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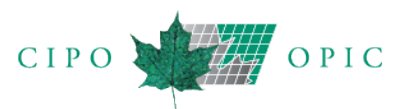
du Bureau des brevets



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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.

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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.

4. Late payment fee

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

Preliminary Examination

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

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

* International fees will be reduced by:

- \$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).

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

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

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

* Les frais seront réduits de:

- 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. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

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Offices.

(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.

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.

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*.

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).

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

14. Correspondence Procedures

June 20, 2017

14. Procédures de correspondance

le 20 juin, 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](#)

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](#)

This notice will replace all previous notices regarding Correspondence Procedures.

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

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.*

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. 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

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.

Veillez 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 MailTM and XpresspostTM 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 :

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- 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.

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

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.

* 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

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.

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.

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.

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.

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

6. Procédures en cas de fermeture des bureaux

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.

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.

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.

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.

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.

NOTICE REGARDING UNEXPECTED CLOSURES OF THE OFFICE

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.

On May 8, 2017 and May 9, 2017, CIPO was closed for business due to extraordinary circumstances.

For information regarding a previous business closure, please contact the Client Service Centre or consult CIPO's website.

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.

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.

AVIS CONCERNANT UNE FERMETURE INATTENDUE DU BUREAU

Lorsque l'OPIC est fermé, notamment en raison de circonstances exceptionnelles, l'OPIC considère que toutes les échéances sont prorogées jusqu'au jour de réouverture du bureau.

Les 8 et 9 mai 2017, l'OPIC était fermé au public en raison de circonstances exceptionnelles.

Pour obtenir des renseignements concernant une fermeture antérieure de nos bureaux, veuillez communiquer avec le centre de service à la clientèle ou consulter le site Web de l'OPIC.

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.

Avis

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.

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 January 22, 2019 contains applications open to public inspection from January 6, 2019 to January 12, 2019.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 22 janvier 2019 contient les demandes disponibles au public pour consultation pour la période du 6 janvier 2019 au 12 janvier 2019.

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[13] C

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[25] EN

[54] **ISOLATED COMMUNICATION SAMPLE PROCESSING SYSTEM AND METHODS OF BIOLOGICAL SLIDE PROCESSING**

[54] **SYSTEME DE TRAITEMENT D'UN ECHANTILLON DE COMMUNICATION ISOLE ET PROCEDES DE TRAITEMENT DE LAMES BIOLOGIQUES**

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[72] KEY, MARC, US
[73] DAKO DENMARK A/S, DK
[85] 2005-05-31
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[87] (WO2004/059288)
[30] US (60/435,601) 2002-12-20
[30] US (PCT/US03/40974) 2003-12-19
[30] US (PCT/US03/40591) 2003-12-19
[30] US (PCT/US03/40519) 2003-12-19
[30] US (PCT/US03/40518) 2003-12-19
[30] US (PCT/US03/40880) 2003-12-22

[11] **2,578,655**
[13] C

[51] **Int.Cl. G06Q 40/04 (2012.01)**

[25] EN

[54] **PROCESS FOR PROVIDING TIMELY QUALITY INDICATION OF MARKET TRADES**

[54] **PROCEDE POUR FOURNIR DES INDICATIONS PONCTUELLES DE QUALITE RELATIVES A DES OPERATIONS SUR LE MARCHÉ**

[72] HANSEN, PETER, US
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[72] LANDMARK, NICOLAY, US
[73] NYSE GROUP, INC., US
[85] 2006-10-13
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[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/12 (2013.01)**

[25] EN

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[54] **MISES A JOUR DE LOGICIELS SECURISES**

[72] WYSOCKI, CHRISTOPHER R., US
[72] WARD, ALAN, US
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[25] EN

[54] **DSRNA AS INSECT CONTROL AGENT**

[54] **PROCEDES DESTINES A LUTTER CONTRE DES PARASITES AU MOYEN D'ARNI**

[72] RAEMAEEKERS, ROMAAN, BE
[72] KUBLER, LAURENT, FR
[72] PLAETINCK, GEERT, BE
[72] VANBLEU, ELS, BE
[72] BOGAERT, THIERRY, BE
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[30] US (60/771,160) 2006-02-07
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[13] C

[51] **Int.Cl. C12M 1/26 (2006.01) C12M 1/34 (2006.01)**

[25] EN

[54] **PROCESS ANALYSIS SYSTEM WITH STERILE SAMPLING OF MECHANICALLY SENSITIVE MATERIAL FROM A BIOREACTOR**

[54] **SYSTEME D'ANALYSES DE PROCEDES A PRELEVEMENT STERILE DE MATERIAUX SENSIBLES MECANIQUEMENT, A PARTIR D'UN BIOREACTEUR**

[72] STEIGMILLER, STEFAN, DE
[72] TUPS, HANS, DE
[72] SOMMER, KARSTEN, DE
[72] DANSTEDT, SONJA, DE
[72] SCHIFFHAUER, MARTIN, DE
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[25] EN
[54] **METHOD FOR TREATMENT OF DIARRHEA-PREDOMINANT IRRITABLE BOWEL SYNDROME**
[54] **METHODE DE TRAITEMENT DU SYNDROME DU COLON IRRITABLE A DIARRHEE PREDOMINANTE**
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[54] **MULTI POWER SOURCED ELECTRIC VEHICLE**
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[72] DE CRECY-LAGARD, VALERIE, US
[73] WESTERN UNIVERSITY OF HEALTH SCIENCES, US
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[54] **MECANISME DE CATHETER**
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[13] C

[51] **Int.Cl. G11B 19/00 (2006.01) H04N 5/76 (2006.01)**
[25] EN
[54] **STORAGE MANAGEMENT OF A RECORDING DEVICE IN A MULTI-USER SYSTEM**
[54] **GESTION DE STOCKAGE D'UN DISPOSITIF D'ENREGISTREMENT DANS UN SYSTEME MULTI-UTILISATEUR**
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[72] KNEE, ROBERT A., US
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[25] EN
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[13] C

[51] **Int.Cl. A61M 1/28 (2006.01) A61M 39/18 (2006.01)**
[25] EN
[54] **DISPOSABLE COMPONENTS FOR FLUID LINE AUTOCONNECT SYSTEMS AND METHODS**
[54] **COMPOSANTS JETABLES POUR DES SYSTEMES ET DES PROCEDES D'AUTOCONNEXION DE TUYAU DE FLUIDE**
[72] MCGILL, DAVID W., US
[72] SCARPACI, JACOB W., US
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[25] EN
[54] **METHOD FOR DETECTING
CONTAMINATION ON A MOVING
OBJECT AND MEASUREMENT
APPARATUS FOR THIS**
[54] **METHODE DE DETECTION DE
LA CONTAMINATION SUR UN
OBJET EN MOUVEMENT, ET
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[72] VAN BREE, DAAN, NL
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[51] **Int.Cl. H05B 6/70 (2006.01)**
[25] FR
[54] **DEVICE FOR APPLYING
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[54] **DISPOSITIF D'APPLICATION
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[51] **Int.Cl. G08G 1/052 (2006.01) G08G
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[25] EN
[54] **TRAFFIC PROFILING AND ROAD
CONDITIONS-BASED TRIP TIME
COMPUTING SYSTEM WITH
LOCALIZED AND COOPERATIVE
ASSESSMENT**
[54] **SYSTEME DE CALCUL DE LA
DUREE D'UN TRAJET BASE SUR
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DE LA CIRCULATION ET SUR
LES CONDITIONS ROUTIERES
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[30] US (61/071,564) 2008-05-06

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[13] C

[51] **Int.Cl. A61K 38/20 (2006.01) A61P
37/00 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **AGENT FOR THE TREATMENT
AND/OR PROPHYLAXIS OF AN
AUTOIMMUNE DISEASE AND
FOR THE FORMATION OF
REGULATORY T CELLS**
[54] **MOYENS SERVANT AU
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LYMPHOCYTES T
REGULATEURS**
[72] PAULSEN, DANIELA, DE
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[25] EN
[54] **SELF-CENTERING, TORQUE-SENSING JOINT ASSEMBLY FOR A PALLET TRUCK POWER STEERING SYSTEM**
[54] **ENSEMBLE JOINT DETECTEUR DE COUPLE AUTOCENTREUR D'UN SYSTEME DE DIRECTION DE TRANSPALLETTE**
[72] HANNA, TIMOTHY T., US
[72] DAY, RICHARD M., US
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[25] EN
[54] **MODULAR CHILLER UNIT WITH DEDICATED COOLING AND HEATING FLUID CIRCUITS AND SYSTEM COMPRISING A PLURALITY OF SUCH UNITS**
[54] **UNITE DE REFROIDISSEMENT MODULAIRE DOTE DE CIRCUITS SPECIALISES DE REFROIDISSEMENT ET DE CHAUFFAGE ET SYSTEME COMPRENANT PLUSIEURS DE CES UNITES**
[72] MIGLIO, ROSS A., US
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[25] EN
[54] **CARBON CATALYST, METHOD FOR MANUFACTURING THE CARBON CATALYST, AND ELECTRODE AND BATTERY USING THE CARBON CATALYST**
[54] **CATALYSEUR AU CARBONE, PROCEDE DE FABRICATION ASSOCIE, ET ELECTRODE ET BATTERIE UTILISANT LE CATALYSEUR AU CARBONE**
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[11] **2,746,959**

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[25] FR
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[54] **SUPPORT D'UNE BANDE DE CAPTAGE DE COURANT ELECTRIQUE**
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[73] NOVA WILDCAT SHUR-LINE, LLC, US
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[54] **APPAREIL SERVANT A LA FABRICATION D'UN ARTICLE FIBREUX A PROFIL TRIDIMENSIONNEL**
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[72] CAU, JOSE FRANCISCO, BR
[72] COUTINHO, JOSE MANOEL SOARES, BR
[72] DUARTE, IVAIR LUIZ, BR
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[72] HERNANDEZ, FRANCISCO J. V., BR
[72] RIMOLI, FRANCISCO ANTONIO, BR
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[54] **MIXER NOZZLE ASSEMBLY**
[54] **ENSEMBLE BUSE DE MIXAGE**
[72] STEFFLER, SHAWN P., CA
[72] SAVARD, DONALD D. (DECEASED), CA
[73] ALLERION OILFIELD SERVICES INC, CA
[86] (2748755)
[87] (2748755)
[22] 2011-08-12
[30] US (61/373,469) 2010-08-13

[11] **2,750,605**
[13] C

[51] **Int.Cl. A61L 27/12 (2006.01) A61L 27/24 (2006.01) A61L 27/42 (2006.01) A61L 27/46 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **LAYERED SCAFFOLD SUITABLE FOR OSTEOCHONDRAL REPAIR**
[54] **ECHAFAUDAGE STRATIFIE ADAPTE A LA REPARATION OSTEOCHONDRALE**
[72] GLEESON, JOHN P., IE
[72] LEVINGSTONE, TANYA J., IE
[72] O'BRIEN, FERGAL J., IE
[73] ROYAL COLLEGE OF SURGEONS IN IRELAND, IE
[85] 2011-07-21
[86] 2010-01-25 (PCT/IE2010/000005)
[87] (WO2010/084481)
[30] US (61/147,006) 2009-01-23
[30] EP (EP09151226.9) 2009-01-23

[11] **2,750,850**
[13] C

[51] **Int.Cl. F03G 7/08 (2006.01) E02B 9/08 (2006.01) F03B 13/16 (2006.01) F03B 13/20 (2006.01) F03G 3/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PRODUCING ENERGY THROUGH THE ACTION OF WAVES**
[54] **SYSTEME DE PRODUCTION D'ENERGIE PAR L'ACTION DES VAGUES**
[72] BEANE, GLENN, US
[73] GWAVE LLC, US
[85] 2011-07-12
[86] 2009-10-05 (PCT/US2009/059531)
[87] (WO2010/071706)
[30] US (12/316,772) 2008-12-15

[11] **2,755,743**
[13] C

[51] **Int.Cl. E02F 3/36 (2006.01)**
[25] EN
[54] **A SYSTEM FOR LIMITING CONTACT BETWEEN A DIPPER AND A SHOVEL BOOM**
[54] **SYSTEME SERVANT A LIMITER LE CONTACT ENTRE UN GODET ET UNE FLECHE DE PELLE**
[72] TAYLOR, WESLEY P., US
[73] JOY GLOBAL SURFACE MINING INC, US
[86] (2755743)
[87] (2755743)
[22] 2011-10-20
[30] US (12/908,638) 2010-10-20

[11] **2,756,463**
[13] C

[51] **Int.Cl. G01N 33/50 (2006.01) B81B 7/04 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **SLIP CHIP DEVICE AND METHODS**
[54] **DISPOSITIF ET PROCEDES DE PUCE COULISSANTE**
[72] ISMAGILOV, RUSTEM F., US
[72] DU, WENBIN, US
[72] LI, LIANG, US
[72] SHEN, FENG, US
[72] NICHOLS, KEVIN PAUL FLOOD, US
[72] CHEN, DELAI, US
[72] KREUTZ, JASON EUGENE, US
[73] UNIVERSITY OF CHICAGO, US
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[87] (WO2010/111265)
[30] US (61/162,922) 2009-03-24
[30] US (61/262,375) 2009-11-18
[30] US (61/340,872) 2010-03-22

[11] **2,756,914**
[13] C

[51] **Int.Cl. F02C 7/20 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **TURBOFAN MOUNTING ARRANGEMENT**
[54] **DISPOSITIF D'INSTALLATION DE TURBINE**
[72] HEYERMAN, JEFFREY BERNARD, CA
[72] OLVER, BRYAN, CA
[72] CAULFEILD, STEPHEN, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2756914)
[87] (2756914)
[22] 2011-11-04

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[13] C

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[25] EN
[54] **TREATMENT OF HUMAN OR ANIMAL BODY SURFACE INFECTION**
[54] **TRAITEMENT D'UNE INFECTION DE SURFACE DU CORPS HUMAIN OU ANIMAL**
[72] DAVIS, PAUL, GB
[72] AUSTIN, ANDREW, GB
[73] INSENSE LIMITED, GB
[85] 2011-10-12
[86] 2010-04-30 (PCT/GB2010/050721)
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[30] GB (0907553.2) 2009-05-01

[11] **2,758,549**
[13] C

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[25] EN
[54] **AIRCRAFT, PROPULSION SYSTEM, AND SYSTEM FOR TAXIING AN AIRCRAFT**
[54] **AERONEF, SYSTEME DE PROPULSION ET SYSTEME DE ROULAGE D'AERONEF**
[72] BURNS, DONALD, US
[72] RAJASHEKARA, KAUSHIK, US
[73] ROLLS-ROYCE CORPORATION, US
[86] (2758549)
[87] (2758549)
[22] 2011-11-16
[30] US (12/947,424) 2010-11-16

[11] **2,758,555**
[13] C

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[25] EN
[54] **GOOSENECK HITCH ASSEMBLY**
[54] **ATTACHE DE REMORQUAGE EN COL-DE-CYGNE**
[72] ERICKSON, NICK, US
[73] SCHULING HITCH CO., US
[86] (2758555)
[87] (2758555)
[22] 2011-11-17
[30] US (12/949,460) 2010-11-18

[11] **2,760,243**
[13] C

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[54] **CONTAINER AND LID**
[54] **RECIPIENT ET COUVERCLE**
[72] LUBURIC, FRANO, US
[73] ROPAK CORPORATION, US
[85] 2011-10-26
[86] 2010-07-30 (PCT/US2010/043924)
[87] (WO2011/017218)
[30] US (12/461,165) 2009-08-03

[11] **2,761,477**
[13] C

- [51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING MULTIPLE VALVES**
[54] **SYSTEME ET METHODE D'UTILISATION DE ROBINETS MULTIPLES**
[72] BRAEKKE, KRISTOFFER, NO
[72] LUNDE, GEIR, NO
[72] ANTONSEN, ROGER, NO
[73] I-TEC AS, NO
[86] (2761477)
[87] (2761477)
[22] 2011-12-12
[30] NO (20101748) 2010-12-13
[30] NO (20111679) 2011-12-09

[11] **2,762,183**
[13] C

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[25] EN
[54] **MILD FOAMING SKIN CLEANSERS COMPRISING POLYGLYCEROL ESTERS AND HYDROPHOBICALLY MODIFIED ACRYLIC POLYMERS**
[54] **NETTOYANTS POUR LA PEAU A MOUSSAGE DOUX RENFERMANT DES ESTERS DE POLYGLYCEROLS ET DES POLYMERES ACRYLIQUES MODIFIES DE MANIERE HYDROPHOBE**
[72] ANIM-DANSO, EMMANUEL, US
[72] GANDOLFI, LISA, US
[72] GUNN, EUEN THOMAS, US
[72] WALTERS, RUSSEL M., US
[72] FEVOLA, MICHAEL J., US
[73] JOHNSON & JOHNSON CONSUMER COMPANIES, INC., US
[86] (2762183)
[87] (2762183)
[22] 2011-12-14
[30] US (12/974,188) 2010-12-21

[11] **2,762,449**
[13] C

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[25] EN
[54] **GOOSENECK COUPLER**
[54] **ACCOUPLLEMENT EN COL DE CYGNE**
[72] DRAKE, FRANK, US
[72] MURPHY, MICHAEL, US
[73] CEQUENT PERFORMANCE PRODUCTS, INC., US
[86] (2762449)
[87] (2762449)
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[30] US (12/971,960) 2010-12-17

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[13] C

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[25] EN
[54] **ANTI-TRANSVERSE LASING DEVICE WITH LONGITUDINAL COOLING FOR EMITTING A LASER BEAM**
[54] **DISPOSITIF A EFFET LASER DIRECTIONNEL A REFROIDISSEMENT LONGITUDINAL CONCU POUR EMETTRE UN FAISCEAU LASER**
[72] BRANLY, STEPHANE, FR
[73] THALES, FR
[86] (2762478)
[87] (2762478)
[22] 2011-12-16
[30] FR (10 04945) 2010-12-17

[11] **2,764,083**
[13] C

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[25] EN
[54] **MASS FLOW METER**
[54] **DEBITMETRE MASSIQUE**
[72] SCHMID, FELIX, CH
[73] MEGGITT SA, CH
[86] (2764083)
[87] (2764083)
[22] 2012-01-13
[30] US (13/010,560) 2011-01-20

[11] **2,766,505**
[13] C

[51] **Int.Cl. C07K 14/705 (2006.01)**
[25] EN
[54] **T CELL RECEPTORS**
[54] **RECEPTEURS DES LYMPHOCYTES T**
[72] JAKOBSEN, BENT KARSTEN, GB
[72] HARWOOD, NAOMI, GB
[72] LIDDY, NATHANIEL ROSS, GB
[73] IMMUNOCORE LIMITED, GB
[85] 2011-12-22
[86] 2010-07-01 (PCT/GB2010/001277)
[87] (WO2011/001152)
[30] GB (0911566.8) 2009-07-03

[11] **2,768,009**
[13] C

[51] **Int.Cl. A61F 11/00 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **TYMPANIC MEMBRANE PRESSURE EQUALIZATION TUBE DELIVERY SYSTEM**
[54] **SYSTEME DE MISE EN PLACE D'UN TUBE D'EQUILIBRAGE DE PRESSION DE LA MEMBRANE DU TYMPAN**
[72] LIU, GREG, US
[72] GIOTRA, ROHIT, US
[72] MORRIS, JOHN H., US
[72] VRANY, JULIE D., US
[72] HA, HUNG V., US
[72] KNODEL, BRYAN, US
[72] WALKER, JEFFREY A., US
[72] GROSS, THOMAS DANIEL, US
[72] CLOPP, MATHEW D., US
[72] ANDREAS, BERNARD H., US
[73] TUSKER MEDICAL, INC., US
[85] 2012-01-12
[86] 2010-07-15 (PCT/US2010/042128)
[87] (WO2011/008948)
[30] US (61/225,893) 2009-07-15

[11] **2,769,853**
[13] C

[51] **Int.Cl. F21K 9/69 (2016.01) F21V 5/00 (2018.01) F21V 19/02 (2006.01)**
[25] EN
[54] **LED OPTICAL SYSTEM**
[54] **SYSTEME OPTIQUE A DIODES ELECTROLUMINESCENTES**
[72] CARRAHER, TIMOTHY J., US
[72] PETERS, LUCAS C., US
[73] U.S. POLE COMPANY, INC., US
[85] 2012-02-01
[86] 2010-08-13 (PCT/US2010/045504)
[87] (WO2011/020041)
[30] US (61/234,248) 2009-08-14
[30] US (12/851,319) 2010-08-05

[11] **2,770,239**
[13] C

[51] **Int.Cl. G06F 16/53 (2019.01) G06K 9/00 (2006.01)**
[25] EN
[54] **FACIAL RECOGNITION WITH SOCIAL NETWORK AIDING**
[54] **RECONNAISSANCE FACIALE AVEC ASSISTANCE DE RESEAU SOCIAL**
[72] PETROU, DAVID, US
[72] RABINOVICH, ANDREW, US
[72] ADAM, HARTWIG, US
[73] GOOGLE LLC, US
[85] 2012-02-03
[86] 2010-08-06 (PCT/US2010/044771)
[87] (WO2011/017653)
[30] US (61/232,397) 2009-08-07
[30] US (61/370,784) 2010-08-04
[30] US (12/851,473) 2010-08-05

[11] **2,770,366**
[13] C

[51] **Int.Cl. G01R 31/00 (2006.01) G01R 31/26 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD OF TESTING HIGH BRIGHTNESS LED (HBLED)**
[54] **SYSTEME ET PROCEDE POUR TESTER UNE DEL A HAUTE LUMINOSITE (HBLED)**
[72] MORROW, DANIEL CREIGHTON, US
[72] DUMMER, JONATHAN LEIGH, US
[73] SOF-TEK INTEGRATORS, INC., DBA OP-TEST, US
[85] 2012-02-07
[86] 2010-07-29 (PCT/US2010/043619)
[87] (WO2011/017182)
[30] US (61/230,968) 2009-08-03

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[11] **2,770,557**
[13] C

[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/70 (2006.01) C12N 15/75 (2006.01)**

[25] EN

[54] **VECTOR COMPRISING MANNOSE PROMOTER AND MANNOSE PROMOTER**

[54] **VECTEUR COMPRENANT UN PROMOTEUR ASSOCIE AU MANNOSE ET PROMOTEUR ASSOCIE AU MANNOSE**

[72] SUN, TIANQI, CN

[72] ALTENBUCHNER, JOSEF, DE

[72] KIZIAK, CHRISTOPH, CH

[73] LONZA AG, CH

[85] 2012-02-09

[86] 2010-08-02 (PCT/EP2010/061193)

[87] (WO2011/018376)

[30] EP (09010283.1) 2009-08-10

[11] **2,771,567**
[13] C

[51] **Int.Cl. A61C 5/62 (2017.01) A61C 19/06 (2006.01) B05C 17/01 (2006.01)**

[25] EN

[54] **SCREW SYRINGE AS WELL AS A SYRINGE BARREL AND FEMALE PART FOR A SCREW SYRINGE**

[54] **SERINGUE A VIS, CORPS DE SERINGUE, ET PARTIE FEMELLE POUR UNE SERINGUE A VIS**

[72] LEINER, UWE, DE

[72] PLAUMANN, MANFRED THOMAS, DE

[73] VOCO GMBH, DE

[86] (2771567)

[87] (2771567)

[22] 2012-03-21

[30] DE (10 2011 005 919.9) 2011-03-22

[11] **2,772,562**
[13] C

[51] **Int.Cl. G02F 1/365 (2006.01) G02F 1/377 (2006.01) H01S 3/10 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AGILE REMOTE GENERATION OF A BROADBAND TUNABLE SHORT-PULSE EMISSION**

[54] **SYSTEME ET PROCEDE DE GENERATION A DISTANCE AGILE EN FREQUENCE D'UNE EMISSION D'IMPULSIONS BREVES SYNTONISABLES A LARGE BANDE**

[72] PAYEUR, STEPHANE, CA

[72] LASSONDE, PHILIPPE, CA

[72] KIEFFER, JEAN-CLAUDE, CA

[72] THEBERGE, FRANCIS, CA

[72] CHATEAUNEUF, MARC, CA

[72] DUBOIS, JACQUES, CA

[73] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE (INRS), CA

[86] (2772562)

[87] (2772562)

[22] 2012-03-23

[30] US (61/466,580) 2011-03-23

[11] **2,773,717**
[13] C

[51] **Int.Cl. A47L 5/14 (2006.01)**

[25] EN

[54] **VACUUM DEVICE WITH POSITIVE PRESSURE TANK**

[54] **DISPOSITIF A VIDE AVEC RESERVOIR A PRESSION POSITIVE**

[72] CREVLING, ROBERT LENT, JR., US

[72] GOTTSCHALL, JASON, US

[72] BUSS, RANDY L., US

[73] SHOP VAC CORPORATION, US

[85] 2012-03-08

[86] 2010-10-11 (PCT/US2010/052130)

[87] (WO2011/056355)

[30] US (12/613,616) 2009-11-06

[11] **2,775,151**
[13] C

[51] **Int.Cl. C12N 15/62 (2006.01)**

[25] FR

[54] **NOVEL CHIMERIC POLYNUCLEOTIDES AND POLYPEPTIDES ENABLING THE SECRETION OF A POLYPEPTIDE OF INTEREST IN COMBINATION WITH EXOSOMES AND USES THEREOF**

[54] **NOUVEAUX POLYNUCLEOTIDES ET POLYPEPTIDES CHIMERIQUES PERMETTANT LA SECRETION D'UN POLYPEPTIDE D'INTERET EN ASSOCIATION AVEC DES EXOSOMES ET LEURS UTILISATIONS**

[72] MAMOUN, ROBERT ZAINE EL ABIDDINE, FR

[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[73] UNIVERSITE DE MONTPELLIER, FR

[85] 2012-03-22

[86] 2010-09-23 (PCT/FR2010/052006)

[87] (WO2011/036416)

[30] FR (09/04576) 2009-09-24

[11] **2,781,107**
[13] C

[51] **Int.Cl. A61B 17/04 (2006.01) A61L 17/04 (2006.01) D02G 3/36 (2006.01)**

[25] EN

[54] **BRAIDED SELF-RETAINING SUTURES AND METHODS**

[54] **SUTURES AUTORETENTIVES TRESSEES ET PROCEDES**

[72] AVELAR, RUI, CA

[72] D'AGOSTINO, WILLIAM L., US

[73] ETHICON, LLC, US

[85] 2012-05-16

[86] 2010-11-16 (PCT/US2010/056898)

[87] (WO2011/060446)

[30] US (61/261,660) 2009-11-16

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[13] C

[51] **Int.Cl. B32B 37/16 (2006.01) A61F 13/15 (2006.01) B26D 1/62 (2006.01) B32B 3/04 (2006.01) B32B 3/06 (2006.01) B32B 38/04 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR APPLICATION OF NESTED ZERO WASTE EAR TO TRAVELING WEB**

[54] **METHODES ET APPAREIL POUR L'APPLICATION D'UNE OREILLE IMBRIQUEE SANS DECHET A UNE TOILE EN MOUVEMENT**

[72] ANDREWS, ROBERT E., US
[72] FRITZ, JEFF W., US
[72] MCCABE, JOHN A., US
[72] HORNECK, NOEL, US
[72] NELSON, ANTHONY A., US
[72] VAN DYKE, DANIEL, US
[73] CURT G. JOA, INC., US
[86] (2781790)
[87] (2781790)
[22] 2012-06-22
[30] US (61/500,519) 2011-06-23

[11] **2,782,710**
[13] C

[51] **Int.Cl. A61N 1/05 (2006.01) A61B 5/04 (2006.01) A61B 5/0478 (2006.01) B81C 3/00 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01)**

[25] EN

[54] **MICROFABRICATED NEUROSTIMULATION DEVICE AND METHODS OF MAKING AND USING THE SAME**

[54] **DISPOSITIF DE NEUROSTIMULATION MICROFABRIQUE ET SES PROCEDES DE FABRICATION ET D'UTILISATION**

[72] MERCANZINI, ANDRE, CH
[72] RENAUD, PHILIPPE, CH
[73] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE, CH
[85] 2012-06-01
[86] 2010-12-01 (PCT/EP2010/068658)
[87] (WO2011/067297)
[30] US (61/265,725) 2009-12-01

[11] **2,783,775**
[13] C

[51] **Int.Cl. E06B 9/42 (2006.01)**

[25] EN

[54] **ROLLER BLIND END BRACKET PLATE**

[54] **PLAQUE DE SUPPORT D'EXTREMITE POUR TOILE**

[72] WILLS, NORMAN, CA
[72] NG, PHILIP, CA
[73] ZMC METAL COATING INC., CA
[86] (2783775)
[87] (2783775)
[22] 2012-07-25
[30] US (13/282,118) 2011-10-26

[11] **2,785,225**
[13] C

[51] **Int.Cl. C12N 9/02 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **PLANTS TOLERANT TO HPPD INHIBITOR HERBICIDES.**

[54] **PLANTES TOLERANTES AUX HERBICIDES INHIBITEURS DE HPPD.**

[72] POREE, FABIEN, DE
[72] LABER, BERND, DE
[72] KNITTEL-OTTLEBEN, NATHALIE, DE

[72] LANGE, GUDRUN, DE
[72] SCHULZ, ARNO, DE
[72] HAIN, RUEDIGER, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
[85] 2012-06-20
[86] 2010-12-22 (PCT/EP2010/070578)
[87] (WO2011/076892)
[30] EP (09015986.4) 2009-12-23
[30] US (61/290,581) 2009-12-29
[30] EP (10190659.2) 2010-11-10
[30] US (61/412,077) 2010-11-10

[11] **2,785,414**
[13] C

[51] **Int.Cl. C12N 15/00 (2006.01) A61K 39/395 (2006.01) C07K 1/22 (2006.01) C07K 16/46 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **POLYPEPTIDE MODIFICATION METHOD FOR PURIFYING POLYPEPTIDE MULTIMERS**

[54] **PROCEDE DE MODIFICATION DE POLYPEPTIDE POUR PURIFIER UN MULTIMERE DE POLYPEPTIDE**

[72] IGAWA, TOMOYUKI, JP
[72] SAMPEI, ZENJIRO, JP
[72] WAKABAYASHI, TETSUYA, JP
[72] ITO, ERIKO, JP
[73] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2012-06-22
[86] 2010-12-24 (PCT/JP2010/073361)
[87] (WO2011/078332)
[30] JP (2009-294391) 2009-12-25

[11] **2,785,451**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **MOLECULE FOR TREATING AN INFLAMMATORY DISORDER**

[54] **MOLECULE POUR TRAITER UN TROUBLE INFLAMMATOIRE**

[72] VAN OMMEN, GARRIT-JAN BOUDEWIJN, NL
[72] AARTSMA-RUS, ANNEMIEKE, NL
[72] VAN DEUTEKOM, JUDITH CHRISTINA THEODORA, NL
[72] DE KIMPE, JOSEPHUS JOHANNES, NL
[72] VERBEEK, JOSEPH STEPHAN, NL
[72] YILMAZ-ELIS, ALIYE SEDA, NL
[73] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[73] BIOMARIN TECHNOLOGIES B.V., NL
[85] 2012-06-22
[86] 2010-12-22 (PCT/NL2010/050882)
[87] (WO2011/078672)
[30] EP (09180760.2) 2009-12-24
[30] US (61/290,102) 2009-12-24

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[11] **2,785,475**
[13] C

[51] **Int.Cl. C08G 77/388 (2006.01) C11D 3/37 (2006.01) C11D 7/22 (2006.01) D06M 15/643 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING POLYSILOXANES WITH NITROGEN-CONTAINING GROUPS**

[54] **PROCEDE DE PRODUCTION DE POLYSILOXANES AYANT DES GROUPES AZOTES**

[72] HENNING, FRAUKE, DE
[72] LOHSE, ANDREA, DE
[72] MAHRING, ULRIKE, DE
[72] KUPPERT, DIRK, DE
[73] EVONIK DEGUSSA GMBH, DE
[86] (2785475)
[87] (2785475)
[22] 2012-08-09
[30] DE (102011110100.8) 2011-08-12

[11] **2,786,374**
[13] C

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

[25] EN

[54] **METHODS FOR USE OF A SPECIFIC ANTI-ANGIOGENIC ADENOVIRAL AGENT**

[54] **PROCEDES POUR L'UTILISATION D'UN AGENT ADENOVIRAL ANTIANGIOGENESE SPECIFIQUE**

[72] COHEN, YAEL, IL
[72] SHER, NAAMIT, IL
[72] FEIGE, EREZ, IL
[72] BANGIO, LIVNAT, IL
[72] BREITBART, EYAL, IL
[73] VASCULAR BIOGENICS LTD., IL
[85] 2012-07-04
[86] 2011-01-05 (PCT/IL2011/000007)
[87] (WO2011/083464)
[30] US (61/282,228) 2010-01-05
[30] US (61/282,247) 2010-01-07

[11] **2,786,836**
[13] C

[51] **Int.Cl. B64C 21/00 (2006.01) B29C 70/14 (2006.01) B64C 11/16 (2006.01) B64C 21/10 (2006.01) B64C 27/46 (2006.01) B82B 1/00 (2006.01)**

[25] EN

[54] **AN AERODYNAMIC SURFACE WITH IMPROVED PROPERTIES**

[54] **SURFACE AERODYNAMIQUE AVEC PROPRIETES AMELIOREES**

[72] NORDIN, PONTUS, SE
[72] STRINDBERG, GOETE, SE
[73] SAAB AB, SE
[85] 2012-07-09
[86] 2010-01-14 (PCT/SE2010/050027)
[87] (WO2011/087411)

