72] WANG, JUN, US
[72] SUN, JINGWEI, US
[71] YALE UNIVERSITY, US
[85] 2018-04-13
[86] 2016-11-09 (PCT/US2016/061086)
[87] (WO2017/083354)
[30] US (62/253,437) 2015-11-10

[21] **3,002,096**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REMOTE AND HOST MONITORING COMMUNICATIONS**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATIONS DE SURVEILLANCE A DISTANCE ET HOTE**
[72] MAHALINGAM, AARTHI, US
[72] CABRERA, ESTEBAN, JR., US
[72] DATTARAY, BASAB, US
[72] DRAEGER, RIAN, US
[72] DUNN, LAURA J., US
[72] ESCOBAR, DEREK JAMES, US
[72] HALL, THOMAS, US
[72] HAMPAPURAM, HARI, US
[72] KAMATH, APURV ULLAS, US
[72] KOHLER, KATHERINE YERRE, US
[72] MAYOU, PHIL, US
[72] MENSINGER, MICHAEL ROBERT, US
[72] MOORE, MICHAEL LEVOZIER, US
[72] PAL, ANDREW ATTILA, US
[72] POLYTARIDIS, NICHOLAS, US
[72] REIHMAN, ELI, US
[72] SMITH, BRIAN CHRISTOPHER, US
[71] DEXCOM, INC., US
[85] 2018-04-13
[86] 2016-12-13 (PCT/US2016/066399)
[87] (WO2017/116692)
[30] US (62/271,840) 2015-12-28

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[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/00 (2006.01) C07K 16/30 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **GLYCAN-INTERACTING COMPOUNDS AND METHODS OF USE**

[54] **COMPOSES INTERAGISSANT AVEC LE GLYCANE ET METHODES D'UTILISATION**

[72] EAVARONE, DAVID A., US

[72] PRENDERGAST, JILLIAN M., US

[72] BEHRENS, JEFFREY, US

[72] LUGOVSKOY, ALEXEY ALEXANDROVICH, US

[72] DRANSFIELD, DANIEL T., US

[71] SIAMAB THERAPEUTICS, INC., US

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[87] (WO2017/083582)

[30] US (62/254,278) 2015-11-12

[30] US (62/274,572) 2016-01-04

[30] US (62/287,666) 2016-01-27

[30] US (62/293,989) 2016-02-11

[30] US (62/345,515) 2016-06-03

[30] US (62/382,835) 2016-09-02

[21] **3,002,099**
[13] A1

[51] **Int.Cl. A61B 5/1473 (2006.01) A61B 5/1486 (2006.01)**

[25] EN

[54] **DIFFUSION RESISTANCE LAYER FOR ANALYTE SENSORS**

[54] **COUCHE ANTI-DIFFUSION POUR CAPTEURS D'ANALYTES**

[72] ZOU, JIONG, US

[72] BOOCK, ROBERT J., US

[72] DENNIS, ANDREW TRININ, US

[72] LEE, TED TANG, US

[72] SURI, JEFF T., US

[72] SZE, DAVID, US

[72] TAPSAK, MARK A., US

[72] WANG, SHANGER, US

[72] ZHANG, HUASHI, US

[71] DEXCOM, INC., US

[85] 2018-04-13

[86] 2016-12-29 (PCT/US2016/069342)

[87] (WO2017/117469)

[30] US (62/273,219) 2015-12-30

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[30] US (62/273,142) 2015-12-30

[21] **3,002,101**
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01) E02F 9/26 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DETECTING HEAVY MACHINE WEAR**

[54] **PROCEDES ET SYSTEMES DE DETECTION D'USURE D'EQUIPEMENT LOURD**

[72] NICOSON, RICHARD, US

[72] POPP, JAMES R., US

[72] SCHLEGEL, DANIEL, US

[72] POMERENKE, KEITH, US

[71] HARNISCHFEGER TECHNOLOGIES, INC., US

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[86] 2016-11-11 (PCT/US2016/061590)

[87] (WO2017/083691)

[30] US (62/254,491) 2015-11-12

[21] **3,002,102**
[13] A1

[51] **Int.Cl. B60Q 1/26 (2006.01) B60Q 1/52 (2006.01) B60Q 7/00 (2006.01) E01F 9/00 (2016.01) G08G 1/127 (2006.01) G09F 13/04 (2006.01) G09F 21/04 (2006.01)**

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[54] **SIGNAL LIGHT**

[54] **DISPOSITIF LUMINEUX DE PRESIGNALISATION**

[72] STELZL, THOMAS KURT, AT

[71] STELZL, THOMAS KURT, AT

[85] 2018-04-16

[86] 2016-10-14 (PCT/AT2016/060076)

[87] (WO2017/063013)

[30] AT (A 50875/2015) 2015-10-14

[21] **3,002,103**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 47/07 (2012.01) E21B 43/295 (2006.01) E21B 47/06 (2012.01)**

[25] EN

[54] **METHODS FOR HYDRAULIC FRACTURING**

[54] **PROCEDES DE FRACTURATION HYDRAULIQUE**

[72] AGUILERA, ROBERTO, CA

[72] OROZCO, DANIEL, CA

[72] SELVAN, KARTHIKEYAN, CA

[72] QURESHI, FAISAL, CA

[71] NEXEN ENERGY ULC, CA

[71] AGUILERA, ROBERTO, CA

[71] OROZCO, DANIEL, CA

[85] 2018-04-16

[86] 2016-10-14 (PCT/CA2016/000258)

[87] (WO2017/063073)

[30] US (62/241,445) 2015-10-14

[21] **3,002,104**
[13] A1

[51] **Int.Cl. E21B 43/00 (2006.01) G06Q 10/04 (2012.01) E21B 43/30 (2006.01)**

[25] EN

[54] **EXPLORATIVE SAMPLING OF NATURAL MINERAL RESOURCE DEPOSITS**

[54] **ECHANTILLONNAGE D'EXPLORATION DES DEPOTS DE RESSOURCES MINERALES NATURELLES**

[72] DASYS, ANDREW, CA

[72] BILAL, NEHME, CA

[71] 1789703 ONTARIO LTD., CA

[85] 2018-04-16

[86] 2016-12-16 (PCT/CA2016/051494)

[87] (WO2017/100936)

[30] CA (2,915,802) 2015-12-18

[21] **3,002,105**
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01) E05B 67/22 (2006.01) G07C 9/00 (2006.01)**

[25] EN

[54] **ELECTRONIC SENSOR AND KEY OPERATED LOCK**

[54] **CAPTEUR ELECTRONIQUE ET VERROU ACTIONNE PAR CLE**

[72] CABRAL HERRERA, ROBERTO, US

[71] CABRAL HERRERA, ROBERTO, US

[85] 2018-04-13

[86] 2017-04-28 (PCT/US2017/030251)

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[30] US (15/089,363) 2016-04-01

[30] US (15/380,868) 2016-12-15

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[13] A1

[51] **Int.Cl. A61M 5/168 (2006.01) A61M 39/26 (2006.01)**
[25] EN
[54] **DEVICE FOR LIMITING THE INJECTION PRESSURE OF A MEDICAL INSTRUMENT FOR INTRODUCING A FLUID**
[54] **PROCEDE POUR LIMITER LA PRESSION D'INJECTION D'UN INSTRUMENT MEDICAL POUR INJECTER UN FLUIDE**
[72] CAPDEVILA, XAVIER, FR
[72] CHOQUET, OLIVIER, FR
[72] DESAI, SIDDHARTH, US
[71] PAJUNK GMBH
MEDIZINTECHNOLOGIE, DE
[85] 2018-04-16
[86] 2016-06-10 (PCT/EP2016/063389)
[87] (WO2017/071833)
[30] US (62/285,447) 2015-10-30

[21] **3,002,107**
[13] A1

[51] **Int.Cl. G06Q 50/22 (2018.01)**
[25] EN
[54] **USED NARCOTIC OR CONTROLLED SUBSTANCE CONTAINER RETURN AND TRACKING FOR AUTOMATED MEDICATED DISPENSING MACHINES**
[54] **RENOI ET SUIVI DE CONTENANTS DE SUBSTANCE NARCOTIQUE OU CONTROLEE USAGES DE MACHINES AUTOMATISEES DE DISTRIBUTION DE MEDICAMENTS**
[72] DAKE, MARTIN WILLIAM, US
[72] YUE, JUN, CN
[72] ZHAO, DAN, CN
[72] WU, TIAN SUN, CN
[71] INTERMETRO INDUSTRIES CORPORATION, US
[85] 2018-04-16
[86] 2015-09-21 (PCT/CN2015/090155)
[87] (WO2017/049435)

[21] **3,002,108**
[13] A1

[51] **Int.Cl. B26D 1/00 (2006.01)**
[25] EN
[54] **ROTATIONALLY ACTUATABLE BLADE, PARTICULARLY FOR AUTOMATIC INDUSTRIAL SLICING MACHINES**
[54] **LAME ACTIONNABLE PAR ROTATION, DESTINEE EN PARTICULIER A DES MACHINES DE DECOUPE INDUSTRIELLE AUTOMATISEE**
[72] SCATTOLIN, GAETANO, IT
[71] SLAYER BLADES S.R.L., IT
[85] 2018-04-16
[86] 2016-06-13 (PCT/EP2016/063531)
[87] (WO2017/076520)
[30] IT (102015000068182) 2015-11-03

[21] **3,002,110**
[13] A1

[51] **Int.Cl. G06F 19/14 (2011.01) G06F 19/22 (2011.01) G06F 19/28 (2011.01)**
[25] EN
[54] **METHODS ASSOCIATED WITH A DATABASE THAT STORES A PLURALITY OF REFERENCE GENOMES**
[54] **PROCEDES ASSOCIES A UNE BASE DE DONNEES CONSERVANT UNE PLURALITE DE GENOMES DE REFERENCE**
[72] LAWLEY, TREVOR D., GB
[72] BROWNE, HILARY P., GB
[72] FORSTER, SAM C., GB
[71] GENOME RESEARCH LIMITED, GB
[85] 2018-04-16
[86] 2016-10-14 (PCT/EP2016/074739)
[87] (WO2017/064263)
[30] GB (1518364.3) 2015-10-16

[21] **3,002,111**
[13] A1

[51] **Int.Cl. A61K 8/365 (2006.01) A61K 8/67 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **SKIN CARE COMPOSITION AND METHOD THEREOF**
[54] **COMPOSITION DE SOIN DE LA PEAU ET PROCEDE ASSOCIE**
[72] TOMLINSON, PAUL JAMES, GB
[72] JOHNSON, MARK, GB
[72] HICKS, JAKE THOMAS, GB
[71] THE BOOTS COMPANY PLC, GB
[85] 2018-04-16
[86] 2016-10-25 (PCT/EP2016/025124)
[87] (WO2017/071820)
[30] GB (1519184.4) 2015-10-30

[21] **3,002,112**
[13] A1

[51] **Int.Cl. F28G 15/02 (2006.01) F28G 15/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR CLEANING AN OBJECT SUCH AS A HEAT EXCHANGER**
[54] **SYSTEME DE NETTOYAGE D'UN OBJET TEL QU'UN ECHANGEUR DE CHALEUR**
[72] BRUMFIELD, MICHAEL KENNETH, US
[71] PEINEMANN EQUIPMENT B.V., NL
[85] 2018-04-16
[86] 2016-10-14 (PCT/EP2016/074753)
[87] (WO2017/064273)
[30] US (62/242,506) 2015-10-16

[21] **3,002,113**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/4166 (2006.01) A61K 31/4178 (2006.01) A61K 47/40 (2006.01)**
[25] EN
[54] **AQUEOUS COMPOSITION COMPRISING DANTROLENE**
[54] **COMPOSITION AQUEUSE COMPRENANT DU DANTROLENE**
[72] SCHWEBEL, HERVE JEAN, FR
[72] ADAMO, VINCENT, CH
[71] B. BRAUN MELSUNGEN AG, DE
[85] 2018-04-16
[86] 2016-10-19 (PCT/EP2016/075086)
[87] (WO2017/067980)
[30] EP (15190601.3) 2015-10-20
[30] EP (16174999.9) 2016-06-17

PCT Applications Entering the National Phase

[21] **3,002,114**
[13] A1

[51] **Int.Cl. H01F 38/14 (2006.01) H01Q 7/06 (2006.01) H04B 5/00 (2006.01)**

[25] EN

[54] **AN INDUCTIVE POWER TRANSFER UNIT, A SYSTEM FOR INDUCTIVE POWER TRANSFER AND A METHOD OF COMMUNICATING**

[54] **UNITE DE TRANSFERT INDUCTIF DE PUISSANCE, SYSTEME DE TRANSFERT INDUCTIF DE PUISSANCE ET PROCEDE DE COMMUNICATION**

[72] KLINGSPOR, ALEXANDER, DE

[72] WECHSLER, SIMON, DE

[72] REINERSMANN, UWE, DE

[72] CZAINSKI, ROBERT, PL

[71] BOMBARDIER PRIMOVE GMBH, DE

[85] 2018-04-16

[86] 2016-10-17 (PCT/EP2016/074889)

[87] (WO2017/064326)

[30] GB (1518313.0) 2015-10-16

[21] **3,002,115**
[13] A1

[51] **Int.Cl. A47J 43/07 (2006.01) A47J 27/00 (2006.01) A47J 27/10 (2006.01) A47J 43/044 (2006.01)**

[25] FR

[54] **FOOD PROCESSOR COMPRISING A BAIN-MARIE**

[54] **ROBOT DE CUISINE AVEC BAIN-MARIE**

[72] SMAL, OLIVIER, BE

[72] GOERING, ALAIN, BE

[71] BABYLISS FACO SPRL, BE

[85] 2018-04-16

[86] 2016-10-18 (PCT/EP2016/074962)

[87] (WO2017/067919)

[30] EP (15190954.6) 2015-10-22

[21] **3,002,116**
[13] A1

[51] **Int.Cl. C08L 23/12 (2006.01) C08F 10/06 (2006.01) C08L 23/16 (2006.01)**

[25] EN

[54] **HETEROPHASIC COMPOSITION**

[54] **COMPOSITION HETEROPHASIQUE**

[72] GRESTENBERGER, GEORG, AT

[72] KAHLLEN, SUSANNE, AT

[72] SANDHOLZER, MARTINA, AT

[72] POTTER, GREGORY, AT

[71] BOREALIS AG, AT

[85] 2018-04-16

[86] 2016-10-21 (PCT/EP2016/075304)

[87] (WO2017/068088)

[30] EP (15191181.5) 2015-10-23

[21] **3,002,117**
[13] A1

[51] **Int.Cl. A61K 39/104 (2006.01) A61K 39/385 (2006.01) A61P 31/04 (2006.01) C07K 14/21 (2006.01) A61K 39/00 (2006.01)**

[25] EN

[54] **P. AERUGINOSA PCR-V-LINKED ANTIGEN VACCINES**

[54] **VACCIN A ANTIGENE LIE A PCR-V DE P. AERUGINOSA**

[72] FERON, CHRISTIANE MARIE-PAULE SIMONE JEANNE, BE

[72] KEMMLER, STEFAN JOCHEN, CH

[72] KOWARIK, MICHAEL THOMAS, CH

[72] QUEBATTE, JULIEN LAURENT, CH

[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE

[85] 2018-04-16

[86] 2016-10-19 (PCT/EP2016/075048)

[87] (WO2017/067964)

[30] GB (1518668.7) 2015-10-21

[21] **3,002,118**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR USER SPECIFIC DATA TRANSMISSION WITH IMPROVED DATA PROTECTION**

[54] **SYSTEMES ET PROCEDES DE TRANSMISSION DE DONNEES SPECIFIQUES A UN UTILISATEUR, AVEC PROTECTION DES DONNEES AMELIOREE**

[72] JANKOWFSKY, ERIC, DE

[72] SCHNEIDER, ALEXANDER, DE

[71] TALIHU GMBH, DE

[85] 2018-04-16

[86] 2016-10-21 (PCT/EP2016/075398)

[87] (WO2017/076664)

[30] EP (15192615.1) 2015-11-02

[21] **3,002,119**
[13] A1

[51] **Int.Cl. C08G 18/62 (2006.01) C08G 18/08 (2006.01) C08G 18/10 (2006.01) C08G 18/24 (2006.01) C08G 18/32 (2006.01) C08G 18/34 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/46 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01) C09D 175/06 (2006.01)**

[25] EN

[54] **AQUEOUS BASECOAT MATERIALS COMPRISING CROSSLINKED POLYURETHANE BINDERS AND A SPECIFIC SOLVENT COMPOSITION**

[54] **PEINTURE DE BASE AQUEUSE CONTENANT DES LIANTS A BASE DE POLYURETHANE RETICULES ET COMPOSITION DE SOLVANT SPECIALE**

[72] STEINMETZ, BERNHARD, DE

[72] JANKOWSKI, PEGGY, DE

[72] LUHMANN, NADIA, DE

[72] MATURA, MICHAEL, DE

[72] REUTER, HARDY, DE

[71] BASF COATINGS GMBH, DE

[85] 2018-04-16

[86] 2016-10-31 (PCT/EP2016/076187)

[87] (WO2017/076786)

[30] EP (15192706.8) 2015-11-03

Demandes PCT entrant en phase nationale

[21] **3,002,120**
[13] A1

[51] **Int.Cl. C12P 21/00 (2006.01)**
[25] EN
[54] **METHODS FOR MODULATING PRODUCTION PROFILES OF RECOMBINANT PROTEINS**
[54] **PROCEDES DE MODULATION DE PROFILS DE PRODUCTION DE PROTEINES RECOMBINEES**
[72] BRUHLMANN, DAVID, CH
[72] JORDAN, MARTIN, CH
[71] ARES TRADING S.A., CH
[85] 2018-04-16
[86] 2016-11-09 (PCT/EP2016/077159)
[87] (WO2017/081093)
[30] EP (15194105.1) 2015-11-11

[21] **3,002,121**
[13] A1

[51] **Int.Cl. A47L 13/16 (2006.01) A47L 17/00 (2006.01) A61K 8/02 (2006.01) D06N 7/00 (2006.01)**
[25] EN
[54] **CLEANING ARTICLE HAVING AN ABSORBENT BASE MATERIAL**
[54] **ARTICLE NETTOYANT POURVU D'UN MATERIAU DE BASE ABSORBANT**
[72] MANGOLD, RAINER, DE
[72] ROEMPP, ANGELA, DE
[72] ARKHIPOVA, MARIA, DE
[71] CMC CONSUMER MEDICAL CARE GMBH, DE
[85] 2018-04-16
[86] 2016-11-11 (PCT/EP2016/077482)
[87] (WO2017/081285)
[30] EP (15194393.3) 2015-11-12

[21] **3,002,122**
[13] A1

[51] **Int.Cl. B01D 53/32 (2006.01) B03C 3/12 (2006.01) B03C 3/36 (2006.01) B03C 3/38 (2006.01) B03C 3/41 (2006.01) F24F 3/16 (2006.01)**
[25] EN
[54] **AIR CLEANING DEVICE AND APPARATUS**
[54] **DISPOSITIF ET APPAREIL DE NETTOYAGE D'AIR**
[72] GRIFFITHS, GEORGE, GB
[72] GAY, GEOFFREY NORMAN WALTER, GB
[72] GASKELL, MARK, GB
[71] DARWIN TECHNOLOGY INTERNATIONAL LIMITED, GB
[85] 2018-04-16
[86] 2016-10-20 (PCT/GB2016/053284)
[87] (WO2017/068355)
[30] GB (1518713.1) 2015-10-22

[21] **3,002,123**
[13] A1

[51] **Int.Cl. A01N 31/06 (2006.01) A01N 31/16 (2006.01) A01N 63/04 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) A01P 5/00 (2006.01) A01P 7/04 (2006.01)**
[25] EN
[54] **NATURAL BROAD-SPECTRUM BIOCIDES**
[54] **BIOCIDES NATURELS A LARGE SPECTRE**
[72] GONZALEZ COLOMA, AZUCENA, ES
[72] ANDRES YEVES, MARIA FE, ES
[72] DIAZ HERNANDEZ, CARMEN ELISA, ES
[72] REINA ARTILES, MATIAS, ES
[72] LACRET PIMIENTA, RODNEY, ES
[72] CABRERA PEREZ, RAIMUNDO, ES
[72] GIMENEZ MARINO, CRISTINA, ES
[72] KAUSHIK, NUTAN, IN
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES
[71] UNIVERSIDAD DE LA LAGUNA, ES
[71] THE ENERGY AND RESOURCES INSTITUTE (TERI), IN
[85] 2018-04-16
[86] 2016-10-21 (PCT/ES2016/070746)
[87] (WO2017/068223)
[30] ES (P201531527) 2015-10-23

[21] **3,002,124**
[13] A1

[51] **Int.Cl. A45C 11/00 (2006.01) B63B 35/79 (2006.01) B65D 81/02 (2006.01)**
[25] EN
[54] **A CASE OR COVER FOR HOBBY EQUIPMENT**
[54] **BOITIER OU COUVERCLE POUR EQUIPEMENT DE LOISIRS**
[72] BLADD-SYMMMS, PETER, GB
[72] TITLEY, MICHAEL, GB
[71] PAUA TRADING LIMITED, GB
[85] 2018-04-16
[86] 2016-10-21 (PCT/GB2016/053303)
[87] (WO2017/068369)
[30] GB (1518661.2) 2015-10-21
[30] GB (1615819.8) 2016-09-16
[30] GB (1615821.4) 2016-09-16
[30] GB (1616944.3) 2016-10-05
[30] GB (1617576.2) 2016-10-17

[21] **3,002,125**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) C12N 9/64 (2006.01)**
[25] EN
[54] **GENE THERAPY**
[54] **THERAPIE GENIQUE**
[72] GROENDAHL, CHRISTIAN, GB
[72] FUNNELL, TIM, GB
[72] HOLLOWOOD, CHRIS, GB
[71] SYNCONA INVESTMENT MANAGEMENT LIMITED, GB
[85] 2018-04-16
[86] 2016-10-27 (PCT/GB2016/053343)
[87] (WO2017/072515)
[30] GB (1519086.1) 2015-10-28

[21] **3,002,126**
[13] A1

[51] **Int.Cl. B02C 13/09 (2006.01) B02C 19/00 (2006.01)**
[25] EN
[54] **DEVICE FOR BREAKING GLASS**
[54] **DISPOSITIF POUR CASSER DU VERRE**
[72] WEBB, IAN, GB
[72] ANCKETILL, PETER, GB
[71] GLASSBUSTERS LIMITED, GB
[85] 2018-04-16
[86] 2015-10-15 (PCT/GB2015/053069)
[87] (WO2016/059420)
[30] GB (1418285.1) 2014-10-15

PCT Applications Entering the National Phase

[21] **3,002,127**
[13] A1

[51] **Int.Cl. H01R 24/38 (2011.01) H01R 13/24 (2006.01) H01R 13/52 (2006.01) H01R 13/627 (2006.01) H01R 35/04 (2006.01)**

[25] FR

[54] **MULTIPOLAR CONNECTOR**

[54] **CONNECTEUR MULTIPOLAIRE**

[72] STORIONE, SAVINO, CH

[72] CONVERT, NICOLAS, CH

[72] BUCHILLY, JEAN-MARIE, CH

[71] FISCHER CONNECTORS HOLDING S.A., CH

[85] 2018-04-16

[86] 2016-10-13 (PCT/IB2016/056139)

[87] (WO2017/072620)

[30] IB (PCT/IB2015/058257) 2015-10-27

[30] IB (PCT/IB2016/052275) 2016-04-21

[21] **3,002,128**
[13] A1

[51] **Int.Cl. G01P 5/24 (2006.01) G01S 15/58 (2006.01)**

[25] EN

[54] **IMPROVED BEAM SHAPING ACOUSTIC SIGNAL TRAVEL TIME FLOW METER**

[54] **DEBITMETRE A TEMPS DE PARCOURS ACOUSTIQUE AVEC FORMATION DE FAISCEAU AMELIOREE**

[72] HIES, THOMAS WERNER, SG

[72] SKRIPALLE, JUERGEN HEINZ-FRIEDRICH, DE

[72] LUONG, TRUNG DUNG, SG

[72] OHL, CLAUDIUS-DIETER, SG

[71] GWF MESSSYSTEME AG, CH

[85] 2018-04-16

[86] 2016-01-18 (PCT/IB2016/050218)

[87] (WO2017/125781)

[21] **3,002,129**
[13] A1

[51] **Int.Cl. A23N 15/08 (2006.01) A23N 5/00 (2006.01) A47J 17/18 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PEELING BEANS**

[54] **DISPOSITIF ET PROCEDE PERMETTANT DE PELER DES GRAINES**

[72] ALUKO, OLANREWAJU, NG

[71] ALUKO, OLANREWAJU, NG

[85] 2018-04-16

[86] 2015-10-19 (PCT/IB2015/058009)

[87] (WO2017/068390)

[21] **3,002,130**
[13] A1

[51] **Int.Cl. A61K 8/25 (2006.01) A61K 33/00 (2006.01) A61P 17/02 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **PHYLLOSILICATE COMPOSITIONS AND USES THEREOF FOR SKIN CELL REGENERATION**

[54] **COMPOSITIONS DE PHYLLOSILICATE ET LEURS UTILISATIONS POUR LA REGENERATION DE CELLULES CUTANEEES**

[72] BOURGETEAU, VINCENT, FR

[72] FORDIANI, FABRIZIO, FR

[71] EPHYLA SAS, FR

[85] 2018-04-16

[86] 2016-10-17 (PCT/IB2016/056230)

[87] (WO2017/064686)

[30] US (62/242,094) 2015-10-15

[21] **3,002,131**
[13] A1

[51] **Int.Cl. E04B 1/21 (2006.01) E04B 1/24 (2006.01) E04B 1/41 (2006.01) E04B 1/58 (2006.01) F16B 13/04 (2006.01) F16S 3/00 (2006.01)**

[25] EN

[54] **SUPPORT APPARATUS AND ITS COMPONENTS**

[54] **APPAREIL DE SUPPORT ET SES COMPOSANTS**

[72] NG, WEE BENG, SG

[72] WYATT, GARY DONALD, AU

[71] 2ELMS PTE. LTD., SG

[85] 2018-04-16

[86] 2016-10-06 (PCT/SG2016/050491)

[87] (WO2017/069698)

[30] SG (10201508699Y) 2015-10-21

[21] **3,002,132**
[13] A1

[51] **Int.Cl. C12G 1/032 (2006.01)**

[25] EN

[54] **IMPROVED FERMENTER**

[54] **FERMENTEUR AMELIORE**

[72] MARIN, FRANCESCO, IT

[71] CASTLE COMMERCIAL ENTERPRISES LIMITED, IE

[85] 2018-04-16

[86] 2016-11-10 (PCT/IB2016/056763)

[87] (WO2017/085596)

[30] IT (102015000073366) 2015-11-17

[21] **3,002,134**
[13] A1

[51] **Int.Cl. A61J 7/00 (2006.01) A61M 15/00 (2006.01) G06F 19/00 (2018.01)**

[25] EN

[54] **IMAGE RECOGNITION-BASED DOSAGE FORM DISPENSERS**

[54] **DISTRIBUTEURS DE FORME DE DOSAGE BASES SUR LA RECONNAISSANCE D'IMAGE**

[72] PAZ, ILAN, IL

[71] DOSENTRX LTD., IL

[85] 2018-04-16

[86] 2016-10-13 (PCT/IL2016/051109)

[87] (WO2017/064709)

[30] US (62/241,808) 2015-10-15

[30] US (62/406,012) 2016-10-10

[21] **3,002,136**
[13] A1

[51] **Int.Cl. F01M 1/02 (2006.01)**

[25] EN

[54] **DRIVE UNIT FOR STRADDLED VEHICLES**

[54] **UNITE D'ENTRAINEMENT POUR VEHICULES A SELLE**

[72] KOBAYASHI, MAKOTO, JP

[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP

[85] 2018-04-16

[86] 2016-10-14 (PCT/JP2016/080557)

[87] (WO2017/065281)

[30] JP (2015-204557) 2015-10-16

[21] **3,002,137**
[13] A1

[51] **Int.Cl. A01N 43/42 (2006.01)**

[25] EN

[54] **USE OF METHYLNALTREXONE TO ATTENUATE TUMOR PROGRESSION**

[54] **UTILISATION DE METHYLNALTREXONE POUR ATTENUER UNE PROGRESSION DE TUMEUR**

[72] MOSS, JONATHAN, US

[72] JOHNSON, LORIN K., US

[71] SALIX PHARMACEUTICALS, INC., US

[71] THE UNIVERSITY OF CHICAGO, US

[85] 2018-04-16

[86] 2015-10-16 (PCT/US2015/056060)

[87] (WO2016/061531)

[30] US (62/065,550) 2014-10-17

[30] US (62/140,876) 2015-03-31

[30] US (62/222,746) 2015-09-23

Demandes PCT entrant en phase nationale

[21] **3,002,139**
[13] A1

[51] **Int.Cl. B65D 53/02 (2006.01) A47G 19/12 (2006.01) B65D 81/34 (2006.01)**

[25] EN

[54] **FOOD CONTAINER AND METHOD FOR MANUFACTURING SAME**

[54] **RECIPIENT D'ALIMENT ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] HAYAKAWA, YUUKI, JP
[72] DATE, NORIAKI, JP
[72] IWASAKI, YOSHIHISA, JP
[71] ARONKASEI CO., LTD., JP
[71] IWASAKI INDUSTRY INC., JP
[85] 2018-04-16
[86] 2016-12-21 (PCT/JP2016/088151)
[87] (WO2017/110897)
[30] JP (2015-255018) 2015-12-25

[21] **3,002,140**
[13] A1

[51] **Int.Cl. A01K 1/01 (2006.01)**

[25] EN

[54] **MANURE REMOVAL VEHICLE FOR REMOVING MANURE FROM AN ANIMAL SHED FLOOR**

[54] **VEHICULE DE RETRAIT DE FUMIER POUR RETIRER LE FUMIER D'UN PLANCHER D'ABRI POUR ANIMAL**

[72] VAN DEN BEUKEL, HUIBRECHT JOHANNES ARJEN, NL
[72] OZCAN, GOKHAN KEMAL, NL
[71] LELY PATENT N.V., NL
[85] 2018-04-16
[86] 2016-10-14 (PCT/NL2016/050709)
[87] (WO2017/069616)
[30] NL (2015651) 2015-10-23

[21] **3,002,142**
[13] A1

[51] **Int.Cl. A61K 8/22 (2006.01) A61K 8/81 (2006.01) A61K 8/86 (2006.01) A61K 8/89 (2006.01) A61Q 11/02 (2006.01)**

[25] EN

[54] **ORAL CARE GEL**

[54] **GEL DE SOINS BUCCO-DENTAIRES**

[72] HASSAN, MAHMOUD, US
[72] EVANS, LAUREN, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2018-04-16
[86] 2015-12-02 (PCT/US2015/063443)
[87] (WO2017/095405)

[21] **3,002,143**
[13] A1

[51] **Int.Cl. E21B 4/00 (2006.01) E21B 17/03 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR RETAINING COMPONENTS IN A DOWNHOLE MOTOR**

[54] **PROCEDE ET APPAREIL POUR RETENIR DES COMPOSANTS DANS UN MOTEUR EN PROFONDEUR DE FORAGE**

[72] GHARIB, HOSSAM, CA
[72] SAVAGE, JOHN KEITH, CA
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-16
[86] 2015-11-19 (PCT/US2015/061598)
[87] (WO2017/086979)

[21] **3,002,144**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4188 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)**

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[54] **EP4 ANTAGONISTS**

[54] **ANTAGONISTES D'EP4**

[72] ZHENG, WANJUN, US
[72] ZHU, XIAOJIE, US
[72] DU, HONG, US
[72] POSTEMA, MAARTEN, US
[72] JIANG, YIMIN, US
[72] LI, JING, US
[72] YU, ROBERT, US
[72] CHOI, HYEONG-WOOK, US
[72] LEE, JAEMOON, US
[72] FANG, FRANK, US
[72] CUSTAR, DANIEL, US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057135)
[87] (WO2017/066633)
[30] US (62/242,734) 2015-10-16
[30] US (62/242,748) 2015-10-16
[30] BD (252/2016) 2016-10-13

[86] 2016-10-14 (PCT/US2016/057135)
[87] (WO2017/066633)
[30] US (62/242,734) 2015-10-16
[30] US (62/242,748) 2015-10-16
[30] BD (252/2016) 2016-10-13

[21] **3,002,146**
[13] A1

[51] **Int.Cl. A61M 5/14 (2006.01)**

[25] EN

[54] **MEDICAL LUER CONNECTOR**

[54] **CONNECTEUR MEDICAL LUER**

[72] BONALDO, JEAN M., US
[72] MILLER, PAVEL T., US
[71] HALKEY-ROBERTS CORPORATION, US
[85] 2018-04-16
[86] 2016-10-18 (PCT/US2016/057499)
[87] (WO2017/070098)
[30] US (14/886,081) 2015-10-18

[21] **3,002,147**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 17/00 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **DEGRADABLE, FRANGIBLE COMPONENTS OF DOWNHOLE TOOLS**

[54] **COMPOSANTS CASSABLES, DEGRADABLES D'OUTILS DE FOND**

[72] FRIPP, MICHAEL LINLEY, US
[72] WALTON, ZACHARY WILLIAM, US
[72] MERRON, MATTHEW JAMES, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-16
[86] 2015-12-29 (PCT/US2015/067783)
[87] (WO2017/116407)

[21] **3,002,148**
[13] A1

[51] **Int.Cl. G06K 9/20 (2006.01) G06K 9/00 (2006.01) G06K 9/36 (2006.01) G09G 3/28 (2013.01)**

[25] EN

[54] **SYSTEMS, MEDIA, METHODS, AND APPARATUS FOR ENHANCED DIGITAL MICROSCOPY**

[54] **SYSTEMES, SUPPORTS, PROCEDES ET APPAREIL PERMETTANT D'AMELIORER LA MICROSCOPIE NUMERIQUE**

[72] CASAS, VICTOR, US
[71] MIKROSCAN TECHNOLOGIES, INC., US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057137)
[87] (WO2017/066635)
[30] US (62/242,968) 2015-10-16

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[21] **3,002,149**
[13] A1

[51] **Int.Cl. F03B 13/08 (2006.01)**
[25] EN
[54] **POWER GENERATION SYSTEMS, AND RELATED METHODS, COMPONENTS AND CONTROL SYSTEMS**

[54] **SYSTEMES DE PRODUCTION D'ENERGIE ET PROCEDES ASSOCIES, COMPOSANTS ET SYSTEMES DE COMMANDE**

[72] BARG, LORI, US
[72] CHERTOK, ALLAN, US
[71] COMMUNITY HYDRO, LLC, US
[85] 2018-04-16
[86] 2016-10-24 (PCT/US2016/058530)
[87] (WO2017/070697)
[30] US (62/244,870) 2015-10-22
[30] US (62/409,262) 2016-10-17

[21] **3,002,150**
[13] A1

[51] **Int.Cl. E21B 17/08 (2006.01) F16L 15/00 (2006.01)**
[25] EN
[54] **WELLSITE CASING WITH INTEGRATED COUPLING AND METHOD OF MAKING SAME**