[11] **2,787,076**
[13] C

[51] **Int.Cl. H01H 33/24 (2006.01) H01H 33/53 (2006.01)**

[25] EN

[54] **AN ARC CHAMBER FOR A CIRCUIT BREAKER**

[54] **UNE CHAMBRE A ARC DESTINEE A UN DISJONCTEUR**

[72] KAULFUSS, GUENTER, DE
[72] LEHMANN, VOLKER, DE
[72] MASCHER, KARL, DE
[72] MILEWSKI, PETER, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2012-07-13
[86] 2011-01-06 (PCT/EP2011/050127)
[87] (WO2011/086028)
[30] DE (10 2010 005 090.3) 2010-01-15

[11] **2,787,154**
[13] C

[51] **Int.Cl. A61K 36/258 (2006.01) A61K 35/616 (2015.01) A23L 17/00 (2016.01) A23L 33/00 (2016.01) A61K 31/715 (2006.01) A61P 3/10 (2006.01) A61P 7/02 (2006.01) A61P 9/10 (2006.01)**

[25] EN

[54] **A COMPOUND SEA CUCUMBER PREPARATION AND MANUFACTURING METHOD THEREOF**

[54] **PREPARATION DE COMPOSE DE CONCOMBRE DE MER ET PROCEDE DE PREPARATION DE CELLE-CI**

[72] JIAO, JIAN, CN
[72] SHAO, JUNJIE, CN
[73] DALIAN HAIYANTANG BIOLOGY CO., LTD., CN
[85] 2012-07-13
[86] 2011-03-03 (PCT/CN2011/071475)
[87] (WO2012/079310)
[30] CN (201010586833.2) 2010-12-14

[11] **2,789,706**
[13] C

[51] **Int.Cl. D01D 5/00 (2006.01) B82Y 40/00 (2011.01) D01D 4/00 (2006.01)**

[25] EN

[54] **ELECTROSPINNING APPARATUS AND NANOFIBERS PRODUCED THEREFROM**

[54] **APPAREIL D'ELECTROFILAGE ET NANOFIBRES PRODUITES AVEC CELUI-CI**

[72] JOO, YONG LAK, US
[72] CHO, DAEHWAN, US
[72] ZHMAYEV, EDUARD, US
[73] CORNELL UNIVERSITY, US
[85] 2012-08-13
[86] 2011-02-15 (PCT/US2011/024894)
[87] (WO2011/100743)
[30] US (61/304,666) 2010-02-15
[30] US (61/305,730) 2010-02-18

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[11] **2,790,143**
[13] C

[51] **Int.Cl. A61K 49/00 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01)**

[25] EN

[54] **SOLID COMPOSITION FOR THE ORAL ADMINISTRATION OF DYES AND DIAGNOSTIC USE THEREOF**

[54] **COMPOSITION SOLIDE POUR ADMINISTRATION ORALE DE COLORANTS ET SES APPLICATIONS EN DIAGNOSTIC**

[72] MORO, LUIGI, IT

[72] AJANI, MAURO SEVERINO, IT

[72] VILLA, ROBERTO, IT

[72] CELASCO, GIUSEPPE, IT

[72] REPICI, ALESSANDRO, IT

[73] COSMO TECHNOLOGIES LTD., IE

[85] 2012-08-16

[86] 2011-03-02 (PCT/IB2011/050881)

[87] (WO2011/107945)

[30] IT (MI2010A000345) 2010-03-04

[30] US (61/327,557) 2010-04-23

[11] **2,790,319**
[13] C

[51] **Int.Cl. G01B 3/10 (2006.01) B25H 7/04 (2006.01)**

[25] EN

[54] **TAPE RULE BLADE WITH VARIABLE THICKNESS COATING**

[54] **LAME DE RUBAN A MESURER DOTEE D'UN REVETEMENT D'EPAISSEUR VARIABLE**

[72] MURRAY, JOHN C., US

[72] DELNEO, JOHN, US

[73] STANLEY BLACK & DECKER, INC., US

[86] (2790319)

[87] (2790319)

[22] 2012-09-07

[30] US (13/238,792) 2011-09-21

[11] **2,792,149**
[13] C

[51] **Int.Cl. A61F 2/44 (2006.01) A61B 17/66 (2006.01) A61B 17/70 (2006.01) A61F 2/46 (2006.01)**

[25] EN

[54] **INTERSPINOUS PROCESS SPACING DEVICE AND IMPLANTATION TOOLS**

[54] **DISPOSITIF D'ESPACEMENT D'APOPHYSES EPINEUSES ET OUTILS DE POSE**

[72] SMISSON, HUGH F. III, US

[72] FIELD, DAVID C., US

[72] BOHLEBER, BRANDI L., US

[72] YILMA, HIYWOT, US

[72] COWAN, MICHAEL A., US

[73] SOUTHERN SPINE, LLC, US

[85] 2012-09-05

[86] 2011-03-14 (PCT/US2011/028365)

[87] (WO2011/113049)

[30] US (61/313,169) 2010-03-12

[11] **2,792,741**
[13] C

[51] **Int.Cl. H04R 1/40 (2006.01) B81B 3/00 (2006.01) H04R 19/00 (2006.01) H04R 31/00 (2006.01)**

[25] EN

[54] **ELECTROSTATIC PARALLEL PLATE ACTUATORS WHOSE MOVING ELEMENTS ARE DRIVEN ONLY BY ELECTROSTATIC FORCE AND METHODS USEFUL IN CONJUNCTION THEREWITH**

[54] **ACTIONNEURS A PLAQUES PARALLELES ELECTROSTATIQUES DONT LES ELEMENTS MOBILES SONT ACTIONNES UNIQUEMENT PAR FORCE ELECTROSTATIQUE ET PROCEDES S'Y RAPPORTANT**

[72] COHEN, YUVAL, IL

[72] KAPLAN, SHAY, IL

[72] LEWIN, DANIEL, IL

[72] BEN SIMON, MEIR, IL

[72] HABER, ERIC ANDREAS, IL

[73] AUDIO PIXELS LTD., IL

[85] 2012-09-11

[86] 2011-03-10 (PCT/IL2011/000226)

[87] (WO2011/111042)

[30] US (61/312,797) 2010-03-11

[11] **2,795,145**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **TREATMENT OF COLONY-STIMULATING FACTOR 3 (CSF3) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO CSF3**

[54] **TRAITEMENT DE MALADIES LIEES AU FACTEUR DE STIMULATION DES COLONIES 3 (CSF3) PAR INHIBITION DU PRODUIT DE LA TRANSCRIPTION ANTISENS NATUREL EN CSF3**

[72] COLLARD, JOSEPH, US

[72] KHORKOVA SHERMAN, OLGA, US

[73] CURNA, INC., US

[85] 2012-10-01

[86] 2011-04-01 (PCT/US2011/030873)

[87] (WO2011/123745)

[30] US (61/320,414) 2010-04-02

[11] **2,795,320**
[13] C

[51] **Int.Cl. A61K 31/56 (2006.01) A61P 3/04 (2006.01)**

[25] EN

[54] **METHOD OF TREATING OBESITY USING ANTIOXIDANT INFLAMMATION MODULATORS**

[54] **PROCEDES DE TRAITEMENT DE L'OBESITE UTILISANT DES MODULATEURS D'INFLAMMATION ANTIOXYDANTS**

[72] MEYER, COLIN J., US

[72] HUFF, WARREN, US

[73] REATA PHARMACEUTICALS, INC., US

[85] 2012-10-02

[86] 2011-04-12 (PCT/US2011/032156)

[87] (WO2011/130302)

[30] US (61/323,276) 2010-04-12

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[11] **2,797,000**
[13] C

[51] **Int.Cl. C08F 4/643 (2006.01) C08F 10/00 (2006.01)**

[25] EN

[54] **STEREISOOMIC DIOL DIESTERS FOR USE IN POLYMERIZATION CATALYSTS**

[54] **DIESTERS DIOLS STEREISOOMERES DESTINES AUX CATALYSEURS DE POLYMERISATION**

[72] GAO, MINGZHI, CN
[72] LI, CHANGXIU, CN
[72] LIU, HAITAO, CN
[72] ZHANG, XIAOFAN, CN
[72] CHEN, JIANHUA, CN
[72] MA, JING, CN
[72] CAI, XIAOXIA, CN
[72] LI, XIANZHONG, CN
[72] MA, JIXING, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[73] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[85] 2012-10-19
[86] 2011-04-22 (PCT/CN2011/000709)
[87] (WO2011/131033)
[30] CN (201010152784.1) 2010-04-22

[11] **2,799,283**
[13] C

[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/50 (2006.01) B01D 53/52 (2006.01) B01D 53/64 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR OPTIMIZED ACID GAS AND TOXIC METAL CONTROL IN GASIFIER PRODUCED GASES**

[54] **APPAREIL ET PROCEDE POUR LE CONTROLE OPTIMISE DES GAZ ACIDES ET DES METAUX TOXIQUES DANS DES GAZ PRODUITS PAR UN GAZOGENE**

[72] REARDON, JOHN P., US
[72] PASKACH, THOMAS J., US
[72] EVANS, PAUL, US
[73] FRONTLINE BIOENERGY, LLC., US

[85] 2012-11-13
[86] 2011-06-17 (PCT/US2011/001094)
[87] (WO2011/142837)
[30] US (61/395,682) 2010-05-14
[30] US (13/107,726) 2011-05-13

[11] **2,799,517**
[13] C

[51] **Int.Cl. C07D 487/14 (2006.01) A61K 31/506 (2006.01)**

[25] EN

[54] **METHOD FOR PURIFYING A FUSED PYRROLOCARBAZOLE DERIVATIVE**

[54] **PROCEDE POUR PURIFIER UN DERIVE DE PYRROLOCARBAZOLE CONDENSE**

[72] ALLWEIN, SHAWN P., US
[72] GRANDEURY, ARNAUD, FR
[72] PIACENZA, GUY, FR
[72] ROSE, SEBASTIEN, FR

[73] CEPHALON, INC., US
[73] TEVA SANTE, FR

[85] 2012-11-14
[86] 2011-05-17 (PCT/US2011/036814)
[87] (WO2011/146488)
[30] US (61/345,831) 2010-05-18

[11] **2,799,637**
[13] C

[51] **Int.Cl. G06F 16/28 (2019.01)**

[25] EN

[54] **HYBRID OLTP AND OLAP HIGH PERFORMANCE DATABASE SYSTEM**

[54] **SYSTEME HYBRIDE DE BASE DE DONNEES OLTP ET OLAP A HAUTES PERFORMANCES**

[72] KEMPER, ALFONS, DE
[72] NEUMANN, THOMAS, DE
[73] TECHNISCHE UNIVERSITAET MUENCHEN, DE

[85] 2012-11-16
[86] 2011-04-04 (PCT/EP2011/055221)
[87] (WO2011/144382)
[30] GB (1008184.2) 2010-05-17

[11] **2,800,203**
[13] C

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **MORPHOLINO PYRIMIDINES AND THEIR USE IN THERAPY**

[54] **MORPHOLINOPYRIMIDINES ET LEUR UTILISATION EN THERAPIE**

[72] FOOTE, KEVIN MICHAEL, GB
[72] NISSINK, JOHANNES WILHELMUS MARIA, GB
[72] TURNER, PAUL, GB
[73] ASTRAZENECA AB, SE

[85] 2012-11-21
[86] 2011-06-09 (PCT/GB2011/051074)
[87] (WO2011/154737)
[30] US (61/353,713) 2010-06-11

[11] **2,800,534**
[13] C

[51] **Int.Cl. A01K 67/027 (2006.01) C12N 15/873 (2010.01) C12N 9/02 (2006.01)**

[25] EN

[54] **PRODUCTION OF FERTILE XY FEMALE ANIMALS FROM XY ES CELLS**

[54] **PRODUCTION D'ANIMAUX FEMELLES XY FERTILES A PARTIR DE CELLULES ES XY**

[72] AUERBACH, WIJTEK, US
[72] DECHIARA, THOMAS, US
[72] POUEYMIROU, WILLIAM, US
[72] FRENDEWAY, DAVID, US
[72] VALENZUELA, DAVID, US
[73] REGENERON PHARMACEUTICALS, INC., US

[85] 2012-11-22
[86] 2011-06-10 (PCT/US2011/039997)
[87] (WO2011/156723)
[30] US (61/353,896) 2010-06-11
[30] US (13/157,728) 2011-06-10

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[11] **2,800,647**
[13] C

[51] **Int.Cl. D21H 19/52 (2006.01) C08L 97/02 (2006.01) D21C 9/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PRODUCTION OF A COMPOSITION OF MICROFIBRILLATED CELLULOSE AND PIGMENT**
[54] **UN PROCEDE DE PRODUCTION D'UNE COMPOSITION DE CELLULOSE MICROFIBRILLAIRE ET DE PIGMENT**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[73] STORA ENSO OYJ, FI
[85] 2012-10-30
[86] 2011-05-11 (PCT/IB2011/052064)
[87] (WO2011/141877)
[30] SE (1050472-8) 2010-05-12

[11] **2,801,292**
[13] C

[51] **Int.Cl. A61K 47/40 (2006.01) A61K 31/202 (2006.01)**
[25] EN
[54] **ORAL FORMULATIONS OF BIPOLAR TRANS CAROTENOIDS**
[54] **FORMES PHARMACEUTIQUES ORALES A BASE DE CAROTENOIDES TRANS BIPOLAIRES**
[72] GAINER, JOHN L., US
[72] MURRAY, ROBERT, US
[73] DIFFUSION PHARMACEUTICALS LLC, US
[85] 2012-11-30
[86] 2011-06-02 (PCT/US2011/000997)
[87] (WO2011/152869)
[30] US (61/350,804) 2010-06-02

[11] **2,801,302**
[13] C

[51] **Int.Cl. H04L 12/24 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRIORITIZING NETWORK ASSETS**
[54] **PROCEDE ET SYSTEME PERMETTANT DE HIERARCHISER DES ACTIFS DE RESEAU**
[72] DRAUGELIS, MICHAEL, US
[73] LOCKHEED MARTIN CORPORATION, US
[85] 2012-11-30
[86] 2011-03-09 (PCT/US2011/027646)
[87] (WO2011/152908)
[30] US (12/792,289) 2010-06-02

[11] **2,801,528**
[13] C

[51] **Int.Cl. E02F 9/28 (2006.01) B66C 3/02 (2006.01) F16B 19/02 (2006.01) F16B 21/02 (2006.01)**
[25] EN
[54] **WEAR ASSEMBLY FOR MACHINERY**
[54] **ENSEMBLE D'USURE POUR MACHINERIE**
[72] BARTOLOME RODRIGUEZ, JAVIER, ES
[73] BARTOLOME RODRIGUEZ, JAVIER, ES
[86] (2801528)
[87] (2801528)
[22] 2013-01-08
[30] EP (12152335.1) 2012-01-24

[11] **2,801,656**
[13] C

[51] **Int.Cl. H01P 5/103 (2006.01)**
[25] EN
[54] **FOLDED MONOPOLE VARIABLE SIGNAL COUPLER**
[54] **COUPLEUR DE SIGNAUX VARIABLES UNIPOLAIRE REPLIE**
[72] BECKER, CHARLES D., US
[73] WIRELESS EXPRESSWAYS INC., US
[85] 2012-12-04
[86] 2011-06-08 (PCT/US2011/039576)
[87] (WO2011/156456)
[30] US (61/352,703) 2010-06-08

[11] **2,801,913**
[13] C

[51] **Int.Cl. C12N 15/867 (2006.01)**
[25] EN
[54] **TAILORED RECOMBINASE FOR RECOMBINING ASYMMETRIC TARGET SITES IN A PLURALITY OF RETROVIRUS STRAINS**
[54] **RECOMBINASE MISE AU POINT SUR MESURE POUR RECOMBINER DES SITES ASYMETRIQUES VOULUS DANS UNE PLURALITE DE SOUCHES DE RETROVIRUS**
[72] HAUBER, JOACHIM, DE
[72] CHEMNITZ, JAN, DE
[72] BUCHHOLZ, FRANK, DE
[72] CHUSAINOW, JANET, DE
[73] HEINRICH-PETTE-INSTITUT, LEIBNIZ-INSTITUT FUER EXPERIMENTELLE VIROLOGIE - stiftung buergerlichen rechts, DE
[73] MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V., DE
[85] 2012-11-26
[86] 2011-05-27 (PCT/EP2011/002646)
[87] (WO2011/147590)
[30] EP (10005499.8) 2010-05-27

[11] **2,804,465**
[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) H04L 12/22 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR INCREASING THE SECURITY OF ELECTRONIC MESSAGES**
[54] **PROCEDES ET METHODES POUR AUGMENTER LA SECURITE DES MESSAGES ELECTRONIQUES**
[72] JOHNSTON, NEIL STEPHEN DENIS, US
[72] WHITE, CONOR ROBERT, US
[72] CRAMER, JASON SCOTT, US
[72] MORT, CHRISTOPHER JAMES, US
[72] HOLLAND, CHRISTOPHER ERIC, US
[73] DAON HOLDINGS LIMITED, KY
[86] (2804465)
[87] (2804465)
[22] 2013-01-29
[30] US (13/363,060) 2012-01-31

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[11] **2,804,591**
[13] C

[51] **Int.Cl. A61K 9/107 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **CATIONIC OIL-IN-WATER EMULSIONS**
[54] **EMULSIONS CATIONIQUES**
HUILE-DANS-EAU
[72] BRITO, LUIS, US
[72] GEALL, ANDREW, US
[72] O'HAGAN, DEREK, US
[72] SINGH, MANMOHAN, US
[73] NOVARTIS AG, CH
[85] 2013-01-07
[86] 2011-07-06 (PCT/US2011/043108)
[87] (WO2012/006380)
[30] US (61/361,892) 2010-07-06

[11] **2,804,648**
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 231/38 (2006.01)**
[25] EN
[54] **PROTEIN KINASE INHIBITORS AND METHODS OF TREATMENT**
[54] **INHIBITEUR DE PROTEINE KINASES ET METHODES DE TRAITEMENT**
[72] LESSENE, GUILLAUME LAURENT, AU
[72] BAELL, JONATHAN BAYLDON, AU
[72] BURGESS, ANTONY WILKS, AU
[72] MARUTA, HIROSHI, AU
[73] THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, AU
[85] 2013-01-08
[86] 2011-07-08 (PCT/AU2011/000858)
[87] (WO2012/003544)
[30] US (61/362,739) 2010-07-09

[11] **2,805,085**
[13] C

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01) A61B 17/30 (2006.01)**
[25] FR
[54] **DEVICE FOR CONTROLLING A BLOOD FLOW PRODUCED IN A HEMORRHAGIC AREA**
[54] **DISPOSITIF POUR LE CONTROLE D'UN ECOULEMENT SANGUIN SE PRODUISANT DANS UNE ZONE HEMORRAGIQUE**
[72] BLIN, DOMINIQUE, FR
[73] UNIVERSITE JOSEPH FOURIER, FR
[73] CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE, FR
[85] 2013-01-10
[86] 2011-07-13 (PCT/FR2011/051689)
[87] (WO2012/007698)
[30] FR (10/55736) 2010-07-13

[11] **2,805,570**
[13] C

[51] **Int.Cl. C07C 4/08 (2006.01) C08J 11/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING WAXES AND GREASE BASE STOCKS THROUGH CATALYTIC DEPOLYMERISATION OF WASTE PLASTICS**
[54] **PROCEDE ET PRODUCTION DE CIRES ET D'HUILES DE BASE POUR GRAISSES PAR DEPOLYMERISATION CATALYTIQUE DE DECHETS DE MATIERES PLASTIQUES**
[72] KUMAR, ANIL, IN
[72] KUMAR, PUSHKAR, CA
[73] GREENMANTRA RECYCLING TECHNOLOGIES LTD., CA
[85] 2013-01-15
[86] 2011-07-14 (PCT/IB2011/001642)
[87] (WO2012/007833)
[30] US (12/836,594) 2010-07-15
[30] EP (10172039.9) 2010-08-05

[11] **2,806,067**
[13] C

[51] **Int.Cl. G01N 30/88 (2006.01) G01N 33/24 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **AUTOMATED ANALYSIS OF PRESSURIZED RESERVOIR FLUIDS**
[54] **ANALYSE AUTOMATISEE DE FLUIDES DE RESERVOIR PRESSURISE**
[72] KRIEL, WAYNE A., US
[72] CAI, SHUZONG, US
[72] AZCARATE, FRANCISCO J., US
[73] SGS NORTH AMERICA INC., US
[85] 2013-01-18
[86] 2011-07-18 (PCT/US2011/044396)
[87] (WO2012/012346)
[30] US (61/365,482) 2010-07-19

[11] **2,806,147**
[13] C

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[72] BARHOOM, SIMA, IL
[72] SMILANSKY, ZEEV, IL
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[54] **MATERIAU ET PROCEDE DE DEPOSITION ELECTROCHIMIQUE D'ALLIAGES EN LAITON NANOSTRATIFIES**
[72] CALDWELL, RICHARD, US
[72] UNGER, JESSE, US
[73] MODUMETAL, INC., US
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[54] **STOCKAGE DE FIBRE OPTIQUE LASER**
[72] SEFTEL, ALLEN, D., US
[72] FLOURY, CHRISTOPHER, US
[72] LITKE, RONALD, GEORGE, US
[72] MORTON, ROBERT, US
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[54] **ANALOGUES CARBANUCLEOSIDIQUES 2'-FLUORO-SUBSTITUES POUR TRAITEMENT ANTIVIRAL**
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[54] **DERIVES D'AMINE EN TANT QU'AGENTS DE LUTTE CONTRE LES NUISIBLES**
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[72] MITOMI, MASAOKI, JP
[72] KITSUDA, SHIGEKI, JP
[72] HORIKOSHI, RYO, JP
[72] NOMURA, MASAHIRO, JP
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[54] **LENTILLES REMPLIES DE LIQUIDE ET APPLICATIONS OPHTALMIQUES ASSOCIEES**
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[72] EGAN, WILLIAM, US
[72] NIBAUER, LISA, US
[72] STANGOTA, FRANK, US
[72] DECKER, BRUCE, US
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[72] SCHNELL, URBAN, CH
[72] HAROUD, KARIM, CH
[72] JAEGER, HANS, CH
[72] PETERSON, MATTHEW WALLACE, US
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[72] SCHROTT, ADAM P., US
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[54] **NOUVEAU PROCEDE D'ENSEMENCEMENT POUR LE DEPOT DE COUCHES MINCES DE MEMBRANES SELECTIVES**

[72] CORREIA, LUCRETIA AGNES, NL

[72] OVERBEEK, JOHANNIS PIETER, NL

[72] VAN DELFT, YVONNE CHRISTINE, NL

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[54] **ECHANGEUR DE CHALEUR HYBRIDE ET SON PROCEDE DE FONCTIONNEMENT**

[72] BUGLER, THOMAS W. III, US

[72] VADDER, DAVEY J., US

[73] EVAPCO, INC., US

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[54] **PROCEDE DE QUANTIFICATION DE LA QUANTITE DE CHOLESTEROL DANS UNE LIPOPROTEINE HAUTE DENSITE 3**

[72] HIGUCHI, MAIKO, JP

[72] ITOH, YASUKI, JP

[73] DENKA SEIKEN CO., LTD., JP

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[54] **PROCEDE DE PRODUCTION DE PRODUITS CHIMIQUES PAR FERMENTATION CONTINUE**

[72] KOBAYASHI, ATSUSHI, JP

[72] CHEON, JIHOON, JP

[72] TAKEUCHI, NORIHIRO, JP

[72] NISHIDA, MAKOTO, JP

[72] TANAKA, YUJI, JP

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[54] **SYNERGISTIC COMBINATIONS OF TRIAZOLES, STROBILURINS AND BENZIMIDAZOLES, USES, FORMULATIONS, PRODUCTION PROCESSES AND APPLICATIONS USING THE SAME.**

[54] **COMBINAISONS SYNERGETIQUES DE TRIAZOLES, STROBILURINES ET BENZIMIDAZOLES, UTILISATIONS, FORMULES, PROCEDES DE PRODUCTION ET APPLICATIONS EMPLOYANT LESDITES COMBINAISONS**

[72] BORGES, LUIS DONIZETE, BR

[72] ANDERLIN GARCIA, LEANDRO, BR

[72] FABRI, CARLOS EDUARDO, BR

[72] MOREIRA LIMA, ANTONIO, BR

[72] DE GODOY, ROBERTA DE FATIMA, BR

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[54] **METHODE D'OPTIMISATION DE MOTEUR DESTINE A UN MOTEUR INSTALLE SUR UN VEHICULE ELECTRIQUE**

[72] FUJINAGA, TAKASHI, JP

[72] MITSUYAMA, YASUSHI, JP

[72] HASHIMOTO, HIDEKI, JP

[72] OKADA, SHINJI, JP

[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP

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[54] **METHODE DE FORMATION D'UN
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[72] NYE, RICHARD F., US
[73] UNIVERSITY OF MAINE SYSTEM
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[54] **PEPTIDES ND2 ET PROCEDES DE
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[72] TYMIANSKI, MICHAEL, CA
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[72] GARMAN, JONATHAN DAVID, CA
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[72] CHOW, JANET, US
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[72] KOTIAN, PRAVIN L., US
[72] BABU, YARLAGADDA S., US
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ACIDIC GASES**
[54] **UTILISATION DU 2-(3-
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COMME ABSORBANT POUR
ELIMINER LES GAZ ACIDES**
[72] KLEIN, HOWARD P., US
[72] GRIGSBY, ROBERT A., JR., US
[72] ZHOU, JINGJUN, US
[72] HOLUB, PATRICK, US
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[54] **TRAITEMENT MICROFLUIDIQUE
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[73] YALE UNIVERSITY, US
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[73] EQUALAIRE SYSTEMS, INC., US
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[54] **APPAREIL DE FORMATION DE DALLE DE BETON**
[72] DRYBURGH, RICHARD J., CA
[72] MAUGHAN, MICHEAL H., CA
[72] BRADLEY, GRAEME A., CA
[73] DRYBURGH, RICHARD J., CA
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[73] BRADLEY, GRAEME A., CA
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[54] **AQUEOUS COMPOSITION FOR PRETREATING A METALLIC SURFACE BEFORE FURTHER COATING OR FOR TREATING SAID SURFACE**
[54] **COMPOSITION AQUEUSE DESTINEE AU PRETRAITEMENT D'UNE SURFACE METALLIQUE AVANT L'APPLICATION D'UN REVETEMENT SUPPLEMENTAIRE OU LE TRAITEMENT DE LADITE SURFACE**
[72] BUKEIKHANOVA, SAULE, DE
[72] KOMANDER, MATHIAS, DE
[73] CHEMETALL GMBH, DE
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[54] **TAU IMAGING PROBE**
[54] **SONDE D'IMAGERIE DE TAU**
[72] KUDO, YUKITSUKA, JP
[72] FURUMOTO, SHOZO, JP
[72] OKAMURA, NOBUYUKI, JP
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[30] JP (2010-243532) 2010-10-29
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[54] **PROCEDES POUR LE STOCKAGE ET LE TRANSPORT DE GAZ NATUREL DANS DES SOLVANTS LIQUIDES**
[72] HALL, BRUCE, US
[72] MORRIS, IAN, CA
[72] OKIKIOLU, TOLULOPE O., US
[73] SEAONE HOLDINGS, LLC, US
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[54] **DEGAGEMENT DE SPECTROMETRE DE MOBILITEE IONIQUE**
[72] BIAN, QUNZHOU, CA
[72] CARROLL, JOHN J., US
[73] SMITHS DETECTION MONTREAL INC., CA
[85] 2013-04-26
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[30] US (61/407,342) 2010-10-27
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[13] C

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[54] **TROUSSE DE CONVERSION POUR BACHE A ENROULEMENT ET PROCEDES D'UTILISATION**
[72] SCHMEICHEL, CHARLES M., US
[73] AGRI-COVER, INC., US
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[25] EN

[54] **SKIN WOUND HEALING COMPOSITIONS AND METHODS OF USE THEREOF**

[54] **COMPOSITIONS DE CICATRISATION DE PLAIES CUTANÉES ET LEURS PROCÉDES D'UTILISATION**

[72] CHENG, CHIEH-FANG, US

[72] WOODLEY, DAVID T., US

[72] CHEN, MEI, US

[72] LI, WEI, US

[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US

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[54] **SYSTEMS AND METHODS FOR A REED VALVE MODULE AND VALVE ASSEMBLY**

[54] **SYSTEMES ET PROCÉDES POUR MODULE DE SOUPEPE FLEXIBLE ET ENSEMBLE SOUPEPE**

[72] MOHAMED, ZAHROOF, US

[73] ZAHROOF VALVES, INC., US

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[54] **PORTABLE FASTENER DRIVING APPARATUS**

[54] **APPAREIL DE COMMANDE DE DISPOSITIF DE FIXATION PORTATIF**

[72] PEDICINI, CHRISTOPHER, US

[72] WITZIGREUTER, JOHN, US

[73] TRICORD SOLUTIONS, INC., US

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[13] C

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[72] VAN GRONINGEN, DAVID, NL

[72] VAN VELTHOVEN, AD, NL

[73] CURAN MEDICAL BV, NL

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[30] EP (11164222.9) 2011-04-29

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[54] **APPARATUS FOR APPLYING GATING AGENTS TO A SUBSTRATE AND IMAGE GENERATION KIT**

[54] **APPAREIL POUR APPLIQUER DES AGENTS DE DECLenchement A UN SUBSTRAT ET ENSEMBLE DE GENERATION D'IMAGE**

[72] DE JOSEPH, ANTHONY B., US

[72] CYMAN, THEODORE F., JR., US

[72] HOOK, KEVIN J., US

[72] HAAN, HENDERIKUS A., US

[72] WARMUS, JAMES L., US

[73] R.R. DONNELLEY & SONS COMPANY, US

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[54] **BINDING AGENT**

[54] **AGENT DE LIAISON**

[72] GALLUSSER, ANDREAS, DE

[72] HEINDL, DIETER, DE

[72] SCHRAEML, MICHAEL, DE

[72] SEIDEL, CHRISTOPH, DE

[72] VON DER ELTZ, HERBERT, DE

[73] F. HOFFMANN-LA ROCHE AG, US

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[54] **SYSTEM AND METHOD FOR COMPUTATIONS UTILIZING OPTIMIZED EARTH MODEL REPRESENTATIONS**
[54] **SYSTEME ET PROCEDE POUR DES CALCULS A L'AIDE DE REPRESENTATIONS OPTIMISEES DU MODELE TERRESTRE**
[72] ERGAS, RAYMOND, US
[72] PELL, OLIVIER, US
[72] NEMETH, TAMAS, US
[73] CHEVRON U.S.A. INC., US
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[54] **ADHESION MATRICE-FIBRE COMMANDEE POUR COMPOSITES A FIBRES POLYMERES**
[72] WILENSKI, MARK S., US
[72] KOZAR, MICHAEL P., US
[73] THE BOEING COMPANY, US
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[54] **METHOD FOR JOINT PRODUCTION OF LOW OCTANE NUMBER GASOLINE AND HIGH OCTANE NUMBER GASOLINE**
[54] **PROCEDE POUR LA PRODUCTION CONJOINTE D'ESSENCE A FAIBLE INDICE D'OCTANE ET D'ESSENCE A INDICE D'OCTANE ELEVE**
[72] ZHOU, XIANGJIN, CN
[73] ZHOU, XIANGJIN, CN
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[54] **COPOLYMERE DE REVETEMENT DE COPOLYMERE FLUORE**
[72] SHENOY, SIDDHARTHA, US
[72] POLLINO, JOEL M., US
[72] RAGHAVANPILLAI, ANILKUMAR, US
[72] ROSEN, BRAD M., US
[72] CROMPTON, JOHN RUSSELL, JR., US
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US
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[25] EN
[54] **PROCESS FOR PRODUCING FLUORINATED COPOLYMERS OF (METH)ACRYLATES AND (METH)ACRYLIC ACID AMINE COMPLEXES**
[54] **PROCEDE DE PRODUCTION DE COPOLYMERES FLUORES DE COMPLEXES DE (METH)ACRYLATES ET D'AMINE D'ACIDE (METH)ACRYLIQUE**
[72] SHENOY, SIDDHARTHA, US
[72] POLLINO, JOEL M., US
[72] RAGHAVANPILLAI, ANILKUMAR, US
[72] ROSEN, BRAD M., US
[72] WYSONG, ERNEST BYRON, US
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[54] **STERICALLY HINDERED AMINES AND ASSOCIATED METHODS**
[54] **AMINES STERIQUEMENT ENCOMBRES ET PROCEDES ASSOCIES**
[72] SU, WEI-YANG, US
[72] GRIGSBY, ROBERT A., JR., US
[72] ZHOU, JINGJUN, US
[73] HUNTSMAN PETROCHEMICAL LLC, US
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[54] **PRODUITS A BASE DE SULFATE DE CALCIUM ET LEURS PROCEDES DE FABRICATION**
[72] FISHER, ROBIN DANIEL, GB
[72] RIDEOUT, JAN, GB
[73] SAINT-GOBAIN PLACO SAS, FR
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[54] **ELIMINATION SELECTIVE DE CELLULES PRESENTANT DES AGENTS ACCUMULES**
[72] GRUBER, LEWIS, US
[73] SIWA CORPORATION, US
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[13] C