[54] **TUBAGE D'EMPLACEMENT DE FORAGE A COUPLAGE INTEGRE ET SON PROCEDE DE FABRICATION**

[72] MOURRE, DARREN EDWARD, US
[72] AUNG, THEIN H., US
[72] MOORE, R. THOMAS, US
[72] LANE, MICHAEL RAY, US
[71] RDT, INC., US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057183)
[87] (WO2017/066673)
[30] US (62/242,974) 2015-10-16

[21] **3,002,151**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01)**
[25] EN
[54] **PLANT PROMOTER FOR TRANSGENE EXPRESSION**

[54] **PROMOTEUR VEGETAL POUR L'EXPRESSION D'UN TRANSGENE**

[72] DAVIES, JOHN, US
[72] MANN, DAVID, US
[72] CONNELL, JAMES PATRICK, US
[72] BEESON, WILLIAM, IV, US
[71] DOW AGROSCIENCES LLC, US
[85] 2018-04-16
[86] 2016-10-20 (PCT/US2016/057832)
[87] (WO2017/070298)
[30] US (62/244,843) 2015-10-22

[21] **3,002,152**
[13] A1

[51] **Int.Cl. E05B 75/00 (2006.01)**
[25] EN
[54] **HANDCUFF APPARATUS**

[54] **APPAREIL DE MENOTTES**

[72] KOVAC, KRESIMIR, US
[71] CREATIVE LAW ENFORCEMENT RESOURCES, INC., US
[85] 2018-04-16
[86] 2016-10-20 (PCT/US2016/057877)
[87] (WO2017/070324)
[30] US (14/919,200) 2015-10-21

[21] **3,002,153**
[13] A1

[51] **Int.Cl. H01M 10/052 (2010.01) H01M 10/0567 (2010.01) H01M 10/0568 (2010.01) H01M 10/0569 (2010.01)**
[25] EN
[54] **NONAQUEOUS ELECTROLYTE COMPOSITIONS COMPRISING A FLUORINATED SOLVENT AND A 2-FURANONE**

[54] **COMPOSITIONS D'ELECTROLYTE NON AQUEUX COMPRENANT UN SOLVANT FLUORE ET UNE 2-FURANONE**

[72] BURKHARDT, STEPHEN E., US
[72] MANZO, STEPHEN, US
[71] SOLVAY SA, BE
[85] 2018-04-16
[86] 2016-09-01 (PCT/US2016/049830)
[87] (WO2017/074556)
[30] US (62/246,160) 2015-10-26

[21] **3,002,154**
[13] A1

[51] **Int.Cl. A61B 17/3207 (2006.01) A61B 17/221 (2006.01) A61M 25/098 (2006.01)**
[25] EN
[54] **INTRAVASCULAR TREATMENT OF VASCULAR OCCLUSION AND ASSOCIATED DEVICES, SYSTEMS, AND METHODS**

[54] **TRAITEMENT INTRAVASCULAIRE D'OCCLUSION VASCULAIRE ET DISPOSITIFS, SYSTEMES ET PROCEDES ASSOCIES**

[72] MARCHAND, PHIL, US
[72] THRESS, JOHN C., US
[72] LOUW, JACOB F., US
[72] COX, BRIAN J., US
[72] QUICK, RICHARD, US
[71] INARI MEDICAL, INC., US
[85] 2018-04-16
[86] 2016-10-24 (PCT/US2016/058536)
[87] (WO2017/070702)
[30] US (62/245,935) 2015-10-23
[30] US (15/268,296) 2016-09-16
[30] US (15/268,406) 2016-09-16

[21] **3,002,155**
[13] A1

[51] **Int.Cl. G01V 1/28 (2006.01) B63B 35/00 (2006.01) B63B 35/44 (2006.01) B63B 45/02 (2006.01) G01V 3/12 (2006.01)**
[25] EN
[54] **SURVEYING USING AN UNMANNED MARINE SURFACE VESSEL**

[54] **RELEVÉ A L'AIDE D'UN NAVIRE DE SURFACE MARINE SANS PILOTE**

[72] MOLDOVEANU, NICOLAE, US
[72] PAI, SUDHIR, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-04-16
[86] 2016-10-04 (PCT/US2016/055235)
[87] (WO2017/066028)
[30] US (62/242,359) 2015-10-16

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[21] **3,002,156**
[13] A1

[51] **Int.Cl. C12N 5/0789 (2010.01)**
[25] EN
[54] **MULTI-LINEAGE HEMATOPOIETIC PRECURSOR CELL PRODUCTION BY GENETIC PROGRAMMING**
[54] **PRODUCTION DE CELLULES PRECURSEURS HEMATOPOIETIQUES A LIGNEES MULTIPLES PAR PROGRAMMATION GENETIQUE**
[72] YU, JUNYING, US
[72] VODYANYK, MAKSYM A., US
[72] SASAKI, JEFFREY, US
[72] RAJESH, DEEPIKA, US
[72] BURTON, SARAH A., US
[71] FUJIFILM CELLULAR DYNAMICS, INC., US
[85] 2018-04-16
[86] 2016-10-20 (PCT/US2016/057893)
[87] (WO2017/070333)
[30] US (62/244,101) 2015-10-20
[30] US (62/404,470) 2016-10-05

[21] **3,002,158**
[13] A1

[51] **Int.Cl. A01M 1/20 (2006.01) B01F 3/04 (2006.01)**
[25] EN
[54] **FOGGING/MISTING APPARATUS WITH LOW CFM BLOWER AND MIXING CHAMBER FOR ULTRA-LOW VOLUME ATOMIZED FOG**
[54] **APPAREIL DE BRUMISATION/DE CONDENSATION DOTE D'UNE SOUFFLANTE A FAIBLE CFM ET CHAMBRE DE MELANGE POUR BROUILLARD ATOMISE A VOLUME ULTRA-FAIBLE**
[72] FRANKS, BARRY, US
[72] VALLERAND, JOHN, US
[72] QUARANTO, PAUL, US
[71] BOSTON FOG, LLC, US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057199)
[87] (WO2017/066686)
[30] US (62/242,523) 2015-10-16
[30] US (15/234,315) 2016-08-11

[21] **3,002,162**
[13] A1

[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/0793 (2010.01) C12N 5/0797 (2010.01) C12N 5/22 (2006.01)**
[25] EN
[54] **METHODS OF GENERATING HUMAN INNER EAR SENSORY EPITHELIA AND SENSORY NEURONS**
[54] **PROCEDES DE PRODUCTION DE CELLULES EPITHELIALES SENSORIELLES ET DE NEURONES SENSORIELS DE L'OREILLE INTERNE CHEZ L'HOMME**
[72] KOEHLER, KARL R., US
[72] HASHINO, ERI, US
[71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
[85] 2018-04-16
[86] 2016-10-21 (PCT/US2016/058121)
[87] (WO2017/070471)
[30] US (62/244,568) 2015-10-21

[21] **3,002,157**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) C12N 5/0784 (2010.01) C12N 5/0789 (2010.01)**
[25] EN
[54] **METHODS FOR DIRECTED DIFFERENTIATION OF PLURIPOTENT STEM CELLS TO IMMUNE CELLS**
[54] **PROCEDES DE DIFFERENCIATION DIRIGEE DE CELLULES SOUCHES PLURIPOTENTES EN CELLULES IMMUNES**
[72] VODYANYK, MAKSYM A., US
[72] ZHANG, XIN, US
[72] BRANDL, ANDREW J., US
[72] RAJESH, DEEPIKA, US
[72] SWANSON, BRADLEY, US
[72] MUNN, CHRISTIE, US
[72] BURTON, SARAH A., US
[72] WANG, WEN BO, US
[71] FUJIFILM CELLULAR DYNAMICS, INC., US
[85] 2018-04-16
[86] 2016-10-20 (PCT/US2016/057899)
[87] (WO2017/070337)
[30] US (62/244,101) 2015-10-20
[30] US (62/404,470) 2016-10-05

[21] **3,002,159**
[13] A1

[51] **Int.Cl. F16B 17/00 (2006.01) F16B 19/06 (2006.01) F16B 35/04 (2006.01) F16B 35/06 (2006.01)**
[25] EN
[54] **THIN-SHEET CLINCH FASTENER**
[54] **FIXATION A RIVETAGE POUR FEUILLE MINCE**
[72] MALONEY, MICHAEL J., US
[71] PENN ENGINEERING & MANUFACTURING CORP., US
[85] 2018-04-16
[86] 2016-10-20 (PCT/US2016/057903)
[87] (WO2017/070341)
[30] US (62/245,079) 2015-10-22

[21] **3,002,164**
[13] A1

[51] **Int.Cl. A61L 27/38 (2006.01) C12N 5/071 (2010.01) C12N 5/074 (2010.01) A61K 35/36 (2015.01) A61L 27/60 (2006.01)**
[25] EN
[54] **DERIVATION OF HUMAN SKIN ORGANOIDS FROM PLURIPOTENT STEM CELLS**
[54] **DERIVATION D'ORGANOIDES CUTANES HUMAINS A PARTIR DE CELLULES SOUCHES PLURIPOTENTES**
[72] KOEHLER, KARL R., US
[72] LEE, JIYOON, US
[71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
[85] 2018-04-16
[86] 2016-10-21 (PCT/US2016/058174)
[87] (WO2017/070506)
[30] US (62/244,612) 2015-10-21

[21] **3,002,160**
[13] A1

[51] **Int.Cl. E01F 9/00 (2016.01)**
[25] EN
[54] **UTILITY TRUCK BED**
[54] **PLATE-FORME DE CAMION UTILITAIRE**
[72] TOVORNIK, EDWARD J., US
[71] TOVORNIK, EDWARD J., US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057020)
[87] (WO2017/066555)
[30] US (62/242,348) 2015-10-16
[30] US (15/173,755) 2016-06-06

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[21] **3,002,168**
[13] A1

[51] **Int.Cl. C08G 63/91 (2006.01) A61K 31/724 (2006.01) C08G 63/48 (2006.01)**
[25] EN
[54] **POLYROTAXANES BEARING MIXED CYCLODEXTRIN SPECIES AND USES THEREOF**
[54] **POLYROTAXANES PORTANT DES ESPECES CYCLODEXTRINE MIXTES ET LEURS UTILISATIONS**
[72] THOMPSON, DAVID H., US
[72] MONDJINO, YAWO, US
[72] HYUN, SEOK-HEE, US
[72] COLLINS, CHRISTOPHER, US
[71] PURDUE RESEARCH FOUNDATION, US
[71] THOMPSON, DAVID H., US
[71] MONDJINO, YAWO, US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057202)
[87] (WO2017/066689)
[30] US (62/241,413) 2015-10-14

[21] **3,002,172**
[13] A1

[51] **Int.Cl. H05B 3/42 (2006.01) B01L 7/00 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **THERMAL IMMERSION CIRCULATOR**
[54] **CIRCULATEUR D'IMMERSION THERMIQUE**
[72] YOUNG, CHRISTOPHER CHARLES, US
[72] UDD, TOM, US
[72] FEIFEL, MARC IAN, US
[72] FINKE, KEVIN, US
[72] JUE, CAMERON, US
[71] CHEFSTEPS, INC., US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057205)
[87] (WO2017/066692)
[30] US (62/242,864) 2015-10-16

[21] **3,002,175**
[13] A1

[51] **Int.Cl. H04B 7/155 (2006.01)**
[25] EN
[54] **CHANNELIZATION FOR SIGNAL BOOSTERS**
[54] **DECOUPE EN CANAUX POUR AMPLIFICATEURS DE SIGNAUX**
[72] RAGGIO, GLEN, US
[72] ASHWORTH, CHRIS, US
[72] COOK, PATRICK, US
[71] WILSON ELECTRONICS, LLC, US
[85] 2018-04-16
[86] 2016-10-14 (PCT/US2016/057209)
[87] (WO2017/066696)
[30] US (62/241,640) 2015-10-14

[21] **3,002,194**
[13] A1

[51] **Int.Cl. C07F 9/22 (2006.01) C05C 1/00 (2006.01) C05C 3/00 (2006.01) C05C 9/00 (2006.01) C05F 3/00 (2006.01) C05G 3/08 (2006.01)**
[25] EN
[54] **LOW VOC AND LOW ODOR AROMATIC OIL**
[54] **HUILE AROMATIQUE A FAIBLE TENEUR EN COMPOSES ORGANIQUES VOLATILS (COV) ET FAIBLE ODEUR**
[72] NG, SZE-SZE, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2018-04-13
[86] 2016-10-17 (PCT/US2016/057352)
[87] (WO2017/070048)
[30] US (62/243,426) 2015-10-19

[21] **3,002,196**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **MULTIPLEX AMPLIFICATION DETECTION ASSAY AND ISOLATION AND DETECTION OF DNA FROM PLASMA**
[54] **DETECTION PAR AMPLIFICATION MULTIPLEXEE ET ISOLEMENT ET DETECTION D'ADN ISSU DE PLASMA**
[72] ALLAWI, HATIM, US
[72] LIDGARD, GRAHAM P., US
[72] AIZENSTEIN, BRIAN, US
[72] SANDER, TAMARA J., US
[72] GIAKOUMOPOULOS, MARIA, US
[72] KAISER, MICHAEL W., US
[72] GRAY, MELISSA M., US
[72] VACCARO, ABRAM MICHAEL, US
[71] EXACT SCIENCES DEVELOPMENT COMPANY, LLC, US
[85] 2018-04-16
[86] 2016-10-26 (PCT/US2016/058875)
[87] (WO2017/075061)
[30] US (62/249,097) 2015-10-30

[21] **3,002,197**
[13] A1

[51] **Int.Cl. G07C 9/00 (2006.01) G07C 11/00 (2006.01) G07F 7/04 (2006.01) G07F 17/00 (2006.01) G07F 17/10 (2006.01) G07F 17/12 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENSURING SECURE DELIVERY OF PARCELS USING INTERNET-ENABLED STORAGE RECEPACLE**
[54] **PROCEDE ET SYSTEMES POUR ASSURER LA LIVRAISON SECURISEE DE COLIS A L'AIDE D'UN RECEPACLE DE STOCKAGE COMPATIBLE INTERNET**
[72] CATERINO, MARK, US
[72] KRAUS, KEVIN, US
[72] LOVEJOY, GARRETT, US
[72] WILLIAMS, JASON, US
[72] HUDDART, MARTIN, US
[71] SARGENT MANUFACTURING COMPANY, US
[85] 2018-04-16
[86] 2016-10-26 (PCT/US2016/058891)
[87] (WO2017/079006)
[30] US (62/249,683) 2015-11-02
[30] US (62/261,520) 2015-12-01
[30] US (15/334,915) 2016-10-26

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[21] **3,002,201**
[13] A1

[51] **Int.Cl. B60C 11/12 (2006.01) B60C 11/03 (2006.01)**
[25] EN
[54] **TWISTED SIPES**
[54] **LAMELLES TORSADEES**
[72] COLLETT, MARK, US
[72] HOTTEBART, FRANCOIS, US
[72] NEAU, XAVIER, US
[72] WHITE, TIMOTHY, US
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-04-16
[86] 2016-10-28 (PCT/US2016/059471)
[87] (WO2017/075455)
[30] US (PCT/US2015/058439) 2015-10-30

[21] **3,002,205**
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61B 17/32 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **SMALL GAUGE OPHTHALMIC INSTRUMENT AND METHOD**
[54] **INSTRUMENT OPHTHALMIQUE DE PETIT GABARIT ET PROCEDE**
[72] RYAN, EDWIN, US
[71] RYAN, EDWIN, US
[85] 2018-04-16
[86] 2016-10-28 (PCT/US2016/059554)
[87] (WO2017/075514)
[30] US (62/248,096) 2015-10-29

[21] **3,002,211**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **DISTAL ANCHOR APPARATUS AND METHODS FOR MITRAL VALVE REPAIR**
[54] **APPAREIL ET PROCEDES D'ANCRAGE DISTAL POUR REPARATION DE VALVULE MITRALE**
[72] WILSON, PETER, US
[72] EPSTEIN, STEPHEN, US
[72] BOYD, PETER, US
[72] GAMMIE, JAMES, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
[71] HARPOON MEDICAL, INC., US
[85] 2018-04-16
[86] 2016-11-01 (PCT/US2016/059900)
[87] (WO2017/079153)
[30] US (62/249,694) 2015-11-02

[21] **3,002,214**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 47/10 (2017.01) A61K 47/36 (2006.01) A61L 27/00 (2006.01)**
[25] EN
[54] **SOL-GEL POLYMER COMPOSITES AND USES THEREOF**
[54] **COMPOSITES DE POLYMERES SOL-GEL ET UTILISATION DE CES DERNIERS**
[72] RAJAGOPALAN, SUMITRA, CA
[72] BAILLE, WILMS, CA
[72] KUJAWA, PIOTR, CA
[72] ZOOK, CHRISTOPHER A., US
[72] QUESNELL, REBECCA R., US
[72] HUCZEK, DENNIS L., US
[72] SECREAST, STEPHEN L., US
[72] LUO, LAIBIN, US
[72] SANDERS, TAMMY A., US
[71] ZOETIS SERVICES LLC, US
[85] 2018-04-16
[86] 2016-11-02 (PCT/US2016/060015)
[87] (WO2017/079216)
[30] US (62/250,126) 2015-11-03
[30] US (62/315,756) 2016-03-31

[21] **3,002,220**
[13] A1

[51] **Int.Cl. C07D 487/14 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF (3S,4R)-3-ETHYL-4-(3H-IMIDAZO[1,2-A]PYRROLO[2,3-E]-PYRAZIN-8-YL)-N-(2,2,2-TRIFLUOROETHYL)PYRROLIDINE-1-CARBOXAMIDE AND SOLID STATE FORMS THEREOF**
[54] **PROCEDE DE PREPARATION DE (3S,4R)-3-ETHYL-4-(3H-IMIDAZO[1,2-A]PYRROLO[2,3-E]-PYRAZIN-8-YL)-N-(2,2,2-TRIFLUOROETHYL)PYRROLIDINE-1-CARBOXAMIDE ET DE SES FORMES A L'ETAT SOLIDE**
[72] ALLIAN, AYMEN D., US
[72] JAYANTH, JAYANTHY, US
[72] MOHAMED, MOHAMED-ESLAM F., US
[72] MULHERN, MATHEW M., US
[72] NORDSTROEM, LARS F., US
[72] SHEIKH, AHMAD Y., US
[72] ROZEMA, MICHAEL J., US
[72] BHAGAVATULA, LAKSHMI, US
[72] MARROUM, PATRICK J., US
[72] MAYER, PETER T., US
[72] BORCHARDT, THOMAS B., US
[72] OTHMAN, AHMED A., US
[71] ABBVIE INC., US
[85] 2018-04-16
[86] 2016-10-17 (PCT/US2016/057372)
[87] (WO2017/066775)
[30] US (62/242,797) 2015-10-16
[30] US (62/267,672) 2015-12-15
[30] US (62/301,537) 2016-02-29
[30] US (62/352,380) 2016-06-20

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[21] **3,002,221**
[13] A1

[51] **Int.Cl. A61K 8/81 (2006.01) A61K 8/02 (2006.01) A61K 8/29 (2006.01) A61Q 11/02 (2006.01)**

[25] EN

[54] **DURABLE DENTAL FILM-FORMING COMPOSITION AND USES THEREOF**

[54] **COMPOSITION FILMOGENE DENTAIRE DURABLE ET SES UTILISATIONS**

[72] DONG, RONG, US

[72] XU, GUOFENG, US

[72] YUAN, SHAOTANG, US

[71] COLGATE-PALMOLIVE COMPANY, US

[85] 2018-04-16

[86] 2016-11-04 (PCT/US2016/060692)

[87] (WO2017/079668)

[30] US (62/251,294) 2015-11-05

[21] **3,002,224**
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4418 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/513 (2006.01) A61K 31/5377 (2006.01) A61K 31/55 (2006.01) A61P 25/28 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 495/04 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING MULTIPLE SCLEROSIS USING PYRIMIDINE AND PYRIDINE COMPOUNDS WITH BTK INHIBITORY ACTIVITY**

[54] **METHODES POUR TRAITER LA SCLEROSE EN PLAQUES AU MOYEN DE COMPOSES PYRIMIDINE ET PYRIDINE A ACTIVITE INHIBITRICE DE BTK**

[72] DELLOVADE, TAMMY, US

[71] MERCK PATENT GMBH, DE

[85] 2018-04-16

[86] 2016-11-16 (PCT/US2016/062154)

[87] (WO2017/087445)

[30] US (62/256,199) 2015-11-17

[21] **3,002,226**
[13] A1

[51] **Int.Cl. A61K 8/41 (2006.01) A61K 8/44 (2006.01) A61K 8/81 (2006.01) A61K 8/86 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **ORAL CARE COMPOSITIONS**

[54] **COMPOSITIONS D'HYGIENE BUCCALE**

[72] MYERS, CARL, US

[72] BEGUM-GAFUR, REHANA, US

[71] COLGATE-PALMOLIVE COMPANY, US

[85] 2018-04-16

[86] 2016-12-01 (PCT/US2016/064349)

[87] (WO2017/096000)

[30] US (62/261,791) 2015-12-01

[21] **3,002,227**
[13] A1

[51] **Int.Cl. H04N 21/81 (2011.01) H04N 21/2343 (2011.01) H04N 21/262 (2011.01) H04N 21/845 (2011.01)**

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[54] **SELECTION OF CODED NEXT GENERATION AUDIO DATA FOR TRANSPORT**

[54] **SELECTION DE DONNEES AUDIO DE PROCHAINE GENERATION CODEES POUR UN TRANSPORT**

[72] STOCKHAMMER, THOMAS, US

[71] QUALCOMM INCORPORATED, US

[85] 2018-04-16

[86] 2016-12-01 (PCT/US2016/064391)

[87] (WO2017/096023)

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[30] US (62/387,269) 2015-12-22

[30] US (15/365,557) 2016-11-30

[21] **3,002,230**
[13] A1

[51] **Int.Cl. H01H 25/00 (2006.01) H01H 13/14 (2006.01) H01H 13/28 (2006.01) H01H 23/14 (2006.01) H01R 13/04 (2006.01)**

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[54] **DECORATIVE COVERS AND KEYS FOR ELECTRICAL WIRING DEVICES**

[54] **COUVERCLE DECORATIF ET CLES POUR DISPOSITIFS DE CABLAGE ELECTRIQUE**

[72] ELBERBAUM, DAVID, JP

[71] ELBEX VIDEO LTD., JP

[85] 2018-04-16

[86] 2017-02-10 (PCT/US2017/017437)

[87] (WO2017/160433)

[30] US (15/073,081) 2016-03-17

[21] **3,002,231**
[13] A1

[51] **Int.Cl. A63B 21/02 (2006.01) A41D 1/08 (2018.01) A41D 13/00 (2006.01) A63B 21/00 (2006.01) A63B 21/04 (2006.01) A63B 23/04 (2006.01)**

[25] EN

[54] **WEARABLE RESISTIVE EQUIPMENT**

[54] **EQUIPEMENT RESISTIF PORTABLE**

[72] MOTTERN, AARON, US

[71] HEY LET'S TRAIN, LLC, US

[85] 2018-04-16

[86] 2017-06-15 (PCT/US2017/037661)

[87] (WO2017/218765)

[30] US (62/350,267) 2016-06-15

[30] US (15/623,293) 2017-06-14

[21] **3,002,233**
[13] A1

[51] **Int.Cl. H02M 3/335 (2006.01)**

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[54] **POWER CONVERTER**

[54] **CONVERTISSEUR DE COURANT**

[72] YAMAGAMI, SHIGEHARU, JP

[72] NGO, KHAI DOAN THE, US

[71] NISSAN MOTOR CO., LTD., JP

[71] VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., US

[85] 2018-04-10

[86] 2015-10-13 (PCT/US2015/055338)

[87] (WO2017/065750)

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[13] A1

[51] **Int.Cl. G06F 21/30 (2013.01) G06F 21/31 (2013.01) G06F 21/32 (2013.01) G06F 21/33 (2013.01) H04L 29/00 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR IDENTITY CREATION, VERIFICATION AND MANAGEMENT**

[54] **PROCEDES ET SYSTEMES POUR UNE CREATION, UNE VERIFICATION ET UNE GESTION D'IDENTITE**

[72] COSTA FAIDELLA, DAVID, GB

[72] SCHUKAI, ROBERT JOSEPH, US

[72] MANUEL, SCOTT RYAN, US

[72] PIERLEONI, MARCO, GB

[72] THOMAS, JASON A., US

[71] THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY, CH

[85] 2018-04-11

[86] 2016-10-03 (PCT/US2016/055215)

[87] (WO2017/112019)

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[30] US (15/283,993) 2016-10-03

[21] **3,002,244**

[13] A1

[51] **Int.Cl. A61H 31/00 (2006.01)**

[25] EN

[54] **ACTIVE COMPRESSION DECOMPRESSION AND UPPER BODY ELEVATION SYSTEM**

[54] **SYSTEME DE LEVAGE DE CORPS SUPERIEUR ET DE COMPRESSION-DECOMPRESSION ACTIVE**

[72] LURIE, KEITH G., US

[72] KARUNARATNE, KANCHANA SANJAYA GUNESEKERA, US

[72] MANNO, JOSEPH, US

[72] GRIMM, JOHN P., US

[72] SIENKIEWICZ, CASIMIR A., US

[72] ROBERTS, ROBERT R., III, US

[71] LURIE, KEITH G., US

[85] 2018-04-13

[86] 2016-10-17 (PCT/US2016/057366)

[87] (WO2017/066770)

[30] US (62/242,655) 2015-10-16

[30] US (14/935,262) 2015-11-06

[30] US (14/996,147) 2016-01-14

[30] US (15/133,967) 2016-04-20

[30] US (15/160,492) 2016-05-20

[30] US (15/285,063) 2016-10-04

[21] **3,002,237**

[13] A1

[51] **Int.Cl. A61M 1/02 (2006.01) G06Q 20/06 (2012.01) A61M 1/00 (2006.01)**

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[54] **LIQUID-GAS SEPARATOR**

[54] **SEPARATEUR LIQUIDE-GAZ**

[72] MINSKOFF, NOAH MARK, US

[71] CONMED CORPORATION, US

[85] 2018-04-16

[86] 2016-10-18 (PCT/US2016/057547)

[87] (WO2017/070117)

[30] US (62/243,417) 2015-10-19

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<p style="text-align: right;">[21] 2,965,914 [13] A1</p> <p>[51] Int.Cl. B01D 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF FIBER FILM REACTORS TO EFFECT SEPARATION AND REACTION BETWEEN TWO IMMISCIBLE REACTION COMPONENTS</p> <p>[54] UTILISATION DE REACTEURS DE FILM DE FIBRE POUR EFFECTUER LA SEPARATION ET LA REACTION ENTRE DEUX COMPOSANTS DE REACTION NON MISCIBLES</p> <p>[72] MASSINGILL, JOHN LEE, US [71] CHEMTOR, LP, US [22] 2005-12-22 [41] 2006-08-10 [62] 2,591,714 [30] US (60/639,444) 2004-12-22</p>	<p style="text-align: right;">[21] 2,979,377 [13] A1</p> <p>[51] Int.Cl. B29C 47/60 (2006.01)</p> <p>[25] EN</p> <p>[54] SCREW TO BE USED IN AN EXTRUDER AND EXTRUDER</p> <p>[54] VIS DESTINEE A UN EXTRUDEUR ET EXTRUDEUR</p> <p>[72] MEYER, HELMUT, DE [71] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE [22] 2017-09-13 [41] 2018-04-10 [30] DE (10 2016 011 978.0) 2016-10-10</p>	<p style="text-align: right;">[21] 2,981,393 [13] A1</p> <p>[51] Int.Cl. B01D 29/11 (2006.01)</p> <p>[25] EN</p> <p>[54] CONNECTOR AND JOINED PLEATED FILTER SECTIONS</p> <p>[54] CONNECTEUR ET SECTIONS DE FILTRE PLISSEES JOINTES</p> <p>[72] CANFIELD, JEFF ALLEN, US [71] BHA ALTAIR, LLC, US [22] 2017-10-04 [41] 2018-04-10 [30] US (15/289,802) 2016-10-10</p>

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[13] A1

[51] **Int.Cl. B29C 64/40 (2017.01)**
[25] EN
[54] **REMOVABLE SUPPORT MATERIAL FOR ADDITIVE MANUFACTURING**
[54] **MATERIAU DE SUPPORT AMOVIBLE DESTINE A LA FABRICATION ADDITIVE**
[72] CHOPRA, NAVEEN, CA
[72] BAKHSHAEI, BAHARAK, CA
[72] BRETON, MARCEL P., CA
[72] SISLER, GORDON, CA
[72] MOORLAG, CAROLYN, CA
[72] JIDDAWI, SALEH, CA
[72] LEE, JONATHAN SIU-CHUNG, CA
[72] ALLEN, C. GEOFFREY, CA
[71] XEROX CORPORATION, US
[22] 2017-10-06
[41] 2018-04-13
[30] US (15/293164) 2016-10-13

[21] **2,981,870**
[13] A1

[51] **Int.Cl. B65D 41/02 (2006.01) B65D 51/24 (2006.01)**
[25] EN
[54] **CONNECTABLE CAP**
[54] **CAPUCHON CONNECTABLE**
[72] MCCONNELL, THOMAS E., US
[72] WANG, QIANQIAN, CN
[71] MCCONNELL, THOMAS E., US
[22] 2017-10-10
[41] 2018-04-11
[30] US (15/290,421) 2016-10-11

[21] **2,994,142**
[13] A1

[51] **Int.Cl. A62C 3/02 (2006.01) A62C 19/00 (2006.01) B64D 1/02 (2006.01)**
[25] EN
[54] **FIRE FIGHTING APPARATUS AND METHOD**
[54] **APPAREIL DE LUTTE CONTRE L'INCENDIE ET METHODE**
[72] KILBURN, ROBERT SHANE, US
[71] KILBURN, ROBERT SHANE, US
[22] 2015-09-16
[41] 2016-09-30
[62] 2,904,550
[30] US (14/675,725) 2015-03-31

[21] **2,994,311**
[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01) A47J 31/24 (2006.01)**
[25] EN
[54] **PORTION CAPSULE FOR A COFFEE MACHINE AND METHOD FOR PRODUCING THE SAME**
[54] **CAPSULE DOSETTE DESTINEE A UNE MACHINE A CAFE ET METHODE DE PRODUCTION SSOCCIE**
[72] DEUBER, LOUIS, CH
[71] QBO COFFEE GMBH, CH
[22] 2010-04-13
[41] 2010-10-21
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[30] EP (09405065.5) 2009-04-15

[21] **2,994,492**
[13] A1

[51] **Int.Cl. A61F 13/84 (2006.01) A61F 13/535 (2006.01) A61F 13/536 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLES WITH CHANNELS AND SIGNALS**
[54] **ARTICLES ABSORBANTS AYANT DES CANAUX ET DES SIGNAUX**
[72] ROSATI, RODRIGO, DE
[72] KREUZER, CARSTEN HEINRICH, DE
[72] JACKELS, HANS ADOLF, DE
[72] ARIZTI, BIANCA, DE
[72] BIANCHI, ERNESTO, DE
[72] ROE, DONALD, US
[72] BROWN, DARRELL IAN, US
[72] SANBORN, SARAH ANN, DE
[72] FITES, THEODORE CORY, DE
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2013-11-12
[41] 2014-05-22
[62] 2,890,759
[30] US (13/675,212) 2012-11-13
[30] US (61/878,206) 2013-09-16

[21] **2,995,041**
[13] A1

[51] **Int.Cl. A61F 5/055 (2006.01) A61F 7/02 (2006.01) A61F 7/10 (2006.01)**
[25] EN
[54] **CERVICAL IMMOBILIZATION COLLAR WITH ARTERIAL COOLING ELEMENTS AND METHODS OF USING THE SAME**
[54] **COLLIER D'IMMOBILISATION CERVICALE COMPORTANT DES ELEMENTS DE REFROIDISSEMENT ARTERIEL ET SES PROCEDES D'UTILISATION**
[72] SANDHU, AGEEL A., US
[72] RAYBUCK, SCOTT, US
[72] SEITZ, BRIAN J., US
[71] CRYOTERMIC SYSTEMS, INC., US
[22] 2011-10-27
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[30] US (12/913,287) 2010-10-27
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[21] **2,995,279**
[13] A1

[51] **Int.Cl. A61B 5/0295 (2006.01) A61B 5/02 (2006.01) A61B 5/022 (2006.01) A61B 5/026 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR DETECTING AND ASSESSING REACTIVE HYPEREMIA USING SEGMENTAL PLETHYSMOGRAPHY**
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE DETECTER ET D'EVALUER UNE HYPEREMIE REACTIONNELLE, GRACE A LA PLETHYSMOGRAPHIE SEGMENTAIRE**
[72] WHITT, MICHAEL DAVID, US
[72] MAGLIATO, KATHY ELIZABETH, US
[72] RITTERBUSH, STEPHEN, US
[71] CORDEX SYSTEMS, INC., US
[22] 2010-06-02
[41] 2010-12-09
[62] 2,763,890
[30] US (61/213,369) 2009-06-02

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[13] A1

[51] **Int.Cl. B05B 9/08 (2006.01) B05B 9/04 (2006.01)**
[25] EN
[54] **LAWN AND GARDEN SPRAYER ASSEMBLY**
[54] **APPAREIL PULVERISATEUR DESTINE A LA PELOUSE ET AU JARDIN**
[72] MITCHELL, GEORGE A., US
[72] RESTIVE, MARIO J., US
[72] ABERNETHY, TODD, US
[72] CLAREY, ANDREW, US
[72] VAUGHN, JOHN, US
[71] THE FOUNTAINHEAD GROUP, INC., US
[22] 2014-09-11
[41] 2015-03-19
[62] 2,921,421
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[21] **2,997,505**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/68 (2006.01) A61F 2/44 (2006.01)**
[25] EN
[54] **BONE FUSION DEVICE**
[54] **DISPOSITIF DE FUSION OSSEUSE**
[72] MCLUEN, GARY R., US
[72] REMINGTON, BENJAMIN J., US
[72] BAKER, DANIEL R., US
[72] LOGAN, JOSEPH N., US
[72] STALCUP, GREGORY C., US
[71] NEUROPRO TECHNOLOGIES, INC., US
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[41] 2013-12-05
[62] 2,874,749
[30] US (13/482,778) 2012-05-29

[21] **2,997,731**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
[72] FLASINSKI, STANISLAW, US
[72] FOAT, BARRETT C., US
[72] SHULTZ, RANDALL W., US
[72] WU, WEI, US
[72] OUFATTOLE, MOHAMMED, US
[72] WEI, XIAOPING, US
[72] YANG, SHIAW-PYNG, US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2012-05-11
[41] 2012-11-22
[62] 2,835,817
[30] US (61/485,876) 2011-05-13

[21] **2,997,756**
[13] A1

[51] **Int.Cl. C12N 1/12 (2006.01) A23L 33/00 (2016.01) A23L 33/10 (2016.01) A61K 36/02 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **METHOD FOR THE EFFICIENT AND CONTINUOUS GROWTH AND HARVESTING OF NUTRIENT-RICH PHYTOPLANKTON AND METHODS OF USING THE SAME**
[54] **PROCEDE DE CROISSANCE ET RECOLTE EFFICACES ET CONTINUES DE PHYTOPLANCTON RICHE EN NUTRIMENTS ET SES PROCEDES D'UTILISATION**
[72] HARPER, MARGARET, CA
[72] RAMIREZ, ARTURO, CA
[71] CANADIAN PACIFIC ALGAE INC., CA
[22] 2009-10-21
[41] 2010-04-29
[62] 2,773,001
[30] US (61/107,173) 2008-10-21