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[54] **METHOD FOR DETERMINING A QUANTITY OF AN ALKALINE AGENT TO BE INJECTED IN THE FRAMEWORK OF THE ASSISTED RECOVERY OF HYDROCARBONS**
[54] **PROCEDE POUR DETERMINER UNE QUANTITE D'AGENT ALCALIN A INJECTER DANS LE CADRE DE RECUPERATION ASSISTEE D'HYDROCARBURES**
[72] ROUSSEAU, DAVID, FR
[72] BAZIN, BRIGITTE, FR
[73] IFP ENERGIES NOUVELLES, FR
[85] 2013-05-22
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[54] **LENTILLES OPHTALMIQUES ASPHERIQUES, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] ANGELOPOULOS, ROBERT, US
[72] VAN NOY, STEPHEN, US
[73] NOVARTIS AG, CH
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[54] **PROCEDE D'AMELIORATION DE LA SELECTIVITE D'UN CATALYSEUR D'OE**
[72] EVANS, WAYNE ERROL, US
[72] HESS, MARTIN LYSLE, US
[72] KOBE, JEFFREY MICHAEL, US
[72] MATUSZ, MAREK, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **ACIDES CARBOXYLIQUES 1-BENZYLCHLOROALKYLE SUBSTITUES ET LEUR UTILISATION**
[72] LAMPE, THOMAS, DE
[72] HAHN, MICHAEL G., DE
[72] STASCH, JOHANNES-PETER, DE
[72] SCHLEMMER, KARL-HEINZ, DE
[72] WUNDER, FRANK, DE
[72] EL SHEIKH, SHERIF, DE
[72] LI, VOLKHART MIN-JIAN, DE
[72] BECKER, EVA-MARIA, DE
[72] STOLL, FRIEDERIKE, DE
[72] KNORR, ANDREAS, DE
[72] KOLKHOF, PETER, DE
[72] WOLTERING, ELISABETH, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
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[25] EN
[54] **SELF-ALIGNING ACTUATOR FOR DOOR-OPERATED SWITCH**
[54] **ACTIONNEUR A AUTO-ALIGNEMENT POUR COMMUTATEUR COMMANDE PAR UNE PORTE**
[72] MANAHAN, JOSEPH MICHAEL, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **DEVICE FOR HOLDING A MAGNETIC READING HEAD**
[72] BARNERON, SYLVAIN, FR
[73] INGENICO GROUP, FR
[85] 2013-06-06
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[54] **TABLE TOP DISHWASHER**
[54] **LAVE-VAISSELLE DE TABLE**
[72] LUNDBERG, MATS, SE
[72] SALERNO, LUIGI, IT
[73] ELECTROLUX HOME PRODUCTS CORPORATION N.V., BE
[85] 2013-06-06
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[54] **ALPHABODY LIBRARIES AND METHODS FOR PRODUCING THE SAME**
[54] **BANQUES D'ALPHACORPS ET LEURS PROCEDES DE PRODUCTION**
[72] DESMET, JOHAN, BE
[72] LASTERS, IGNACE, BE
[72] HENDERIKX, MARIA, BE
[72] WEHNERT, ANITA, BE
[73] COMPLIX SA, LU
[85] 2013-06-13
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[54] **METHOD FOR CONVERTING UO3 AND/OR U3O8 INTO HYDRATED UO4**
[54] **PROCEDE DE CONVERSION D'UO3 ET/OU DE U3O8 EN UO4 HYDRATE**
[72] MOREL, BERTRAND, FR
[72] AMARAGGI, DAVID, FR
[72] ARAB, MEHDI, FR
[72] THOMAS, RUDY, FR
[72] RIVENET, MURIELLE, FR
[72] ABRAHAM, FRANCIS, FR
[73] AREVA NC, FR
[85] 2013-06-19
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[54] **DRESSING COMPRISING GLUCOMANNAN**
[54] **SAUCE CONTENANT DU GLUCOMANNANE**
[72] FRYE, RICHARD KEITH, US
[73] UNILEVER PLC, GB
[85] 2013-06-20
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[13] C

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[25] EN
[54] **THREADED CONNECTION FOR DRILLING AND WORKING HYDROCARBON WELLS**
[54] **RACCORD VISSE PERMETTANT DE FORER ET D'EXPLOITER DES PUIITS D'HYDROCARBURE**
[72] CARROIS, FABIEN, FR
[72] GALLOIS, YANN, FR
[72] CONRAD, FRANCOIS, FR
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
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[30] FR (10/05163) 2010-12-28

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[13] C

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[25] EN
[54] **STABILIZED EDIBLE OIL-IN-WATER EMULSION COMPRISING GROUND PULSE SEED**
[54] **EMULSION A PHASE CONTINUE AQUEUSE STABILISEE ET COMESTIBLE COMPRENANT DES GRAINES DE LEGUMINEUSES BROYEES**
[72] BIALEK, JADWIGA MALGORZATA, NL
[72] NIJSSE, JACOB, NL
[72] SILVA PAES, SABRINA, NL
[72] VREEKER, ROBERT, NL
[73] UNILEVER PLC, GB
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[54] **ULTRA WIDEBAND TIME-DELAYED CORRELATOR**

[54] **CORRELATEUR RETARDE DANS LE TEMPS A ULTRALARGE BANDE**

[72] CHIVERS, MARK A., US

[72] RAVINDRAN, SUJIT, US

[73] ABG TAG & TRAQ, LLC, US

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[54] **BUILDING STRUCTURE SYSTEMS**

[54] **SYSTEMES DE STRUCTURE DE BATIMENT**

[72] SCHIFFMANN, GLENN P., US

[72] SCHIFFMANN, GERHARD P., US

[72] WOJTUSIK, DANIEL, US

[73] COMPOSITE PANEL SYSTEMS, LLC, US

[85] 2013-04-04

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[25] EN

[54] **WHITE COHERENT LASER LIGHT LAUNCHED INTO NANO FIBERS FOR SURGICAL ILLUMINATION**

[54] **LUMIERE LASER COHERENTE BLANCHE LANCEE DANS DES NANOFIBRES POUR UN ECLAIRAGE CHIRURGICAL**

[72] HORVATH, CHRISTOPHER, US

[72] PAPAC, MICHAEL J., US

[72] ROMODA, LASZLO, US

[72] SMITH, RONALD T., US

[72] YADLOWSKY, MICHAEL J., US

[73] ALCON RESEARCH, LTD., US

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[54] **AUTONOMOUS VALVE**

[54] **SOUPAPE AUTONOME**

[72] AAKRE, HAAVARD, NO

[72] MATHIESEN, VIDAR, NO

[72] WERSWICK, BJORNAR, NO

[73] STATOIL PETROLEUM AS, NO

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[13] C

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[54] **USE OF SIMALIKALACTONE E AS AN ANTICANCER AGENT**

[54] **UTILISATION DE LA SIMALIKALACTONE E COMME AGENT ANTICANCEREUX**

[72] BOURDY, GENEVIEVE, FR

[72] AUBERGER, PATRICK, FR

[72] JULLIAN, VALERIE, FR

[72] ROBERT, GUILLAUME, FR

[72] DEHARO, ERIC, FR

[73] INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT, FR

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[13] C

[51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/588 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **PROCESS FOR MINERAL OIL PRODUCTION FROM MINERAL OIL DEPOSITS WITH HIGH DEPOSIT TEMPERATURE**

[54] **PROCEDE POUR L'EXTRACTION DE PETROLE DE GISEMENTS DE PETROLE PRESENTANT UNE TEMPERATURE DE GISEMENT ELEVEE**

[72] BRIECHLE, SEBASTIAN, DE

[72] FAUST, TILLMANN, DE

[72] FREYER, STEPHAN, DE

[72] HOLLMANN, RAJAN, DE

[72] KAPPLER, TOBIAS, DE

[72] LEONHARDT, BERND, DE

[72] SCHMIDT, JULIA KRISTIANE, DE

[72] WENZKE, BENJAMIN, DE

[72] VISSER, FOPPE, DE

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[25] FR
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[54] **SYSTEME D'ETANCHEITE SUR BETON**
[72] LAYERLE, ERIC, FR
[72] URBAIN, JEAN-ETIENNE, FR
[73] EUROVIA, FR
[85] 2013-07-30
[86] 2012-02-03 (PCT/EP2012/051894)
[87] (WO2012/104427)
[30] FR (1150869) 2011-02-03
[30] FR (1250995) 2012-02-02

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[13] C

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[25] EN
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[54] **OBJET A MACHER POUR ANIMAUX COMPRENANT DES ELEMENTS PLUS OU MOINS DURABLES**
[72] AXELROD, GLEN S., US
[72] GAJRIA, AJAY, IN
[73] T.F.H. PUBLICATIONS, INC., US
[85] 2013-08-01
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[54] **IMPRESSION A JET D'ENCRE HAUTE RESOLUTION SUR DENREES ET PRODUITS ALIMENTAIRES**
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[72] COLLINS, THOMAS M, US
[72] SHASTRY, ARUN, US
[72] SUTTLE, JAMES M., US
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[54] **ULTRA-WIDEBAND DUAL BAND MAGNITUDE SUMMER APPARATUS AND METHOD**
[54] **PROCEDE ET APPAREIL SOMMATEUR D'AMPLITUDES DOUBLE BANDE A BANDE ULTRA-LARGE**
[72] CHIVERS, MARK A., US
[72] RAVINDRAN, SUJIT, US
[73] ABG TAG & TRAQ, LLC, US
[85] 2013-08-07
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[54] **NERVURE D'EPAULEMENT PERMETTANT DE DIRIGER UNE FORCE DE CHARGE SUPERIEURE**
[72] PHILIP, BRADLEY S., US
[72] MAST, LUKE A., US
[73] AMCOR RIGID PLASTICS USA, LLC, US
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[54] **ENCAPSULATED CELLS FOR HORMONE REPLACEMENT THERAPY**
[54] **CELLULES ENCAPSULEES POUR HORMONOTHERAPIE SUBSTITUTIVE**
[72] OPARA, EMMANUEL C., US
[72] YOO, JAMES J., US
[72] SAUL, JUSTIN M., US
[72] SIVANANDANE, SITTADJODY, US
[72] ATALA, ANTHONY, US
[73] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US
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[54] **RUBAN MICROSTRUCTURE**
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[72] CLARKE, GRAHAM M., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **3D MICROFLUIDIC DEVICES BASED ON OPEN-THROUGH THERMOPLASTIC ELASTOMER MEMBRANES**
[54] **DISPOSITIFS MICROFLUIDIQUES 3D A BASE DE MEMBRANES ELASTOMERES THERMOPLASTIQUES A OUVERTURE TRAVERSANTE**
[72] BRASSARD, DANIEL, CA
[72] ROY, EMMANUEL, CA
[72] LI, KEBIN, CA
[72] VERES, TEODOR, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING A MORE RELIABLE INTERCONNECTION BETWEEN A SPRING AND A BRAKE SHOE IN THE COUNTERBALANCE SYSTEM OF A TILT-IN WINDOW**
[54] **SYSTEME ET PROCEDE VISANT A OFFRIR UNE INTERCONNEXION PLUS FIABLE ENTRE UN RESSORT ET UN PATIN DE FREIN DANS LE SYSTEME DE CONTREPOIDS D'UNE FENETRE A BASCULE**
[72] KUNZ, JOHN R., US
[73] JOHN EVANS' SONS, INC., US
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[54] **APPARATUS AND METHOD FOR POSITIONING OF A FLUIDIZED PLUGGING MATERIAL IN AN OIL WELL OR GAS WELL**
[54] **APPAREIL ET PROCEDE POUR POSITIONNER UN PRODUIT COLMATANT FLUIDISE DANS UN Puits DE PETROLE OU UN Puits DE GAZ**
[72] LARSEN, ARNE GUNNAR, NO
[72] JENSEN, ROY INGE, NO
[72] ANDERSEN, PATRICK, NO
[72] MYHRE, MORTEN, NO
[73] HYDRA SYSTEMS AS, NO
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[54] **COMPOSITION D'ECRAN SOLAIRE**
[72] CHAVAN, MOHAN VIJAYKUMAR, IN
[72] DUGGAL, CHARU, IN
[72] GAURAV, KUMAR, IN
[72] RAUT, JANHAVI SANJAY, GB
[72] VAIDYA, ASHISH ANANT, IN
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[54] **CLAPET ANTIRETOUR SUREQUILIBRE A PROFIL BAS**
[72] COSCARELLA, GABE, CA
[73] COSCARELLA, GABE, CA
[86] (2830404)
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[13] C

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[54] **METHOD FOR PRODUCING LIGNIN DERIVATIVES**
[54] **PROCEDE DE PRODUCTION DE DERIVES DE LIGNINE**
[72] SREBOTNIK, EWALD, AT
[72] TERS, THOMAS, AT
[72] FACKLER, KARIN, AT
[72] MESSNER, KURT, AT
[72] ERTL, ORTWIN, AT
[73] ANNIKKI GMBH, AT
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[54] **WATER-BASED COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT AQUEUSE**
[72] IWASAWA, AKIRA, JP
[72] FUJIMOTO, TAKESHI, JP
[72] KAWAI, YASUHIRO, JP
[72] HAMANAKA, SEIJI, JP
[73] DAI NIPPON TORYO CO., LTD., JP
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[25] EN
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POLYETHYLENE LATEX**
[54] **LATEX DE POLYETHYLENE
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[72] SAKATA, JUN, JP
[72] MIYAZAKI, HIROMASA, JP
[72] MATSUKAWA, TAJI, JP
[73] SUMITOMO SEIKA CHEMICALS
CO., LTD., JP
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[25] EN
[54] **DEPROTECTION METHOD FOR
PROTECTED HYDROXYL GROUP**
[54] **PROCEDE DE DEPROTECTION
POUR UN GROUPE HYDROXYLE
PROTEGE**
[72] ISHIBASHI, YUICHIRO, JP
[72] MATSUMURA, YASUSHI, JP
[73] AGC INC., JP
[85] 2013-10-10
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[54] **A STENT**
[54] **EXTENSEUR**
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[72] PANT, SANJAY, GB
[72] AL-LAMEE, KADEM GAYAD, GB
[73] ARTERIUS LIMITED, GB
[85] 2013-10-15
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[13] C

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[25] EN
[54] **HIGH DENSITY ELECTRICAL
CONNECTOR HAVING A
PRINTED CIRCUIT BOARD**
[54] **CONNECTEUR ELECTRIQUE A
HAUTE DENSITE COMPORTANT
UNE CARTE DE CIRCUIT
IMPRIME**
[72] FEYDER, IGOR, US
[72] NANIA, FRANCESCO A., US
[73] HYPERTRONICS CORPORATION,
US
[85] 2013-10-15
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[25] EN
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POLYPHARMACEUTICAL FOR
PREVENTING AND TREATING
ATHEROSCLEROSIS**
[54] **POLYMEDICAMENT AUX
HERBES POUR LA PREVENTION
ET LE TRAITEMENT DE
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[72] CASTANEDA MIRANDA, JOSE
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[25] EN
[54] **COMPOSITE SOFT TOP
ASSEMBLY FOR SUV, BOTH 2
DOOR AND 4 DOOR**
[54] **ENSEMBLE DE TOIT SOUPLE EN
COMPOSITE POUR VEHICULE
UTILITAIRE SPORT A DEUX OU
QUATRE PORTES**
[72] HABERKAMP, WILLIAM H., US
[72] STICKLES, GEORGE, US
[73] BESTOP, INC., US
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[25] EN
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RESISTANCE TO
DELAMINATION**
[54] **RUBAN INVISIBLE POSSEDANT
UNE MEILLEURE RESISTANCE
AU DECOLLEMENT**
[72] BERAUD, JEAN-MARC, FR
[72] DUCARRE, JACQUES, FR
[72] THIEL, JEAN-BENOIT, FR
[73] HEXCEL REINFORCEMENTS, FR
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[54] **COUVERCLE PLIANT SOUPLE**
[72] FACCHINELLO, JEROME, US
[72] REMINDER, WILLIAM, US
[73] EXTANG CORPORATION, US
[86] (2834605)
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[54] **PRODUCTS AND PROCESSES FOR MULTIPLEX NUCLEIC ACID IDENTIFICATION**
[54] **PRODUITS ET PROCÉDES D'IDENTIFICATION D'ACIDES NUCLEIQUES MULTIPLEXES**
[72] HONISCH, CHRISTIANE, US
[72] VAN DEN BOOM, DIRK JOHANNES, US
[72] MOSKO, MICHAEL, US
[72] NYGREN, ANDERS, US
[73] AGENA BIOSCIENCE, INC., US
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[25] EN
[54] **COMPRESSION BANDAGE FOR PLACING ON THE HUMAN OR ANIMAL BODY**
[54] **BANDAGE COMPRESSIF DESTINE A ETRE POSE SUR LE CORPS D'UN ETRE HUMAIN OU D'UN ANIMAL**
[72] JUNG, HARALD, DE
[72] KLOEPELS, MICHAEL, DE
[73] KARL OTTO BRAUN GMBH & CO. KG, DE
[85] 2013-11-21
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[30] DE (10 2011 076 596.4) 2011-05-27

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[54] **JOINT UNIVERSEL A SYSTEME DE REFROIDISSEMENT**
[72] PARRETT, DALE H., US
[72] DOWNEY, ADAM C., US
[72] PITSCH, DAVID R., US
[72] AMBURGEY, MICHAEL D., US
[73] MOYNO, INC., US
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[25] EN
[54] **METHOD OF MAKING MAGNETICALLY LOADED COMPOSITE TAPES AND ROTORS MANUFACTURED THEREFROM**
[54] **METHODE DE FABRICATION DE RUBANS COMPOSITES CHARGES MAGNETIQUEMENT ET ROTORS FABRIQUES SELON LA METHODE**
[72] TARRANT, COLIN DAVID, GB
[72] DAY, GORDON MICHAEL DORRINGTON, GB
[73] GKN HYBRID POWER LIMITED, GB
[85] 2013-12-02
[86] 2012-06-14 (PCT/GB2012/051367)
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[25] EN
[54] **SYSTEM AND METHODS FOR VEHICLE INFORMATION-BASED FUEL PURCHASING**
[54] **SYSTEME ET PROCÉDES POUR ACHAT DE CARBURANT FONDE SUR DES INFORMATIONS RELATIVES A UN VEHICULE**
[72] BASILE, JOSEPH ANGELO, US
[72] HADLEY, DEBRA A., US
[73] ASSETWORKS INC., US
[86] (2838105)
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[25] EN
[54] **REGENERATED CELLULOSE FIBRE**
[54] **FIBRE CELLULOSIQUE REGENEREE**
[72] BERNT, INGO, DE
[72] BRUNNER, KONRAD, DE
[72] NORTH, MATTHEW, DE
[72] ROTHENBACHER, REINHOLD, DE
[72] ROGGENSTEIN, WALTER, DE
[72] SCHOLZ, ROLAND, DE
[73] KELHEIM FIBRES GMBH, DE
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[54] **PROCESS FOR THE MANUFACTURE OF MULTILAYER ARTICLES**
[54] **PROCÉDE DE FABRICATION D'ARTICLES MULTICOUCHES**
[72] THOMPSON, DAVID SAMUEL, AU
[73] XTEK LTD., AU
[85] 2013-12-20
[86] 2012-07-06 (PCT/AU2012/000820)
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[25] EN
[54] **SYSTEMS, COMPUTER MEDIUM AND COMPUTER-IMPLEMENTED METHODS FOR PROVIDING HEALTH INFORMATION TO EMPLOYEES VIA AUGMENTED REALITY DISPLAY**
[54] **SYSTEMES, SUPPORT INFORMATIQUE ET PROCESSES INFORMATIQUES POUR FOURNIR DES INFORMATIONS DE SANTE A DES EMPLOYES A L'AIDE D'UN AFFICHAGE A REALITE AUGMENTEE**
[72] HORSEMAN, SAMANTHA J., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2013-12-31
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[87] (WO2013/006642)
[30] US (61/504,638) 2011-07-05
[30] US (61/659,790) 2012-06-14
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[30] US (13/540,335) 2012-07-02

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[25] EN
[54] **FUNGICIDAL COMPOSITION AND METHOD FOR CONTROLLING PLANT DISEASES**
[54] **COMPOSITION FONGICIDE ET PROCEDURE DE LUTTE CONTRE LES MALADIES DE PLANTES**
[72] OGAWA, MUNEKAZU, JP
[72] KAWAI, YUZUKA, JP
[73] ISHIHARA SANGYO KAISHA, LTD., JP
[85] 2014-01-07
[86] 2012-06-15 (PCT/JP2012/065925)
[87] (WO2013/008604)
[30] JP (2011-151807) 2011-07-08

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[13] C

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[25] EN
[54] **APOPTOSIS-INDUCING AGENT**
[54] **AGENT INDUCTEUR D'APOPTOSE**
[72] NIITSU, YOSHIRO, JP
[72] NISHITA, HIROKI, JP
[73] NITTO DENKO CORPORATION, JP
[85] 2013-12-20
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[13] C

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[25] EN
[54] **SYSTEM AND METHOD FOR ANALYZING SAMPLES LABELED WITH 5, 10, 15, 20 TETRAKIS (4-CARBOXYPHENYL) PORPHINE (TCPP)**
[54] **SYSTEME ET PROCEDURE D'ANALYSE D'ECHANTILLONS MARQUES AU MOYEN DE LA 5, 10, 15, 20 TETRAKIS (4-CARBOXYPHENYLE) PORPHINE (TCPP)**
[72] DORIAN, CONSTANCE, US
[72] COUSINS, JOHN, US
[72] BENNETT, GORDON, US
[73] BIOAFFINITY TECHNOLOGIES, INC., US
[85] 2014-01-20
[86] 2010-07-19 (PCT/US2010/042481)
[87] (WO2011/009137)

[11] **2,843,235**
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[54] **RETRACTABLE AND EXTENDABLE COVERING DEVICE**
[54] **DISPOSITIF DE REVETEMENT RETRACTABLE ET EXTENSIBLE**
[72] VAN LOOSBROEK, PATRICK FRANCISCUS JOHANNES, NL
[73] UNILUX IP B.V., NL
[85] 2014-01-27
[86] 2012-07-26 (PCT/NL2012/050535)
[87] (WO2013/015689)
[30] NL (2007194) 2011-07-28

[11] **2,843,488**
[13] C

[51] **Int.Cl. B29B 15/10 (2006.01) B29B 15/12 (2006.01) C08J 5/04 (2006.01)**
[25] EN
[54] **FLEXIBLE REINFORCING FIBER YARN PRE-IMPREGNATED WITH RESIN**
[54] **FIBRE DE RENFORT FLEXIBLE PREIMPREGNEE DE RESINE**
[72] SCHNEIDER, MARKUS, DE
[72] STUSGEN, SILKE, DE
[72] WITZEL, SILKE, DE
[72] WOHLMANN, BERND, DE
[73] TEIJIN CARBON EUROPE GMBH, DE
[85] 2014-01-29
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[30] EP (11175952.8) 2011-07-29

[11] **2,844,112**
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[25] EN
[54] **SHELF STABLE, LOW WATER LIQUID BEVERAGE CONCENTRATES AND METHODS OF MAKING THE SAME**
[54] **CONCENTRES LIQUIDES DE BOISSON A FAIBLE TENEUR EN EAU STABLES EN CONSERVATION ET PROCESSES POUR LES PREPARER**
[72] ZELLER, BARY LYN, US
[72] TOPINKA, JOHN P., US
[72] RAGNARSSON, KARL, US
[72] KYSER, DALE ANTHONY, US
[73] KRAFT FOODS GROUP BRANDS LLC, US
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[54] **NAIL POLISH DISPLAY SYSTEM**
[54] **SYSTEME DE PRESENTATION DE VERNIS A ONGLES**
[72] NGUYEN, CUONG, US
[73] NGUYEN, CUONG, US
[85] 2014-02-04
[86] 2011-08-03 (PCT/US2011/046377)
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[30] US (13/005,424) 2011-01-12

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[54] **DRUG DELIVERY SYSTEM AND METHOD OF MANUFACTURING THEREOF**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT ET SON PROCEDE DE FABRICATION**
[72] KIRKPATRICK, SEAN R., US
[72] SVRLUGA, RICHARD C., US
[72] BLINN, STEPHEN M., US
[73] EXOGENESIS CORPORATION, US
[85] 2014-02-13
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[30] US (61/526,171) 2011-08-22

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[25] EN
[54] **COMPOSITIONS COMPRISING PERHYDROPYRROLO[3,2-C]PYRIDINES AND METHODS FOR THEIR USE IN TREATING VIRAL DISEASES**
[54] **COMPOSITIONS RENFERMANT DES PERHYDROPYRROLO[3,2-C]PYRIDINES ET METHODES D'UTILISATION POUR LE TRAITEMENT DE MALADIES VIRALES**
[72] HUBERMAN, ELIEZER, US
[73] NOVADRUG, LLC, US
[85] 2014-02-24
[86] 2012-08-23 (PCT/US2012/052108)
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[30] US (61/526,908) 2011-08-24

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[25] EN
[54] **NATURAL ANTIOXIDANT ANTI-INFLUENZA COMPOSITION**
[54] **COMPOSITION ANTIOXYDANTE ANTIGRIPPALE NATURELLE**
[72] CID VIVANCO, ROBERTO FRANCISCO, EC
[72] ANDRADE BEJARANO, EDWIN RENATO, EC
[73] PHARMABRAND S.A., EC
[85] 2014-02-25
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[30] EC (SP-11-11303) 2011-09-03

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[54] **VARIABLE AIR INTAKE CONTROL FOR RAPID FIRE STARTING IN SOLID FUEL BURNING APPLIANCES**
[54] **COMMANDE VARIABLE D'ASPIRATION D'AIR POUR ALLUMAGE DE FEU RAPIDE DANS DES APPAREILS A COMBUSTIBLE SOLIDE**
[72] MARCAKIS, EMMANUEL, CA
[73] MARCAKIS, EMMANUEL, CA
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[22] 2014-03-26
[30] GB (1305646.0) 2013-03-27

[11] **2,848,466**
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[25] FR
[54] **METHOD FOR MONITORING THE VOLUMETRIC EFFICIENCY OF AN HP PUMP OF A TURBOMACHINE HYDRAULIC REGULATION SYSTEM**
[54] **PROCEDE DE SUIVI DU RENDEMENT VOLUMETRIQUE D'UNE POMPE HP D'UN SYSTEME DE REGULATION HYDRAULIQUE DE TURBOMACHINE**
[72] POTEL, NICOLAS, FR
[72] GOMES, NICOLAS, FR
[73] SNECMA, FR
[85] 2014-03-12
[86] 2012-08-13 (PCT/FR2012/051888)
[87] (WO2013/038085)
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[54] **RADIOACTIVE FLUORINE-LABELED 2-NITROIMIDAZOLE DERIVATIVES**

[54] **DERIVES DE 2-MITROIMIDAZOLE ETIQUETES FLUORES RADIOACTIFS**

[72] NAKATA, NORIHITO, JP
[72] OKUMURA, YUKI, JP
[72] KIRIU, MASATO, JP
[72] NAGATA, ERIKO, JP
[72] MATSUMOTO, HIROKI, JP
[72] KUGE, YUJI, JP
[72] ZHAO, SONGJI, JP
[72] NISHIJIMA, KEN-ICHI, JP
[73] NIHON MEDI-PHYSICS CO., LTD., JP

[73] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP

[85] 2014-03-19
[86] 2012-09-18 (PCT/JP2012/073858)
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[13] C

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[25] EN

[54] **CONNECTING CONTACT LEADS TO LITHIUM-BASED ELECTRODES**

[54] **CONNEXION DE FILS DE CONTACT A DES ELECTRODES A BASE DE LITHIUM**

[72] LILLEY, SCOTT JOSEPH, GB
[72] IVANOV, GLEB, GB
[72] KOLOSNITSYN, VLADIMIR, RU
[72] SZCZERBA, MAREK JOZEF, GB
[73] OXIS ENERGY LIMITED, GB

[85] 2014-04-14
[86] 2012-07-11 (PCT/GB2012/051633)
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[30] EP (11193678.7) 2011-12-15
[30] US (61/641,612) 2012-05-02

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[13] C

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[54] **FILM CONTAINING COMPOSITIONS**

[54] **COMPOSITIONS COMPRENANT UN FILM**

[72] SZEWCZYK, GREGORY, US
[72] PATEL, NEETA ATUL, US
[72] JOGUN, SUZANNE, US
[72] PRENCIPE, MICHAEL, US
[73] COLGATE-PALMOLIVE COMPANY, US

[85] 2014-02-05
[86] 2011-12-16 (PCT/US2011/065308)
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[11] **2,853,703**
[13] C

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[25] EN

[54] **INDAZOLE INHIBITORS OF THE WNT SIGNAL PATHWAY AND USES THEREOF**

[54] **INHIBITEURS D'INDAZOLE DE PARCOURS DE SIGNAL WNT ET LEURS UTILISATIONS**

[72] HOOD, JOHN, US
[72] WALLACE, DAVID MARK, US
[72] KC, SUNIL KUMAR, US
[73] SAMUMED, LLC, US

[85] 2014-04-25
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[13] C

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[54] **AIRFRAME DISPLAY SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES D'AFFICHAGE A CADRE GONFLABLE**

[72] LINDBLOM, CURTIS H., US
[72] ELLIOTT, JOHN, US
[72] SOMMERVILLE, JIM, US
[72] NELSON, NATHANIEL J., US
[73] SKYLINE DISPLAYS, LLC, US

[85] 2014-04-29
[86] 2012-10-26 (PCT/US2012/062034)
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[30] US (61/555,347) 2011-11-03
[30] US (61/609,693) 2012-03-12

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[54] **SYSTEM AND METHOD FOR THE PREPARATION OF COOLED EDIBLE PRODUCTS**

[54] **SYSTEME ET PROCEDE DE PREPARATION DE PRODUITS COMESTIBLES REFROIDIS**

[72] BETH HALACHMI, BARAK, IL
[73] SOLO GELATO LTD., IL

[85] 2014-04-29
[86] 2013-02-11 (PCT/IL2013/050125)
[87] (WO2013/121421)
[30] US (61/598,481) 2012-02-14
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[30] US (61/749,652) 2013-01-07

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[25] EN
[54] **FABRICATION OF THREE-DIMENSIONAL PRINTED CIRCUIT BOARD STRUCTURES**
[54] **FABRICATION DE STRUCTURES DE CARTES DE CIRCUITS IMPRIMES TRIDIMENSIONNELLES**
[72] WANG, NAN, CN
[72] NYHUS, ORVILLE, US
[73] HONEYWELL INTERNATIONAL INC., US
[85] 2014-04-30
[86] 2011-11-18 (PCT/CN2011/082471)
[87] (WO2013/071519)

[11] **2,856,373**
[13] C

[51] **Int.Cl. H01Q 15/20 (2006.01) C21D 9/52 (2006.01) C22C 19/00 (2006.01) C22F 1/10 (2006.01)**
[25] EN
[54] **SUPERELASTIC WIRE AND METHOD OF FORMATION**
[54] **FIL SUPERELASTIQUE ET SON PROCEDE DE FORMATION**
[72] RAJAN, SUNDER S., US
[73] RAYTHEON COMPANY, US
[85] 2014-05-20
[86] 2012-11-09 (PCT/US2012/064537)
[87] (WO2013/089952)
[30] US (13/328,362) 2011-12-16

[11] **2,857,781**
[13] C

[51] **Int.Cl. G01M 15/14 (2006.01) F02C 7/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING PERFORMANCE OF AN APU STARTER**
[54] **PROCEDE ET DISPOSITIF POUR DETECTER LA PERFORMANCE D'UN DEMARREUR DE GROUPE AUXILIAIRE DE BORD**
[72] GU, ZHUPING, CN
[72] HUANG, LEI, CN
[72] DING, HUIFENG, CN
[72] WU, JIAJU, CN
[72] ZHENG, FENGLIANG, CN
[72] ZHONG, LEI, CN
[72] SHI, GUOGANG, CN
[72] CHEN, LEI, CN
[73] AIR CHINA LIMITED, CN
[86] (2857781)
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[22] 2014-07-24
[30] CN (201310313849X) 2013-07-24

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[13] C

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[54] **MEDICAL DEVICE HANDLE**
[54] **MANCHE DE DISPOSITIF MEDICAL**
[72] CRISOSTOMO, CRISSLY V., US
[72] MARTIN, KENNETH M., US
[72] INO, TAKASHI, US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2014-06-03
[86] 2012-12-03 (PCT/US2012/067567)
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[30] US (13/688,305) 2012-11-29

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[51] **Int.Cl. B67B 7/78 (2006.01) F17C 7/00 (2006.01) F17C 13/00 (2006.01)**
[25] EN
[54] **MECHANISM FOR PUNCTURING A GAS CARTRIDGE**
[54] **MECANISME DE PERFORATION D'UNE CARTOUCHE DE GAZ**
[72] BROUILLETTE, MARTIN, CA
[72] DION, STEVEN, CA
[72] HEBERT, CHRISTIAN, CA
[73] SOCPRA SCIENCES ET GENIE S.E.C., CA
[85] 2014-06-06
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING AMYLOID BETA PEPTIDE-ASSOCIATED DISEASES OR CONDITIONS**
[54] **COMPOSITION MEDICALE POUR PREVENIR OU TRAITER DES ETATS OU MALADIES ASSOCIES AU PEPTIDE ? AMYLOIDE**
[72] LIN, HANG-CHING, CN
[72] SU, MUH-HWAN, CN
[72] HUANG, YOUNG-MING, CN
[72] TANG, JING-JING, CN
[73] SINPHAR TIAN-LI PHARMACEUTICAL CO., LTD. (HANGZHOU), CN
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[25] EN
[54] **APPARATUS AND METHOD FOR STACKING ITEMS**
[54] **APPAREIL ET PROCÉDE PERMETTANT D'EMPILER DES ARTICLES**
[72] ROTH, CURTIS A., US
[72] KOX, ARNOLDUS, NL
[73] ALLIANCE MACHINE SYSTEMS INTERNATIONAL, LLC, US
[85] 2014-06-18
[86] 2012-12-19 (PCT/US2012/070574)
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[30] US (61/580,812) 2011-12-28