[21] **2,997,781**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
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[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
[72] SHULTZ, RANDALL W., US
[72] WEI, XIAOPING, US
[72] WU, WEI, US
[72] YANG, SHIAW-PYNG, US
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[41] 2012-11-22
[62] 2,835,817
[30] US (61/485,876) 2011-05-13

[21] **2,997,793**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54] **ELEMENTS REGULATEURS DES PLANTES ET LEURS UTILISATIONS**
[72] FLASINSKI, STANISLAW, US
[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
[72] SHULTZ, RANDALL W., US
[72] WEI, XIAOPING, US
[72] WU, WEI, US
[72] YANG, SHIAW-PYNG, US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2012-05-11
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[62] 2,835,817
[30] US (61/485,876) 2011-05-13

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,997,864**
[13] A1

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[25] EN

[54] **PROCESSES USING ANTIBIOTIC ALTERNATIVES IN BIOETHANOL PRODUCTION**

[54] **PROCEDES UTILISANT DES ANTIBIOTIQUES DE REMPLACEMENT DANS FABRICATION DE BIOETHANOL**

[72] WIATR, CHRISTOPHER L., US
[72] CORCORAN, MICHAEL L., US
[72] MCNEEL, THOMAS E., US
[72] CLARK, RICHARD A., US
[72] PORTO, RITA DE CASSIA BORTOTO, US

[72] OPPONG, DAVID, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US

[22] 2011-03-16
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[62] 2,793,614
[30] US (61/315,607) 2010-03-19
[30] US (61/352,521) 2010-06-08
[30] US (61/365,658) 2010-07-19

[21] **2,997,871**
[13] A1

[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/24 (2006.01)**

[25] EN

[54] **DEVICE FOR REGULATING BLOOD FLOW**

[54] **DISPOSITIF PERMETTANT DE REGULER LA CIRCULATION SANGUINE**

[72] KALMANN, MENNO, NL
[72] HINCHLIFFE, PETER W.J., US
[72] LEHMAN, ADAM I., US
[71] DEEP VEIN MEDICAL, INC., US

[22] 2009-01-02
[41] 2009-07-16
[62] 2,711,245
[30] US (61/010,012) 2008-01-04

[21] **2,997,971**
[13] A1

[51] **Int.Cl. C12N 15/12 (2006.01) A61K 38/17 (2006.01) A61P 3/00 (2006.01) A61P 21/06 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **VARIANTS OF ACTIVIN IIB RECEPTOR POLYPEPTIDES AND USES THEREOF**

[54] **VARIANTES DES POLYPEPTIDES DU RECEPTEUR IIB DE L'ACTIVINE ET LEURS UTILISATIONS**

[72] BOONE, THOMAS C., US
[72] DESHPANDE, ROHINI, US
[72] HAN, HQ, US
[72] LI, YUE-SHENG, US
[72] MICHAELS, MARK LEO, US
[72] SUN, JEONGHOON, US
[72] TAM, LEI-TING TONY, US
[71] AMGEN INC., US

[22] 2009-11-24
[41] 2010-06-03
[62] 2,743,850
[30] US (61/200,250) 2008-11-26
[30] US (61/259,060) 2009-11-06

[21] **2,998,009**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/00 (2006.01) A61F 2/02 (2006.01)**

[25] EN

[54] **DEVICES, SYSTEMS AND METHODS TO TREAT HEART FAILURE**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR TRAITER UNE INSUFFISANCE CARDIAQUE**

[72] MCNAMARA, EDWARD, US
[72] CELERMAJER, DAVID, US
[72] FORCUCCI, STEPHEN, US
[72] SUGIMOTO, HIROATSU, US
[71] CORVIA MEDICAL, INC., US

[22] 2010-03-08
[41] 2010-11-11
[62] 2,854,571
[30] US (12/447,617) 2009-04-28
[30] US (61/240,085) 2009-09-04

[21] **2,998,017**
[13] A1

[51] **Int.Cl. C01F 11/18 (2006.01)**

[25] EN

[54] **HYDROPHOBISED CALCIUM CARBONATE PARTICLES**

[54] **PARTICULES DE CARBONATE DE CALCIUM HYDROPHOBE**

[72] GANTENBEIN, DANIEL, NO
[72] SCHOELKOPF, JOACHIM, CH
[72] GANE, PATRICK A.C., CH
[71] OMYA INTERNATIONAL AG, CH

[22] 2012-07-10
[41] 2013-01-17
[62] 2,839,848
[30] EP (11 173 471.1) 2011-07-11
[30] US (61/508,730) 2011-07-18

[21] **2,998,123**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**

[25] EN

[54] **INTEGRATED HEART VALVE DELIVERY SYSTEM**

[54] **SYSTEME INTEGRE DE TRANSPORT DE VALVULE CARDIAQUE**

[72] MARCHAND, PHILIPPE, US
[72] TAYLOR, DAVID M., US
[72] MILICH, ROBERT, JR., US
[72] EVANS, DAVID J., US
[72] CHIA, CHRISTOPHER, US
[72] CAYABYAB, RONALDO C., US
[72] BOWES, ROBERT ROYAL, US
[71] EDWARDS LIFESCIENCES CORPORATION, US

[22] 2007-09-10
[41] 2008-03-13
[62] 2,878,598
[30] US (60/843,470) 2006-09-08

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[21] **2,998,199**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/078 (2010.01) A61K 35/44 (2015.01) C12Q 1/04 (2006.01)**

[25] EN

[54] **IN VITRO TECHNIQUES FOR USE WITH STEM CELLS**

[54] **TECHNIQUES IN VITRO DESTINEES A UNE UTILISATION AVEC DES CELLULES SOUCHES**

[72] FULGA, VALENTIN, IL

[72] PORAT, YAEL, IL

[72] BELKIN, DANNY, IL

[72] SHIMONI-ZALK, DAPHNA, IL

[72] POROZOV, SVETLANA, IL

[71] KWALATA TRADING LIMITED, CY

[22] 2005-06-01

[41] 2005-12-15

[62] 2,567,578

[30] US (60/576,266) 2004-06-01

[30] US (60/588,520) 2004-07-15

[21] **2,998,281**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 33/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **HUMAN ANTI-PD-1, PD-L1, AND PD-L2 ANTIBODIES AND USES THEREFOR**

[54] **ANTICORPS ANTI-PD-1, PD-L1, ET PD-L2 HUMAINS ET LEURS UTILISATIONS**

[72] FREEMAN, GORDON J., US

[72] AHMED, RAFI, US

[72] JONES, TIMOTHY D., GB

[72] CARR, FRANCIS J., GB

[72] GREGSON, JAMES P., GB

[71] DANA-FARBER CANCER INSTITUTE, INC., US

[71] EMORY UNIVERSITY, US

[22] 2009-09-25

[41] 2010-04-01

[62] 2,738,252

[30] US (61/100534) 2008-09-26

[21] **2,998,412**
[13] A1

[51] **Int.Cl. C12N 5/095 (2010.01) C12Q 1/6809 (2018.01) C12Q 1/6883 (2018.01) C07K 16/30 (2006.01) C12Q 1/02 (2006.01) C12Q 1/04 (2006.01) C12Q 1/68 (2018.01) C40B 30/06 (2006.01)**

[25] EN

[54] **METHODS AND MEANS RELATED TO CANCER STEM CELLS**

[54] **PROCEDES ET MOYENS LIES AUX CELLULES SOUCHES CANCEREUSES**

[72] KONDO, TORU, GB

[71] CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LTD., GB

[22] 2005-11-12

[41] 2006-05-18

[62] 2,629,330

[30] US (60/627,639) 2004-11-12

[21] **2,998,423**
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) B03B 9/02 (2006.01) E21B 43/18 (2006.01)**

[25] EN

[54] **PRESSURIZATION OF LEAN ZONES WITH NCG INJECTION**

[54] **DESHYDRATATION DE ZONES PAUVRES PAR INJECTION DE GNC DANS LES Puits DE PRODUCTION ET DESHYDRATATION DE ZONES PAUVRES PAR INJECTION DE GNC DANS LES Puits DE PRODUCTION ET D'INJECTION**

[72] SHEIKHA, HUSSAIN, CA

[72] PARMAR, GOVINDER SINGH, CA

[72] AGHABARATI, HOSSEIN, CA

[72] MACDONALD, HEATHER LYNN, CA

[71] SUNCOR ENERGY INC., CA

[22] 2015-08-04

[41] 2017-02-04

[62] 2,899,805

[21] **2,999,337**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61F 2/04 (2013.01) A61M 27/00 (2006.01) A61M 39/08 (2006.01)**

[25] EN

[54] **AN IMPLANTABLE DRAINAGE DEVICE**

[54] **DISPOSITIF DE DRAINAGE IMPLANTABLE**

[72] FORSELL, PETER, CH

[71] IMPLANTICA PATENT LTD., MT

[22] 2009-01-28

[41] 2009-08-06

[62] 2,749,759

[30] US (61/006,711) 2008-01-28

[21] **2,999,342**
[13] A1

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **ISOLATED POLYNUCLEOTIDES AND POLYPEPTIDES, AND METHODS OF USING SAME FOR INCREASING PLANT YIELD AND/OR AGRICULTURAL CHARACTERISTICS**

[54] **POLYNUCLEOTIDES ET POLYPEPTIDES ISOLES, ET PROCEDES D'UTILISATION DE CEUX-CI POUR AUGMENTER UN RENDEMENT VEGETAL ET/OU DES CARACTERISTIQUES AGRICOLES**

[72] EMMANUEL, EYAL, IL

[72] DIBER, ALEX, IL

[72] POLLOCK, SARAH RACHEL, IL

[72] KARCHI, HAGAI, IL

[71] EVOGENE LTD., IL

[22] 2010-03-01

[41] 2010-09-10

[62] 2,753,616

[30] US (61/202,459) 2009-03-02

[30] US (61/231,349) 2009-08-05

[30] US (61/282,183) 2009-12-28

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,999,547**
[13] A1

[51] **Int.Cl. A61N 5/00 (2006.01) A61B 17/00 (2006.01) A61B 18/18 (2006.01) A61M 1/00 (2006.01) A61B 17/54 (2006.01)**

[25] EN

[54] **MICRODERMABRASION SYSTEM WITH COMBINATION SKIN THERAPIES**

[54] **SYSTEME DE MICRODERMABRASION AVEC THERAPIES CUTANEEES DE COMBINAISON**

[72] BOONE, BRENDON N., US

[72] HANTASH, BASIL M., US

[72] KARASIUK, KENNETH B., US

[71] ENVY MEDICAL, INC., US

[22] 2009-08-24

[41] 2010-02-25

[62] 2,734,610

[30] US (12/197,065) 2008-08-22

[21] **2,999,568**
[13] A1

[51] **Int.Cl. B60P 1/43 (2006.01) B65G 69/28 (2006.01)**

[25] EN

[54] **TRAILER WITH AUTOMATED TRAILER RAMP**

[54] **REMORQUE AYANT RAMPE DE REMORQUE AUTOMATIQUE**

[72] FRIESEN, FRANK, US

[72] FROESE, HENRY, US

[72] BARNES, AARON NEIL, US

[71] PJ TRAILERS, INC., US

[22] 2014-03-14

[41] 2014-09-25

[62] 2,906,791

[30] US (61/788,734) 2013-03-15

[21] **2,999,629**
[13] A1

[51] **Int.Cl. C08G 65/333 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DERIVATIZED HYPERBRANCHED POLYGLYCEROLS**

[54] **POLYGLYCEROLS HYPER-RAMIFIES SUBSTITUES**

[72] BURT, HELEN, CA

[72] BROOKS, DONALD, CA

[72] KIZHAKKEDATHU, JAYACHANDRAN, CA

[72] LIGGINS, RICHARD, CA

[72] GUAN, DECHI, CA

[72] YE, LU, CA

[72] MUGABE, CLEMENT, CA

[72] SO, ALAN, CA

[72] GLEAVE, MARTIN, CA

[72] JACKSON, JOHN K., CA

[72] KAINTHAN, RAJESH KUMAR, US

[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA

[71] CENTRE FOR DRUG RESEARCH AND DEVELOPMENT, CA

[22] 2011-03-01

[41] 2011-09-09

[62] 2,791,416

[30] US (61/309,304) 2010-03-01

[21] **2,999,637**
[13] A1

[51] **Int.Cl. B22D 11/108 (2006.01) B22D 11/04 (2006.01) B22D 11/106 (2006.01)**

[25] EN

[54] **CONTINUOUS CASTING PROCESS OF METAL**

[54] **PROCESSUS DE COULEE CONTINUE DE METAL**

[72] BRANDT, MATHIEU, BE

[72] FISCHBACH, JEAN-PAUL, BE

[72] NAVEAU, PAUL, BE

[71] ARCELORMITTAL INVESTIGACION Y DESARROLLO SL, ES

[22] 2012-03-28

[41] 2013-10-03

[62] 2,868,147

[21] **2,999,664**
[13] A1

[51] **Int.Cl. B28D 1/08 (2006.01) B23D 57/02 (2006.01)**

[25] EN

[54] **WALL SAW AND INTERCHANGEABLE ASSEMBLIES FOR WALL SAWS**

[54] **SCIE MURALE ET ENSEMBLES INTERCHANGEABLES POUR SCIES MURALES**

[72] BARATTA, ANTHONY, US

[72] JONSSON, ANDREAS, SE

[72] ZETTERLIND, PETER, SE

[71] HUSQVARNA AB, SE

[22] 2010-07-21

[41] 2011-02-03

[62] 2,769,321

[30] US (61/230,119) 2009-07-31

[30] US (61/319,565) 2010-03-31

[30] US (61/325,263) 2010-04-16

[30] US (61/364,773) 2010-07-15

[21] **2,999,674**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**

[25] EN

[54] **AIR STREAM SELECTOR FOR AN AIR DRILL SEEDING SYSTEM**

[54] **SELECTEUR DE COURANT D'AIR POUR SYSTEME DE SEMIS PNEUMATIQUE**

[72] MEYER, ANDREW THOMAS, CA

[72] HIGGINS, ROBERT JOHN, CA

[72] PRIDMORE, JEFFREY CAMERON, CA

[72] VARJASSY, JUSTIN CHARLES, CA

[71] ONE PASS IMPLEMENTS INC., CA

[22] 2013-09-26

[41] 2014-04-03

[62] 2,886,889

[30] US (61/705,962) 2012-09-26

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[21] **2,999,678**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **AIR STREAM SELECTOR FOR AN AIR DRILL SEEDING SYSTEM**
[54] **SELECTEUR DE COURANT D'AIR POUR SYSTEME DE SEMIS PNEUMATIQUE**
[72] MEYER, ANDREW THOMAS, CA
[72] HIGGINS, ROBERT JOHN, CA
[72] PRIDMORE, JEFFREY CAMERON, CA
[72] VARJASSY, JUSTIN CHARLES, CA
[71] ONE PASS IMPLEMENTS INC., CA
[22] 2013-09-26
[41] 2014-04-03
[62] 2,886,889
[30] US (61/705,962) 2012-09-26

[21] **3,000,077**
[13] A1

[51] **Int.Cl. C08G 73/02 (2006.01) A01N 33/12 (2006.01) A01P 1/00 (2006.01) C08J 3/24 (2006.01) C08J 7/12 (2006.01) C09D 5/14 (2006.01)**
[25] EN
[54] **PHOTOCHEMICAL CROSS-LINKABLE POLYMERS, METHODS OF MAKING PHOTOCHEMICAL CROSS-LINKABLE POLYMERS, METHODS OF USING PHOTOCHEMICAL CROSS-LINKABLE POLYMERS, AND METHODS OF MAKING ARTICLES CONTAINING PHOTOCHEMICAL CROSS-LINKABLE POLYMERS**
[54] **POLYMERES PHOTOCHIMIQUES RETICULABLES, METHODES DE PRODUCTION DE POLYMERES PHOTOCHIMIQUES RETICULABLES, METHODES D'UTILISATIONS DE POLYMERES PHOTOCHIMIQUES RETICULABLES ET METHODES DE FRABRICATION D'ARTICLES RETICULABLES ET METHODES DE FABRICATION D'ARTICLES RENFERMANTDES POLYMERES PHOTOCHIMIQUES RETICULABLES**
[72] LOCKLIN, JASON J., US
[72] DHENDE, VIKRAM, US
[71] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., US
[22] 2011-04-28
[41] 2011-11-10
[62] 2,797,709
[30] US (61/328879) 2010-04-28
[30] US (61/370919) 2010-08-05

[21] **3,000,119**
[13] A1

[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/962 (2013.01)**
[25] EN
[54] **DELIVERY OF MEDICAL DEVICES**
[54] **POSE DE DISPOSITIFS MEDICAUX**
[72] LOSORDO, MICHAEL, US
[72] SKUJINS, PETER, US
[72] JOHNSON, GARRETT, US
[71] COVIDIEN LP, US
[22] 2014-08-08
[41] 2015-03-05
[62] 2,922,305
[30] US (61/870,755) 2013-08-27
[30] US (14/040,477) 2013-09-27
[30] US (14/040,463) 2013-09-27
[30] US (14/040,516) 2013-09-27
[30] US (14/040,510) 2013-09-27
[30] US (14/040,489) 2013-09-27

[21] **3,000,126**
[13] A1

[51] **Int.Cl. B62D 55/00 (2006.01) B62D 55/08 (2006.01) E02F 9/16 (2006.01)**
[25] EN
[54] **TRACKED VEHICLE**
[54] **VEHICULE A CHENILLES**
[72] STEBEN, ERIC, CA
[72] MARLEAU, BENOIT, CA
[71] PRINOTH LTD., CA
[22] 2012-08-30
[41] 2013-03-07
[62] 2,846,662
[30] US (61/529,639) 2011-08-31
[30] US (61/542,551) 2011-10-03

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,000,137**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **AUTHENTICATION DEVICE,
AUTHENTICATION METHOD,
AND PROGRAM**
[54] **DISPOSITIF
D'AUTHENTIFICATION,
PROCEDE
D'AUTHENTIFICATION ET
PROGRAMME**
[72] SAKUMOTO, KOICHI, JP
[72] HIWATARI, HARUNAGA, JP
[72] SHIRAI, TAIZO, JP
[71] SONY CORPORATION, JP
[22] 2011-07-12
[41] 2012-02-02
[62] 2,804,394
[30] JP (2010-171940) 2010-07-30
[30] JP (2010-224752) 2010-10-04

[21] **3,000,171**
[13] A1

[51] **Int.Cl. A61B 50/36 (2016.01) A61B
50/13 (2016.01) A61B 50/37 (2016.01)
B65F 1/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR
COLLECTING MEDICAL WASTE
THAT PROVIDES BOTH VISUAL
AND AUDIBLE ALARMS WHEN
AN OBJECT MAY HAVE BEEN
INADVERTENTLY DISCARDED**
[54] **SYSTEME ET METHODE DE
COLLECTE DE DECHETS
MEDICAUX QUI FOURNIT DES
ALERTES TANT VISUELLE
QU'AUDITIVE LORSQU'UN
OBJET A ETE MIS DE COTE PAR
INADVERTANCE**
[72] HENNIGES, BRUCE D., US
[72] HUYSER, RICHARD F., US
[72] TYLER, DOUGLAS L., SR., US
[72] CULP, JERRY S., US
[72] PHILIPP, CHRIS, US
[72] MALACKOWSKI, DONALD W., US
[72] WALEN, JAMES G., US
[72] STRATTON, DENNIS A., US
[72] WELCH, PAUL A., US
[72] CARUSILLO, STEVEN J., US
[72] GOLDENBERG, DAVID S., US
[71] STRYKER CORPORATION, US
[22] 2009-05-29
[41] 2009-12-23
[62] 2,726,129
[30] US (61/057,666) 2008-05-30

[21] **3,000,241**
[13] A1

[51] **Int.Cl. H04N 21/433 (2011.01) H04N
21/258 (2011.01) H04N 21/2665
(2011.01) H04N 21/2668 (2011.01)
H04N 21/466 (2011.01) H04N 21/4788
(2011.01) H04W 4/21 (2018.01)**
[25] EN
[54] **SHARING TELEVISION AND
VIDEO PROGRAMMING
THROUGH SOCIAL
NETWORKING**
[54] **PARTAGE D'UNE
PROGRAMMATION DE
TELEVISION ET DE VIDEO PAR
L'INTERMEDIAIRE D'UN
RESEAUTAGE SOCIAL**
[72] MARLOW, CAMERON
ALEXANDER, US
[72] GARCIA, DAVID HARRY, US
[72] TSENG, ERICK, US
[72] KRAUSZ, BRIAN, US
[71] FACEBOOK, INC., US
[22] 2013-08-30
[41] 2014-03-06
[62] 2,882,869
[30] US (13/602,011) 2012-08-21

[21] **3,000,256**
[13] A1

[51] **Int.Cl. G16H 20/10 (2018.01) A61J
7/00 (2006.01) A61J 7/04 (2006.01)**
[25] EN
[54] **MEDICATION VERIFICATION
AND DISPENSING**
[54] **DISPOSITIF
D'AUTHENTIFICATION,
PROCEDE
D'AUTHENTIFICATION ET
PROGRAMME**
[72] JACOBS, ALAN JEFFREY, US
[72] GERSHTEIN, EUGENE, US
[71] PERCEPTIMED, INC., US
[22] 2011-03-08
[41] 2011-09-15
[62] 2,792,507
[30] US (61/311,900) 2010-03-09

[21] **3,000,257**
[13] A1

[51] **Int.Cl. H01L 23/50 (2006.01) H01L
21/44 (2006.01) H01M 2/00 (2006.01)
A61B 5/00 (2006.01) A61M 37/00
(2006.01) A61N 1/32 (2006.01)**
[25] EN
[54] **IN-BODY POWER SOURCE
HAVING HIGH SURFACE AREA
ELECTRODE**
[54] **SOURCE D'ENERGIE INTEGREE
AU CORPS AYANT UNE
ELECTRODE DE ZONE DE
SURFACE SUPERIEURE**
[72] HAFEZI, HOOMAN, US
[72] ROBERTSON, TIMOTHY, US
[72] SNYDER, ERIC, US
[72] COZAD, BRAD, US
[71] PROTEUS DIGITAL HEALTH, INC.,
US
[22] 2008-02-14
[41] 2008-08-21
[62] 2,676,280
[30] US (60/889,870) 2007-02-14

[21] **3,000,326**
[13] A1

[51] **Int.Cl. E21B 47/085 (2012.01) E21B
47/0224 (2012.01) E21B 41/00
(2006.01) E21B 33/12 (2006.01) E21B
43/26 (2006.01)**
[25] EN
[54] **METHOD FOR REAL-TIME
MONITORING AND
TRANSMITTING HYDRAULIC
FRACTURE SEISMIC EVENTS TO
SURFACE USING THE PILOT
HOLE OF THE TREATMENT
WELL AS THE MONITORING
WELL**
[54] **PROCEDE DE CONTROLE ET DE
TRANSMISSION EN TEMPS REEL
VERS LA SURFACE
D'EVENEMENTS SISMIQUES
DANS UNE FRACTURE
HYDRAULIQUE PAR L'AVANT-
TROU DU Puits DE
TRAITEMENT UTILISE COMME
PUITS DE SURVEILLANCE**
[72] BARTKO, KIRK M., SA
[72] BOULDIN, BRETT WAYNE, SA
[71] SAUDI ARABIAN OIL COMPANY,
SA
[22] 2012-10-09
[41] 2013-04-18
[62] 2,849,825
[30] US (13/269,596) 2011-10-09

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[21] **3,000,366**
[13] A1

[51] **Int.Cl. H04N 19/593 (2014.01) H04N 19/107 (2014.01) H04N 19/176 (2014.01) H04N 19/33 (2014.01) H04N 19/96 (2014.01)**

[25] EN

[54] **MOVING IMAGE ENCODING DEVICE, MOVING IMAGE DECODING DEVICE, MOVING IMAGE CODING METHOD, AND MOVING IMAGE DECODING METHOD**

[54] **APPAREIL DE CODAGE DE VIDEO ANIMEE, APPAREIL DE DECODAGE DE VIDEO ANIMEE, PROCEDE DE CODAGE DE VIDEO ANIMEE ET PROCEDE DE DECODAGE DE VIDEO ANIMEE**

[72] MINEZAWA, AKIRA, JP
[72] SEKIGUCHI, SHUNICHI, JP
[72] SUGIMOTO, KAZUO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP

[22] 2011-07-21
[41] 2012-04-05
[62] 2,812,201
[30] JP (2010-221471) 2010-09-30

[21] **3,000,468**
[13] A1

[51] **Int.Cl. B62D 63/08 (2006.01) B60P 7/02 (2006.01)**

[25] EN

[54] **WATERPROOF TOP DOOR FOR TRAILER**

[54] **PORTE SUPERIEURE IMPERMEABLE POUR REMORQUE**

[72] LEES, RICK, CA
[72] MAERTENS, ANDREW JOSEPH, CA
[72] KLOEPFER, MICHAEL, CA
[71] TITAN TRAILERS INC., CA

[22] 2016-06-20
[41] 2016-12-29
[62] 2,986,161
[30] US (62/183,419) 2015-06-23

[21] **3,000,704**
[13] A1

[51] **Int.Cl. F16K 31/06 (2006.01) E03C 1/04 (2006.01) F16K 31/66 (2006.01)**

[25] EN

[54] **INTEGRATED SOLENOID VALVE FOR AN ELECTRONIC FAUCET**

[54] **VANNE ELECTROMAGNETIQUE INTEGREE POUR UN ROBINET ELECTRONIQUE**

[72] THOMAS, KURT J., US
[72] BROWN, DEREK A., US
[72] SAWASKI, JOEL D., US
[71] DELTA FAUCET COMPANY, US

[22] 2014-03-14
[41] 2014-09-15
[62] 2,846,174
[30] US (13/837,052) 2013-03-15

[21] **3,000,707**
[13] A1

[51] **Int.Cl. A47G 21/16 (2006.01) A47K 10/20 (2006.01)**

[25] EN

[54] **TABLETOP NAPKIN DISPENSER**

[54] **DISTRIBUTEUR DE SERVIETTES DE DESSUS DE TABLE**

[72] WILSON, RODNEY, US
[72] GONZALES, LEO, US
[72] SIEBEL, JUSTIN, US
[71] SCA HYGIENE PRODUCTS AB, SE

[22] 2011-10-31
[41] 2013-05-10
[62] 2,855,907

[21] **3,000,710**
[13] A1

[51] **Int.Cl. G01R 31/28 (2006.01) G06Q 30/04 (2012.01) H04W 4/38 (2018.01) G01R 31/319 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF IMPLEMENTING REMOTE BOUNDARY SCAN FEATURES**

[54] **SYSTEMES ET PROCEDES POUR METTRE EN OEUVRE A DISTANCE DES ELEMENTS DE REGISTRE A DECALAGE PERIPHERIQUE**

[72] LA FEVER, GEORGE B., US
[72] YELLIN, CARMY, US
[72] FLAUM, ISER B., US
[72] MUSE, DAVID R., US
[71] ELECTRONIC WARFARE ASSOCIATES, INC., US

[22] 2009-12-18
[41] 2010-07-22
[62] 2,749,799
[30] US (61/144,980) 2009-01-15
[30] US (61/170,339) 2009-04-17

[21] **3,000,726**
[13] A1

[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/17 (2014.01)**

[25] EN

[54] **IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM**

[54] **DISPOSITIF DE CODAGE PREDICTIF D'IMAGE, PROCEDE DE CODAGE PREDICTIF D'IMAGE, PROGRAMME DE CODAGE PREDICTIF D'IMAGE, DISPOSITIF DE DECODAGE PREDICTIF D'IMAGE, PROCEDE DE DECODAGE PREDICTIF D'IMAGE ET PROGRAMME DE DECODAGE PREDICTIF D'IMAGE**

[72] SUZUKI, YOSHINORI, JP
[72] BOON, CHOONG SENG, JP
[71] NTT DOCOMO, INC., JP

[22] 2010-03-16
[41] 2010-09-30
[62] 2,921,802
[30] JP (2009-069975) 2009-03-23

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] 3,000,728 [13] A1	[21] 3,000,888 [13] A1	[21] 3,000,969 [13] A1
[51] Int.Cl. H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/17 (2014.01) [25] EN [54] IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM [54] DISPOSITIF DE CODAGE PREDICTIF D'IMAGE, PROCEDE DE CODAGE PREDICTIF D'IMAGE, PROGRAMME DE CODAGE PREDICTIF D'IMAGE, DISPOSITIF DE DECODAGE PREDICTIF D'IMAGE, PROCEDE DE DECODAGE PREDICTIF D'IMAGE ET PROGRAMME DE DECODAGE PREDICTIF D'IMAGE [72] SUZUKI, YOSHINORI, JP [72] BOON, CHOONG SENG, JP [71] NTT DOCOMO, INC., JP [22] 2010-03-16 [41] 2010-09-30 [62] 2,921,802 [30] JP (2009-069975) 2009-03-23	[51] Int.Cl. A61B 17/00 (2006.01) A61B 17/03 (2006.01) A61F 2/00 (2006.01) A61F 2/10 (2006.01) [25] EN [54] DEVICE AND METHOD FOR TREATMENT OF INCISION OR HERNIA [54] DISPOSITIF ET PROCEDE DE TRAITEMENT D'UNE INCISION OU D'UNE HERNIE [72] HARPER, JOHN R., US [71] LIFECCELL CORPORATION, US [22] 2010-07-01 [41] 2011-01-06 [62] 2,766,390 [30] US (61/222,691) 2009-07-02	[51] Int.Cl. G09B 9/00 (2006.01) [25] EN [54] SIMULATOR FOR SKILL-ORIENTED TRAINING [54] SIMULATEUR POUR UN APPRENTISSAGE EN FONCTION DES COMPETENCES [72] WALLACE, MATTHEW, US [72] ZBORAY, DAVID, US [72] FUDGE, ALEJO, US [72] BURKE, BRIAN, US [72] GROOT, CHRIS, US [72] ONG, PAUL, US [72] KENNEDY, SHAWN, US [72] LENKER, ZACH, US [72] BIGNONE, FRANK, CN [72] SOLOMON, LESLIE BROOKS, CN [71] VRSIM, INC., US [22] 2013-11-29 [41] 2014-06-05 [62] 2,892,974 [30] US (61/730,824) 2012-11-28 [30] US (61/842,150) 2013-07-02
[21] 3,000,731 [13] A1	[21] 3,000,923 [13] A1	[21] 3,000,998 [13] A1
[51] Int.Cl. A01M 1/02 (2006.01) [25] EN [54] AN INSECT TRAP [54] PIEGE A INSECTES [72] WILLCOX, JOHN CADMAN, GB [72] KAYE, MATTHEW VARGHESE, GB [71] BRANDENBURG (UK) LIMITED, GB [22] 2009-04-30 [41] 2009-10-14 [62] 2,914,809 [30] GB (0808534.2) 2008-05-02	[51] Int.Cl. A61M 16/06 (2006.01) A61M 16/08 (2006.01) [25] EN [54] INTERFACE COMPRISING A ROLLING NASAL BRIDGE PORTION [54] INTERFACE COMPRENANT UNE PARTIE DE PONT NASAL ROULANTE [72] OLSEN, GREGORY JAMES, NZ [72] BEARNE, PETER DAVID ALEXANDER, NZ [72] EVANS, LEON EDWARD, NZ [72] STEPHENSON, MATTHEW ROGER, NZ [72] PRENTICE, CRAIG ROBERT, NZ [72] IP, BERNARD TSZ LUN, NZ [72] SPEAR, TONY WILLIAM, NZ [72] PATEL, ROHEET, NZ [72] HOWARTH, BRAD MICHAEL, NZ [72] HARWOOD, JONATHAN DAVID, NZ [72] MCLAREN, MARK ARVIND, NZ [71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ [22] 2012-04-13 [41] 2012-10-18 [62] 2,833,106 [30] US (61/476,188) 2011-04-15 [30] US (61/504,295) 2011-07-04 [30] US (61/553,067) 2011-10-28	[51] Int.Cl. G06T 9/00 (2006.01) H04N 19/107 (2014.01) H04N 19/117 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/33 (2014.01) H04N 19/96 (2014.01) [25] EN [54] IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD [54] DISPOSITIF DE CODAGE D'IMAGE, DISPOSITIF DE DECODAGE D'IMAGE, PROCEDE DE DECODAGE D'IMAGE ET PROCEDE DE DECODAGE D'IMAGE [72] MINEZAWA, AKIRA, JP [72] SUGIMOTO, KAZUO, JP [72] SEKIGUCHI, SHUNICHI, JP [71] MITSUBISHI ELECTRIC CORPORATION, JP [22] 2012-01-06 [41] 2012-07-19 [62] 2,979,455 [30] JP (2011-004038) 2011-01-12

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,001,010**
[13] A1

[51] **Int.Cl. E21B 43/10 (2006.01) E21B 47/13 (2012.01) E21B 23/06 (2006.01) E21B 44/00 (2006.01)**

[25] EN

[54] **TELEMETRY OPERATED SETTING TOOL**

[54] **OUTIL DE REGLAGE ACTIONNE PAR TELEMETRIE**

[72] TURLEY, ROCKY A., US

[72] CAMPBELL, ROBIN L., US

[72] HEIDECKE, KARSTEN, US

[72] GIVENS, GEORGE, US

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[22] 2014-11-03

[41] 2015-05-18

[62] 2,869,261

[30] US (14/082,978) 2013-11-18

[21] **3,001,027**
[13] A1

[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/107 (2014.01) H04N 19/176 (2014.01) H04N 19/33 (2014.01) H04N 19/96 (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

[71] MITSUBISHI ELECTRIC CORPORATION, JP

[22] 2013-01-09

[41] 2013-07-25

[62] 2,961,818

[30] JP (2012-009128) 2012-01-19

[21] **3,001,028**
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01)**

[25] EN

[54] **RETRACTING SHEATH DETACHABLE SAFETY NEEDLE WITH MOVING SPRING**

[54] **AIGUILLE DE SECURITE AMOVIBLE A GAINE RETRACTABLE COMPORTANT UN RESSORT MOBILE**

[72] WONG, ANDREW, US

[71] BECTON, DICKINSON AND COMPANY, US

[22] 2013-03-14

[41] 2013-09-19

[62] 2,867,146

[30] US (61/610,623) 2012-03-14

[30] US (13/793,655) 2013-03-11

[21] **3,001,152**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 47/54 (2017.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) G01N 33/483 (2006.01) G01N 33/573 (2006.01)**