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[13] C

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[25] EN
[54] **METHOD AND SYSTEM FOR FLUID SEPARATION WITH AN INTEGRATED CONTROL SYSTEM**
[54] **PROCÉDE ET SYSTÈME DE SÉPARATION DE FLUIDES COMPORTANT UN SYSTÈME DE RÉGULATION INTÈGRE**
[72] HOYDAL, JAN, NO
[72] KRISTIANSEN, OLAV, NO
[72] EIKREM, GISLE OTTO, NO
[72] FJALESTAD, KJETIL, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2014-06-19
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[11] **2,865,457**
[13] C

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[25] EN
[54] **ARTICLES WITH ELECTRICAL CHARGING SURFACES**
[54] **ARTICLES AVEC SURFACES DE CHARGE ÉLECTRIQUES**
[72] BYRNE, NORMAN R., US
[72] KNAPP, ROBERT L., US
[72] WARWICK, TIMOTHY J., US
[72] BURDI, ROGER D., US
[73] BYRNE, NORMAN R., US
[86] (2865457)
[87] (2865457)
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[13] C

[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **PROCESS AND APPARATUS FOR REMOVING HEAT AND WATER FROM FLUE GAS**
[54] **PROCÉDE ET APPAREIL POUR ÉLIMINER DE LA CHALEUR ET DE L'EAU DE GAZ DE CARNEAU**
[72] BELCHERS, CHRISTOPHER H., CA
[72] MCGREGOR, IAN R., CA
[72] FURLONG, STEVE, CA
[73] DRYSTILL HOLDINGS INC., CA
[85] 2014-09-08
[86] 2012-03-07 (PCT/CA2012/000209)
[87] (WO2012/119235)
[30] US (61/450,405) 2011-03-08
[30] US (61/450,923) 2011-03-09

[11] **2,867,917**
[13] C

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[25] EN
[54] **METHOD FOR MANUFACTURING TRANSDERMALLY DELIVERED HYALURONIC ACID-PROTEIN CONJUGATE AND TRANSDERMALLY DELIVERED HYALURONIC ACID-PROTEIN CONJUGATE MANUFACTURED USING SAME**
[54] **PROCÉDE DE PRÉPARATION D'UN CONJUGUE ACIDE HYALURONIQUE-PROTEINE POUVANT ÊTRE ADMINISTRÉ PAR VOIE TRANSDERMIQUE ET CONJUGUE ACIDE HYALURONIQUE-PROTEINE POUVANT ÊTRE ADMINISTRÉ PAR VOIE TRANSDERMIQUE PRÉPARÉ PAR CE PROCÉDE**
[72] HAHN, SEI KWANG, KR
[72] KIM, EUNG-SAM, KR
[72] YANG, JEONGA, KR
[72] KIM, HYEMIN, KR
[72] CHOI, KWAN YONG, KR
[72] SHIN, JI HYE, KR
[72] KWON, JUNG-HEE, KR
[73] PHI BIOMED CO., LTD., KR
[85] 2014-09-19
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[87] (WO2013/119061)
[30] KR (10-2012-0012315) 2012-02-07

[11] **2,871,344**
[13] C

[51] **Int.Cl. H01M 8/2465 (2016.01) H01M 8/0267 (2016.01) H01M 8/241 (2016.01)**
[25] EN
[54] **FUEL CELL STACK WITH DISPLACEMENT ABSORBING PROJECTIONS**
[54] **EMPILEMENT DE PILE A COMBUSTIBLE DOTE DE PROJECTIONS ABSORBANT LE DÉPLACEMENT**
[72] IRITSUKI, KEITA, JP
[72] FUKUYAMA, YOSUKE, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2014-10-23
[86] 2012-12-26 (PCT/JP2012/083628)
[87] (WO2013/175669)
[30] JP (2012-117779) 2012-05-23
[30] JP (2012-255850) 2012-11-22

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[25] EN
[54] **METHOD FOR THE
MANUFACTURE OF BIO-
PRODUCTS WITH A MODIFIED
SUGAR PROFILE**
[54] **PROCEDE POUR LA
FABRICATION DE BIOPRODUITS
AVEC UN PROFIL GLUCIDIQUE
MODIFIE**
[72] ELLEGARD, KATRINE HVID, DK
[72] THOMSEN, KARL KRISTIAN, DK
[72] HANSEN, OLE KAAE, DK
[73] HAMLET PROTEIN A/S, DK
[85] 2014-11-06
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[87] (WO2013/171259)
[30] EP (12168274.4) 2012-05-16
[30] US (61/647,667) 2012-05-16
[30] US (61/777,938) 2013-03-12

[11] **2,874,845**
[13] C

[51] **Int.Cl. E04H 4/16 (2006.01) F21V
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[25] EN
[54] **POOL CLEANER LIGHT MODULE**
[54] **MODULE D'ECLAIRAGE
D'APPAREIL DE NETTOYAGE DE
PISCINE**
[72] DEERY, BRIAN, US
[72] LIPSKI, JOHN, US
[72] RICHIUSO, LEONARD, US
[72] GOPALAN, SURESH, US
[73] PENTAIR WATER POOL AND SPA,
INC., US
[85] 2014-11-26
[86] 2013-06-04 (PCT/US2013/044122)
[87] (WO2013/184686)
[30] US (13/488,135) 2012-06-04

[11] **2,874,861**
[13] C

[51] **Int.Cl. B32B 37/02 (2006.01) A61F
13/15 (2006.01) B32B 5/08 (2006.01)**
[25] EN
[54] **STRETCH LAMINATE WITH
CURVED ELASTIC**
[54] **STRATIFIE EXTENSIBLE AVEC
ELASTIQUE INCURVE**
[72] SCHWARTZ, CHRISTOPHER A., US
[72] ANDREWS, ROBERT E., US
[73] CURT G. JOA, INC., US
[86] (2874861)
[87] (2874861)
[22] 2014-12-11
[30] US (61/915,206) 2013-12-12

[11] **2,876,212**
[13] C

[51] **Int.Cl. A47G 1/16 (2006.01) F16G
11/10 (2006.01)**
[25] EN
[54] **HOOK DEVICE FOR HANGING
OBJECTS**
[54] **DISPOSITIF FORMANT
CROCHET PERMETTANT DE
SUSPENDRE DES OBJETS**
[72] VAN GROESEN, WILHELMUS
MARIA, NL
[73] JAN VAN BOXTEL ARTITEC B.V.,
NL
[85] 2014-12-09
[86] 2013-06-19 (PCT/NL2013/050433)
[87] (WO2013/191544)
[30] NL (2009029) 2012-06-19

[11] **2,877,119**
[13] C

[51] **Int.Cl. G01N 27/06 (2006.01)**
[25] EN
[54] **TOMOGRAPHIC
DETERMINATION OF SCALE
BUILD-UP IN PIPES AND OTHER
TANKS, CELLS, VESSELS OR
CONTAINERS**
[54] **DETERMINATION
TOMOGRAPHIQUE
D'ACCUMULATION DE DEBRIS
DANS DES TUYAUX ET
D'AUTRES RESERVOIRS,
CELLULES, CUVES OU
RECIPIENTS**
[72] KERSEY, ALAN D., US
[72] FERNALD, MARK R., US
[73] CIDRA CORPORATE SERVICES
INC., US
[85] 2014-12-17
[86] 2013-06-20 (PCT/US2013/046738)
[87] (WO2013/192387)
[30] US (61/662,094) 2012-06-20

[11] **2,877,170**
[13] C

[51] **Int.Cl. B05B 7/00 (2006.01) B05B
11/00 (2006.01) B05B 11/04 (2006.01)**
[25] EN
[54] **A FOAM GENERATING
DISPENSER**
[54] **DISTRIBUTEUR DE GENERATION
DE MOUSSE**
[72] HOFTE, PAULUS ANTONIUS
AUGUSTINUS, BE
[73] THE PROCTER & GAMBLE
COMPANY, US
[85] 2014-12-17
[86] 2013-07-02 (PCT/US2013/049092)
[87] (WO2014/008274)
[30] US (13/540,640) 2012-07-03

[11] **2,877,181**
[13] C

[51] **Int.Cl. H01P 1/08 (2006.01) G01F
23/00 (2006.01) H01P 5/02 (2006.01)**
[25] EN
[54] **GAS-TIGHT WAVEGUIDE
COUPLING, HIGH-FREQUENCY
MODULE, FILL-LEVEL RADAR
AND USE**
[54] **COUPLAGE ETANCHE AU GAZ
D'UN GUIDE D'ONDE, MOUDULE
HAUTE FREQUENCE, RADAR DE
NIVEAU DE REMPLISSAGE ET
UTILISATION**
[72] WEINZIERLE, CHRISTIAN, DE
[72] SCHULTHEISS, DANIEL, DE
[73] VEGA GRIESHABER KG, DE
[85] 2014-12-18
[86] 2013-07-04 (PCT/EP2013/064170)
[87] (WO2014/006148)
[30] EP (12175004.6) 2012-07-04
[30] EP (12175007.9) 2012-07-04
[30] US (61/668,154) 2012-07-05
[30] US (61/668,161) 2012-07-05

[11] **2,879,751**
[13] C

[51] **Int.Cl. B60R 9/055 (2006.01)**
[25] EN
[54] **ROOF BOX FOR A VEHICLE**
[54] **COFFRE DE TOIT POUR UN
VEHICULE**
[72] FRITSCHKE, GUNTHER, DE
[73] THULE SWEDEN AB, SE
[85] 2015-01-21
[86] 2013-09-06 (PCT/EP2013/068489)
[87] (WO2014/037513)
[30] EP (12183756.1) 2012-09-10

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[11] **2,879,783**
[13] C

[51] **Int.Cl. F16K 41/02 (2006.01) F16K 27/08 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **A METHOD FOR REPLACING A PACKING CHAMBER IN AN EXISTING VALVE**
[54] **PROCEDE DE REMPLACEMENT D'UNE CHAMBRE DE GARNITURE DANS UNE VANNE EXISTANTE**
[72] DAIGLE, BILLY RAY, US
[73] MARATHON PETROLEUM COMPANY LP, US
[86] (2879783)
[87] (2879783)
[22] 2015-01-26
[30] US (61/939,384) 2014-02-13

[11] **2,881,094**
[13] C

[51] **Int.Cl. C08L 67/00 (2006.01) C08K 3/22 (2006.01) C08L 33/00 (2006.01) C08L 63/00 (2006.01) A01N 59/20 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SOLID SURFACES AND TREATMENTS AND PROCESSES FOR PREPARING THE SAME**
[54] **SURFACES SOLIDES ANTIMICROBIENNES, TRAITEMENTS ET PROCEDES POUR LES PREPARER**
[72] TRINDER, KENNETH GAUTHIER, II, US
[72] KANMUKHLA, VIKRAM, US
[73] CUPRON, INC., US
[73] EOS SURFACES LLC, US
[85] 2015-02-05
[86] 2013-08-08 (PCT/US2013/054040)
[87] (WO2014/025949)
[30] US (61/681,158) 2012-08-09

[11] **2,882,788**
[13] C

[51] **Int.Cl. C23C 8/62 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS, METHODS AND ARTICLES PRODUCED THEREBY**
[54] **COMPOSITIONS DE REVETEMENT, METHODES ET ARTICLES AINSI PRODUITS**
[72] MEDVEDOVSKI, EUGENE, CA
[73] ENDURANCE TECHNOLOGIES, INC., CA
[86] (2882788)
[87] (2882788)
[22] 2015-02-24
[30] US (61/944,681) 2014-02-26

[11] **2,882,795**
[13] C

[51] **Int.Cl. G05D 23/13 (2006.01)**
[25] EN
[54] **THERMOSTATIC MIXER VALVE**
[54] **MITIGEUR THERMOSTATIQUE**
[72] OTTELLI, GIORDANO, IT
[73] RIOBEL INC., CA
[85] 2015-02-23
[86] 2013-08-30 (PCT/IB2013/058160)
[87] (WO2014/033678)
[30] IT (BS2012A000131) 2012-08-30

[11] **2,883,489**
[13] C

[51] **Int.Cl. A01G 9/18 (2006.01) A01G 9/24 (2006.01)**
[25] EN
[54] **ENVIRONMENT CONTROLLED MULTI SPAN STRUCTURED GREEN HOUSES FOR COST EFFECTIVE FOOD PRODUCTION**
[54] **SERRES STRUCTUREES MULTITRAVEES A ENVIRONNEMENT CONTROLE DESTINEES A LA PRODUCTION ALIMENTAIRE RENTABLE**
[72] GUPTA, SAT PARKASH, IN
[73] GUPTA, SAT PARKASH, IN
[85] 2015-02-27
[86] 2012-12-19 (PCT/IN2012/000830)
[87] (WO2014/037958)
[30] IN (2779/DEL/2012) 2012-09-06

[11] **2,887,590**
[13] C

[51] **Int.Cl. E21B 17/04 (2006.01) E21B 19/18 (2006.01)**
[25] EN
[54] **ENHANCED PLASTERING EFFECT IN BOREHOLE DRILLING**
[54] **EFFET DE PLATRAGE AMELIORE DANS UN FORAGE DE TROU DE FORAGE**
[72] GRABLE, JEFFERY L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2015-04-08
[86] 2012-10-30 (PCT/US2012/062623)
[87] (WO2014/070148)

[11] **2,887,862**
[13] C

[51] **Int.Cl. B05C 19/02 (2006.01)**
[25] EN
[54] **FLUIDIZED BED COATING APPARATUS**
[54] **APPAREIL DE REVETEMENT A LIT FLUIDISE**
[72] FILICICCHIA, DANIEL J., US
[72] HUFFMAN, DAVID C., US
[72] SMITH, BRIAN K., US
[72] SZCZAP, JOSEPH P., US
[73] SPRAYING SYSTEMS CO., US
[85] 2015-04-10
[86] 2013-10-10 (PCT/US2013/064200)
[87] (WO2014/059063)
[30] US (61/713,305) 2012-10-12

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[11] **2,888,606**
[13] C

[51] **Int.Cl. C12N 9/12 (2006.01) C12N 1/21 (2006.01) C12N 15/54 (2006.01) C12N 15/63 (2006.01) C12P 13/04 (2006.01) C12P 13/06 (2006.01) C12P 13/08 (2006.01) C12P 13/12 (2006.01)**

[25] EN

[54] **ASPARAGINIC ACID KINASE III MUTANT AND HOST CELLS AND USE THEREOF**

[54] **MUTANT D'ACIDE ASPARAGINIQUE KINASE III ET CELLULES HOTES ET LEUR UTILISATION**

[72] YUE, GUOJUN, CN
[72] SUN, JIBIN, CN
[72] ZHENG, PING, CN
[72] LIU, JIAO, CN
[72] LI, QINGGANG, CN
[72] XIA, LINGHE, CN
[72] ZHOU, YONGSHENG, CN
[72] LUO, HU, CN
[72] ZHOU, YONG, CN
[72] MAN, YUN, CN
[72] LU, ZONGMEI, CN
[72] MA, YANHE, CN
[73] COFCO BIOCHEMICAL (ANHUI) CO., LTD, CN

[73] **TIANJIN INSTITUTE OF INDUSTRIAL BIOTECHNOLOGY, CHINESE ACADEMY OF SCIENCES, CN**

[85] 2015-04-17
[86] 2013-05-16 (PCT/CN2013/075751)
[87] (WO2014/059789)
[30] CN (201210398902.6) 2012-10-18

[11] **2,889,382**
[13] C

[51] **Int.Cl. G01D 1/00 (2006.01) G16Z 99/00 (2019.01) E21B 43/00 (2006.01) E21B 44/00 (2006.01) E21B 47/00 (2012.01) G01L 3/26 (2006.01) G06F 17/10 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR WELLBORE EVENT MODELING USING RIMLIER DATA**

[54] **SYSTEME, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR POUR LA MODELISATION D'UNE ACTIVITE DE TROU DE FORAGE AU MOYEN DE DONNEES LIEES AUX COMPORTEMENTS ANORMAUX**

[72] SAMUEL, ROBELLO, US
[72] GERMAIN, OLIVIER ROGER, US
[73] LANDMARK GRAPHICS CORPORATION, US

[85] 2015-04-24
[86] 2012-11-05 (PCT/US2012/063555)
[87] (WO2014/070207)

[11] **2,889,606**
[13] C

[51] **Int.Cl. E21B 43/26 (2006.01) C09K 8/68 (2006.01) C09K 8/80 (2006.01) E21B 43/267 (2006.01)**

[25] EN

[54] **METHOD OF FRACTURING SUBTERRANEAN FORMATIONS**

[54] **PROCEDE DE FRACTURATION DE FORMATIONS SOUTERRAINES**

[72] KURKAL-SIEBERT, VANDANA, DE
[72] TINSLEY, JACK, US
[72] GALINDO, TANHEE, US
[72] SHAWN, RIMASSA, US
[73] BASF SE, DE
[73] BASF CORPORATION, US

[85] 2015-04-24
[86] 2014-01-03 (PCT/EP2014/050034)
[87] (WO2014/108350)
[30] US (61/751,962) 2013-01-14

[11] **2,890,171**
[13] C

[51] **Int.Cl. A61K 33/00 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01)**

[25] EN

[54] **A POROUS SILICA MATERIAL FOR USE AS A PHARMACEUTICAL OR DIETARY ACTIVE INGREDIENT**

[54] **MATIERE DE SILICE POREUSE UTILISEE EN TANT QUE PRINCIPE ACTIF PHARMACEUTIQUE OU ALIMENTAIRE**

[72] CSIKASZ, ROBERT, SE
[72] BENGTTSSON, TORE, SE
[72] KUPFERSCHMIDT, NATALIA, SE
[72] GARCIA-BENNETT, ALFONSO E., SE

[73] SIGRID THERAPEUTICS AB, SE

[85] 2015-05-01
[86] 2013-11-06 (PCT/EP2013/073200)
[87] (WO2014/072363)
[30] US (61/723,019) 2012-11-06

[11] **2,891,651**
[13] C

[51] **Int.Cl. C09K 11/64 (2006.01) C07C 211/62 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **SUBSTRATES, SYSTEMS, AND METHODS FOR ARRAY SYNTHESIS AND BIOMOLECULAR ANALYSIS**

[54] **SUBSTRATS, SYSTEMES ET PROCEDES POUR LA SYNTHESE DE RESEAU ET L'ANALYSE BIOMOLECULAIRE**

[72] RAJASEKARAN, JOHN J., US
[72] JAYARAMAN, VASANTH, US
[72] WANG, TIANHAO, US
[72] BEI, KANG, US
[72] KRISHNAMURTHY, HARI KRISHNAN, US

[73] VIBRANT HOLDINGS, LLC, US

[85] 2015-05-14
[86] 2013-11-14 (PCT/US2013/070207)
[87] (WO2014/078606)
[30] US (61/726,515) 2012-11-14
[30] US (61/732,221) 2012-11-30
[30] US (PCT/US2013/025190) 2013-02-07
[30] US (61/765,584) 2013-02-15
[30] US (61/805,884) 2013-03-27
[30] US (61/866,512) 2013-08-15
[30] US (PCT/US2013/062773) 2013-09-30

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[11] **2,891,831**
[13] C

[51] **Int.Cl. B65D 33/25 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **CHILD-RESISTANT ZIPPER AND PACKAGING BAG INCORPORATING SAID ZIPPER**
[54] **FERMOIR A GLISSIERE A L'EPREUVE DES ENFANTS ET SAC D'EMBALLAGE INCORPORANT LEDIT FERMOIR**
[72] TAKIGAWA, HIROYUKI, JP
[73] TAKIGAWA CORPORATION JAPAN, JP
[86] (2891831)
[87] (2891831)
[22] 2015-05-12
[30] JP (2014-207812) 2014-10-09

[11] **2,891,886**
[13] C

[51] **Int.Cl. C23C 14/06 (2006.01) B21D 22/20 (2006.01) B21D 37/01 (2006.01) C23C 14/32 (2006.01) C23C 14/35 (2006.01)**
[25] EN
[54] **HARD COATING HAVING EXCELLENT ADHESION RESISTANCE TO SOFT METAL**
[54] **FILM DE REVETEMENT DUR PRESENTANT UNE EXCELLENTE RESISTANCE A L'ADHERENCE SUR UN METAL MOU**
[72] YAMAMOTO, KENJI, JP
[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBELCO STEEL, LTD.), JP
[85] 2015-05-19
[86] 2013-12-17 (PCT/JP2013/083787)
[87] (WO2014/098091)
[30] JP (2012-279768) 2012-12-21

[11] **2,893,764**
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) H04L 9/06 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSIGNING SECURITY LEVELS FOR INSTANT MESSAGING CONTACTS ACROSS DEVICE PARTITIONS**
[54] **MECANISME ET METHODE D'ATTRIBUTION DE NIVEAUX DE SECURITE AUX CONTACTS DE MESSAGERIE INSTANTANEE SUR DES PARTITIONS DE DISPOSITIF**
[72] BRANDER, RYAN CONRAD, CA
[72] SCOTT, MAURICE PATRICK, CA
[73] BLACKBERRY LIMITED, CA
[86] (2893764)
[87] (2893764)
[22] 2015-06-02
[30] US (14/294,065) 2014-06-02
[30] US (14/294,140) 2014-06-02
[30] US (14/644,131) 2015-03-10

[11] **2,894,311**
[13] C

[51] **Int.Cl. B25J 9/00 (2006.01) B64F 5/10 (2017.01) B23P 21/00 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **MOBILE PLATFORMS FOR PERFORMING OPERATIONS INSIDE A FUSELAGE ASSEMBLY**
[54] **PLATEFORMES MOBILES SERVANT A L'EXECUTION DE TRAVAUX A L'INTERIEUR D'UN FUSELAGE**
[72] OBEROI, HARINDER, US
[72] REESE IV, RICHARD GRIFFITH, US
[72] BARRICK, KEVIN MARION, US
[72] DO, QUANG T., US
[72] DRAPER, ALAN S., US
[72] GUDZINSKI, GREGORY, US
[72] MILLER, JEFFREY LAWRENCE, US
[73] THE BOEING COMPANY, US
[86] (2894311)
[87] (2894311)
[22] 2015-06-15
[30] US (62/022,641) 2014-07-09
[30] US (14/559,073) 2014-12-03

[11] **2,896,059**
[13] C

[51] **Int.Cl. B21J 15/02 (2006.01) B64F 5/10 (2017.01) B25J 9/00 (2006.01) B64C 1/12 (2006.01) F16B 5/04 (2006.01)**
[25] EN
[54] **TWO-STAGE RIVETING**
[54] **POSE DE RIVET EN DEUX ETAPES**
[72] OBEROI, HARINDER, US
[72] DRAPER, ALAN S., US
[72] SARH, BRANKO, US
[72] MILLER, JEFFREY LAWRENCE, US
[72] FINDLAY, MELISSA ANN, US
[72] ARRIAGA, JORGE ALBERTO, US
[73] THE BOEING COMPANY, US
[86] (2896059)
[87] (2896059)
[22] 2015-07-02
[30] US (62/022,641) 2014-07-09
[30] US (14/559,483) 2014-12-03

[11] **2,898,191**
[13] C

[51] **Int.Cl. C10G 47/00 (2006.01) C10G 49/22 (2006.01)**
[25] EN
[54] **CONVERSION OF ASPHALTENIC PITCH WITHIN AN EBULLATED BED RESIDUUM HYDROCRACKING PROCESS**
[54] **CONVERSION DE BRAI D'ASPHALTENE DANS UN PROCEDE D'HYDROCRAQUAGE DE RESIDUUM EN LIT BOUILLONNANT**
[72] MUKHERJEE, UJJAL K., US
[72] BALDASSARI, MARIO C., US
[72] GREENE, MARVIN I., US
[73] LUMMUS TECHNOLOGY INC., US
[85] 2015-07-14
[86] 2014-01-10 (PCT/US2014/011022)
[87] (WO2014/113285)
[30] US (13/743,936) 2013-01-17

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[11] **2,898,853**
[13] C

[51] **Int.Cl. A61C 5/44 (2017.01) A61C 5/42 (2017.01) A61C 1/08 (2006.01) A61C 19/04 (2006.01)**

[25] EN

[54] **METHOD FOR PLANNING A ROOT CANAL TREATMENT OF A PATIENT**

[54] **PROCEDE DE PLANIFICATION DU TRAITEMENT RADICULAIRE D'UNE DENT D'UN PATIENT**

[72] HEY, JOACHIM, DE
[72] KUSCH, JOCHEN, DE
[72] ZOLLORSCH, ANDREAS, DE
[73] SICAT GMBH & CO. KG, DE
[85] 2015-07-21
[86] 2014-03-21 (PCT/EP2014/055712)
[87] (WO2014/154584)
[30] DE (10 2013 103 209.5) 2013-03-28

[11] **2,899,829**
[13] C

[51] **Int.Cl. B05D 1/36 (2006.01) B05D 7/24 (2006.01) C09D 5/00 (2006.01) C09D 133/00 (2006.01) C09D 167/00 (2006.01)**

[25] EN

[54] **METHOD FOR FORMING MULTILAYER COATING FILM**

[54] **PROCEDE DE FORMATION D'UN FILM DE REVETEMENT MULTICOUCHE**

[72] SHISHAKU, TOMOMICHI, JP
[72] OGAWA, HIROTAKA, JP
[72] TOGAI, HIROKAZU, JP
[73] NIPPON PAINT AUTOMOTIVE COATINGS CO., LTD., JP
[85] 2015-07-30
[86] 2014-02-03 (PCT/JP2014/052425)
[87] (WO2014/119781)
[30] JP (2013-019628) 2013-02-04

[11] **2,901,589**
[13] C

[51] **Int.Cl. C25B 1/00 (2006.01) C09K 13/00 (2006.01)**

[25] EN

[54] **ELECTROLYTIC GENERATION OF MANGANESE (III) IONS IN STRONG SULFURIC ACID**

[54] **PRODUCTION ELECTROLYTIQUE D'IONS MANGANESE (III) DANS DE L'ACIDE SULFURIQUE FORT**

[72] PEARSON, TREVOR, GB
[72] CLARKE, TERENCE, GB
[72] CHAPANERI, ROSHAN V., GB
[72] ROBINSON, CRAIG, GB
[72] HYSLOP, ALISON, GB
[72] SINGH, AMRIK, GB
[73] MACDERMID ACUMEN, INC., US
[85] 2015-08-17
[86] 2014-03-07 (PCT/US2014/021618)
[87] (WO2014/164272)
[30] US (13/795,382) 2013-03-12

[11] **2,903,714**
[13] C

[51] **Int.Cl. E21B 17/00 (2006.01) E21B 17/042 (2006.01)**

[25] EN

[54] **COUPLINGS FOR EXPANDABLE TUBULAR**

[54] **ACCOUPELEMENTS POUR TUBULURE EXTENSIBLE**

[72] DELANGE, RICHARD W., US
[72] OSBURN, SCOTT H., US
[72] HOSSAIN, SYED, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2015-09-01
[86] 2014-03-13 (PCT/US2014/026615)
[87] (WO2014/151886)
[30] US (61/789,901) 2013-03-15

[11] **2,904,963**
[13] C

[51] **Int.Cl. C25B 3/04 (2006.01) C25B 9/00 (2006.01)**

[25] EN

[54] **METHODS FOR THE ELECTROLYTIC DECARBOXYLATION OF SUGARS**

[54] **PROCEDES DE DECARBOXYLATION ELECTROLYTIQUE DE SUCRES**

[72] STAPLEY, JONATHAN A., US
[72] GENDERS, DAVID J., US
[73] DFI USA, LLC, US
[85] 2015-09-09
[86] 2014-03-10 (PCT/US2014/022689)
[87] (WO2014/164523)
[30] US (61/777,890) 2013-03-12

[11] **2,906,295**
[13] C

[51] **Int.Cl. A61K 47/00 (2006.01)**

[25] EN

[54] **CHEWABLE FORMULATION**

[54] **FORMULATION A MACHER**

[72] CLEVERLY, DOUGLAS ROBERT, NZ
[72] DAVIES, KERYN, NZ
[72] AGARWAL, PRIYANKA, NZ
[72] WIN, SU, NZ
[72] DEVARAJ, GOPINATH, NZ
[72] GILL, DAVID ANTHONY, NZ
[73] ARGENTA MANUFACTURING LIMITED, NZ
[73] CLEVERLY, DOUGLAS ROBERT, NZ
[73] DAVIES, KERYN, NZ
[73] AGARWAL, PRIYANKA, NZ
[73] WIN, SU, NZ
[73] DEVARAJ, GOPINATH, NZ
[73] GILL, DAVID ANTHONY, NZ
[85] 2015-09-14
[86] 2014-03-17 (PCT/IB2014/059911)
[87] (WO2014/141223)
[30] US (61/793,676) 2013-03-15

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[11] **2,906,533**
[13] C

[51] **Int.Cl. C23G 1/16 (2006.01) C11D 11/00 (2006.01) C23G 1/18 (2006.01) C23G 1/22 (2006.01)**

[25] EN

[54] **ALKALINE CLEANING COMPOSITIONS FOR METAL SUBSTRATES**

[54] **COMPOSITIONS ALCALINES DE NETTOYAGE POUR DES SUBSTRATS METALLIQUES**

[72] MORRIS, ERIC L., US

[73] PRC-DESOTO INTERNATIONAL, INC., US

[85] 2015-09-14

[86] 2014-03-13 (PCT/US2014/026108)

[87] (WO2014/151617)

[30] US (61/802,619) 2013-03-16

[11] **2,908,766**
[13] C

[51] **Int.Cl. D07B 1/06 (2006.01) D06M 15/41 (2006.01) D06M 15/693 (2006.01)**

[25] EN

[54] **STEEL CORD AND METHOD OF MANUFACTURING RUBBER PRODUCT**

[54] **CORDON D'ACIER ET METHODE DE FABRICATION D'UN PRODUIT DE CAOUTCHOUC**

[72] SUEFUJI, RYOTARO, JP

[73] THE YOKOHAMA RUBBER CO., LTD., JP

[85] 2015-10-02

[86] 2014-04-03 (PCT/JP2014/059856)

[87] (WO2014/168070)

[30] JP (2013-082567) 2013-04-11

[11] **2,909,186**
[13] C

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **MEDICAL DEVICE FOR COLLECTION OF A BIOLOGICAL SAMPLE**

[54] **DISPOSITIF MEDICAL POUR LE PRELEVEMENT D'UN ECHANTILLON BIOLOGIQUE**

[72] BURKHOLZ, JONATHAN KARL, US

[72] DAVIS, BRYAN GARRET, US

[73] BECTON, DICKINSON AND COMPANY, US

[85] 2015-10-08

[86] 2014-04-14 (PCT/US2014/033920)

[87] (WO2014/172232)

[30] US (61/811,918) 2013-04-15

[11] **2,909,546**
[13] C

[51] **Int.Cl. C07J 43/00 (2006.01) A61K 31/58 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **19-NOR NEUROACTIVE STEROIDS AND METHODS OF USE THEREOF**

[54] **STEROIDES NEUROACTIFS 19-NOR ET PROCEDES D'UTILISATION DE CEUX-CI**

[72] BOTELLA, GABRIEL MARTINEZ, US

[72] HARRISON, BOYD L., US

[72] ROBICHAUD, ALBERT JEAN, US

[72] SALITURO, FRANCESCO G., US

[72] BERESIS, RICHARD THOMAS, CN

[73] SAGE THERAPEUTICS, INC., US

[85] 2015-10-15

[86] 2014-04-17 (PCT/CN2014/075593)

[87] (WO2014/169832)

[30] CN (PCT/CN2013/074312) 2013-04-17

[11] **2,910,242**
[13] C

[51] **Int.Cl. B01J 23/42 (2006.01) H01M 4/86 (2006.01)**

[25] EN

[54] **CATALYST, AND ELECTRODE CATALYST LAYER, MEMBRANE ELECTRODE ASSEMBLY AND FUEL CELL USING THE CATALYST**

[54] **CATALYSEUR ET COUCHE DE CATALYSEUR A ELECTRODE, ENSEMBLE D'ELECTRODE A MEMBRANE ET PILE A COMBUSTIBLE EMPLOYANT LE CATALYSEUR**

[72] MASHIO, TETSUYA, JP

[72] FURUYA, YOSHIHISA, JP

[72] AKIZUKI, KEN, JP

[72] OHMA, ATSUSHI, JP

[73] NISSAN MOTOR CO., LTD., JP

[85] 2015-10-22

[86] 2014-04-14 (PCT/JP2014/060647)

[87] (WO2014/175107)

[30] JP (2013-092940) 2013-04-25

[11] **2,910,246**
[13] C

[51] **Int.Cl. D21C 9/00 (2006.01)**

[25] EN

[54] **CELLULOSIC AND LIGNOCELLULOSIC STRUCTURAL MATERIALS AND METHODS AND SYSTEMS FOR MANUFACTURING SUCH MATERIALS**

[54] **MATERIAUX DE CONSTRUCTION CELLULOSIQUES ET LIGNOCELLULOSIQUES ET PROCEDES ET SYSTEMES DE FABRICATION DE CES MATERIAUX**

[72] MEDOFF, MARSHALL, US

[73] XYLECO, INC., US

[86] (2910246)

[87] (2910246)

[22] 2009-04-28

[62] 2,722,881

[30] US (61/049,395) 2008-04-30

[30] US (61/049,404) 2008-04-30

[30] US (61/073,432) 2008-06-18

[30] US (12/417,720) 2009-04-03

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[11] **2,910,389**
[13] C

[51] **Int.Cl. A24B 15/24 (2006.01) A24B 15/38 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD OF COMPOSITION ELEMENT OF FAVORITE ITEM INCLUDING FLAVOR COMPONENT, AND COMPOSITION ELEMENT OF FAVORITE ITEM, INCLUDING FLAVOR COMPONENT**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT DE COMPOSITION D'UN ARTICLE PREFERE COMPORANT UNE SUBSTANCE AROMATISANTE, ET ELEMENT DE COMPOSITION DE L'ARTICLE PREFERE, COMPRENANT LA SUBSTANCE AROMATISANTE**
[72] FUJISAWA, YOSHINORI, JP
[72] NAKANO, TAKUMA, JP
[72] UCHII, KIMITAKA, JP
[72] TAKEUCHI, MANABU, JP
[72] KATAYAMA, KAZUHIKO, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2015-10-23
[86] 2014-04-24 (PCT/JP2014/061617)
[87] (WO2014/175399)
[30] JP (2013-092942) 2013-04-25

[11] **2,910,710**
[13] C

[51] **Int.Cl. C08G 63/08 (2006.01) C08G 63/85 (2006.01)**
[25] EN
[54] **METHOD TO MANUFACTURE POLYLACTIDE ACID USING ZR OR HF COORDINATION COMPOUND AS CATALYST**
[54] **METHODE DE FABRICATION D'ACIDE POLYLACTIDE AU MOYEN DE COMPOSE DE COORDINATION ZR OU HF COMME CATALYSEUR**
[72] GOBIUS DU SART, GERRIT, NL
[72] DAVIDSON, MATTHEW GWILYM, GB
[72] CHUCK, CHRISTOPHER JAMES, GB
[73] PURAC BIOCHEM BV, NL
[85] 2015-10-28
[86] 2014-04-29 (PCT/EP2014/058688)
[87] (WO2014/177543)
[30] EP (13166273.6) 2013-05-02

[11] **2,911,038**
[13] C

[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **METHOD FOR SENSING CHANNEL DYNAMICALLY IN WIRELESS LAN SYSTEM AND APPARATUS THEREFOR**
[54] **PROCEDE POUR DETECTER UN CANAL DYNAMIQUEMENT DANS UN SYSTEME DE RESEAU LOCAL SANS FIL ET APPAREIL CORRESPONDANT**
[72] SEOK, YONGHO, KR
[73] LG ELECTRONICS INC., KR
[85] 2015-10-29
[86] 2014-05-02 (PCT/KR2014/003940)
[87] (WO2014/178678)
[30] US (61/818,876) 2013-05-02
[30] US (61/874,410) 2013-09-06
[30] US (61/887,431) 2013-10-06
[30] US (61/889,490) 2013-10-10
[30] US (61/896,006) 2013-10-25

[11] **2,911,721**
[13] C

[51] **Int.Cl. A23B 4/044 (2006.01) A23L 5/10 (2016.01) A47J 37/00 (2006.01)**
[25] EN
[54] **SMOKER OVEN WITH IMPROVED AIR FLOW**
[54] **FUMOIR A CIRCULATION D'AIR AMELIOREE**
[72] BLUE, SAMUEL RALPH, US
[72] BARGER, JESSE DEWAYNE, US
[72] NEEDHAM, CHRISTOPHER SHANE, US
[72] HUNSLEY, RAD JASEN, US
[73] SOUTHERN PRIDE DISTRIBUTING, LLC, US
[85] 2015-11-10
[86] 2015-05-11 (PCT/US2015/030069)
[87] (2911721)
[30] US (61/993,104) 2014-05-14

[11] **2,911,876**
[13] C

[51] **Int.Cl. G06Q 50/14 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MINIMIZING TRAVEL COSTS FOR MULTI-NIGHT STAYS**
[54] **SYSTEMES ET PROCEDES POUR REDUIRE AU MINIMUM DES COUTS DE VOYAGE POUR DES SEJOURS DE PLUSIEURS NUITS**
[72] NELSON, DANIEL A., US
[72] WILLIAMS, RYAN, US
[72] MCCOY, RYAN, US
[72] VALENTINE, NEIL, US
[72] DAILEY, STEVEN, US
[72] PACE, BRADLEY P., US
[73] RESERVATION COUNTER, LLC, US
[85] 2015-11-06
[86] 2014-02-07 (PCT/US2014/015400)
[87] (WO2014/182354)
[30] US (13/891,015) 2013-05-09
[30] US (13/914,594) 2013-06-10

[11] **2,912,687**
[13] C

[51] **Int.Cl. B67D 7/32 (2010.01) B67D 7/04 (2010.01)**
[25] EN
[54] **AUTOMATIC SUPPLY SYSTEM OF CONSUMABLE MATERIAL**
[54] **SYSTEME D'ALIMENTATION AUTOMATIQUE POUR MATIERES CONSOMMABLES**
[72] TOJIMA, MASANORI, JP
[72] YAMASHITA, KOUICHI, JP
[72] SUDOU, TSUGIO, JP
[72] TAKEDA, KOJI, JP
[73] KOMATSU LTD., JP
[86] (2912687)
[87] (2912687)
[22] 2012-05-09
[62] 2,832,789
[30] JP (2011-105746) 2011-05-10

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[11] **2,913,197**
[13] C

[51] **Int.Cl. C12N 1/21 (2006.01) C12N 15/52 (2006.01) C12P 7/46 (2006.01)**
[25] EN
[54] **RECOMBINANT E. COLI FOR PRODUCING SUCCINATE AND USE THEREOF**
[54] **ESCHERICHIA COLI RECOMBINANT POUR PRODUIRE DE L'ACIDE SUCCINIQUE ET APPLICATION CORRESPONDANTE**
[72] ZHANG, XUELI, CN
[72] ZHU, XINNA, CN
[72] XU, HONGTAO, CN
[72] TAN, ZAIGAO, CN
[73] TIANJIN INSTITUTE OF INDUSTRIAL BIOTECHNOLOGY, CHINESE ACADEMY OF SCIENCES, CN
[85] 2015-11-23
[86] 2014-05-23 (PCT/CN2014/078284)
[87] (WO2014/187357)
[30] CN (201310198953.9) 2013-05-24

[11] **2,918,462**
[13] C

[51] **Int.Cl. F04D 13/08 (2006.01) F04D 29/056 (2006.01) F04D 29/42 (2006.01) F04D 29/44 (2006.01)**
[25] EN
[54] **COMPLIANT ABRASION RESISTANT BEARINGS FOR A SUBMERSIBLE WELL PUMP**
[54] **PALIERES FLEXIBLES RESISTANT A L'ABRASION POUR POMPE DE Puits SUBMERSIBLE**
[72] TETZLAFF, STEVEN K., US
[72] ADAMS, DAN L., US
[72] MAY, DEWAYNE, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2016-01-15
[86] 2014-06-27 (PCT/US2014/044497)
[87] (WO2015/009428)
[30] US (13/946,651) 2013-07-19

[11] **2,920,099**
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01)**
[25] EN
[54] **USER EXPERIENCE/USER INTERFACE BASED ON INTERACTION HISTORY**
[54] **EXPERIENCE D'UTILISATEUR/INTERFACE UTILISATEUR EN FONCTION D'UN HISTORIQUE D'INTERACTION**
[72] SHARON, EYAL MICHAEL, US
[72] JOHNSON, MICHAEL DUDLEY, US
[73] FACEBOOK, INC., US
[85] 2016-02-03
[86] 2014-08-06 (PCT/US2014/049891)
[87] (WO2015/021118)
[30] US (13/963,801) 2013-08-09

[11] **2,920,218**
[13] C

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) A01C 7/16 (2006.01)**
[25] EN
[54] **SEED TENDER WITH SPINDLE AND BRAKE ASSEMBLY FOR CONVEYOR ROTATION**
[54] **CHARIOT DE SEMENCES DOTE D'UN MECANISME DE TIGE ET DE FREIN SERVANT A LA ROTATION DU TRANSPORTEUR**
[72] NEUFELD, JUAN, CA
[72] GRINDLE, JEFFREY PAUL, US
[73] MERIDIAN MANUFACTURING INC., CA
[86] (2920218)
[87] (2920218)
[22] 2016-02-08
[30] US (14/616193) 2015-02-06

[11] **2,921,315**
[13] C

[51] **Int.Cl. H01M 8/04 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**
[54] **MECANISME DE PILE A COMBUSTIBLE ET METHODE DE COMMANDE D'UN MECANISME DE PILE A COMBUSTIBLE**
[72] ASAI, YOSHITOMO, JP
[72] TOMITA, YOUSUKE, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2016-02-12
[86] 2014-07-16 (PCT/JP2014/068885)
[87] (WO2015/022836)
[30] JP (2013-167264) 2013-08-12

[11] **2,921,356**
[13] C

[51] **Int.Cl. E04H 17/10 (2006.01) A01K 3/00 (2006.01) E04F 11/18 (2006.01)**
[25] EN
[54] **A BRACKET AND METHOD OF USING SAME**
[54] **SUPPORT ET PROCEDE POUR L'UTILISER**
[72] MALINS, CRAIG DAVID, NZ
[73] GALLAGHER GROUP LIMITED, NZ
[85] 2016-02-12
[86] 2014-06-26 (PCT/NZ2014/000129)
[87] (WO2015/009165)
[30] NZ (613316) 2013-07-17

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[11] **2,922,664**
[13] C

[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/02 (2006.01) B01D 53/62 (2006.01) B01J 20/06 (2006.01) B01J 20/34 (2006.01)**

[25] EN

[54] **CARBON DIOXIDE RECOVERY APPARATUS, AND CARBON DIOXIDE RECOVERY METHOD**

[54] **APPAREIL DE RECUPERATION DE DIOXYDE DE CARBONE, ET PROCEDE DE RECUPERATION DE DIOXYDE DE CARBONE**

[72] YOSHIKAWA, KOUHEI, JP

[72] KANEEDA, MASATO, JP

[72] NAKAMURA, HIDEHIRO, JP

[72] SHIRASAKA, TOSHIKI, JP

[72] KITAMURA, KENETSU, JP

[72] ENOMOTO, KAZUHIRO, JP

[73] HITACHI CHEMICAL COMPANY, LTD., JP

[85] 2016-02-26

[86] 2014-10-15 (PCT/JP2014/077430)

[87] (WO2015/118728)

[30] JP (2014-023329) 2014-02-10

[11] **2,923,013**
[13] C

[51] **Int.Cl. C02F 1/32 (2006.01)**

[25] EN

[54] **ULTRAVIOLET IRRADIATION APPARATUS FOR TREATING WATER**

[54] **APPAREIL DE RAYONNEMENT ULTRAVIOLET DESTINE AU TRAITEMENT DE L'EAU**

[72] KOBAYASHI, SHINJI, JP

[72] ABE, NORIMITSU, JP

[72] IDE, TAKESHI, JP

[72] SHIROTA, AKIHIKO, JP

[72] TAKEUCHI, KENJI, JP

[73] KABUSHIKI KAISHA TOSHIBA, JP

[85] 2016-03-02

[86] 2014-03-12 (PCT/JP2014/056459)

[87] (WO2015/037257)

[30] JP (2013-188749) 2013-09-11

[11] **2,923,351**
[13] C

[51] **Int.Cl. A23K 50/40 (2016.01) A23K 20/10 (2016.01) A23K 20/111 (2016.01)**

[25] EN

[54] **PET FOOD COMPOSITIONS FOR INDUCING A SATIETY RESPONSE**

[54] **COMPOSITIONS D'ALIMENTS POUR ANIMAUX DE COMPAGNIE PERMETTANT D'INDUIRE UNE REPONSE DE SATIETE**

[72] AL-MURRANI, SAMER, US

[73] HILL'S PET NUTRITION, INC., US

[86] (2923351)

[87] (2923351)

[22] 2011-11-23

[62] 2,821,386

[30] US (61/425,008) 2010-12-20

[11] **2,926,508**
[13] C

[51] **Int.Cl. B60F 3/00 (2006.01) B60C 23/10 (2006.01) B60G 17/04 (2006.01) B60G 21/06 (2006.01)**

[25] EN

[54] **ALL-TERRAIN VEHICLE AND SUSPENSION FOR AN ALL-TERRAIN VEHICLE**

[54] **VEHICULE TOUT-TERRAIN ET SUSPENSION POUR CE VEHICULE**

[72] GARAGASHYAN, ALEKSEY, RU

[73] ENSENER ENTERPRISES LIMITED, CY

[85] 2016-04-05

[86] 2015-08-12 (PCT/IB2015/056131)

[87] (WO2016/030787)

[30] RU (2014135075) 2014-08-26

[11] **2,927,456**
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 7/20 (2006.01) G01V 8/16 (2006.01)**

[25] EN

[54] **PUMPING OF OPTICAL WAVEGUIDES INTO CONDUITS**

[54] **POMPAGE DE GUIDES D'ONDES OPTIQUES DANS DES CONDUITES**

[72] MICHAELIS, MAXIMO G., US

[72] MCCOLPIN, GLENN, US

[72] PARK, BRIAN V., US

[72] JAASKELAINEN, MIKKO, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-04-13

[86] 2013-12-17 (PCT/US2013/075846)

[87] (WO2015/094194)

[11] **2,927,508**
[13] C

[51] **Int.Cl. H01M 10/42 (2006.01) G01L 1/00 (2006.01) H01M 2/20 (2006.01)**

[25] EN

[54] **LOCKING CONFIRMATION DEVICE OF MULTIPLE ELECTRODE CONTACTS AND LOCKING CONFIRMATION DEVICE FOR DETECTING FAULT ELECTRODE CONTACTS OF NODES OF MULTIPLE ELECTRODES**

[54] **APPAREIL DE DETECTION POUR DETECTER DES ETATS VERROUILLES D'ELECTRODES MULTIPLES A L'AIDE D'UN CAPTEUR DE BATTERIE**

[72] YANG, ANTZU, CN

[72] YANG, ANTHONY ANTAO, CN

[72] CHEN, GORDON CHING, CN

[73] ALEEEES ECO ARK (CAYMAN) CO. LTD., KY

[85] 2016-04-14

[86] 2013-10-16 (PCT/CN2013/085338)

[87] (WO2015/054852)

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[11] **2,929,476**
[13] C

[51] **Int.Cl. A61M 39/10 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **SYSTEM FOR CLOSED TRANSFER OF FLUIDS WITH A LOCKING MEMBER**
[54] **SYSTEME POUR LE TRANSFERT FERME DE FLUIDES AVEC UN ELEMENT DE BLOCAGE**
[72] YEV MENENKO, YAN, US
[72] SANDERS, LAURIE, US
[73] BECTON DICKINSON AND COMPANY LIMITED, IE
[85] 2016-05-02
[86] 2014-11-04 (PCT/US2014/063864)
[87] (WO2015/069638)
[30] US (61/900,674) 2013-11-06

[11] **2,930,554**
[13] C

[51] **Int.Cl. G06F 9/44 (2018.01) H04W 4/21 (2018.01) G06F 3/14 (2006.01)**
[25] EN
[54] **PROVIDING CONTENT IN A TIMESLOT ON A CLIENT COMPUTING DEVICE**
[54] **FOURNITURE DE CONTENU DANS UNE TRANCHE DE TEMPS SUR UN DISPOSITIF INFORMATIQUE DE CLIENT**
[72] ST. CLAIR, LUKE, US
[73] FACEBOOK, INC., US
[85] 2016-05-12
[86] 2014-11-03 (PCT/US2014/063679)
[87] (WO2015/077010)
[30] US (14/088,235) 2013-11-22

[11] **2,931,992**
[13] C

[51] **Int.Cl. C21D 6/00 (2006.01) C21D 9/46 (2006.01) C22B 5/02 (2006.01) C23C 8/14 (2006.01)**
[25] EN
[54] **A METHOD OF ANNEALING STEEL SHEETS**
[54] **PROCEDE DE RECUIR DE TOLES EN ACIER**
[72] ROTOLE, JOHN, US
[72] STAUDTE, JONAS, FR
[72] MATAIGNE, JEAN-MICHEL, FR
[73] ARCELORMITTAL, LU
[85] 2016-05-27
[86] 2013-12-10 (PCT/US2013/074182)
[87] (WO2015/088501)

[11] **2,933,339**
[13] C

[51] **Int.Cl. A61K 31/704 (2006.01) A61P 1/00 (2006.01) A61P 31/04 (2006.01) C07J 63/00 (2006.01)**
[25] EN
[54] **A METHOD FOR PREPARATION OF HIGHLY PURE ASIATICOSIDE COMPOSITION FROM CENTELLA ASIATICA AND A METHOD OF USE THEREOF**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION D'ASIATICOSIDE TRES PURE A PARTIR DE CENTELLA ASIATICA ET SON PROCEDE D'UTILISATION**
[72] SUNIL, BHASKARAN, IN
[72] MOHAN, VISHWARAMAN, IN
[73] INDUS BIOTECH PRIVATE LIMITED, IN
[86] (2933339)
[87] (2933339)
[22] 2010-08-31
[62] 2,802,154
[30] IN (1760/MUM/2010) 2010-06-10

[11] **2,934,599**
[13] C

[51] **Int.Cl. C22C 38/06 (2006.01) B21D 22/20 (2006.01) C21D 9/46 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **HOT-PRESSED STEEL SHEET MEMBER, METHOD OF MANUFACTURING THE SAME, AND STEEL SHEET FOR HOT PRESSING**
[54] **ELEMENT EN TOLE D'ACIER PRESSEE A CHAUD, SON PROCEDE DE PRODUCTION ET TOLE D'ACIER PRESSEE A CHAUD**
[72] HAYASHI, KOUTAROU, JP
[72] NISHIBATA, TOSHINOBU, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2016-06-20
[86] 2013-12-27 (PCT/JP2013/085205)
[87] (WO2015/097891)

[11] **2,935,017**
[13] C

[51] **Int.Cl. F41H 5/24 (2006.01) E04H 9/00 (2006.01) F41H 5/04 (2006.01)**
[25] EN
[54] **ANTI-BALLISTIC SHELTERS**
[54] **ABRIS ANTI-BALISTIQUES**
[72] PETERS, FRED E., US
[73] SHIELDPRO, LLC, US
[85] 2016-06-23
[86] 2014-04-04 (PCT/US2014/032917)
[87] (WO2015/099822)
[30] US (14/139,711) 2013-12-23

[11] **2,935,039**
[13] C

[51] **Int.Cl. F22B 37/12 (2006.01) F22B 1/18 (2006.01) F28F 1/40 (2006.01)**
[25] EN
[54] **HEAT TRANSFER TUBE, BOILER AND STEAM TURBINE DEVICE**
[54] **TUBE DE TRANSFERT DE CHALEUR, CHAUDIERE ET INSTALLATION DE TURBINE A VAPEUR**
[72] NAKAHARAI, HIROYUKI, JP
[72] KANEMAKI, YUICHI, JP
[72] DOMOTO, KAZUHIRO, JP
[72] YAMASAKI, YOSHINORI, JP
[73] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
[85] 2016-06-23
[86] 2014-12-25 (PCT/JP2014/084238)
[87] (WO2015/099009)
[30] JP (2013-272804) 2013-12-27
[30] JP (2014-082139) 2014-04-11
[30] JP (2014-227415) 2014-11-07

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[11] **2,935,299**
[13] C

[51] **Int.Cl. C12M 1/38 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01)**

[25] EN

[54] **FULL-AUTOMATIC MICROORGANISM DETECTING ENRICHMENT SYSTEM AND ENRICHMENT METHOD THEREOF**

[54] **SYSTEME D'ENRICHISSEMENT DE DETECTION DE MICROORGANISME ENTIEREMENT AUTOMATIQUE ET METHODE D'ENRICHISSEMENT ASSOCIEE**

[72] NIU, GANG, CN
[73] NIU, GANG, CN
[73] WANG, HUASHAN, CN
[85] 2016-06-28
[86] 2014-12-31 (PCT/CN2014/095848)
[87] (WO2015/101326)
[30] CN (201310751864.2) 2013-12-31

[11] **2,935,529**
[13] C

[51] **Int.Cl. H01M 8/02 (2016.01) C25D 9/08 (2006.01) H01M 8/10 (2016.01) C22C 14/00 (2006.01) C22F 1/00 (2006.01) C22F 1/18 (2006.01)**

[25] EN

[54] **TITANIUM MATERIAL OR TITANIUM ALLOY MATERIAL HAVING SURFACE ELECTRICAL CONDUCTIVITY AND METHOD FOR PRODUCING THE SAME, AND FUEL CELL SEPARATOR AND FUEL CELL USING THE SAME**

[54] **MATERIAU DE TITANE OU MATERIAU D'ALLIAGE DE TITANE PRESENTANT UNE CONDUCTIVITE ELECTRIQUE DE SURFACE ET PROCEDE DE PRODUCTION ASSOCIE, ET SEPARATEUR DE PILE A COMBUSTIBLE ET PILE A COMBUSTIBLE COMPORTANT LEDIT MATERIAU**

[72] TAKAHASHI, KAZUHIRO, JP
[72] KAGAWA, TAKU, JP
[72] KIMOTO, MASANARI, JP
[72] IMAMURA, JUNKO, JP
[72] TOKUNO, KIYONORI, JP
[72] KURODA, ATSUSHIKO, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2016-06-29
[86] 2015-01-22 (PCT/JP2015/051668)
[87] (WO2015/111653)
[30] JP (2014-009341) 2014-01-22

[11] **2,936,998**
[13] C

[51] **Int.Cl. A22B 3/02 (2006.01) A22B 3/00 (2006.01) A01K 29/00 (2006.01)**

[25] EN

[54] **STUNNER**

[54] **ETOURDISSEUR**

[72] JONES, ARTHUR, US
[72] JONES, TRENT, US
[73] JARVIS PRODUCTS CORPORATION, US
[86] (2936998)
[87] (2936998)
[22] 2016-07-22
[30] US (62/357,566) 2016-07-01
[30] US (15/211,524) 2016-07-15

[11] **2,937,285**
[13] C

[51] **Int.Cl. C12Q 1/18 (2006.01) C12Q 1/04 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **MASS SPECTROMETRIC MEASUREMENT OF MICROBIAL CULTURE MEDIUM COMPONENTS FOR DETERMINING ANTIBIOTIC RESISTANCE**

[54] **MESURE PAR SPECTROMETRE DE MASSE DE COMPOSANTES DE MILIEU DE CULTURE MICROBIENNE EN VUE DE DETERMINER LA RESISTANCE AUX ANTIBIOTIQUES**

[72] KOSTRZEWA, MARKUS, DE
[72] SPARBIER, KATRIN, DE
[73] BRUKER DALTONIK GMBH, DE
[85] 2016-07-14
[86] 2015-01-14 (PCT/EP2015/050526)
[87] (WO2015/107054)
[30] DE (10 2014 000 646.8) 2014-01-17

[11] **2,938,636**
[13] C

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/247 (2006.01)**

[25] EN

[54] **MULTIPLE WELL ELEVATED TEMPERATURE COLUMN FLOW TESTING**

[54] **ESSAI D'ECOULEMENT DE COLONNE A TEMPERATURE ELEVEE A MULTIPLES Puits**

[72] BURKS, JODY M., US
[72] RADHAKRISHNAN POTTU, AJISH SREENI, US
[72] LU, ZHENG, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-08-03
[86] 2014-08-20 (PCT/US2014/051893)
[87] (WO2015/147904)
[30] US (PCT/US2014/032262) 2014-03-28

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[11] **2,938,658**
[13] C

[51] **Int.Cl. B23K 9/10 (2006.01) H04W 12/06 (2009.01) H04W 12/08 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR WIRELESS CONTROL OF A WELDING POWER SUPPLY**
[54] **SYSTEMES ET PROCEDES DE COMMANDE SANS FIL D'UNE ALIMENTATION DE SOUDAGE**
[72] DENIS, MARC LEE, US
[72] PEOTTER, BENJAMIN G., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-08-03
[86] 2015-01-06 (PCT/US2015/010264)
[87] (WO2015/147957)
[30] US (14/229,312) 2014-03-28

[11] **2,939,460**
[13] C

[51] **Int.Cl. A61B 8/00 (2006.01) A61B 34/20 (2016.01) A01K 29/00 (2006.01) A61B 5/01 (2006.01) A61B 5/0402 (2006.01) A61B 6/12 (2006.01)**
[25] EN
[54] **INTEGRATED MULTI-RAIL IMAGING SYSTEM**
[54] **SYSTEME D'IMAGERIE A MULTI-RAILS INTEGRES**
[72] ZAN, LEO, CA
[72] MEHI, JAMES I., CA
[73] VISUALSONICS INC., CA
[86] (2939460)
[87] (2939460)
[22] 2003-10-10
[62] 2,501,609
[30] US (60/417,167) 2002-10-10
[30] US (60/417,185) 2002-10-10
[30] US (60/468,960) 2003-05-09
[30] US (60/468,959) 2003-05-09

[11] **2,940,612**
[13] C

[51] **Int.Cl. A24B 15/26 (2006.01)**
[25] EN
[54] **PRODUCING METHOD OF TOBACCO RAW MATERIAL**
[54] **METHODE DE PRODUCTION DE MATERIAU BRUT DE TABAC**
[72] FUJISAWA, YOSHINORI, JP
[72] AKIYAMA, TAKESHI, JP
[72] OSUGA, SHINYA, JP
[72] TAKEUCHI, MANABU, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2016-08-24
[86] 2014-10-24 (PCT/JP2014/078410)
[87] (WO2015/129098)
[30] JP (2014-035429) 2014-02-26
[30] JP (2014-035438) 2014-02-26

[11] **2,940,680**
[13] C

[51] **Int.Cl. A24B 15/26 (2006.01)**
[25] EN
[54] **EXTRACTION METHOD OF FLAVOR CONSTITUENT AND MANUFACTURING METHOD OF COMPOSITION ELEMENT OF FAVORITE ITEM**
[54] **PROCEDE D'EXTRACTION DE COMPOSANT D'AROME A FUMER ET PROCEDE DE FABRICATION DE COMPOSANT-CONSTITUANT DE PRODUIT ALIMENTAIRE DE LUXE**
[72] FUJISAWA, YOSHINORI, JP
[72] NAKANO, TAKUMA, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2016-08-24
[86] 2015-02-24 (PCT/JP2015/055208)
[87] (WO2015/129679)
[30] JP (2014-035429) 2014-02-26

[11] **2,940,690**
[13] C

[51] **Int.Cl. A24B 15/26 (2006.01)**
[25] EN
[54] **EXTRACTION METHOD OF FLAVOR CONSTITUENT AND MANUFACTURING METHOD OF COMPOSITION ELEMENT OF FAVORITE ITEM**
[54] **METHODE D'EXTRACTION DE CONSTITUANT D'AROME ET METHODE DE FABRICATION D'ELEMENT DE COMPOSITION D'ARTICLE FAVORI**
[72] FUJISAWA, YOSHINORI, JP
[72] NAKANO, TAKUMA, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2016-08-24
[86] 2015-02-24 (PCT/JP2015/055209)
[87] (WO2015/129680)
[30] JP (2014-035438) 2014-02-26

[11] **2,941,589**
[13] C

[51] **Int.Cl. A61B 5/151 (2006.01) B25G 1/10 (2006.01)**
[25] EN
[54] **LANCET DEVICE WITH REMOVABLE TAB MEMBER COMPRISING DEPENDENT SKIRT**
[54] **DISPOSITIF DE LANCETTE A ELEMENT D'ONGLET AMOVIBLE COMPORTANT UNE JUPETTE PENDANTE**
[72] WILKINSON, BRADLEY, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2941589)
[87] (2941589)
[22] 2005-11-09
[62] 2,589,380
[30] US (60/631,795) 2004-11-30
[30] US (60/631,846) 2004-11-30
[30] US (11/123,849) 2005-05-06

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[11] **2,941,996**
[13] C

[51] **Int.Cl. C08L 101/14 (2006.01) C08L 29/04 (2006.01) C08L 67/02 (2006.01) C08L 67/04 (2006.01) C08L 71/02 (2006.01) C09K 8/12 (2006.01) C09K 8/68 (2006.01) E21B 43/22 (2006.01)**

[25] EN

[54] **FORMED BODY OF RESIN TO BE THROWN INTO WATER**

[54] **CORPS DE RESINE FORME A JETER A L'EAU**

[72] YOSHIKAWA, SEISHI, JP
[72] KATAYAMA, TSUTAKI, JP
[73] TOYO SEIKAN GROUP HOLDINGS, LTD., JP

[85] 2016-09-08
[86] 2015-02-17 (PCT/JP2015/054292)
[87] (WO2015/137057)
[30] JP (2014-047570) 2014-03-11

[11] **2,942,421**
[13] C

[51] **Int.Cl. H04L 27/26 (2006.01)**

[25] EN

[54] **SIGNAL PROCESSING METHOD AND APPARATUS**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE SIGNAUX**

[72] HANG, HAICUN, CN
[72] WU, YE, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2016-09-12
[86] 2014-11-26 (PCT/CN2014/092245)
[87] (WO2015/135340)
[30] CN (201410095408.1) 2014-03-14

[11] **2,942,563**
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR INSTALLATION OF A REMOTELY MONITORED VENDING NETWORK**

[54] **SYSTEMES ET PROCEDES POUR L'INSTALLATION D'UN RESEAU DE VENTE SURVEILLE A DISTANCE**

[72] TREVINO, ALFONSO JAVIER BARRAGAN, MX
[72] CROW, JAMES J., US
[73] VENDWATCH TELEMATICS, LLC, US

[85] 2016-09-12
[86] 2015-03-23 (PCT/US2015/022083)
[87] (WO2015/148409)
[30] US (61/969,581) 2014-03-24

[11] **2,942,722**
[13] C

[51] **Int.Cl. C10M 143/06 (2006.01) C10M 143/02 (2006.01)**

[25] EN

[54] **ETHYLENE-ALPHA-OLEFIN COPOLYMERS AS VISCOSITY MODIFIERS**

[54] **COPOLYMERES D'ETHYLENE-ALPHA-OLEFINE COMME AGENTS MODIFIANT LA VISCOSITE**

[72] YAMAMOTO, ATSUSHI, JP
[72] SUZUKI, TERUFUMI, JP
[72] IDE, KENTA, JP
[72] HUANG, CHOR, US

[73] MITSUI CHEMICALS, INC., JP
[73] THE LUBRIZOL CORPORATION, US

[85] 2016-09-13
[86] 2015-03-27 (PCT/US2015/022926)
[87] (WO2015/148889)
[30] US (61/971,980) 2014-03-28

[11] **2,943,305**
[13] C

[51] **Int.Cl. H02J 7/14 (2006.01)**

[25] EN

[54] **BATTERY MANAGEMENT APPARATUS**

[54] **DISPOSITIF DE GESTION DE BATTERIE**

[72] YANG, ANTHONY AN-TAO, CN
[72] CHEN, GORDON CHING, CN
[73] ALEES ECO ARK (CAYMAN) CO. LTD., KY

[85] 2016-09-20
[86] 2015-03-20 (PCT/CN2015/074807)
[87] (WO2015/139664)
[30] US (61/968,848) 2014-03-21

[11] **2,944,313**
[13] C

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/06 (2006.01)**

[25] EN

[54] **REFERENCE DEVICE FOR SURGICAL NAVIGATION SYSTEM**

[54] **DISPOSITIF DE REFERENCE POUR SYSTEME DE NAVIGATION CHIRURGICALE**

[72] ROSSNER, HOLGER-CLAUS, DE
[73] IZI MEDICAL PRODUCTS, LLC, US

[85] 2016-09-28
[86] 2014-04-07 (PCT/IB2014/060500)
[87] (WO2015/150877)
[30] US (14/245,170) 2014-04-04

[11] **2,944,636**
[13] C

[51] **Int.Cl. H04R 1/22 (2006.01) A47G 1/02 (2006.01) F21V 33/00 (2006.01) H04B 1/06 (2006.01) H04R 5/02 (2006.01)**

[25] EN

[54] **LIGHTED MIRROR WITH SOUND SYSTEM**

[54] **MIROIR ILLUMINE EQUIPE D'UN SYSTEME AUDIO**

[72] BRANHAM, TONY J., US
[72] XIAO, DAVID, CN
[73] BRANHAM, TONY J., US
[73] XIAO, DAVID, CN

[86] (2944636)
[87] (2944636)
[22] 2016-10-07
[30] US (62/238,584) 2015-10-07

[11] **2,945,132**
[13] C

[51] **Int.Cl. H04L 27/34 (2006.01) H04L 1/00 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR USING A MODULATION AND CODING SCHEME FOR DOWNLINK TRANSMISSIONS**

[54] **TECHNIQUES POUR UTILISER UNE TECHNIQUE DE MODULATION ET DE CODAGE POUR DES TRANSMISSIONS EN LIAISON DESCENDANTE**

[72] DAVYDOV, ALEXEI, RU
[72] KWON, HWAN-JOON, US
[72] MOROZOV, GREGORY V., RU
[72] MALTSEV, ALEXANDER, RU
[73] INTEL CORPORATION, US

[85] 2016-10-05
[86] 2015-04-06 (PCT/US2015/024493)
[87] (WO2015/171234)
[30] US (61/990,639) 2014-05-08
[30] US (14/564,682) 2014-12-09

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[11] **2,949,588**
[13] C

[51] **Int.Cl. F16L 27/12 (2006.01) F16L 21/00 (2006.01) F16L 51/00 (2006.01)**

[25] EN
[54] **EXPANSION JOINT**
[54] **JOINT DE DILATATION**
[72] CHASE, RANDY L., US
[72] DOLE, DOUGLAS R., US
[72] THAU, LAWRENCE W., JR., US
[72] BIERY, WAYNE M., US
[72] MADARA, SCOTT D., US
[72] KUEHNER, RYAN D., US
[73] VICTAULIC COMPANY, US
[86] (2949588)
[87] (2949588)
[22] 2012-08-21
[62] 2,787,799
[30] US (61/525,987) 2011-08-22
[30] US (61/540,676) 2011-09-29
[30] US (61/588,429) 2012-01-19