[25] EN

[54] **INHIBITORS OF BRUTON'S TYROSINE KINASE**

[54] **INHIBITEURS DE LA TYROSINE KINASE DE BRUTON**

[72] HONIGBERG, LEE, US

[72] VERNER, ERIK, US

[72] BUGGY, JOSEPH J., US

[72] LOURY, DAVID, US

[72] CHEN, WEI, US

[71] PHARMACYCLICS LLC, US

[22] 2008-03-27

[41] 2008-10-09

[62] 2,874,756

[30] US (11/692,870) 2007-03-28

[30] US (11/964,285) 2007-12-26

[30] US (61/017,125) 2007-12-27

[21] **3,001,155**
[13] A1

[51] **Int.Cl. B66F 9/22 (2006.01) B66F 17/00 (2006.01)**

[25] EN

[54] **MATERIALS HANDLING VEHICLE ESTIMATING A SPEED OF A MOVABLE ASSEMBLY FROM A LIFT MOTOR SPEED**

[54] **VEHICULE DE MANIPULATION DE MATERIAUX CONCU POUR ESTIMER LA VITESSE D'UN ENSEMBLE MOBILE A PARTIR DE LA VITESSE DU MOTEUR D'UN APPAREIL DE LEVAGE**

[72] DAMMEYER, KARL L., US

[72] HOLBROOK, ERIC D., US

[72] IHLE, DARRIN R., US

[72] MCCLAIN, MARC A., US

[72] WALTZ, LUCAS B., US

[71] CROWN EQUIPMENT CORPORATION, US

[22] 2012-02-13

[41] 2012-08-23

[62] 2,826,440

[30] US (61/443,302) 2011-02-16

[30] US (61/560,480) 2011-11-16

[21] **3,001,159**
[13] A1

[51] **Int.Cl. B66F 9/22 (2006.01) B66F 9/08 (2006.01) B66F 17/00 (2006.01)**

[25] EN

[54] **MATERIALS HANDLING VEHICLE ESTIMATING A SPEED OF A MOVABLE ASSEMBLY FROM A LIFT MOTOR SPEED**

[54] **VEHICULE DE MANIPULATION DE MATERIAUX CONCU POUR ESTIMER LA VITESSE D'UN ENSEMBLE MOBILE A PARTIR DE LA VITESSE DU MOTEUR D'UN APPAREIL DE LEVAGE**

[72] DAMMEYER, KARL L., US

[72] IHLE, DARRIN R., US

[72] MCCLAIN, MARC A., US

[72] WALTZ, LUCAS B., US

[72] HOLBROOK, ERIC D., US

[71] CROWN EQUIPMENT CORPORATION, US

[22] 2012-02-13

[41] 2012-08-23

[62] 2,826,440

[30] US (61/443,302) 2011-02-16

[30] US (61/560,480) 2011-11-16

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,001,182**
[13] A1

[51] **Int.Cl. A47L 13/24 (2006.01) A47L 13/16 (2006.01)**
[25] EN
[54] **MULTI-PURPOSE CLEANING IMPLEMENT**
[54] **OUTIL DE NETTOYAGE POLYVALENT**
[72] JAMES, ADRIAN BENTON, US
[72] WHITE, BRYAN THOMAS, US
[72] SHAWVER, MICHAEL JOSEPH, US
[72] VERBIEST, JAN HENDRIK MARIA, US
[72] PANKRATZ, VIRGINIA, US
[72] HOFTE, PAULUS ANTONIUS AUGUSTINUS, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2004-09-03
[41] 2005-03-17
[62] 2,931,655
[30] US (60/499,852) 2003-09-03
[30] US (60/562,000) 2004-04-13

[21] **3,001,203**
[13] A1

[51] **Int.Cl. B66F 9/22 (2006.01) B66F 17/00 (2006.01)**
[25] EN
[54] **MATERIALS HANDLING VEHICLE ESTIMATING A SPEED OF A MOVABLE ASSEMBLY FROM A LIFT MOTOR SPEED**
[54] **VEHICULE DE MANIPULATION DE MATERIAUX CONCU POUR ESTIMER LA VITESSE D'UN ENSEMBLE MOBILE A PARTIR DE LA VITESSE DU MOTEUR D'UN APPAREIL DE LEVAGE**
[72] DAMMEYER, KARL L., US
[72] HOLBROOK, ERIC D., US
[72] IHLE, DARRIN R., US
[72] MCCLAIN, MARC A., US
[72] WALTZ, LUCAS B., US
[71] CROWN EQUIPMENT CORPORATION, US
[22] 2012-02-13
[41] 2012-08-23
[62] 2,826,440
[30] US (61/443,302) 2011-02-16
[30] US (61/560,480) 2011-11-16

[21] **3,001,226**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/337 (2006.01) A61K 31/436 (2006.01)**
[25] EN
[54] **DRUG COATING LAYER**
[54] **COUCHE D'ENROBAGE DE MEDICAMENT**
[72] YAMASHITA, KEIKO, JP
[72] GOTOU, HIROSHI, JP
[72] NOZAWA, SHIGENORI, JP
[72] MORIMOTO, KATSUMI, JP
[72] KASUKAWA, HIROAKI, JP
[71] TERUMO KABUSHIKI KAISHA, JP
[22] 2014-04-01
[41] 2014-10-09
[62] 2,908,420
[30] JP (2013-076434) 2013-04-01

[21] **3,001,352**
[13] A1

[51] **Int.Cl. E01H 10/00 (2006.01)**
[25] EN
[54] **SPREADER**
[54] **EPANDEUR**
[72] WENDORFF, TERRY C., US
[72] GAMBLE, ROBERT N., II, US
[71] SNO-WAY INTERNATIONAL, INC., US
[22] 2014-08-27
[41] 2016-01-28
[62] 2,930,273
[30] US (62/027,014) 2014-07-21
[30] US (62/039,264) 2014-08-19

[21] **3,001,359**
[13] A1

[51] **Int.Cl. E01H 10/00 (2006.01)**
[25] EN
[54] **SPREADER**
[54] **EPANDEUR**
[72] WENDORFF, TERRY C., US
[72] GAMBLE, ROBERT N., II, US
[71] SNO-WAY INTERNATIONAL, INC., US
[22] 2014-08-27
[41] 2016-01-28
[62] 2,930,273
[30] US (62/027,014) 2014-07-21
[30] US (62/039,264) 2014-08-19

[21] **3,001,369**
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **WEAR MEMBERS FOR EXCAVATION IMPLEMENTS**
[54] **ELEMENTS D'USURE POUR OUTILS D'EXCAVATION**
[72] RUVANG, JOHN A., CA
[71] BLACK CAT BLADES LTD., CA
[22] 2015-02-13
[41] 2016-08-18
[62] 2,943,615

[21] **3,001,382**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TREATMENT OF DAMAGED TISSUE**
[54] **DISPOSITIFS ET PROCESSES DE TRAITEMENT DE TISSU ENDOMMAGE**
[72] HU, DEAN, US
[72] PINTO, MOSHE, US
[72] FONG, KENTON, US
[71] SPIRACUR INC., US
[22] 2009-02-13
[41] 2009-08-20
[62] 2,912,889
[30] US (61/028,835) 2008-02-14

[21] **3,001,399**
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) C07C 237/46 (2006.01) C07F 5/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF IOPAMIDOL**
[54] **PROCEDE DE PREPARATION D'IOPAMIDOL**
[72] BATTISTINI, ELISA, IT
[72] BUONSANTI, FEDERICA, IT
[72] IMPERIO, DANIELA, IT
[72] LATTUADA, LUCIANO, IT
[72] NAPOLITANO, ROBERTA, IT
[71] BRACCO IMAGING SPA, IT
[22] 2014-11-04
[41] 2015-05-14
[62] 2,927,706
[30] EP (13191551.4) 2013-11-05

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,001,601**

[13] A1

[51] **Int.Cl. H04N 19/503 (2014.01)**

[25] EN

[54] **DYNAMIC IMAGE PREDICTIVE
ENCODING AND DECODING
DEVICE, METHOD, AND
PROGRAM**

[54] **DISPOSITIF DE DECODAGE ET
DE CODAGE PREDICTIF
D'IMAGE DYNAMIQUE,
PROCEDE ET PROGRAMME
ASSOCIES**

[72] BOON, CHOONG SENG, JP

[72] TAKIUE, JUNYA, JP

[72] FUJIBAYASHI, AKIRA, JP

[72] TAN, THIOU KENG, JP

[71] NTT DOCOMO, INC., JP

[22] 2013-04-09

[41] 2014-01-03

[62] 2,877,916

[30] JP (2012-145832) 2012-06-28

[21] **3,001,812**

[13] A1

[51] **Int.Cl. G01N 27/83 (2006.01)**

[25] EN

[54] **FAULT DETECTION FOR
PIPELINES**

[54] **DETECTION DES DEFAILLANCES
POUR DES PIPELINES**

[72] FREEAR, STEVEN, GB

[72] VARCOE, BEN, GB

[72] COWELL, DAVID MATTHEW
JOSEPH, GB

[72] STAPLES, STEPHEN GEORGE
HENRY, GB

[72] VO, CHAU, GB

[71] SPEIR HUNTER LTD., GB

[22] 2013-03-01

[41] 2013-09-06

[62] 2,866,174

[30] GB (1203717.2) 2012-03-02

[21] **3,001,814**

[13] A1

[51] **Int.Cl. A61M 31/00 (2006.01) A61F
2/18 (2006.01)**

[25] EN

[54] **EXPANDABLE DEVICES AND
METHODS THEREFOR**

[54] **DISPOSITIFS EXPANSIBLES ET
PROCEDES POUR LES UTILISER**

[72] ABBATE, ANTHONY J., US

[71] INTERSECT ENT, INC., US

[22] 2010-05-13

[41] 2010-11-18

[62] 2,761,769

[30] US (61/178,896) 2009-05-15

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(ISRAEL), LTD.	2,983,487	DIFRANCESCO, MATTHEW A.	2,983,730	GOROCHOW, LACEY	2,983,492
BIOSENSE WEBSTER		DISABATINO, BENJAMIN	2,980,375	GOVARI, ASSAF	2,983,487
(ISRAEL), LTD.	2,983,493	DISTRIBUTEL		GOVARI, ASSAF	2,983,493
BLACKLOCK, OLIVER S.	2,946,768	COMMUNICATIONS		GOWELL INTERNATIONAL,	
BODEN, THOMAS, JR.	2,984,229	LIMITED	2,946,633	LLC	2,983,840
BOHNER, STEPHAN ERNST	2,983,756	DOMBOWSKY, BENEDICT J.	2,994,868	HAL WRIGHT	2,946,557

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HAO, JACKIE	2,983,546	LIU, SHAO	2,946,295	POHLMAN, JOE KIPTON	2,983,531
HARLESS, RICHARD I.	2,946,485	LOCKEDUP LTD.	2,946,641	POTASEK, DAVID P.	2,975,342
HARRELL, KEITH	2,976,999	LOFTIS, RICHARD JOHN	2,976,999	POULIN, JEAN-PIERRE	2,968,804
HARRIS CORPORATION	2,946,485	LOWE'S COMPANIES, INC.	2,983,531	POWELTEC	2,983,498
HARTMAN, DAVID P.	2,983,730	LUEBKE, JUERGEN	2,946,132	POWER, BRONWYN	2,963,543
HASSETT, PAUL	2,983,526	MACKEY, DAVID	2,983,728	POWER, BRONWYN	2,966,085
HB&G BUILDING PRODUCTS, INC.	2,975,866	MACNEIL IP LLC	2,963,041	PRATT & WHITNEY CANADA CORP.	2,968,281
HEINAR, THOMAS	2,982,923	MACNEIL IP LLC	2,982,415	PRATT & WHITNEY CANADA CORP.	2,968,388
HELLEMANS, GEERT	2,981,211	MACNEIL, DAVID F.	2,963,041	PRATT & WHITNEY CANADA CORP.	2,976,982
HERRERA, KEVIN JUSTIN	2,983,487	MACNEIL, DAVID F.	2,982,415	PRATT & WHITNEY CANADA CORP.	2,978,803
HIM, AYLAN	2,983,728	MAH, EVAN GEEVOUY	2,946,264	PUCKETT, DANIEL	2,946,633
HOFMANN, TODD	2,946,491	MAHRENHOLZ, JOHN R.	2,975,764	PULSE DIRECTIONAL TECHNOLOGIES INC.	2,984,296
HOLT, RONALD	2,983,735	MALANDRAKIS, EMANUEL PAUL	2,982,946	RAIN, MARK	2,982,470
HONEYWELL INTERNATIONAL INC.	2,974,763	MANOT, RICHARD	2,981,462	RASZGA, CALIN	2,975,764
HOWLAND, SHANNON L.	2,976,503	MASANEK, FREDERICK W., JR.	2,963,041	RAY, GARY A.	2,972,649
HUCK, KENNETH W.	2,981,454	MASANEK, FREDERICK W., JR.	2,982,415	RAZALI, MAYAMIN BINTI MOHD	2,984,052
HUNTER DOUGLAS INC.	2,983,730	MASILAMANI, SOUNDARAKUMAR	2,982,199	REDDY, CHINTHALAPUDI G. K.	2,982,199
HUNTER DOUGLAS INC.	2,983,735	MATTOCKS, GREGORY E.	2,976,999	REHRIG PACIFIC COMPANY	2,983,330
IDEMIA IDENTITY & SECURITY FRANCE	2,982,787	MAZIARZ, JEFFREY	2,983,532	REN, SUCHANG	2,984,052
IGWE, GODWILL MBA	2,946,260	MCKAY, MICHAEL PATRICK	2,984,052	RHEEM AUSTRALIA PTY LIMITED	2,984,227
INNOVAPLAS	2,946,361	MCLEISH, ROY G.	2,946,148	RICCI, THOMAS TREVOR	2,968,281
INSTITUT NATIONAL D'OPTIQUE	2,946,474	MCRAE, MICHAEL M.	2,996,372	RICHARDSON, MARCUS KAREL	2,974,287
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ISPAN SYSTEMS LP	2,983,519	MITCHELL, BRADLEY J.	2,972,649	RIVERS, JONATHAN M.	2,966,085
J JO MARKET LLC	2,957,955	MOHAMMED, AAMER	2,983,303	ROBINSON, WILLIAM	2,983,330
J. VAN BEUGEN BEHEER B.V.	2,983,723	MONASH UNIVERSITY	2,946,295	ROLLS-ROYCE CORPORATION	2,963,543
JACKSON, RONALD E., JR.	2,946,485	MOORE, BRUCE	2,976,503	ROLLS-ROYCE CORPORATION	2,966,085
JASKIEWICZ, TOM	2,984,306	MORAD, FRED I.	2,983,190	ROLLS-ROYCE CORPORATION	2,975,772
JOEL, KEVIN	2,992,694	MORALES, CLAUDIA A.	2,983,728	ROLLS-ROYCE DEUTSCHLAND LTD & CO KG	2,983,852
JONES, KELLY THOMAS	2,976,572	MORGAN, KEITH	2,976,982	ROLSMA, ANDREW M.	2,984,001
JONES, PHILIP R.	2,983,526	MULDOON, THOMAS	2,983,752	ROSEMOUNT AEROSPACE INC.	2,975,342
JPW INDUSTRIES INC.	2,983,836	NATIONAL CHRISTMAS PRODUCTS, INC.	2,996,372	ROTHFUS, RANDALL ALLEN	2,957,955
KADONO, HIDEYA	2,981,381	NICHOLLS, JAMES ALEXANDER	2,974,763	RUHLANDER, GREGORY	2,983,728
KALINOWSKI, DANE GIN MUN	2,983,330	NORTH COAST CONTAINER	2,983,846	SALEH, NABIL	2,957,345
KALYANKAR, VARSHA	2,984,001	NORTHON, BENTLEY E.	2,972,649	SALEH, NABIL	2,977,079
KASPRZAK, CHRISTOPHER P.	2,983,847	NOVA CHEMICALS CORPORATION	2,946,264	SALEH, NABIL	2,977,806
KENDALL, ADAM	2,984,306	NUGENT, KEITH	2,946,485	SALEHI, NAZANINE	2,983,498
KERR, PETER	2,984,227	O'NEILL, JESSICA EDEN	2,983,695	SALMON, JAMES J.	2,976,999
KETTNER, BRUCE	2,981,275	OCTAGON ENERGY SERVICES INC.	2,946,132	SATO, KENJI	2,981,381
KEYES, JOSEPH THOMAS	2,983,487	ONARD, STEPHANE	2,981,462	SCHAEFFLER TECHNOLOGIES AG & CO. KG	2,974,283
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KLINK, JEROD D.	2,946,641	OLSON, JAMES	2,952,918	SCHMEICHEL, CHARLES M.	2,947,091
KOLVEK, STEPHEN J.	2,946,485	ONNO, STEPHANE	2,982,573	SCHULTE INDUSTRIES LTD.	2,946,491
KOSELEK, MICHAEL EDWARD	2,946,264	OTT, LAURA ELIZABETH	2,983,531	SEMA, GHISLAIN G.	2,983,493
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KULSHRESHTHA, SALAKSHNA	2,982,199	PALL CORPORATION	2,983,990	SHI, JIANCHONG	2,946,625
KUPERUS, KO	2,983,730	PALUSZEWSKI, PAUL J.	2,983,990		
LA-ROSE, KEVIN L.	2,946,148	PANELLI, ANDREW	2,983,847		
LACEY, DARRON KIRBY	2,983,546	PASCH, CHELSEA	2,946,944		
LE FLOCH, GREGORY	2,982,649	PAUL, ARIJIT	2,982,199		
LEACH, STEVEN H.	2,983,320	PAULS, ROBERT B.	2,981,275		
LEGUILLON, VALERIE	2,982,573	PENNY, DANIEL W.	2,984,001		
LEHMANN, KNUT	2,983,852	PLANTE, GHISLAIN	2,976,982		
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AKTIENGESELLSCHAFT	2,982,530	WILHELM, JOEL	2,982,646
SIMANZHENKOV, VASILY	2,946,264	WISECUP, STEPHEN T.	2,983,735
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SMITH, NATALEE JO-ANN	2,983,526	YANG, QINSHAN	2,983,840
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UNKNOWN	2,946,625		
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2ELMS PTE. LTD.	3,002,131	AL-NAKHLI, AYMAN R.	3,001,550	PHARMACEUTICALS,	
4FRONT ROBOTICS LTD.	3,001,734	ALAAS, YOUSEF H.	3,001,449	INC.	3,001,128
8 RIVERS CAPITAL, LLC	3,001,841	ALBER, GERHARD	3,001,713	APICCO, DANIEL J.	3,001,853
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A. J. ANTUNES & CO.	3,001,706	INC.	3,001,572	AQUINNAH	
A. J. ANTUNES & CO.	3,001,715	ALDERMAN, ROBERT A.	3,001,809	PHARMACEUTICALS,	
A.O.SMITH (CHINA) WATER		ALDRIDGE, MATT	3,002,032	INC.	3,001,853
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BARZEGAR, FARHAD	2,999,746	BENSAID, SAMIR	3,001,650	BODE, HEINRICH	3,001,717
BASF COATINGS GMBH	3,002,119	BERARDINELLI, RAYMOND		BODO, LORALEE J.	3,001,902
BASF SE	3,001,757	A.	3,001,350	BOEHRINGER INGELHEIM	
BASF SE	3,001,774	BERDINI, VALERIO	3,001,799	INTERNATIONAL GMBH	3,001,929
BASF SE	3,001,870	BEREZINA, NATHALIE	3,001,830	BOGGS, JOSEPH W.	3,002,033
BASF SE	3,001,975	BERG, CHARLES JOHN	3,002,012	BOHLOOLY-YEGANEH,	
BASF SE	3,001,979	BERG, CHARLES JOHN	3,002,017	MOHAMMAD	3,001,518
BASQUIN, STEPHANE	3,001,426	BERGINS, CHRISTIAN	3,001,764	BOJICIC, DEJAN	3,002,038
BASS, TOM	3,001,694	BERGQVIST, MATTIAS	3,001,938	BOMBARDIER INC.	3,001,523
BASS, TOM	3,001,855	BERKELEY LIGHTS, INC.	3,001,616	BOMBARDIER INC.	3,001,524
BASSI, CORRADO	3,001,907	BERNA, AMALIA	3,001,885	BOMBARDIER PRIMOVE	
BASSI, CORRADO	3,002,060	BERNREUTER, WADE	3,001,716	GMBH	3,002,114
BATAI, ROLAND	3,002,022	BERRY PLASTICS		BOMCHIL, NATALIA INES	3,001,340
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BATISTA, RUI	3,001,946	BERRY, CHARLES DAVID	3,001,544	BONANO, SAMANTHA	3,001,705
BATORI, VINCENT	3,001,676	BERRY, CHARLES DAVID	3,001,546	BONNAUD, THIERRY	3,002,074
BATSON, JENNIFER	3,001,789	BERRY, CHARLES DAVID	3,001,553	BONNIN, THIERRY	3,001,645
BAUER, DANIEL	3,001,763	BERRY, CHARLES DAVID	3,001,554	BONNIN, THIERRY	3,001,646
BAYAT, ARDESHIR	3,001,951	BERTANI, BARBARA	3,001,929	BONNIN, THIERRY	3,001,648
BAYER PHARMA		BERTELLI & PARTNERS S.R.L.	3,001,517	BOOCK, ROBERT J.	3,002,099
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BAZINET, PATRICK ROSAIRE	3,001,712	BEYER, TOBIAS	3,001,925	BOREALIS AG	3,001,938
BEAUMONT, VINCENT	3,001,524	BEZENCON, CYRILLE	3,001,907	BOREALIS AG	3,002,116
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BOSTON SCIENTIFIC SCIMED,		BANDARA	3,002,022	CARR, ANDREW	3,002,074
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BOT, ARJEN	3,001,928	BURDENIUC, JUAN JESUS	3,001,558	CASAS, VICTOR	3,002,148
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BOUVET, JEROME	3,001,340	ROBERT	3,001,947	ENTERPRISES LIMITED	3,002,132
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BOWERS, JAMES L.	3,001,600	BURKHALTER, KURT	3,001,348	CCL LABEL, INC.	3,001,909
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BRANDL, ANDREW J.	3,002,157	BURKHOLZ, JONATHAN		HOWARD	3,001,583
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SERVICES LTD	3,001,640	DZIADOSZ, DAN	3,001,856	ESSILOR INTERNATIONAL	3,001,719
DIMARTINO, JORGE	3,002,029	EADS, THAD J.	3,001,867	ESSILOR INTERNATIONAL	3,001,762
DIMARTINO, JORGE	3,002,068	EAST, DAVID M.	3,001,872	ESSILOR INTERNATIONAL	3,001,824
DIRGO, ROBERT T.	3,001,348	EAST, LOYD E., JR.	3,001,837	ESSILOR INTERNATIONAL	3,001,990
DISTEFANO, DANIEL	3,001,878	EATON INTELLIGENT POWER		ESSY, BLAIR R.	3,001,657
DJURDJEVIC, BOBAN	3,001,743	LIMITED	3,001,684	EUGSTER / FRISMAG AG	3,001,617
DJURETIC, IVANA	3,002,066	EATON INTELLIGENT POWER		EUREKA THERAPEUTICS,	
DO, HENRY	3,001,538	LIMITED	3,001,849	INC.	3,001,910
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DOEHLER, HARDI	3,001,931	EBLER, RALPH J.	3,001,213	EVANS, PHIL	3,001,868
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DOGGETT, DAVID	3,001,801	ECKERT, DANIEL	3,001,546	EVONIK DEGUSSA GMBH	3,001,930
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DONG, MINGZHU	3,001,750	ECOLAB USA INC.	3,001,717	DEVELOPMENT	
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FLAVIANO	3,001,920	EDRINGTON DISTILLERS		INC.	3,001,921
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F. HOFFMANN-LA ROCHE AG	3,001,763	FONTANA, CELIA	3,001,340	FURTWANGLER, STEVEN N.	3,002,055
F. HOFFMANN-LA ROCHE AG	3,001,933	FONTIJJN, MARCEL	3,002,024	FURUSAKO, SEIJI	3,001,442
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GOOGLE LLC	3,001,888	HALL, DOUGLAS B.	3,001,592	HARRIS, NATHAN CRAIG	3,001,978
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HILL, BRUCE	3,001,716	HOWARD, STEVEN	3,001,690	JACKSON, BRICE AARON	3,001,458
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HILTI AKTIENGESELLSCHAFT	3,001,531	HOWELL, JORDAN	3,002,093	JACQUEMET, CHRISTIAN	3,001,508
HILTI AKTIENGESELLSCHAFT	3,001,535	HU, OLIVIA	3,001,906	JAGTAP, PRAKASH	3,001,667
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HIRATA, TAKUYA	3,001,968	HUANG, CHOW-CHI	3,002,017	JALONEN, HARRY	3,001,752
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HO, NGA	3,001,621	HUANG, MENG	3,001,750	JAMES, DARREN IVOR	3,001,781
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THE SCRIPPS RESEARCH		TORAY INDUSTRIES, INC.	PARIS 7	3,001,637
INSTITUTE	3,001,903	TORAY INDUSTRIES, INC.	UNIVERSITY OF FLORIDA	
THE TRUSTEES OF		TORJUSSEN, KENNETH	RESEARCH	
COLUMBIA UNIVERSITY		TOROS, GABOR BALINT	FOUNDATION, INC.	3,001,882
IN THE CITY OF NEW		TORREY PINES INSTITUTE	UNIVERSITY OF HAWAII	3,000,814
YORK	3,001,859	FOR MOLECULAR	UNIVERSITY OF MARYLAND,	
		STUDIES	BALTIMORE	3,002,211
		TOTAL SA		
		TOTOKOTSPOULOS,		
		SOTIROS		
		3,002,027		