[11] **2,950,599**
[13] C

[51] **Int.Cl. B32B 38/04 (2006.01) B26D 1/40 (2006.01) B26D 1/62 (2006.01) B26D 7/26 (2006.01) B26F 1/20 (2006.01)**

[25] EN
[54] **METHODS AND APPARATUS FOR ELASTIC DEACTIVATION IN A LAMINATE**
[54] **PROCEDES ET APPAREIL POUR DESACTIVATION ELASTIQUE DANS UN STRATIFIE**
[72] FERGUSON, RYAN, US
[72] FAUCHER, DENNIS, US
[72] ANDREWS, ROBERT E., US
[72] HOHM, GOTTFRIED J., US
[73] CURT G. JOA, INC., US
[85] 2016-11-28
[86] 2015-06-11 (PCT/US2015/035404)
[87] (WO2015/191904)
[30] US (62/010,758) 2014-06-11

[11] **2,950,708**
[13] C

[51] **Int.Cl. A23B 4/00 (2006.01) A23B 4/12 (2006.01) A23B 4/14 (2006.01) A23L 3/3481 (2006.01) A23L 3/3508 (2006.01) A23L 3/3544 (2006.01) B32B 27/18 (2006.01) B65D 85/50 (2006.01)**

[25] EN
[54] **MYOGLOBIN-CONTAINING FOOD FRESHNESS DETERIORATION SUPPRESSING MATERIAL AND USE THEREOF**
[54] **MATERIAU PERMETTANT D'INHIBER LA PERTE DE FRAICHEUR D'ALIMENTS CONTENANT DES MYOGLOBINES, ET SON UTILISATION**
[72] MICHIHATA, NAOKI, JP
[72] ISHIDA, SHINJI, JP
[72] TERADA, TAKENORI, JP
[72] TAKAHARA, ATSUSHI, JP
[72] ARIJI, MASAHIKO, JP
[73] SEKISUI PLASTICS CO., LTD., JP
[85] 2016-11-29
[86] 2015-05-27 (PCT/JP2015/065961)
[87] (WO2015/182791)
[30] JP (2014-113518) 2014-05-30

[11] **2,950,836**
[13] C

[51] **Int.Cl. D07B 1/00 (2006.01) D07B 7/00 (2006.01)**

[25] FR
[54] **METHOD FOR MANUFACTURING A CLOSED-LOOP CABLE BY SPLICING, CORRESPONDING CABLE AND USAGE THEREOF**
[54] **PROCEDE DE FABRICATION PAR EPISSURAGE D'UN CABLE EN BOUCLE FERMEE, CABLE CORRESPONDANT ET SON UTILISATION**
[72] COUTAZ, BENJAMIN, FR
[72] COURTEBRAS, MARC, FR
[72] BARON, PIERRE-FRANCOIS, FR
[73] ARCELORMITTAL WIRE FRANCE, FR
[86] (2950836)
[87] (2950836)
[22] 2012-08-03
[62] 2,880,834

[11] **2,951,433**
[13] C

[51] **Int.Cl. A61K 36/605 (2006.01) A61K 36/48 (2006.01) A61P 19/00 (2006.01) A61P 19/08 (2006.01) A61P 19/10 (2006.01)**

[25] EN
[54] **COMPOSITIONS AND METHODS FOR MANAGING OR IMPROVING BONE DISORDERS, CARTILAGE DISORDERS, OR BOTH**
[54] **COMPOSITIONS ET METHODES DE PRISE EN CHARGE OU D'ATTENUATION DE TROUBLES OSSEUX, DE TROUBLES DU CARTILAGE OU DES DEUX**
[72] BROWNELL, LIDIA ALFARO, US
[72] CHU, MIN, US
[72] HONG, MEI-FENG, US
[72] HYUN, EU-JIN, KR
[72] JIA, QI, US
[72] JIAO, PING, US
[72] KIM, HYUN-JIN, KR
[72] KIM, MI-RAN, KR
[72] KIM, TAE-WOO, KR
[72] LEE, YOUNG-CHUL, KR
[72] NAM, JEONG-BUM, KR
[72] YIMAM, MESFIN, US
[73] UNIGEN, INC., KR
[73] UNIGEN, INC., US
[85] 2016-12-06
[86] 2015-06-16 (PCT/US2015/036083)
[87] (WO2015/195701)
[30] US (62/012,958) 2014-06-16

[11] **2,952,076**
[13] C

[51] **Int.Cl. A61F 13/539 (2006.01) A61F 13/15 (2006.01) A61F 13/84 (2006.01) A61L 15/58 (2006.01) B32B 7/12 (2006.01)**

[25] EN
[54] **ABSORBENT ARTICLE WITH TACKIFIER-FREE ADHESIVE**
[54] **ARTICLE ABSORBANT DOTE D'UNE COLLE EXEMPT DE TACKIFIANT**
[72] BUNNELLE, WILLIAM L., US
[72] TURNER, ROBERT HAINES, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-12-12
[86] 2015-06-11 (PCT/US2015/035235)
[87] (WO2015/191802)
[30] US (14/302,725) 2014-06-12

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[11] **2,952,645**
[13] C

[51] **Int.Cl. A61F 2/50 (2006.01) A61F 2/60 (2006.01) A61F 5/00 (2006.01)**
[25] EN
[54] **EXOSKELETON AND METHOD OF USING THE SAME**
[54] **EXOSQUELETTE ET SON PROCEDE D'UTILISATION**
[72] BUJOLD, ALAIN, CA
[72] SHEITOYAN, JEAN-MARC, CA
[72] TREMBLAY, FRANCOIS, CA
[72] PAQUETTE, PATRICE, CA
[72] POHL, ALEKSANDER, CA
[72] FORGET, SIMON, CA
[72] OUANES, ANIS, CA
[72] VARY, ALAIN, CA
[73] MAWASHI PROTECTIVE CLOTHING INC., CA
[85] 2016-12-16
[86] 2015-06-18 (PCT/CA2015/050559)
[87] (WO2015/192240)
[30] US (62/013,722) 2014-06-18

[11] **2,953,002**
[13] C

[51] **Int.Cl. H04L 25/49 (2006.01)**
[25] EN
[54] **TRANSMITTER AND INTERFERENCE CANCELLATION METHOD**
[54] **EMETTEUR ET METHODE D'ANNULATION D'INTERFERENCE**
[72] XIE, HUAN, CN
[72] ZHOU, XIAOMIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2016-12-20
[86] 2014-08-01 (PCT/CN2014/083574)
[87] (WO2016/015342)

[11] **2,953,053**
[13] C

[51] **Int.Cl. A61K 8/06 (2006.01) A61K 8/02 (2006.01) A61K 8/73 (2006.01) A61K 8/891 (2006.01) A61K 8/92 (2006.01) A61Q 17/04 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **FINISHER COSMETIC COMPOSITION COMPRISING UV AGENT**
[54] **COMPOSITION DE FINITION COSMETIQUE RENFERMANT UN AGENT UV**
[72] JANSEN, JOSEPH HARRY, US
[72] TANNER, PAUL ROBERT, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-12-20
[86] 2015-07-24 (PCT/US2015/041886)
[87] (WO2016/018733)
[30] US (14/445,456) 2014-07-29

[11] **2,954,513**
[13] C

[51] **Int.Cl. B21B 37/48 (2006.01) B21B 38/06 (2006.01) B21B 39/08 (2006.01)**
[25] EN
[54] **PROCESS DAMPING OF SELF-EXCITED THIRD OCTAVE MILL VIBRATION**
[54] **PROCEDE D'AMORTISSEMENT DE VIBRATION DE LAMINOIR DE TIERS D'OCTAVE AUTO-EXCITEE**
[72] BROWN, RODGER, US
[72] SEIBERT, MATTHEW, US
[72] MILLER, DONALD L., US
[72] FAIRLIE, MATTHEW, CA
[72] GAENSBAUER, DAVID, US
[73] NOVELIS INC., US
[85] 2017-01-06
[86] 2015-07-15 (PCT/US2015/040561)
[87] (WO2016/011148)
[30] US (62/024,517) 2014-07-15

[11] **2,954,731**
[13] C

[51] **Int.Cl. E21B 17/10 (2006.01) E21B 17/22 (2006.01)**
[25] EN
[54] **COMPOSITE CENTRALIZER BLADE**
[54] **LAME DE CENTREUR COMPOSITE**
[72] GAO, BO, US
[72] BUDLER, NICHOLAS, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-01-10
[86] 2014-08-18 (PCT/US2014/051490)
[87] (WO2016/028260)

[11] **2,954,851**
[13] C

[51] **Int.Cl. G01R 27/02 (2006.01) H01M 8/04 (2016.01)**
[25] EN
[54] **APPARATUS FOR MEASURING AN IMPEDANCE OF FUEL CELL AND METHOD OF MEASURING AN IMPEDANCE OF FUEL CELL**
[54] **APPAREIL DE MESURE DE L'IMPEDANCE D'UNE PILE A COMBUSTIBLE ET METHODE DE MESURE D'UNE IMPEDANCE D'UNE PILE A COMBUSTIBLE**
[72] MATSUMOTO, MICHIIHIKO, JP
[72] AKASHI, KOTARO, JP
[72] KANEKO, YOHEI, JP
[72] SATO, MASASHI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-01-11
[86] 2014-07-11 (PCT/JP2014/068636)
[87] (WO2016/006116)

[11] **2,955,167**
[13] C

[51] **Int.Cl. B64C 1/00 (2006.01) B64C 27/04 (2006.01) F16B 9/00 (2006.01)**
[25] EN
[54] **A HELICOPTER WITH A FUSELAGE AND COMPOSITE TAIL BOOM**
[54] **UN HELICOPTERE DOTE D'UN FUSELAGE ET D'UNE POUTRE DE QUEUE EN COMPOSITE**
[72] FINK, AXEL, DE
[73] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[86] (2955167)
[87] (2955167)
[22] 2017-01-12
[30] EP (16400008.5) 2016-04-01

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[11] **2,955,789**
[13] C

[51] **Int.Cl. H05B 33/08 (2006.01) F21V 29/70 (2015.01) F21S 2/00 (2016.01) H05B 37/02 (2006.01)**

[25] EN

[54] **LIGHT EMITTING DIODE RETROFIT LAMP FOR HIGH INTENSITY DISCHARGE BALLAST**

[54] **LAMPE D'ADAPTATION A DIODE ELECTROLUMINESCENTE POUR BALLAST DE DECHARGE HAUTE INTENSITE**

[72] RAMAIAH, RAGHU, US
[72] CLYNNE, THOMAS, US
[72] DECOSTER, KYLE, US
[73] GE LIGHTING SOLUTIONS, LLC, US
[85] 2017-01-19
[86] 2015-07-29 (PCT/US2015/042649)
[87] (WO2016/019011)
[30] US (62/031,366) 2014-07-31
[30] US (14/807,114) 2015-07-23

[11] **2,958,628**
[13] C

[51] **Int.Cl. H01M 8/1004 (2016.01) H01M 8/1069 (2016.01)**

[25] EN

[54] **APPARATUS FOR MANUFACTURING MEMBRANE ELECTRODE ASSEMBLY**

[54] **APPAREIL DE FABRICATION D'UN DISPOSITIF D'ELECTRODE A MEMBRANE**

[72] TAKAGI, YOSHINORI, JP
[72] OMORI, MASAFUMI, JP
[73] SCREEN HOLDINGS CO., LTD., JP
[86] (2958628)
[87] (2958628)
[22] 2017-02-21
[30] JP (2016-030818) 2016-02-22

[11] **2,958,809**
[13] C

[51] **Int.Cl. B01D 53/62 (2006.01) B01D 53/14 (2006.01) B01D 53/73 (2006.01) B01D 53/78 (2006.01) B01D 53/79 (2006.01) B01D 53/96 (2006.01)**

[25] EN

[54] **CO2 RECOVERY DEVICE AND CO2 RECOVERY METHOD**

[54] **DISPOSITIF ET PROCEDE DE RECUPERATION DE CO2**

[72] TANAKA, HIROSHI, JP
[72] HIRATA, TAKUYA, JP
[72] YUKUMOTO, ATSUHIRO, JP
[72] OISHI, TSUYOSHI, JP
[72] ENDO, TAKAHIKO, JP
[72] TSUJUCHI, TATSUYA, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2017-02-21
[86] 2015-10-23 (PCT/JP2015/079935)
[87] (WO2016/072292)
[30] JP (2014-224255) 2014-11-04

[11] **2,961,224**
[13] C

[51] **Int.Cl. A61L 2/10 (2006.01) A23L 3/28 (2006.01) A61L 2/08 (2006.01) H05B 37/02 (2006.01)**

[25] EN

[54] **ROOM AND AREA DISINFECTION UTILIZING PULSED LIGHT WITH MODULATED POWER FLUX AND LIGHT SYSTEMS WITH VISIBLE LIGHT COMPENSATION BETWEEN PULSES**

[54] **DESINFECTION DE SALLE ET DE ZONE UTILISANT LA LUMIERE PULSEE AVEC FLUX DE PUISSANCE MODULEE ET SYSTEMES DE LUMIERE AVEC COMPENSATION DE LUMIERE VISIBLE ENTRE LES IMPULSIONS**

[72] STIBICH, MARK A., US
[72] DALE, CHARLES, US
[72] GUERRERO, EDWARD C., JR., US
[72] FROUTAN, PAUL P., US
[72] SIMMONS, SARAH E., US
[72] CIORNEIU, BORIS, US
[73] XENEX DISINFECTION SERVICES, LLC, US
[85] 2017-03-13
[86] 2015-09-18 (PCT/US2015/051010)
[87] (WO2016/044759)
[30] US (62/052,036) 2014-09-18

[11] **2,960,423**
[13] C

[51] **Int.Cl. H02J 7/00 (2006.01)**

[25] EN

[54] **CHARGING CIRCUIT AND MOBILE TERMINAL**

[54] **CIRCUIT DE CHARGE ET TERMINAL MOBILE**

[72] ZHANG, JIALIANG, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2017-03-07
[86] 2015-06-01 (PCT/CN2015/080499)
[87] (WO2016/192010)

[11] **2,960,716**
[13] C

[51] **Int.Cl. G06K 9/18 (2006.01)**

[25] EN

[54] **METHODS AND A SYSTEM FOR VERIFYING THE AUTHENTICITY OF A MARK**

[54] **PROCEDES ET SYSTEME DE VERIFICATION DE L'AUTHENTICITE D'UNE MARQUE**

[72] SOBORSKI, MICHAEL L., US
[73] SYS-TECH SOLUTIONS, INC., US
[85] 2017-03-08
[86] 2015-09-22 (PCT/US2015/051517)
[87] (WO2016/049062)
[30] US (62/053,905) 2014-09-23
[30] US (14/561,215) 2014-12-04

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[11] **2,962,441**
[13] C

[51] **Int.Cl. A61D 1/02 (2006.01) A01K 45/00 (2006.01) A61M 5/32 (2006.01) A61M 5/34 (2006.01)**

[25] EN

[54] **NEEDLE FOR DELIVERING TREATMENT FLUID TO AN AVIAN BIRD, AND ASSOCIATED ASSEMBLY AND METHOD**

[54] **AIGUILLE POUR ADMINISTRER UN FLUIDE DE TRAITEMENT A UN OISEAU AVIAIRE, ET ENSEMBLE ET PROCEDE ASSOCIES**

[72] SAMSON, WILLIAM DOUGLAS, US

[73] ZOETIS SERVICES LLC, US

[85] 2017-03-23

[86] 2015-10-01 (PCT/US2015/053411)

[87] (WO2016/057297)

[30] US (62/061,835) 2014-10-09

[11] **2,963,386**
[13] C

[51] **Int.Cl. E21B 17/00 (2006.01) E21B 23/00 (2006.01)**

[25] EN

[54] **WELL TOOL WITH INDEXING DEVICE**

[54] **OUTIL DE PUIITS DOTE DE DISPOSITIF D'INDEXATION**

[72] WATSON, BROCK W., US

[73] THRU TUBING SOLUTIONS, INC., US

[85] 2017-03-31

[86] 2014-10-28 (PCT/US2014/062651)

[87] (WO2016/068882)

[11] **2,965,549**
[13] C

[51] **Int.Cl. F26B 15/18 (2006.01) F26B 21/14 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR USING EXCESS HEAT FROM POWER PLANT FLUE GAS TO DRY BIOMASS FUEL**

[54] **PROCEDE ET APPAREIL POUR UTILISER UN EXCES DE CHALEUR PROVENANT DE GAZ DE COMBUSTION DE CENTRALE ELECTRIQUE POUR SECHER UN CARBURANT DE BIOMASSE**

[72] CHEN, YILONG, CN

[72] HU, SHUCHUAN, CN

[72] ZHANG, YANFENG, CN

[73] ZHONGYING CHANGJIANG INTERNATIONAL NEW ENERGY INVESTMENT CO., LTD., CN

[85] 2017-04-24

[86] 2015-10-22 (PCT/CN2015/092501)

[87] (WO2016/062256)

[30] CN (201410578212.8) 2014-10-24

[11] **2,965,638**
[13] C

[51] **Int.Cl. D01C 1/00 (2006.01) A01G 9/02 (2018.01) A01G 23/04 (2006.01) B27N 5/00 (2006.01) B65D 65/38 (2006.01) D21H 11/12 (2006.01)**

[25] EN

[54] **COIR FIBRE INSULATING PRODUCT AND CONTAINER**

[54] **PRODUIT D'ISOLATION A LA FIBRE DE COCO ET CONTENANT**

[72] OUELLET, JEAN MARC, CA

[72] SURIYAMPOLA, YOHAN, CA

[73] OUELLET, JEAN MARC, CA

[73] SURIYAMPOLA, YOHAN, CA

[86] (2965638)

[87] (2965638)

[22] 2008-12-24

[62] 2,647,918

[30] US (61/016,860) 2007-12-27

[11] **2,966,388**
[13] C

[51] **Int.Cl. G06Q 50/10 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GENERATING DYNAMIC USER EXPERIENCE**

[54] **PROCEDE ET SYSTEME DE GENERATION D'EXPERIENCE UTILISATEUR DYNAMIQUE**

[72] YU, JAY JIEBING, US

[72] SIVERTSON, MATTHEW, US

[72] WANG, GANG, US

[72] KUMAR, VINAY, US

[72] WEBER, JEFFREY, US

[72] BERAN, BOJAN, US

[73] INTUIT INC., US

[85] 2017-04-28

[86] 2014-12-29 (PCT/US2014/072543)

[87] (WO2016/085526)

[30] US (14/555,486) 2014-11-26

[11] **2,968,441**
[13] C

[51] **Int.Cl. F17C 5/00 (2006.01) F17C 13/00 (2006.01)**

[25] EN

[54] **TRANSFER OF NATURAL GAS DIRECT FROM A PIPELINE TO LIQUID STORAGE**

[54] **TRANSFERT DE GAZ NATUREL DIRECTEMENT D'UN PIPELINE VERS UN ENTREPOT DE LIQUIDE**

[72] MORRIS, IAN, CA

[72] HOLMAN, DAWN MARIE, CA

[73] MATRIX LNG CORP., CA

[86] (2968441)

[87] (2968441)

[22] 2017-05-26

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[11] **2,970,333**
[13] C

[51] **Int.Cl. C08G 65/332 (2006.01) A61L 15/00 (2006.01) A61L 27/00 (2006.01) A61L 31/00 (2006.01) A61P 41/00 (2006.01) C08G 81/00 (2006.01) C08J 5/18 (2006.01)**

[25] EN

[54] **POLYMER FILM AND ANTIADHESIVE MATERIAL USING THE SAME**

[54] **FILM POLYMERE ET MATERIAU ANTI-ADHESIF LE CONTENANT**

[72] SAITO, AKIHIRO, JP
[72] ARAKANE, TORU, JP
[72] TANAHASHI, KAZUHIRO, JP
[72] OKABAYASHI, KOJI, JP
[72] TAKEOKA, SHINJI, JP
[72] FUJIE, TOSHINORI, JP
[72] SUZUKI, SHOICHIRO, JP
[72] MURATA, ATSUSHI, JP
[72] OTSUBO, SHINYA, JP
[73] TORAY INDUSTRIES, INC., JP
[73] NANOTHETA CO, LTD., JP
[85] 2017-06-09
[86] 2016-06-17 (PCT/JP2016/068073)
[87] (WO2016/204266)
[30] JP (2015-123855) 2015-06-19

[11] **2,973,397**
[13] C

[51] **Int.Cl. B62D 25/08 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MOUNTING FRONT END MODULE**

[54] **METHODE ET APPAREIL D'INSTALLATION D'UN MODULE D'EXTREMITE AVANT**

[72] NANBA, NOBUHIRO, JP
[72] YOSHIMOTO, HITOE, JP
[72] KIMURA, HIROFUMI, JP
[73] HONDA MOTOR CO.,LTD., JP
[86] (2973397)
[87] (2973397)
[22] 2017-07-13
[30] JP (2016-140479) 2016-07-15

[11] **2,973,911**
[13] C

[51] **Int.Cl. B29D 35/12 (2010.01) A43B 5/16 (2006.01) A63C 1/00 (2006.01) A63C 1/42 (2006.01)**

[25] EN

[54] **GRAPHICAL ELEMENT LAMINATE FOR USE IN FORMING A SKATE BOOT**

[54] **LAMELLE A ELEMENT GRAPHIQUE DESTINE A FORMER UNE BOTTINE DE PATIN**

[72] KOYESS, PHILIPPE, CA
[72] DEKOOS, DAVID, US
[73] SPORT MASKA INC., CA
[86] (2973911)
[87] (2973911)
[22] 2010-05-06
[62] 2,937,393
[30] US (61/177,621) 2009-05-12

[11] **2,974,098**
[13] C

[51] **Int.Cl. B29D 7/01 (2006.01) B28B 11/24 (2006.01) B32B 3/10 (2006.01) B32B 23/00 (2006.01) B32B 23/02 (2006.01) B32B 37/06 (2006.01) B32B 37/10 (2006.01) B32B 37/14 (2006.01)**

[25] EN

[54] **CONCRETE CURING BLANKET AND METHOD**

[54] **BACHE DE DURCISSEMENT DE BETON ET PROCEDE ASSOCIE**

[72] RICHARDS, RANDALL C., US
[72] CROWEL, GARY M., US
[73] RAMSHORN CORPORATION, US
[85] 2017-07-17
[86] 2015-12-31 (PCT/US2015/068312)
[87] (WO2016/122831)
[30] US (62/110,526) 2015-01-31
[30] US (14/709,747) 2015-05-12

[11] **2,978,106**
[13] C

[51] **Int.Cl. H02K 1/22 (2006.01) F16B 39/24 (2006.01)**

[25] EN

[54] **ROTARY ELECTRIC ROTOR AND METHOD OF MANUFACTURING ROTARY ELECTRIC ROTOR**

[54] **ROTOR ELECTRIQUE ROTATIF ET METHODE DE FABRICATION D'UN ROTOR ELECTRIQUE ROTATIF**

[72] TAKEUCHI, YUSHI, JP
[72] FUBUKI, SHINGO, JP
[72] KINOSHITA, YASUO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2978106)
[87] (2978106)
[22] 2017-09-01
[30] JP (2016-175126) 2016-09-08

[11] **2,979,140**
[13] C

[51] **Int.Cl. F21V 21/30 (2006.01) F21V 21/02 (2006.01) F21V 21/14 (2006.01) F21K 9/00 (2016.01)**

[25] EN

[54] **LIGHTING FIXTURE MOUNTING SYSTEMS**

[54] **MECANISMES D'INSTALLATION D'APPAREIL D'ECLAIRAGE**

[72] HALLIWELL, BRIAN, US
[73] FEIT ELECTRIC COMPANY, INC., US
[86] (2979140)
[87] (2979140)
[22] 2017-09-14
[30] US (15/295,519) 2016-10-17

[11] **2,979,162**
[13] C

[51] **Int.Cl. H01R 25/16 (2006.01) H01R 13/502 (2006.01)**

[25] EN

[54] **FOLDABLE POWER STRIP**

[54] **BARRE D'ALIMENTATION PLIANTE**

[72] IRBE, TRISHA, US
[72] SABATO, DANIEL, US
[72] KU, SHIAO-TSUN, US
[73] COLEMAN CABLE, LLC, US
[86] (2979162)
[87] (2979162)
[22] 2017-09-14
[30] US (15/268,103) 2016-09-16

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[11] **2,981,619**
[13] C

[51] **Int.Cl. E21B 43/241 (2006.01) C09K 8/58 (2006.01) C09K 8/592 (2006.01) E21B 43/40 (2006.01)**
[25] EN
[54] **OPTIMIZATION OF SOLVENT SELECTION IN A SOLVENT-BASED OIL RECOVERY PROCESS**
[54] **OPTIMISATION DE SELECTION DE SOLVANT DANS UN PROCEDE DE RECUPERATION DE SOLVANT A BASE D'HUILE**
[72] MOTAHHARI, HAMED R., CA
[72] KHALEDI, RAHMAN, CA
[72] SABER, NIMA, CA
[72] FARSHIDI, FOROUGH, CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (2981619)
[87] (2981619)
[22] 2017-10-05

[11] **2,983,541**
[13] C

[51] **Int.Cl. E21B 47/047 (2012.01) E21B 47/103 (2012.01) E21B 47/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC LIQUID LEVEL MONITORING AND CONTROL**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE ET CONTROLE DYNAMIQUES DE NIVEAU DE LIQUIDE**
[72] DORAISWAMY, SRIRAM, US
[72] LONG, TED A., US
[72] ADAIR, NEAL L., CA
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (2983541)
[87] (2983541)
[22] 2017-10-24

[11] **2,986,881**
[13] C

[51] **Int.Cl. B25J 19/06 (2006.01)**
[25] EN
[54] **FAILURE DIAGNOSIS DEVICE AND FAILURE DIAGNOSIS METHOD**
[54] **DISPOSITIF DE DIAGNOSTIC DE DEFAILLANCE ET PROCEDE DE DIAGNOSTIC DE DEFAILLANCE**
[72] KUNO, MASAKI, JP
[72] URAKAWA, TOSHIMICHI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-11-22
[86] 2015-05-22 (PCT/JP2015/064742)
[87] (WO2016/189584)

[11] **2,987,885**
[13] C

[51] **Int.Cl. H01M 8/02 (2016.01) H01M 8/0202 (2016.01) H01M 8/0271 (2016.01) H01M 8/10 (2016.01)**
[25] EN
[54] **FUEL CELL METAL SEPARATOR STRUCTURE, FUEL CELL USING THE SEPARATOR STRUCTURE AND FUEL CELL STACK**
[54] **CORPS DE STRUCTURE DE SEPARATEUR METALLIQUE POUR UNE PILE A COMBUSTIBLE, PILE A COMBUSTIBLE ET EMPILEMENT DE PILES A COMBUSTIBLE UTILISANT CE MEME CORPS DE STRUCTURE DE SEPARATEUR**
[72] OKU, TAKANORI, JP
[72] KUWATA, SHIGEMASA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2017-11-30
[86] 2016-06-02 (PCT/JP2016/066497)
[87] (WO2016/195045)
[30] JP (2015-113077) 2015-06-03

[11] **2,992,106**
[13] C

[51] **Int.Cl. G09B 9/04 (2006.01)**
[25] EN
[54] **SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION**
[72] ENRIQUE, MAR, US
[73] ADVANCED TRAINING SYSTEMS, LLC, US
[85] 2018-01-10
[86] 2016-07-01 (PCT/US2016/040703)
[87] (WO2017/004520)
[30] US (14/790,460) 2015-07-02

[11] **2,988,539**
[13] C

[51] **Int.Cl. B65D 81/36 (2006.01)**
[25] EN
[54] **PROCESS FOR UTILIZING DUAL USE PACKAGING FOR A FISH-RELATED PRODUCT**
[54] **PROCEDE D'UTILISATION D'UN EMBALLAGE DOUBLE USAGE POUR UN PRODUIT EN RAPPORT AVEC DES POISSONS**
[72] EDWARDS, SHAUN, US
[73] EDWARDS, SHAUN, US
[85] 2017-12-06
[86] 2015-07-29 (PCT/US2015/042730)
[87] (WO2017/011020)
[30] US (14/798,950) 2015-07-14

[11] **2,992,051**
[13] C

[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **RECONSTRUCTING AUDIO SIGNALS WITH MULTIPLE DECORRELATION TECHNIQUES AND DIFFERENTIALLY CODED PARAMETERS**
[54] **RECONSTRUCTION DE SIGNAUX AUDIO AU MOYEN DE TECHNIQUES DE DECORRELATION MULTIPLES ET DE PARAMETRES CODES DE MANIERE DIFFERENTIELLE**
[72] DAVIS, MARK FRANKLIN, US
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
[86] (2992051)
[87] (2992051)
[22] 2005-02-28
[62] 2,917,518
[30] US (60/549368) 2004-03-01
[30] US (60/579974) 2004-06-14
[30] US (60/588256) 2004-07-14

[11] **2,992,106**
[13] C

[51] **Int.Cl. G09B 9/04 (2006.01)**
[25] EN
[54] **SIMULATION DEVICE**
[54] **DISPOSITIF DE SIMULATION**
[72] ENRIQUE, MAR, US
[73] ADVANCED TRAINING SYSTEMS, LLC, US
[85] 2018-01-10
[86] 2016-07-01 (PCT/US2016/040703)
[87] (WO2017/004520)
[30] US (14/790,460) 2015-07-02

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[13] C

[51] **Int.Cl. H01B 11/08 (2006.01) H01B 7/17 (2006.01)**
[25] EN
[54] **CABLE JACKET WITH EMBEDDED SHIELD AND METHOD FOR MAKING THE SAME**
[54] **CHEMISE DE CABLE COMPRENANT UN BLINDAGE INCORPORE ET PROCEDE POUR SA REALISATION**
[72] KENNY, ROBERT D., US
[72] FAUSZ, DAVID M., US
[72] CAMP, DAVID P., II, US
[73] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[86] (2992227)
[87] (2992227)
[22] 2012-05-08
[62] 2,837,182
[30] US (13/157,492) 2011-06-10

[11] **2,994,889**
[13] C

[51] **Int.Cl. G01F 23/02 (2006.01) F15D 1/02 (2006.01) G01N 1/00 (2006.01) G01N 1/02 (2006.01) G01N 1/10 (2006.01) G01N 21/66 (2006.01) G01N 21/76 (2006.01) G01N 27/403 (2006.01) G01N 33/48 (2006.01) G01N 33/569 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **ASSAY CARTRIDGES AND METHODS OF USING THE SAME**
[54] **CARTOUCHES D'ANALYSE ET LEURS PROCEDES D'UTILISATION**
[72] ANDERSON, NICHOLAS, US
[72] DEBAD, JEFFERY, US
[72] GLEZER, ELI N., US
[72] KUMAR, SUDEEP, US
[72] LAWRENCE, NOEL, US
[72] PAGE, KENNETH, US
[72] SIGAL, GEORGE, US
[72] WEST, SHARON, US
[73] MESO SCALE TECHNOLOGIES, LLC, US
[86] (2994889)
[87] (2994889)
[22] 2010-12-03
[62] 2,782,694
[30] US (61/283,677) 2009-12-07
[30] US (61/283,927) 2009-12-10
[30] US (61/284,276) 2009-12-16

[11] **2,996,714**
[13] C

[51] **Int.Cl. G06F 16/27 (2019.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR A DISTRIBUTED DATABASE WITHIN A NETWORK**
[54] **PROCEDES ET APPAREIL POUR UNE BASE DE DONNEES DISTRIBUEE DANS UN RESEAU**
[72] BAIRD, LEEMON C., III, US
[73] SWIRLDS, INC., US
[85] 2018-02-23
[86] 2016-08-26 (PCT/US2016/049067)
[87] (WO2017/040313)
[30] US (62/211,411) 2015-08-28
[30] US (14/988,873) 2016-01-06
[30] US (15/153,011) 2016-05-12
[30] US (62/344,682) 2016-06-02
[30] US (15/205,688) 2016-07-08

[11] **2,997,092**
[13] C

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[54] **SUBTERRANEAN PUMP WITH PUMP CLEANING MODE**
[54] **POMPE SOUTERRAINE AVEC MODE DE NETTOYAGE DE POMPE**
[72] PETERSON, RONALD G., US
[72] BENDER, JONATHAN D., US
[73] UNICO, INC., US
[86] (2997092)
[87] (2997092)
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[54] **END EFFECTOR JOYSTICK FOR A POSITIONING DEVICE**
[54] **MANETTE DE COMMANDE D'EFFECTEUR TERMINAL POUR UN DISPOSITIF DE POSITIONNEMENT**
[72] BAILEY, BRENT ANDREW, CA
[73] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-03-06
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[25] EN
[54] **STEADY RATIO FOUR-BAR LINKAGE FOR GENUFLECTIVE ENERGY HARVESTING**
[54] **LIAISON A QUATRE BARRES A RAPPORT STABLE POUR LA COLLECTE D'ENERGIE DE FLEXION DU GENOU**
[72] BILLINGS, JOHN SCOTT, CA
[73] BIONIC POWER INC., CA
[85] 2018-03-22
[86] 2016-10-07 (PCT/CA2016/051181)
[87] (WO2017/197480)
[30] US (14/882,855) 2015-10-14

[11] **3,000,508**
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[54] **CONTROL CHANNEL CONFIGURATION IN PARTIAL AND FULL SUBFRAMES**
[54] **CONFIGURATION DE CANAL DE COMMANDE DANS DES SOUS-TRAMES PARTIELLES ET COMPLETEES**
[72] DINAN, ESMAEL HEJAZI, US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
[85] 2018-03-28
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[54] **EDGE PROFILE FOR A SHEET-LIKE MATERIAL, AND SHEET-LIKE MATERIAL**