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UNO, TETSUO	3,001,482	VILLEGAS, GILDARDO R.	3,001,909	WANG, NING	3,001,681
UOP LLC	3,001,739	VINOKUROV, DMITRIY	3,001,456	WANG, SHANGER	3,002,099
UPCHURCH, GUY	3,002,038	VIRGINIA TECH		WANG, SHUANGCHENG	3,001,424
UPM-KYMMENE		INTELLECTUAL		WANG, TAO	3,001,431
CORPORATION	3,001,674	PROPERTIES, INC.	3,002,233	WANG, WEN BO	3,002,157
USADEL GMBH	3,001,771	VISUMEDICS, INC.	3,001,534	WANG, XING	3,001,482
USADEL, JAN	3,001,771	VISWANADHAN, KRISHNAN	3,002,029	WANG, XINJIANG	3,001,817
USG INTERIORS, LLC	3,002,053	VISWANADHAN, KRISHNAN	3,002,068	WANG, YANPING	3,002,027
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UY, HARVEY	3,002,085	VOELKEL, CALEB	3,001,898	WARD, COY DEL	3,002,017
UYANIK, ILYAS	3,001,989	VOGT, FLORIAN	3,001,975	WARD, JEFFERSON P.	2,961,941
VACCA, JOSEPH P.	3,001,857	VOGT, FLORIAN	3,001,979	WARD, JEFFERSON P.	2,961,946
VACCARO, ABRAM MICHAEL	3,002,196	VOITH PATENT GMBH	3,001,770	WARD, SHANE GERARD	3,001,736
VADAKETH, LEENA	3,002,093	VOLKOV, KALLE-RASMUS	3,001,500	WARES WORLD WIDE LLC	3,002,076
VALAMEHR, BAHRAM	3,001,917	VON BENTEN, REBEKKA	3,001,757	WARREN, JEREMY B.	3,002,002
VALBIOTIS	3,001,778	VORA, KALPIT A.	3,001,878	WARRIER, JAYAKUMAR	
VALENCIA, JULIO	3,001,708	VOSKINARIAN-BERSE,		SANKARA	3,001,890
VALLALA, VIJAY	3,001,790	VANESSA	3,002,066	WARRIER, JAYAKUMAR	
VALLALA, VIJAY	3,001,801	VUIK, KEES	3,001,187	SANKARA	3,001,894
VALLERAND, JOHN	3,002,158	W. L. GORE & ASSOCIATES,		WASELS, FRANCOIS	3,001,815
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HUIBRECHT JOHANNES		WAGENER, JEFFERSON L.	3,001,996	WAVIN B.V.	3,001,936
ARJEN	3,002,140	WAGNER, SABINE	3,001,229	WEBB, IAN	3,002,126
VAN DER WORP, HENDRIK		WAKABAYASHI, HIDEJI	3,001,753	WEBER, JOSEPH P.	3,001,805
JAN MARK	3,001,936	WAKATABE, MICHIO	3,001,445	WEBER, JOSEPH P.	3,001,813
VAN LEEUWEN, JONATHAN	3,001,921	WALDBURG, SIMON	3,001,764	WEBER, JOSEPH P.	3,001,972
VAN NATTA, BRUCE	3,002,062	WALDMEIER, LORENZ	3,001,941	WEBER, JOSEPH P.	3,001,973
VAN ORDEN, LORI JEAN	3,001,542	WALDROP, ALEX A., III	3,001,609	WEBER, JOSEPH P.	3,001,978
VAN VLIET, MICHIEL		WALIA, ANMOL	3,001,869	WEBER, JOSEPH P.	3,001,982
CHRISTIAN ALEXANDER	3,001,572	WALKER, CHRISTOPHER		WECHSLER, SIMON	3,002,114
VAN WYNSBERGHE, ERINN	3,001,071	BRIAN	3,001,538	WEGENER, SARA K.	3,001,861
VANDERWEYDE, TARA	3,001,853	WALLER, JUDITH	3,001,784	WEI, AIGUO	3,001,747
VANIGLIA, MILO	3,001,911	WALLER, JUDITH	3,001,785	WEICHEL, MICHAEL	3,001,765
VANKO, DANIEL	3,001,948	WALMART APOLLO, LLC	3,001,421	WEIGELE, MANFRED	3,001,857
VANKOSKI, STEPHEN	3,001,838	WALMART APOLLO, LLC	3,001,544	WEINBERG, ROBERT J.	3,001,861
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VAU, JEAN-MARIE	3,001,943	WALMART APOLLO, LLC	3,001,987	WESLEY, AVINASH	3,001,989
VAVVAS, DEMETRIOS	3,001,661	WALSER, DANIEL	3,001,759	WESSEL, THOMAS	3,001,356
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VEGA, FRANCISCO	3,001,715	WALSH, MICHAEL	3,001,618	TECHNOLOGIES	
VEGA, IGNACIO	3,001,706	WALTER, STEFFEN	3,001,754	CORPORATION	3,001,893
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VERMEER MANUFACTURING		WANG, BIN	3,001,697	DIXON, IV	3,001,912
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WILHELM, RUDOLPH	3,001,435	YAMAMOTO, TETSUYA	3,001,807	ZHAO, DAN	3,002,107
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ANNE	3,001,799	YUN, YUE	3,001,570		
WOOSTER, RICHARD	3,001,712	ZACHER, RUDOLPH F.	3,002,085		
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WOUTERS, ROBBERT		ZENG, LINGGUO	3,001,431		
CHRISTIANUS ANTONIUS	3,001,235	ZETEC, INC.	3,001,455		
WU, TIAN SUN	3,002,107	ZHAN, ZHUO	2,987,126		
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XU, QIANG	3,002,068	ZHANG, MINGBAO	3,001,722		
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JACKELS, HANS ADOLF	2,994,492	MILICH, ROBERT, JR.	2,998,123	RAYBUCK, SCOTT	2,995,041
JACKSON, JOHN K.	2,999,629	MINEZAWA, AKIRA	3,000,366	REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK	2,979,377
JACOBS, ALAN JEFFREY	3,000,256	MINEZAWA, AKIRA	3,000,998	REIMINGTON, BENJAMIN J.	2,997,505
JAMES, ADRIAN BENTON	3,001,182	MINEZAWA, AKIRA	3,001,027	RESTIVE, MARIO J.	2,996,570
JIDDAWI, SALEH	2,981,813	MITCHELL, GEORGE A.	2,996,570	RITTERBUSH, STEPHEN	2,995,279
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JOHNSON, GARRETT	3,000,119	MITSUBISHI ELECTRIC CORPORATION	3,000,998	ROE, DONALD	2,994,492
JONES, TIMOTHY D.	2,998,281	MITSUBISHI ELECTRIC CORPORATION	3,001,027	ROSATI, RODRIGO	2,994,492
JONSSON, ANDREAS	2,999,664	MIYAZAWA, KAZUYUKI	3,001,027	RUVANG, JOHN A.	3,001,369
KAINTHAN, RAJESH KUMAR	2,999,629	MONSANTO TECHNOLOGY LLC	2,997,731	SAKUMOTO, KOICHI	3,000,137
KALMANN, MENNO	2,997,871	MONSANTO TECHNOLOGY LLC	2,997,781	SANBORN, SARAH ANN	2,994,492
KARASIUK, KENNETH B.	2,999,547	MONSANTO TECHNOLOGY LLC	2,997,793	SANDHU, AGEEL A.	2,995,041
KARCHI, HAGAI	2,999,342	MOORLAG, CAROLYN	2,981,813	SAUDI ARABIAN OIL COMPANY	3,000,326
KASUKAWA, HIROAKI	3,001,226	MORIMOTO, KATSUMI	3,001,226	SAWASKI, JOEL D.	3,000,704
KAYE, MATTHEW VARGHESE	3,000,731	MORIYA, YOSHIMI	3,001,027	SCA HYGIENE PRODUCTS AB	3,000,707
KENNEDY, SHAWN	3,000,969	MUGABE, CLEMENT	2,999,629	SCHOELKOPF, JOACHIM	2,998,017
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KIZHAKKEDATHU, JAYACHANDRAN	2,999,629	NAPOLITANO, ROBERTA	3,001,399	SEKIGUCHI, SHUNICHI	3,000,998
KLOEPFER, MICHAEL	3,000,468	NAVEAU, PAUL	2,999,637	SHAWVER, MICHAEL JOSEPH	3,001,182
KONDO, TORU	2,998,412	NEUROPRO TECHNOLOGIES, INC.	2,997,505	SHEIKHA, HUSSAIN	2,998,423
KRAUSZ, BRIAN	3,000,241	NOZAWA, SHIGENORI	3,001,226	SHIMONI-ZALK, DAPHNA	2,998,199
KREUZER, CARSTEN HEINRICH	2,994,492	NTT DOCOMO, INC.	3,000,726	SHIRAI, TAIZO	3,000,137
KWALATA TRADING LIMITED	2,998,199	NTT DOCOMO, INC.	3,000,728	SHULTZ, RANDALL W.	2,997,731
LA FEVER, GEORGE B.	3,000,710	NTT DOCOMO, INC.	3,001,601	SHULTZ, RANDALL W.	2,997,781
LATTUADA, LUCIANO	3,001,399	OLSEN, GREGORY JAMES	3,000,923	SHULTZ, RANDALL W.	2,997,793
LEE, JONATHAN SIU-CHUNG	2,981,813	OMYA INTERNATIONAL AG	2,998,017	SIEBEL, JUSTIN	3,000,707
LEES, RICK	3,000,468	ONE PASS IMPLEMENTS INC.	2,999,674	SISLER, GORDON	2,981,813
LEHMAN, ADAM I.	2,997,871	ONE PASS IMPLEMENTS INC.	2,999,678	SKUJINS, PETER	3,000,119
LENKER, ZACH	3,000,969	ONG, PAUL	3,000,969	SNO-WAY INTERNATIONAL, INC.	3,001,352
LI, YUE-SHENG	2,997,971	OPPONG, DAVID	2,997,864	SNO-WAY INTERNATIONAL, INC.	3,001,359
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LOCKLIN, JASON J.	3,000,077	OUFATTOLE, MOHAMMED	2,997,793	SOLOMON, LESLIE BROOKS	3,000,969
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MARLEAU, BENOIT	3,000,126	POLLOCK, SARAH RACHEL	2,999,342	STRATTON, DENNIS A.	3,000,171
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