[54] **PROFILE D'ARETE POUR MATERIAU EN FORME DE PLAQUE ET MATERIAU EN FORME DE PLAQUE**

[72] STREICHARDT, THOMAS, DE

[73] FRITZ EGGER GMBH & CO. OG, AT

[85] 2018-04-20

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[54] **APPARATUS AND SYSTEMS FOR AIR-BORNE CLEANING OF SURFACES**

[54] **APPAREIL ET SYSTEMES DE NETTOYAGE AERIEN DE SURFACES**

[72] BAILEY, KYLE, US

[72] WOOD, RYAN, US

[73] NUVINAIR, LLC, US

[85] 2018-04-24

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[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**

[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**

[72] MULDER, IMKE ELISABETH, GB

[72] HOLT, AMY BETH, GB

[72] PANZICA, DOMENICO, GB

[72] MCCLUSKEY, SEANIN MARIE, GB

[73] 4D PHARMA RESEARCH LIMITED, GB

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[86] 2016-11-21 (PCT/GB2016/053622)

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[25] EN

[54] **DUAL CHAMBER SYSTEM AND METHOD TO GENERATE STEAM FOR CALIBRATION**

[54] **SYSTEME A DOUBLE CHAMBRE ET PROCEDE DE GENERATION DE VAPEUR DESTINEE A UN ETALONNAGE**

[72] AGAR, JORAM, KY

[72] FARCHY, DAVID, US

[73] AGAR CORPORATION LTD., KY

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[54] **PROPELLER ALIGNMENT DEVICES**

[54] **DISPOSITIFS D'ALIGNEMENT D'HELICE**

[72] ERDOZAIN, JACK, JR., US

[72] LEGRAND, LOUIS LEROI, III, US

[72] TRAUBE, JOSHUA WHITE, US

[73] AMAZON TECHNOLOGIES, INC., US

[85] 2018-06-11

[86] 2016-12-07 (PCT/US2016/065442)

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[25] EN

[54] **MULTI-ROPE COOPERATIVE CONTROL SYSTEM TESTBED OF ULTRADEEP MINE HOIST**

[54] **BANC D'ESSAI DE SYSTEME DE COMMANDE COOPERATIVE A CABLES MULTIPLES D'UN TREUIL DE MINE ULTRA-PROFONDE**

[72] SHEN, GANG, CN

[72] ZHU, ZHENCAI, CN

[72] LI, XIANG, CN

[72] LI, GE, CN

[72] LIU, SONGYONG, CN

[72] CAO, GUOHUA, CN

[72] PENG, YUXING, CN

[72] LI, WEI, CN

[72] ZHOU, GONGBO, CN

[72] LU, HAO, CN

[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN

[85] 2018-06-14

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[54] **COMMUNICATION VIDEO A BUS PERIPHERIQUE AU MOYEN DE PROTOCOLE INTERNET**

[72] PRING, RYAN, US

[73] QSC, LLC, US

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[25] EN

[54] **WINDOW MAINFRAME COMPONENT FOR EMERGENCY ESCAPE AND RESCUE OPENING WINDOWS**

[54] **COMPOSANT DE CADRE PRINCIPAL DE FENETRE POUR FENETRES A OUVERTURE D'EVACUATION D'URGENCE ET DE SECOURS**

[72] GILKEY, MICHAEL, US

[73] GILKEY WINDOW COMPANY, US

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[25] EN

[54] **SOFTWARE DEFINED NETWORK (SDN) QUALITY-OF-SERVICE (QOS)**

[54] **QUALITE DE SERVICE (QOS) DE RESEAU DEFINI PAR LOGICIEL (SDN)**

[72] BALMAKHTAR, MAROUANE, US

[72] RAJAGOPAL, ARUN, US

[73] SPRINT COMMUNICATIONS COMPANY L.P., US

[85] 2018-08-24

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[54] **COMPOSITIONS, KITS AND METHODS FOR MAINTAINING EYELID HYGIENE**

[54] **COMPOSITIONS, TROUSSES ET PROCÉDES POUR MAINTENIR L'HYGIENE DES PAUPIERES**

[72] ADKINS, NAT, JR., US

[72] BARRATT, CYNTHIA, US

[73] OCUSOFT, INC., US

[85] 2018-09-14

[86] 2016-04-04 (PCT/US2016/025908)

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[25] EN

[54] **WELLBORE FLOW DIVERSION TOOL UTILIZING TORTUOUS PATHS IN BOW SPRING CENTRALIZER STRUCTURE**

[54] **OUTIL DE DEVIATION D'ECOULEMENT EN PUIITS DE FORAGE UTILISANT DES CHEMINEMENTS SINUEUX DANS UNE STRUCTURE DE CENTREUR A RESSORTS ARQUES**

[72] WILLIAMSON, SCOTT EARL, US

[72] DEDMAN, MICHAEL R., US

[73] KLX ENERGY SERVICES LLC, US

[85] 2018-08-10

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[13] C

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[25] EN

[54] **PROXY MOBILE INTERNET PROTOCOL (PMIP) TUNNEL SELECTION BY A WIRELESS RELAY IN A DATA COMMUNICATION NETWORK**

[54] **SELECTION DE TUNNEL DE PROTOCOLE INTERNET MOBILE MANDATAIRE (PMIP) PAR UN RELAIS SANS FIL DANS UN RESEAU DE COMMUNICATION DE DONNEES**

[72] FANG, ZHENG, US

[73] SPRINT COMMUNICATIONS COMPANY L.P., US

[85] 2018-09-07

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[87] (WO2017/155922)

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[54] **RADAR APPARATUS**

[54] **DISPOSITIF DE RADAR**

[72] TAKAHASHI, RYUHEI, JP

[72] TAKAHASHI, TORU, JP

[73] MITSUBISHI ELECTRIC CORPORATION, JP

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[25] EN
[54] **PRODUCTION OF DIESEL FROM CELLULOSIC BIOMASS**
[54] **PRODUCTION DE DIESEL A PARTIR DE BIOMASSE CELLULOSIQUE**
[72] MILOSEVIC, VESELIN, CA
[71] CELLUFUEL INC., CA
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[54] **OCEAN POWERED RANKINE CYCLE TURBINE**
[54] **TURBINE A CYCLE RANKINE ALIMENTEE PAR L'OCEAN**
[72] MATEL, JIM, CA
[72] GOLDSWORTHY, JASON, CA
[71] AOE ACCUMULATED OCEAN ENERGY INC., CA
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[51] **Int.Cl. A01C 11/00 (2006.01) A01C 7/00 (2006.01)**
[25] EN
[54] **PLANTER FOR RHIZOMES AND THE LIKE**
[54] **BAC DE PLANTATION DE RHIZOMES ET AUTRES SEMBLABLES**
[72] FULGHUM, MICHAEL E., US
[72] FAZIO, THOMAS L., US
[72] SPELL, CURTIS J., US
[72] SAWYER, TOMMY L., US
[72] HEDRICK, WILLIAM T., US
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[54] **PROCESSOR FOR RHIZOMES AND THE LIKE**
[54] **APPAREIL DE TRAITEMENT DE RHIZOMES ET AUTRES SEMBLABLES**
[72] FULGHUM, MICHAEL E., US
[72] FAZIO, THOMAS L., US
[71] AGGROW TECH, LLC., US
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[25] EN
[54] **DIGGER FOR RHIZOMES AND THE LIKE**
[54] **RECOLTEUSE DE RHIZOMES ET AUTRES SEMBLABLES**
[72] FULGHUM, MICHAEL E., US
[72] FAZIO, THOMAS L., US
[72] HEDRICK, WILLIAM T., US
[71] AGGROW TECH, LLC., US
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[25] EN
[54] **POLARIZATION DIELECTRIC DISCHARGE SOURCE FOR IMS INSTRUMENT**
[54] **SOURCE DE DECHARGE DIELECTRIQUE DE POLARISATION DESTINEE A UN INSTRUMENT IM**
[72] NACSON, SABATINO, CA
[71] TEKNOSCAN SYSTEMS INC., CA
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[13] A1
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[25] EN
[54] **SUMP PIT HAVING DISASSEMBLABLE UPPER AND LOWER TANK PORTIONS**
[54] **FOSSE DE PUISARD COMPORTANT DES PORTIONS DE RESERVOIR SUPERIEURE ET INFERIEURE POUVANT ETRE DESASSEMBLEES**
[72] MCDUFFE, WILLIAM, CA
[71] MCDUFFE, WILLIAM, CA
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[54] **FLYING INSECT TRAP**
[54] **PIEGE A INSECTES VOLANTS**
[72] MAILLEUX, ANNE-CATHERINE, BE
[72] CLOTUCHE, GWENDOLINE, BE
[71] DOMOBIOS, BE
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[13] A1
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[25] EN
[54] **TURNING WASTE WATER FROM THE ST. LAWRENCE RIVER INTO A VIABLE SOURCE OF EXPORTED CLEAN WATER**
[54] **TRANSFORMER LES EAUX USEES DU FLEUVE SAINT-LAURENT EN SOURCE VIABLE D'EAU PROPRE EXPORTEE**
[72] SVATAC, I. CEMIL, CA
[71] SVATAC, I. CEMIL, CA
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[54] **INSULATED PANEL**
[54] **PANNEAU ISOLE**
[72] BOSSE, FRANCIS, CA
[71] BUILDING PRODUCTS OF CANADA CORP./LA CIE MATERIAUX DE CONSTRUCTION BP CANADA, CA
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[41] 2019-01-10

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[13] A1

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[25] EN
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[54] **LE SOUTIEN-GORGE CAMISOLE DIGNITE**
[72] LESLIE, MAUREEN E., CA
[71] LESLIE, MAUREEN E., CA
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[21] **2,972,842**
[13] A1

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[25] EN
[54] **FEPS (FLEXION EXTENSION PRONATION SUPINATION) DEVICES AND METHODS OF USE**
[54] **DISPOSITIFS FEPS (FLEXION EXTENSION PRONATION SUPINATION) ET METHODES D'UTILISATION**
[72] SHORT, DARRYL, CA
[72] DEJONG, DAVID, CA
[72] LEES-MILLER, SARAH, CA
[71] KARMA MACHINING & MANUFACTURING LTD., CA
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[25] EN
[54] **SYSTEM AND METHOD FOR INDICATING DATA TRANSFER METHOD SELECTION**
[54] **SYSTEME ET METHODE D'INDICATION DE SELECTION DE METHODE DE TRANSFERT DE DONNEES**
[72] BLOY, ADRIAN, CA
[72] FORGET, SEBASTIEN, CA
[72] VEKEMAN, RYAN EDMUND, CA
[72] CHAN, CONNIE MAUN-FONG, CA
[72] LAM TIN CHEUNG, DANIEL, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG-SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **SHOE ACCESSORY TO REDUCE FRICTION FOR ATHLETIC TRAINING**
[54] **ACCESSOIRE DE CHAUSSURE SERVANT A REDUIRE LA FRICTION LORS D'ENTRAINEMENT SPORTIF**
[72] MIYATA, POMAİKAI, US
[71] MIYATA, POMAİKAI, US
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[41] 2019-01-12

[21] **2,973,015**
[13] A1

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[54] **COLLAPSIBLE, 24 UNIT PLASTIC CARRYING CASE**
[54] **BOITIER DE TRANSPORTECRASABLE DE 24 UNITES EN PLASTIQUE**
[72] LAPOINTE, MICHEL, CA
[71] LAPOINTE, MICHEL, CA
[22] 2017-07-12
[41] 2019-01-12

[21] **2,973,016**
[13] A1

[51] **Int.Cl. F16M 13/00 (2006.01) A47G 1/16 (2006.01) G06F 1/16 (2006.01)**
[25] EN
[54] **PORTABLE DEVICE SUPPORT SYSTEM AND METHOD**
[54] **METHODE ET SYSTEME DE SUPPORT D'APPAREIL PORTATIF**
[72] DON, JOAN, CA
[71] DON, JOAN, CA
[22] 2017-07-12
[41] 2019-01-11
[30] US (15647227) 2017-07-11

[21] **2,973,029**
[13] A1

[51] **Int.Cl. A47B 81/00 (2006.01) A47B 61/00 (2006.01) B62H 3/00 (2006.01)**
[25] EN
[54] **BICYCLE STORAGE ARMOIRE AND DRESSING ROOM**
[54] **ARMOIRE DE RANGEMENT DE VELO ET CABINE D'ESSAYAGE**
[72] MAHONY, PATRICK, CA
[71] MAHONY, PATRICK, CA
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[13] A1

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[25] EN
[54] **BEE HYDRATION STATION**
[54] **STATION D'HYDRATATION D'ABEILLES**
[72] COYNE, TRACIE, CA
[72] HOFFELE, DEBBIE, CA
[72] BILSBOROUGH, VANESSA, CA
[72] CHEUNG, JACOB, CA
[72] COYNE, CRYSTAL, CA
[72] DEFAZIO, MASON, CA
[72] RUBINO, ALEXANDER, CA
[72] SCHAEFER, LAURA, CA
[72] SCHAEFER, SARAH, CA
[71] COYNE, TRACIE, CA
[71] HOFFELE, DEBBIE, CA
[71] BILSBOROUGH, VANESSA, CA
[71] CHEUNG, JACOB, CA
[71] COYNE, CRYSTAL, CA
[71] DEFAZIO, MASON, CA
[71] RUBINO, ALEXANDER, CA
[71] SCHAEFER, LAURA, CA
[71] SCHAEFER, SARAH, CA
[22] 2017-07-12
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[13] A1

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[25] FR
[54] **MIRACLE SOLUTION FOR SAVING PLANET EARTH**
[54] **SOLUTION MIRACLE POUR SAUVER LA PLANETE TERRE**
[72] FORGET, PIERRE, CA
[71] FORGET, PIERRE, CA
[22] 2017-07-12
[41] 2019-01-12

[21] **2,973,420**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 9/00 (2006.01) A61K 31/045 (2006.01) A61K 31/14 (2006.01) A61K 31/573 (2006.01) A61K 31/60 (2006.01) A61K 33/22 (2006.01) A61P 27/16 (2006.01)**
[25] FR
[54] **OTIC COMPOSITION AND APPLICATION PROCESS WITHIN THE CONTEXT OF PREVENTIVE TREATMENT AND/OR INFECTION OF THE INNER, MIDDLE OR EXTERNAL EAR IN MAMMALS**
[54] **COMPOSITION OTIQUE ET PROCEDE D'APPLICATION DANS LE CADRE D'UN TRAITEMENT PREVENTIF ET/OU D'INFECTION DE L'OREILLE INTERNE, MOYENNE ET EXTERNE CHEZ LES MAMMIFERES**
[72] UNKNOWN, ZZ
[71] PHANEUF, JULIE, CA
[22] 2017-07-12
[41] 2019-01-12

[21] **2,973,775**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) G06Q 50/16 (2012.01) G06F 17/27 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **SUPPLEMENTARY DATA DISPLAY DURING BROWSING**
[54] **AFFICHAGE DE DONNEES SUPPLEMENTAIRES PENDANT LA NAVIGATION**
[72] D'AGOSTINO, DINO PAUL, CA
[72] BRAR, SATWINDER SINGH, CA
[72] JAGGA, ARUN VICTOR, CA
[72] LEE, JOHN JONG SUK, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2017-07-10
[41] 2019-01-10

[21] **2,976,256**
[13] A1

[51] **Int.Cl. A44C 7/00 (2006.01)**
[25] EN
[54] **EARRING SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE BOUCLE D'OREILLE**
[72] ASSADBEIGI, APRIL, CA
[71] ASSADBEIGI, APRIL, CA
[22] 2017-08-15
[41] 2019-01-11
[30] US (15646691) 2017-07-11

[21] **2,979,234**
[13] A1

[51] **Int.Cl. E02F 9/22 (2006.01) A01G 23/081 (2006.01)**
[25] EN
[54] **INTELLIGENT BOOM CONTROL WITH RAPID SYSTEM CYCLING**
[54] **COMMANDE DE MAT INTELLIGENTE DOTE D'UNE SUCCESSION DE CYCLES DE SYSTEME RAPIDE**
[72] BELLOWS, TYLER D., US
[72] RASZGA, CALIN L., US
[72] ROBER, DARYL I., US
[71] DEERE & COMPANY, US
[22] 2017-09-14
[41] 2019-01-06
[30] US (15/643,008) 2017-07-06

[21] **2,979,484**
[13] A1

[51] **Int.Cl. B60R 11/00 (2006.01) F16B 7/04 (2006.01) F16B 7/08 (2006.01)**
[25] EN
[54] **SLEEVE FOR A VEHICLE ACCESSORY CONNECTOR, A SLEEVE AND CLAMP ASSEMBLY, AND A VEHICLE ACCESSORY MOUNTING KIT**
[54] **MANCHON DE CONNECTEUR D'ACCESSOIRE DE VEHICULE, UN ASSEMBLAGE DE MANCHON ET PINCE, ET UNE TROUSSE D'INSTALLATION D'ACCESSOIRE DE VEHICULE**
[72] SAVARD, LAURENT, CA
[72] MATHIEU, PATRICK, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2017-09-19
[41] 2019-01-10
[30] US (62/530,544) 2017-07-10

[21] **2,979,879**
[13] A1

[51] **Int.Cl. A01G 23/091 (2006.01)**
[25] EN
[54] **SELF-POWERED TIMBER SLASHER**
[54] **SERPE A LONG MANCHE AUTOPROPULSEE**
[72] STECIAK, JOHN, JR., US
[71] SPRUCE CREEK MECHANICAL L.L.C., US
[22] 2017-09-22
[41] 2019-01-07
[30] US (62/529,576) 2017-07-07
[30] US (15/679,491) 2017-08-17

[21] **2,982,742**
[13] A1

[51] **Int.Cl. B65D 25/14 (2006.01)**
[25] EN
[54] **MAGNETIC LINER**
[54] **REVETEMENT INTERIEUR MAGNETIQUE**
[72] SMITH, CHRISTOPHER SCOTT, US
[72] FARROW, GLENN E., US
[71] RICHWOOD INDUSTRIES, INC., US
[22] 2017-10-17
[41] 2019-01-07
[30] US (15/712,250) 2017-09-22
[30] US (62/529,538) 2017-07-07

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[21] **2,982,974**
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **HYDRAULIC FRACTURING EQUIPMENT WITH NON-HYDRAULIC POWER**
[54] **EQUIPEMENT DE FRACTURATION HYDRAULIQUE EQUIPE D'UNE ALIMENTATION NON HYDRAULIQUE**
[72] HINDERLITER, BRANDON N., US
[71] US WELL SERVICES, LLC, US
[22] 2017-10-19
[41] 2019-01-07
[30] US (15/644,487) 2017-07-07

[21] **2,983,520**
[13] A1

[51] **Int.Cl. B62K 19/40 (2006.01) B62D 25/00 (2006.01) B62K 27/10 (2006.01)**
[25] EN
[54] **ANCHOR FOR REMOVABLY ATTACHING A COMPONENT TO A FRAME MEMBER AND METHOD FOR USING SAME**
[54] **ANCRAGE SERVANT A FIXER DE MANIERE AMOVIBLE UNE COMPOSANTE A UN ELEMENT DE CADRE ET METHODE D'UTILISATION ASSOCIEE**
[72] SAVARD, LAURENT, CA
[72] MATHIEU, PATRICK, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2017-10-24
[41] 2019-01-10
[30] US (62/530,532) 2017-07-10

[21] **2,983,528**
[13] A1

[51] **Int.Cl. H01M 2/30 (2006.01)**
[25] EN
[54] **ANGLED BOLT T-BAR BATTERY TERMINAL CLAMP**
[54] **PINCE DE BORNE DE BATTERIE A BARRE EN T BOULONNEE A ANGLE**
[72] KRASS, STEVE, US
[72] ROHR, WAYNE, US
[72] HOLLIN, NATHANIEL, US
[71] ROYAL DIE & STAMPING, LLC, US
[22] 2017-10-23
[41] 2019-01-10
[30] US (15/645,138) 2017-07-10

[21] **2,985,300**
[13] A1

[51] **Int.Cl. B62D 57/02 (2006.01) E21B 7/02 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **LIFTING LOADS WITH LIFTING DEVICES**
[54] **SOULEVEMENT DE CHARGES AU MOYEN DE DISPOSITIFS DE CHARGE**
[72] UNGER, BRIAN, US
[71] ENTRO INDUSTRIES, INC., US
[22] 2017-11-09
[41] 2019-01-12
[30] US (62/531,742) 2017-07-12
[30] US (15/807,176) 2017-11-08

[21] **2,986,975**
[13] A1

[51] **Int.Cl. A61K 36/062 (2006.01) A61P 27/02 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **ACTIVE SUBSTANCES OF CORDYCEPS CICADAEE AND ITS USES IN PREVENTING, DELAYING OR TREATING CATARACTS**
[54] **SUBSTANCES ACTIVES DE CORDYCEPS CICADAEE ET SES UTILISATIONS POUR LA PREVENTION, LE RETARD D'APPARITION OU LE TRAITEMENT DES CATARACTES**
[72] LIN, PEI-CHENG, TW
[72] CHANG, HAN-HSIN, TW
[72] CHEN, CHIN-CHU, TW
[72] CHEN, YEN-LIEN, TW
[72] YEH, SHU-HSING, TW
[72] LEE, LI-YA, TW
[72] HSU, JUI-HSIA, TW
[72] SHENG, LEE-SAR, TW
[71] GRAPE KING BIO LTD., TW
[22] 2017-11-27
[41] 2019-01-07
[30] TW (106122951) 2017-07-07

[21] **2,987,666**
[13] A1

[51] **Int.Cl. E04F 21/18 (2006.01) E02D 29/02 (2006.01) E04B 1/38 (2006.01) E04B 2/00 (2006.01)**
[25] EN
[54] **MASONRY SUPPORT APPARATUS**
[54] **APPAREIL DE SUPPORT DE MACONNERIE**
[72] MARWOOD, ROBERT, CA
[71] MARWOOD, ROBERT, CA
[22] 2017-12-01
[41] 2019-01-08

[21] **2,987,997**
[13] A1

[51] **Int.Cl. F16M 13/02 (2006.01) A47C 7/62 (2006.01) A47G 23/02 (2006.01) A47G 29/08 (2006.01)**
[25] EN
[54] **MOUNTABLE HOLDER ASSEMBLY FOR BEVERAGE HOLDERS AND ACCESSORIES**
[54] **ASSEMBLAGE DE SUPPORT INSTALLABLE DESTINE A DES SUPPORTS DE BOISSON ET ACCESSOIRES**
[72] BERGIN, PETER W.A., US
[71] CADDY PRODUCTS, INC., US
[22] 2017-12-07
[41] 2019-01-12
[30] US (15/648,148) 2017-07-12

[21] **2,993,397**
[13] A1

[51] **Int.Cl. A62C 3/00 (2006.01) A62C 2/00 (2006.01)**
[25] EN
[54] **PERSERVING BUILDINGS AND OTHER ASSETS FROM BUSHFIRES**
[54] **PROTECTION DES BATIMENTS ET AUTRES BIENS CONTRE LES FEUX DE BROUSSAILLES**
[72] SPROD, GEOFFREY JAMES, AU
[71] EPS INVESTMENTS AUSTRALIA PTY LTD, AU
[22] 2018-01-25
[41] 2019-01-06
[30] AU (2017 902 650) 2017-07-06

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[21] **2,995,129**
[13] A1

[51] **Int.Cl. A43D 25/18 (2006.01) B29D 35/00 (2010.01)**
[25] EN
[54] **METHOD OF PREPARING SHOE COMPONENTS**
[54] **METHODE DE PREPARATION DE COMPOSANTES DE CHAUSSURES**
[72] WANG, SHUI-MU, CN
[71] CHAEI HSIN ENTERPRISE CO., LTD., CN
[22] 2018-02-14
[41] 2019-01-06
[30] TW (106122699) 2017-07-06

[21] **2,999,492**
[13] A1

[51] **Int.Cl. B65D 5/52 (2006.01) A47F 1/04 (2006.01) B65D 5/54 (2006.01) B65D 5/66 (2006.01)**
[25] EN
[54] **DISPLAY CONTAINER HAVING DEFORMABLE REMOVABLE PANEL**
[54] **CONTENANT D'AFFICHAGE COMPORTANT UN PANNEAU AMOVIBLE DEFORMABLE**
[72] NIXON, MATTHEW A., US
[72] GENORD, JONATHON M., US
[72] JOLLEY, CARL JEFFREY, US
[71] MID-ATLANTIC PACKAGING & SPECIALTIES, INC., US
[22] 2018-03-26
[41] 2019-01-10
[30] US (62/530,474) 2017-07-10

[21] **3,000,132**
[13] A1

[51] **Int.Cl. B60J 11/06 (2006.01)**
[25] EN
[54] **PROTECTIVE COVER FOR A VEHICLE**
[54] **REVETEMENT PROTECTEUR DESTINE A UN VEHICULE**
[72] LETENDRE, CAROLINE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2018-04-03
[41] 2019-01-07
[30] US (62/529,523) 2017-07-07

[21] **3,002,479**
[13] A1

[51] **Int.Cl. B29C 64/165 (2017.01) B33Y 70/00 (2015.01) B29C 64/118 (2017.01) B29C 64/314 (2017.01) B29C 64/321 (2017.01) B29C 70/38 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING**
[54] **SYSTEMES ET METHODES DE FABRICATION D'ADDITIF DE PRODUCTION**
[72] WILENSKI, MARK STEWART, US
[72] HARRISON, SAMUEL F., US
[72] EVANS, NICK SHADBEH, US
[72] TORRES, FARAON, US
[71] THE BOEING COMPANY, US
[22] 2018-04-23
[41] 2019-01-06
[30] US (15/642,705) 2017-07-06
[30] US (15/642,787) 2017-07-06

[21] **3,002,826**
[13] A1

[51] **Int.Cl. B29C 73/10 (2006.01) B64F 5/40 (2017.01)**
[25] EN
[54] **STRUCTURAL PRE-CURED REPAIR PATCH FOR REPAIR TO HIGHLY LOADED PRIMARY AND SECONDARY STRUCTURAL COMPONENTS**
[54] **PIECE DE REPARATION PREDURCIE STRUCTURELLE DESTINEE A LA REPARATION DE COMPOSANTES STRUCTURELLES PRIMAIRES ET SECONDAIRES FORTEMENT CHARGEES**
[72] BERTRAND, BLAKE A., US
[72] LEWIS, ARNE K., US
[71] THE BOEING COMPANY, US
[22] 2018-04-25
[41] 2019-01-11
[30] US (15/646606) 2017-07-11

[21] **3,002,835**
[13] A1

[51] **Int.Cl. A01D 47/00 (2006.01) A01D 41/06 (2006.01) A01D 41/14 (2006.01)**
[25] EN
[54] **DRAPER HEADER FOR ATTACHMENT TO A HARVESTING MACHINE**
[54] **TETE DE TULOTEUSE DESTINEE A ETRE ATTACHEE A UNE RECOLTEUSE**
[72] BARNETT, NEIL, US
[72] DIETSCHKE, SCOTT, US
[71] MACDON INDUSTRIES LTD., CA
[22] 2018-04-25
[41] 2019-01-06
[30] US (15642526) 2017-07-06

[21] **3,004,036**
[13] A1

[51] **Int.Cl. B64C 3/26 (2006.01)**
[25] EN
[54] **SKIN-PANEL INTERFACE OF AN AIRCRAFT**
[54] **INTERFACE REVETEMENT-PANNEAU DESTINEE A UN AERONEF**
[72] ZEON, YOUNG L., US
[72] ACHTNER, GERFRIED R., US
[71] THE BOEING COMPANY, US
[22] 2018-05-02
[41] 2019-01-07
[30] CA (15/644,496) 2017-07-07

[21] **3,004,249**
[13] A1

[51] **Int.Cl. B64C 1/18 (2006.01) F16B 5/00 (2006.01) F16B 19/00 (2006.01)**
[25] EN
[54] **AIRCRAFT FLOOR PANEL FLOATING CONNECTION SYSTEM**
[54] **SYSTEME DE RACCORDEMENT FLOTTANT DE PANNEAU DE PLANCHER D'AERONEF**
[72] MILLS, CHRISTOPHER J., US
[72] JONES, TIMOTHY M., US
[71] THE BOEING COMPANY, US
[22] 2018-05-07
[41] 2019-01-06
[30] US (15/643,425) 2017-07-06

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[21] **3,004,634**
[13] A1

[51] **Int.Cl. C09D 11/17 (2014.01) C09D 11/50 (2014.01)**
[25] EN
[54] **COLOR DEVELOPMENT WRITING COMPOSITIONS AND WRITING INSTRUMENTS**
[54] **COMPOSITIONS D'ECRITURE A REVELATION DE COULEUR ET INSTRUMENTS D'ECRITURE**
[72] ALLISON, KEITH J., US
[72] BEDOYA, VICTOR H., US
[71] CRAYOLA LLC, US
[22] 2018-05-11
[41] 2019-01-12
[30] US (62/531,556) 2017-07-12
[30] US (62/555,917) 2017-09-08

[21] **3,004,864**
[13] A1

[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **TONNEAU COVER SYSTEM WITH INTERMEDIATE AUTOMATIC LATCHING**
[54] **SYSTEME DE COUVRE-TONNEAU DOTE DE VERROUILLAGE AUTOMATIQUE INTERMEDIAIRE**
[72] CARTER, CHAD, US
[72] FACCHINELLO, JEROME J., US
[72] KNEIFL, KELLY, US
[72] SPENCER, MICHAEL R., US
[71] EXTANG CORPORATION, US
[71] TRUXEDO, INC., US
[22] 2018-05-14
[41] 2019-01-06
[30] US (15/642,593) 2017-07-06

[21] **3,005,087**
[13] A1

[51] **Int.Cl. A63B 60/14 (2015.01) A63B 53/14 (2015.01)**
[25] EN
[54] **GOLF CLUB AND A GRIP FOR A GOLF CLUB**
[54] **BATON DE GOLF ET UNE POIGNEE DESTINEE A UN BATON DE GOLF**
[72] SEIFRIED, DANIEL JOSEPH DJS., CA
[71] SEIFRIED, DANIEL JOSEPH DJS., CA
[22] 2018-05-16
[41] 2019-01-07
[30] US (62/529862) 2017-07-07

[21] **3,005,267**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) H04W 4/35 (2018.01)**
[25] EN
[54] **DELIVERY PLATFORM FOR REAL-TIME LOCATIONS**
[54] **PLATEFORME DE LIVRAISON DESTINEE AUX EMPLACEMENTS EN TEMPS REEL**
[72] VIJ, MEETIKA, IN
[72] KAKKAD, HEMANT MANAHARIAL, IN
[72] SANKARANARAYANAN, SREYAS SUBRAMANIAM, IN
[72] KUMBHAR, MADHURI UDDHAVRAO, IN
[72] SHINDE, REENA, IN
[72] GUPTA, NITIN KUMAR, IN
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2018-05-17
[41] 2019-01-12
[30] IN (201711024544) 2017-07-12

[21] **3,006,654**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 47/07 (2012.01) E21B 47/00 (2012.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR REGULATING COMPONENT TEMPERATURE IN A DOWNHOLE TOOL**
[54] **APPAREIL ET METHODES DE REGULATION DE LA TEMPERATURE DE COMPOSANTE DANS UN OUTIL DE FOND DE TROU**
[72] KUSMER, DANIEL PHILIP, US
[72] WOLK, NICOLAS ALEJANDRO, US
[71] VIERKO ENTERPRISES, LLC, US
[22] 2018-05-30
[41] 2019-01-12
[30] US (15/647,373) 2017-07-12

[21] **3,006,884**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 33/12 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **MODIFIED DOWNHOLE ISOLATION TOOL HAVING A SEATING MEANS AND PORTED SLIDING SLEEVE**
[54] **OUTIL D'ISOLATION DE FOND DE TROU MODIFIE AYANT DES MECANISMES DE SIEGE ET UN MANCHON COULISSANT TROUE**
[72] KRAWIEC, PETER S.D., CA
[72] LACUSTA, GREGG J., CA
[71] OIL REBEL INNOVATIONS LTD., CA
[22] 2018-06-01
[41] 2019-01-11

[21] **3,006,933**
[13] A1

[51] **Int.Cl. B64C 11/02 (2006.01) B64C 27/82 (2006.01)**
[25] EN
[54] **A ROTOR HUB FOR A TAIL ROTOR OF A ROTORCRAFT**
[54] **UN MOYEU DE ROTOR DESTINE A UN ROTOR DE QUEUE D'UN GIRAVION**
[72] KUNTZE-FECHNER, GERALD, DE
[72] MAZET, STEPHANE, FR
[72] VOGL, JULIUS, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[22] 2018-05-31
[41] 2019-01-06
[30] EP (17400042.2) 2017-07-06

[21] **3,007,543**
[13] A1

[51] **Int.Cl. E03C 1/05 (2006.01) F16K 31/02 (2006.01)**
[25] EN
[54] **FAUCET INCLUDING CAPACITIVE SENSORS FOR HANDS FREE FLUID FLOW CONTROL**
[54] **ROBINET COMPORTANT DES CAPTEURS CAPACITIFS DESTINES A UN CONTROLE D'ECOULEMENT DE FLUIDE MAINS LIBRES**
[72] SAWASKI, JOEL D., US
[71] DELTA FAUCET COMPANY, US
[22] 2018-06-07
[41] 2019-01-10
[30] US (15/645,966) 2017-07-10

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[21] **3,008,729**
[13] A1

[51] **Int.Cl. H04B 1/59 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **INTEGRATED INFRA-RED RECEIVER AND LOW/HIGH-FREQUENCY RECEIVER IN PORTABLE TRANSPONDER DEVICE**
[54] **RECEPTEUR INFRAROUGE INTEGRE ET RECEPTEUR BASSE/Haute FREQUENCES DANS UN APPAREIL TRANSPONDEUR PORTATIF**
[72] MANELA, AVI, IL
[71] TYCO FIRE & SECURITY GMBH, CH
[22] 2018-06-18
[41] 2019-01-06
[30] US (15/642,596) 2017-07-06

[21] **3,008,732**
[13] A1

[51] **Int.Cl. A47K 10/24 (2006.01) A47K 10/42 (2006.01)**
[25] EN
[54] **HAND TOWEL DISPENSER**
[54] **DISTRIBUTEUR DE SERVIETTE A MAIN**
[72] HALL, BENJAMIN, GB
[71] KINGSWAY ENTERPRISES (UK) LIMITED, GB
[22] 2018-06-18
[41] 2019-01-10
[30] GB (1711072.7) 2017-07-10

[21] **3,008,997**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 5/01 (2006.01) A61B 5/053 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROLLED SHORT DURATION ABLATION WITH MULTIPLE ELECTRODES**
[54] **ABLATION A COURTE DUREE THERMOCONTROLEE A PLUSIEURS ELECTRODES**
[72] GOVARI, ASSAF, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[72] EPHRATH, YARON, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-06-21
[41] 2019-01-06
[30] US (62/529,158) 2017-07-06
[30] US (15/994,459) 2018-05-31

[21] **3,009,267**
[13] A1

[51] **Int.Cl. A23G 4/00 (2006.01) A23P 10/20 (2016.01) A23P 10/25 (2016.01) A23P 30/10 (2016.01) A23G 4/04 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A CHEWING-GUM PELLETT**
[54] **PROCEDE DE PRODUCTION DE PALETTE DE GOMME A MACHER**
[72] PAVESI, ENRICO, IT
[72] BASILICO, CHRISTIAN, IT
[71] SOREMARTEC S.A., LU
[22] 2018-06-22
[41] 2019-01-06
[30] LU (LU100332) 2017-07-06

[21] **3,009,275**
[13] A1

[51] **Int.Cl. E04F 10/00 (2006.01)**
[25] EN
[54] **AWNING**
[54] **AUVENT**
[72] DEMERS, GUY, CA
[71] DEMERS, GUY, CA
[22] 2018-06-22
[41] 2019-01-07
[30] GB (1710938.0) 2017-07-07

[21] **3,009,392**
[13] A1

[51] **Int.Cl. A01K 1/01 (2006.01)**
[25] EN
[54] **CATCH DRAWER LITTER BOX**
[54] **BAC A LITIERE A TIROIR DE RAMASSAGE**
[72] AKERS, DANNY W., II, US
[72] AKERS, KELLIE C., US
[71] AKERS, DANNY W., II, US
[71] AKERS, KELLIE C., US
[22] 2018-06-26
[41] 2019-01-11
[30] US (15646346) 2017-07-11

[21] **3,009,749**
[13] A1

[51] **Int.Cl. F01D 7/00 (2006.01) B64C 11/30 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **AIRCRAFT GAS TURBINE ENGINE VARIABLE FAN BLADE MECHANISM**
[54] **MECANISME DE PALE DE VENTILATEUR VARIABLE DE TURBINE A GAZ D'UN AERONEF**
[72] LOPEZ GUZMAN, ALDO DANIEL, US
[72] DEL ANGEL DURAN, ALBERTO, US
[72] MARTINEZ ARTEAGA, DANIELA, US
[72] GARCIA LOPEZ DE LLERGO, CARLA, US
[72] CORONA ACOSTA, ILEANA PRISABEL, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2018-06-28
[41] 2019-01-11
[30] US (15/646,460) 2017-07-11

[21] **3,009,789**
[13] A1

[51] **Int.Cl. B60J 5/04 (2006.01) E05B 77/12 (2014.01) E05B 79/10 (2014.01)**
[25] EN
[54] **VEHICLE DOOR STRUCTURE**
[54] **STRUCTURE DE PORTE DE VEHICULE**
[72] AMAGAI, TOYOHISA, JP
[72] AKAKI, SUGURU, JP
[71] HONDA MOTOR CO., LTD., JP
[22] 2018-06-28
[41] 2019-01-12
[30] JP (2017-136420) 2017-07-12

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[21] **3,009,798**
[13] A1

[51] **Int.Cl. G01B 11/30 (2006.01) G01B 21/30 (2006.01)**
[25] EN
[54] **GRAPHIC OVERLAY FOR MEASURING DIMENSIONS OF FEATURES USING A VIDEO INSPECTION DEVICE**
[54] **SUPERPOSITION GRAPHIQUE SERVANT A MESURER LES DIMENSIONS DES CARACTERISTIQUES AU MOYEN D'UN APPAREIL D'INSPECTION VIDEO**
[72] BENDALL, CLARK ALEXANDER, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2018-06-28
[41] 2019-01-12
[30] US (15/648,010) 2017-07-12

[21] **3,009,823**
[13] A1

[51] **Int.Cl. B64D 31/00 (2006.01) B64C 27/00 (2006.01) B64D 27/24 (2006.01) B64D 33/00 (2006.01)**
[25] EN
[54] **PROPULSION SYSTEM FOR AN AIRCRAFT**
[54] **SYSTEME DE PROPULSION DESTINE A UN AERONEF**
[72] WAGNER, NICHOLAS ADAM, US
[72] BERGSTEN, DANIEL E., US
[72] GUTZ, DAVID ALLEN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2018-06-28
[41] 2019-01-11
[30] US (15/646,592) 2017-07-11

[21] **3,009,835**
[13] A1

[51] **Int.Cl. H04L 12/741 (2013.01) H04L 9/00 (2006.01)**
[25] EN
[54] **A NETWORK SWITCH FOR AUDITING COMMUNICATIONS ON A DETERMINISTIC NETWORK**
[54] **UN COMMUTATEUR RESEAU SERVANT A VERIFIER LES COMMUNICATIONS SUR UN RESEAU DETERMINISTE**
[72] SCHWINDT, STEFAN ALEXANDER, GB
[71] GE AVIATION SYSTEMS LIMITED, GB
[22] 2018-06-28
[41] 2019-01-10
[30] GB (1711054.5) 2017-07-10

[21] **3,009,929**
[13] A1

[51] **Int.Cl. H01F 30/16 (2006.01) H01F 1/14 (2006.01) H01F 27/08 (2006.01) H01F 27/24 (2006.01) H01F 27/28 (2006.01)**
[25] EN
[54] **HOLLOW TOROIDAL MAGNETIC POWER UNIT**
[54] **MODULE D'ALIMENTATION MAGNETIQUE TOROIDAL CREUX**
[72] NAVARRO PEREZ, FRANCISCO EZEQUIEL, ES
[72] ROJAS CUEVAS, ANTONIO, ES
[72] RODRIGUEZ, JORGE, ES
[72] ARCOS, MARINA, ES
[72] FOUASSIER, PATRICK, FR
[72] RODRIGUEZ, RAQUEL, ES
[71] PREMO, S.L., ES
[22] 2018-06-27
[41] 2019-01-11
[30] EP (17382450) 2017-07-11

[21] **3,009,969**
[13] A1

[51] **Int.Cl. E03C 1/04 (2006.01) F16K 11/074 (2006.01) F16K 31/60 (2006.01)**
[25] EN
[54] **LOW PROFILE FAUCET HANDLE ASSEMBLY FOR A ROMAN TUB**
[54] **ENSEMBLE DE POIGNEE DE ROBINET PROFILE BAS DESTINE A UN BAIN ROMAIN**
[72] DU, XAN VY, CA
[72] FISHER, BRYAN, CA
[71] MASCO CANADA LIMITED, CA
[22] 2018-06-28
[41] 2019-01-12
[30] US (62/531,404) 2017-07-12
[30] US (16/015,542) 2018-06-22

[21] **3,009,988**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61M 25/14 (2006.01)**
[25] EN
[54] **IRRIGATED CATHETER WITH IMPROVED ABLATION TIP ELECTRODE FLUID DISTRIBUTION**
[54] **CATHETER IRRIGUE DOTE D'UNE DISTRIBUTION AMELIOREE DE FLUIDE A L'ELECTRODE D'EXTREMITE D'ABLATION**
[72] RAO, ANAND R., US
[72] NGUYEN, THANH, US
[72] DATTA, KESHAVA, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2018-06-28
[41] 2019-01-06
[30] US (15/643,414) 2017-07-06

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[21] **3,010,010**
[13] A1

[51] **Int.Cl. A61B 5/0402 (2006.01) A61B 34/20 (2016.01) A61B 5/0408 (2006.01) A61B 5/044 (2006.01) A61B 5/0452 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **EMBEDDING VISUAL INFORMATION INTO EGG SIGNAL IN REAL TIME**

[54] **INTEGRATION DE L'INFORMATION VISUELLE DANS UN ECG EN TEMPS REEL**

[72] AUERBACH, SHMUEL, IL

[72] ZIGELMAN, GIL, IL

[72] GALKIN, MAXIM, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2018-06-28

[41] 2019-01-11

[30] US (15/646,285) 2017-07-11

[21] **3,010,168**
[13] A1

[51] **Int.Cl. C10G 1/00 (2006.01) C10G 31/06 (2006.01)**

[25] EN

[54] **PRODUCTION OF DIESEL FROM CELLULOSIC BIOMASS**

[54] **PRODUCTION DE DIESEL A PARTIR DE LA BIOMASSE CELLULOSIQUE**

[72] MILOSEVIC, VESELIN, CA

[71] CELLUFUEL INC., CA

[22] 2018-07-03

[41] 2019-01-06

[30] CA (2972311) 2017-07-06

[21] **3,010,174**
[13] A1

[51] **Int.Cl. E04H 17/14 (2006.01) E04H 4/06 (2006.01) E06B 11/02 (2006.01) E06C 1/04 (2006.01) E06C 9/02 (2006.01)**

[25] EN

[54] **SUPERVISED SWIMMING POOL GATEWAY**

[54] **PORTAIL DE PISCINE SUPERVISE**

[72] WALLACE, FRANCIS, CA

[71] WALLACE, FRANCIS, CA

[22] 2018-07-04

[41] 2019-01-06

[30] US (62/604,449) 2017-07-06

[21] **3,010,175**
[13] A1

[51] **Int.Cl. E21B 17/06 (2006.01) F16D 9/04 (2006.01)**

[25] EN

[54] **SHEAR COUPLING**

[54] **RACCORDEMENT PAR CISAILLEMENT**

[72] COSSE, CARLOS, CA

[71] OPW-ENGINEERED SYSTEMS, INC., US

[22] 2018-07-03

[41] 2019-01-07

[30] US (62/529,813) 2017-07-07

[30] US (16/019,073) 2018-06-26

[21] **3,010,181**
[13] A1

[51] **Int.Cl. E05B 83/12 (2014.01)**

[25] EN

[54] **DOOR LOCKING ASSEMBLY**

[54] **MECANISME DE VERROU DE PORTE**

[72] JUNG, SOONDONG, US

[72] FARMER, AUSTIN G., US

[72] KLAPPER, DAVID J., US

[72] WINDY, BRADLEY T., US

[71] GREAT DANE LLC, US

[22] 2018-07-03

[41] 2019-01-07

[30] US (15/644,586) 2017-07-07

[21] **3,010,189**
[13] A1

[51] **Int.Cl. F16B 47/00 (2006.01)**

[25] EN

[54] **CONNECTION TO A SUCTION DISC**

[54] **RACCORDEMENT A UN DISQUE D'ASPIRATION**

[72] KENNEDY, CURTIS, CA

[71] KENNEDY, CURTIS, CA

[22] 2018-07-04

[41] 2019-01-06

[30] US (62/604,409) 2017-07-06

[21] **3,010,360**
[13] A1

[51] **Int.Cl. B08B 1/04 (2006.01) A01G 3/00 (2006.01) B08B 3/00 (2006.01) B24B 3/52 (2006.01)**

[25] EN

[54] **PLANT TRIMMING SHEAR CLEANER AND SHARPENER**

[54] **NETTOYEUR ET AFFUTEUR DE CISAILLES DE VEGETAUX**

[72] TIMONEY, DAVID, US

[72] TIMONEY, JONATHAN, US

[72] TUPPER, ROBERT R., US

[71] CLEAN SCISSORS LLC, US

[22] 2018-07-04

[41] 2019-01-10

[30] US (62/530,461) 2017-07-10

[30] US (16/012,493) 2018-06-19

[21] **3,010,402**
[13] A1

[51] **Int.Cl. H02S 20/10 (2014.01) H02S 20/21 (2014.01) H02S 40/40 (2014.01)**

[25] EN

[54] **ROAD SURFACE POWER GENERATION SYSTEM**

[54] **SYSTEME DE GENERATION D'ALIMENTATION SUR UNE SURFACE DE ROUTE**

[72] WANG, YUNFANG, CN

[72] DAI, FENGYU, CN

[72] HUO, YANYIN, CN

[72] CAO, ZHIFENG, CN

[71] BEIJING APOLLO DING RONG SOLAR TECHNOLOGY CO., LTD., CN

[22] 2018-07-04

[41] 2019-01-06

[30] CN (201710546849.2) 2017-07-06

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[21] **3,010,468**
[13] A1

[51] **Int.Cl. F28D 15/02 (2006.01) F28F 7/00 (2006.01)**
[25] EN
[54] **HEAT PIPE**
[54] **TUYAU DE CHAUFFAGE**
[72] HOSHINO, KUNIO, JP
[72] KIMURA, REI, JP
[72] YAMAMOTO, YASUSHI, JP
[72] FUKUTA, MASATO, JP
[72] MAWATARI, TAKASHI, JP
[72] ABE, SATORU, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION JAPANESE COMPANY, JP
[22] 2018-07-05
[41] 2019-01-06
[30] JP (2017-132780) 2017-07-06

[21] **3,010,471**
[13] A1

[51] **Int.Cl. G09G 5/39 (2006.01) G09G 5/12 (2006.01)**
[25] EN
[54] **DISPLAY BUFFERING METHODS AND SYSTEMS**
[54] **METHODS ET SYSTEMES DE MISE EN TAMPON D’AFFICHAGE**
[72] FABIUS, AIDAN, CA
[71] FABIUS, AIDAN, CA
[22] 2018-07-05
[41] 2019-01-06
[30] US (62/529,099) 2017-07-06

[21] **3,010,474**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) A01K 5/02 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVALUATING QUALITY OF PEN RIDER ACTIVITIES IN FEEDLOT ENVIRONMENT**
[54] **SYSTEME ET METHODE D’EVALUATION DE LA QUALITE DES ACTIVITES DE CAVALIER D’ENCLOS DANS UN ENVIRONNEMENT DE PARC D’ENGRAISSEMENT**
[72] TAYLOR, GARRETT, US
[71] TAYLOR CONSULTING, LLC., US
[22] 2018-07-05
[41] 2019-01-11
[30] US (62/531,267) 2017-07-11
[30] US (16/008,844) 2018-06-14

[21] **3,010,487**
[13] A1

[51] **Int.Cl. E04H 15/08 (2006.01) B60P 3/32 (2006.01) E04F 10/02 (2006.01) E04F 10/06 (2006.01) E04H 15/58 (2006.01)**
[25] EN
[54] **CONNECTION SYSTEM AND AWNING STRUCTURE WITH CONNECTION SYSTEM**
[54] **SYSTEME DE RACCORDEMENT ET STRUCTURE D’AUVENT DOTE DU SYSTEME DE RACCORDEMENT**
[72] COUCKE, DAVY, BE
[72] BROWAEYS, WOUTER, BE
[71] THULE NV, BE
[22] 2018-07-05
[41] 2019-01-07
[30] US (15/643,651) 2017-07-07

[21] **3,010,488**
[13] A1

[51] **Int.Cl. B01D 29/46 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS USING CLOSELY SPACED PLATES TO SEPARATE FLUIDS HAVING DIFFERENT RHEOLOGICAL PROPERTIES**
[54] **METHODE ET APPAREIL EMPLOYANT DES PLAQUES ESPACEES ETROITEMENT POUR SEPARER LES FLUIDES AYANT DES PROPRIETES RHEOLOGIQUES DIFFERENTES**
[72] HEMSTOCK, CHRISTOPHER A., CA
[71] SPECIALIZED DESANDERS INC., CA
[22] 2018-07-05
[41] 2019-01-06
[30] US (15/997,771) 2018-05-29
[30] US (62/529,309) 2017-07-06

[21] **3,010,492**
[13] A1

[51] **Int.Cl. H01H 33/10 (2006.01) H01H 71/02 (2006.01)**
[25] EN
[54] **CIRCUIT INTERRUPTERS HAVING METAL ARC CHUTES WITH ARC QUENCHING MEMBERS AND RELATED ARC CHUTES**
[54] **INTERRUPTEURS DE CIRCUIT AYANT DES BOITES DE SOUFFLAGE METALLIQUES DOTEES D’ELEMENTS D’EXTINCTION D’ARC ET BOITES DE SOUFFLAGE ASSOCIEES**
[72] MALONEY, JAMES GERARD, US
[72] GIBSON, JEFFREY SCOTT, US
[72] CLARK, JOHN, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2018-07-05
[41] 2019-01-12
[30] US (15/647841) 2017-07-12

[21] **3,010,493**
[13] A1

[51] **Int.Cl. B32B 3/26 (2006.01) B32B 3/08 (2006.01) B32B 27/04 (2006.01) B62D 25/02 (2006.01) B62D 63/08 (2006.01) E04C 2/00 (2006.01)**
[25] EN
[54] **STRUCTURAL LAMINATE PANEL WITH INTERNALLY ROUTED COMPONENTS**
[54] **PANNEAU LAMINE STRUCTUREL DOTE DE COMPOSANTES ACHEMINEES DE MANIERE INTERNE**
[72] RADOSLAV, EMIL, CA
[72] WEILER, KEVIN, CA
[72] RADOSLAV, DANIEL, CA
[71] WESTHILL INNOVATION INC., CA
[22] 2018-07-05
[41] 2019-01-07
[30] US (62/529675) 2017-07-07

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[21] **3,010,494**
[13] A1

[51] **Int.Cl. E01F 8/00 (2006.01) E04B 1/84 (2006.01)**
[25] EN
[54] **STRUCTURAL LAMINATE SOUND BARRIER**
[54] **BARRIERE DE SON LAMELLEE STRUCTURELLE**
[72] SUCCI, GINA, CA
[72] JENAB, ARASH, CA
[71] WESTHILL INNOVATION INC., CA
[22] 2018-07-05
[41] 2019-01-06
[30] US (62/529072) 2017-07-06

[21] **3,010,532**
[13] A1

[51] **Int.Cl. B01D 29/39 (2006.01)**
[25] EN
[54] **BOUNDARY LAYER MODIFICATION IN CLOSELY-SPACED PASSAGES**
[54] **MODIFICATION DE COUCHE FRONTIERE DANS LES PASSAGES ESPACES ETROITEMENT**
[72] HEMSTOCK, CHRISTOPHER A., CA
[71] SPECIALIZED DESANDERS INC., CA
[22] 2018-07-05
[41] 2019-01-06
[30] US (62/529,309) 2017-07-06
[30] US (15/991,771) 2018-05-29

[21] **3,010,633**
[13] A1

[51] **Int.Cl. F04B 53/14 (2006.01) A61M 5/19 (2006.01) B65D 47/34 (2006.01) B65D 81/32 (2006.01) F04B 53/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS RELATED TO FLUID PUMPING**
[54] **SYSTEMES ET METHODES ASSOCIES AU POMPAGE DE FLUIDE**
[72] HIRSCHMANN, AARON, US
[72] FESUS, ROBERT, US
[71] PLAS-TECH ENGINEERING, INC., US
[22] 2018-07-06
[41] 2019-01-06
[30] US (62/529350) 2017-07-06

[21] **3,010,641**
[13] A1

[51] **Int.Cl. H04R 1/28 (2006.01) H04R 1/10 (2006.01)**
[25] EN
[54] **EARPHONE**
[54] **OREILLETTE**
[72] TU, I-HUNG, CN
[71] TU, I-HUNG, CN
[22] 2018-07-06
[41] 2019-01-11
[30] TW (106123126) 2017-07-11

[21] **3,010,646**
[13] A1

[51] **Int.Cl. H02S 10/20 (2014.01) H02S 20/20 (2014.01) H02S 20/30 (2014.01) H02S 40/32 (2014.01) H02S 40/38 (2014.01) B63B 38/00 (2006.01) E02B 3/20 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **SOLAR POWER SYSTEM FOR MARINE DOCK**
[54] **SYSTEME D'ALIMENTATION SOLAIRE DESTINE A UN QUAI MARITIME**
[72] LEVIN, KERRY IRA, US
[71] DESIGNER DIRECT, INC., D/B/A LEVIN ASSOCIATES, US
[22] 2018-07-06
[41] 2019-01-07
[30] US (62/529,825) 2017-07-07

[21] **3,010,653**
[13] A1

[51] **Int.Cl. H02G 3/14 (2006.01) E04F 19/08 (2006.01)**
[25] EN
[54] **DECORATIVE CONCEALED OUTLET DEVICE AND SYSTEM**
[54] **DISPOSITIF DE PRISE CACHEE DECORATIVE ET SYSTEME**
[72] NEWMAN, LEE, US
[71] TALONTE GROUP, INC, US
[22] 2018-07-06
[41] 2019-01-07
[30] US (62/529,920) 2017-07-07
[30] US (62/694,573) 2018-07-06

[21] **3,010,668**
[13] A1

[51] **Int.Cl. G16H 40/20 (2018.01) G16H 10/60 (2018.01)**
[25] EN
[54] **CANCER CARE NAVIGATION METHODS**
[54] **METHODES DE NAVIGATION DE SOINS DE CANCER**
[72] JOHNSON, FRANCES MARY, US
[71] JOHNSON, FRANCES MARY, US
[22] 2018-07-06
[41] 2019-01-07
[30] US (62/529,841) 2017-07-07
[30] US (15/911,590) 2018-03-05

[21] **3,010,807**
[13] A1

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **ASSISTANCE SYSTEMS FOR CASH TRANSACTIONS AND MONEY MANAGEMENT**
[54] **SYSTEMES D'ASSISTANCE DE TRANSACTIONS AU COMPTANT ET DE GESTION D'ARGENT**
[72] SAWAYA, EMILE, LB
[72] SAFI, PAUL, LB
[71] REABLE INC., LB
[22] 2018-07-09
[41] 2019-01-07
[30] US (62/529,995) 2017-07-07

[21] **3,010,816**
[13] A1

[51] **Int.Cl. G01N 1/28 (2006.01)**
[25] EN
[54] **POLARIZATION DIELECTRIC DISCHARGE SOURCE FOR IMS INSTRUMENT**
[54] **SOURCE DE DECHARGE DIELECTRIQUE DE POLARISATION DESTINEE A UN INSTRUMENT IMS**
[72] NACSON, SABATINO, CA
[71] TEKNOSCAN SYSTEMS INC., CA
[22] 2018-07-09
[41] 2019-01-07
[30] CA (2972600) 2017-07-07

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[21] **3,010,819**
[13] A1

[51] **Int.Cl. C08J 5/18 (2006.01) B32B 7/03 (2019.01) B32B 27/04 (2006.01) B32B 27/20 (2006.01) B32B 37/15 (2006.01)**

[25] EN
[54] **FILM WITH INLAY DECOR**
[54] **PELLICULE DOTÉE D'UNE DECORATION INCRUSTÉE**

[72] GARRIGA, JORDI, DE
[72] SCHLICHT, RAINER, DE
[71] KLOCKNER PENTAPLAST GMBH, DE

[22] 2018-07-09
[41] 2019-01-10
[30] DE (10 2017 115 380.2) 2017-07-10

[21] **3,010,821**
[13] A1

[51] **Int.Cl. A63B 63/00 (2006.01) A63B 63/04 (2006.01)**

[25] EN
[54] **ICE HOCKEY GOAL POST PEG**
[54] **TIGE DE POTEAU DE BUT DE HOCKEY SUR GLACE**

[72] MESSINA, JOSEPH J., US
[72] MATWIJW, STANLEY J., US
[71] MESSINA, JOSEPH J., US
[71] MATWIJW, STANLEY J., US

[22] 2018-07-09
[41] 2019-01-10
[30] US (62/530,549) 2017-07-10

[21] **3,010,841**
[13] A1

[51] **Int.Cl. F27D 13/00 (2006.01) C21B 13/00 (2006.01) C21D 1/52 (2006.01) C22B 9/16 (2006.01) F27B 9/12 (2006.01) F27B 9/24 (2006.01) F27B 9/36 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR PREHEATING METAL-CONTAINING PELLETS**
[54] **SYSTEMES ET METHODES DE PRECHAUFFAGE DE GRANULES RENFERMANT DU METAL**

[72] BURAGINO, GREGORY J., US
[72] SANE, ANUP VASANT, US
[72] GANGOLI, SHAILESH PRADEEP, US
[72] HE, XIAOYI, US
[72] ZELSON, LARRY SAUL, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US

[22] 2018-07-09
[41] 2019-01-11
[30] US (62/621754) 2018-01-25
[30] US (16/025230) 2018-07-02
[30] US (62/531019) 2017-07-11

[21] **3,010,929**
[13] A1

[51] **Int.Cl. C12N 1/20 (2006.01) C02F 3/34 (2006.01) C09K 8/524 (2006.01) C09K 8/532 (2006.01) A01N 63/00 (2006.01) A01P 1/00 (2006.01)**

[25] EN
[54] **COMPOSITION AND METHOD FOR CONTROLLING BACTERIA IN FORMATIONS**
[54] **COMPOSITION ET METHODE DE CONTROLE DES BACTERIES DANS LES FORMATIONS**

[72] CORRIN, EDWARD, US
[72] GURECKI, MICHAEL, US
[72] HARLESS, MICHAEL, US
[71] BIOTECHNOLOGY SOLUTIONS, LLC, US

[22] 2018-07-09
[41] 2019-01-10
[30] US (62/530,678) 2017-07-10

[21] **3,010,935**
[13] A1

[51] **Int.Cl. B66F 7/28 (2006.01) B66F 3/08 (2006.01)**

[25] EN
[54] **NUT HOUSING THAT STRADDLES THE GEARBOX**
[54] **LOGEMENT D'ECROU QUI CHEVAUCHE LA BOITE D'ENGRENAGE**

[72] ENGLAND, JOHN, US
[72] MCGONAGLE, PETER GERARD, US
[72] KNAPP, RYAN W., US
[71] MACTON CORPORATION, US

[22] 2018-07-09
[41] 2019-01-07
[30] US (62/529,642) 2017-07-07

[21] **3,010,936**
[13] A1

[51] **Int.Cl. G10F 1/08 (2006.01) G10D 13/02 (2006.01) G10G 3/04 (2006.01)**

[25] EN
[54] **DRUM PATTERN CREATION FROM NATURAL USER BEAT INFORMATION**
[54] **CREATION DE RYTHME DE TAMBOUR A PARTIR DE L'INFORMATION SUR LE RYTHME NATUREL D'UN UTILISATEUR**

[72] LUPINI, PETER R., CA
[72] RUTLEDGE, GLEN A., US
[72] CAMPBELL, NORM, CA
[72] GODLOVITCH, DANIEL, US
[71] HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED, US

[22] 2018-07-09
[41] 2019-01-10
[30] US (62/530818) 2017-07-10

[21] **3,010,939**
[13] A1

[51] **Int.Cl. B01F 15/04 (2006.01) B01F 3/12 (2006.01) G05D 11/13 (2006.01) E21B 43/26 (2006.01)**

[25] EN
[54] **BLENDER FOR FRAC FLUIDS**
[54] **MELANGEUR DESTINE AUX FLUIDES DE FRACTURATION**

[72] YEUNG, TONY, US
[72] ALVAREZ, ANDRES, US
[71] BJ SERVICES, LLC, US

[22] 2018-07-10
[41] 2019-01-10
[30] US (62/530630) 2017-07-10
[30] US (16/026254) 2018-07-03

[21] **3,010,945**
[13] A1

[51] **Int.Cl. G06F 21/10 (2013.01) G06F 17/50 (2006.01) G05B 19/4099 (2006.01)**

[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR PROTECTING 3D RENDERED DESIGNS**
[54] **SYSTEMES, DISPOSITIFS ET METHODES DE PROTECTION DES MOTIFS RENDUS EN 3D**

[72] MOUSSEAU, GARY, CA
[72] BAWA, KARIMA, CA
[71] 3D BRIDGE SOLUTIONS INC., CA

[22] 2018-07-10
[41] 2019-01-10
[30] US (62/530,477) 2017-07-10

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[21] **3,010,947**
[13] A1

[51] **Int.Cl. F04B 53/10 (2006.01) F04B 15/02 (2006.01) F16K 1/36 (2006.01) F16K 1/42 (2006.01) F16K 15/02 (2006.01)**

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[54] **FLUID END FOR FRAC PUMP**
[54] **FLUIDE D'EXTREMITE DESTINE A UNE POMPE DE FRACTURATION**

[72] YEUNG, TONY, US
[72] SUDDERTH, JOHN LEN, US
[71] BJ SERVICES, LLC, US
[22] 2018-07-10
[41] 2019-01-10
[30] US (62/530587) 2017-07-10
[30] US (16/026236) 2018-07-03

[21] **3,010,952**
[13] A1

[51] **Int.Cl. C08L 75/04 (2006.01) C08L 23/06 (2006.01) C08L 91/06 (2006.01) F16C 33/56 (2006.01) F16C 33/62 (2006.01)**

[25] EN
[54] **POLYURETHANE ELASTOMER COMPOSITION AND BEARING MATERIAL**
[54] **COMPOSITION ELASTOMERE EN POLYURETHANE ET MATERIAU PORTEUR**

[72] HAGI, YOICHI, JP
[72] KITAGAWA, ASAHU, JP
[72] SUZUKI, YUICHI, JP
[71] NOK CORPORATION, JP
[22] 2018-07-10
[41] 2019-01-12
[30] JP (2017-135930) 2017-07-12

[21] **3,011,026**
[13] A1

[51] **Int.Cl. B63B 21/54 (2006.01) B65H 69/00 (2006.01)**

[25] EN
[54] **ROTATIONAL BOAT HOOK AND ROPE THREADING DEVICE**
[54] **CROCHET DE BATEAU PIVOTANT ET DISPOSITIF D'ENFILAGE DE CORDE**

[72] COTE, LUC JOSEPH, CA
[71] COTE, LUC JOSEPH, CA
[22] 2018-07-11
[41] 2019-01-11
[30] US (62531135) 2017-07-11

[21] **3,011,046**
[13] A1

[51] **Int.Cl. B65G 69/24 (2006.01) B65G 65/00 (2006.01) B65G 67/24 (2006.01) B66F 7/02 (2006.01) B66F 11/04 (2006.01)**

[25] EN
[54] **ELEVATING CAGE APPARATUS WITH ALTERNATIVE POWERED OR MANUAL INPUT**
[54] **APPAREIL DE CAGE D'ASCENSEUR OFFRANT UNE AUTRE ENTREE ELECTRIQUE OU MANUELLE**

[72] O'KEEFE, JAMES MICHAEL, US
[72] SCOTT, JEFFREY DAVID, US
[71] SAFE RACK, LLC, US
[22] 2018-07-11
[41] 2019-01-12
[30] US (62/513,612) 2017-07-12
[30] US (16/031,468) 2018-07-10

[21] **3,011,058**
[13] A1

[51] **Int.Cl. A61F 5/14 (2006.01) A43B 7/14 (2006.01) A43B 7/18 (2006.01) A43B 7/22 (2006.01)**

[25] EN
[54] **BRACE FOR POSTERIOR TIBIAL TENDON DYSFUNCTION**
[54] **SUPPORT DESTINE A UNE DYSFUNCTION DU TENDON TIBIAL POSTERIEUR**

[72] GAYLORD, ERIC LEE, US
[71] MEDICAL SPECIALTIES, INC., US
[22] 2018-07-11
[41] 2019-01-12
[30] US (62/596,388) 2017-12-08
[30] US (62/531,476) 2017-07-12

[21] **3,011,112**
[13] A1

[51] **Int.Cl. H02K 15/00 (2006.01) H02K 11/30 (2016.01) B65G 54/02 (2006.01) H02K 41/02 (2006.01)**

[25] EN
[54] **ASSEMBLY PROCEDURE FOR A LONG-STATOR LINEAR MOTOR**
[54] **PROCEDURE D'ASSEMBLAGE DESTINE A UN MOTEUR LINEAIRE A LONG STATOR**

[72] REINTHALER, MICHAEL, AT
[72] STOJCIC, GORAN, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2018-07-12
[41] 2019-01-12
[30] AT (A50577/2017) 2017-07-12

[21] **3,011,116**
[13] A1

[51] **Int.Cl. C02F 3/34 (2006.01) C02F 3/02 (2006.01) C02F 3/06 (2006.01)**

[25] EN
[54] **SUBMERGED MEDIA AERATED REACTOR SYSTEM AND METHOD**
[54] **SYSTEME DE REACTEUR AERE EN MILIEU SUBMERGE ET METHODE**

[72] THARP, CHARLES E., US
[72] CANTER, TIM, US
[71] ENVIRONMENTAL DYNAMICS INTERNATIONAL, INC., US
[22] 2018-07-12
[41] 2019-01-12
[30] US (62/531,700) 2017-07-12

[21] **3,011,122**
[13] A1

[51] **Int.Cl. H01Q 7/00 (2006.01) H01Q 5/342 (2015.01) H01Q 21/24 (2006.01)**

[25] EN
[54] **SPIRAL ANTENNA SYSTEM**
[54] **SYSTEME D'ANTENNE SPIRALE**

[72] BRADSTREET, LANCE M., US
[72] THORNTON, CHRISTOPHER J., US
[72] STRIFFLER, RUSSELL W., US
[71] SRC, INC., US
[22] 2018-07-12
[41] 2019-01-12
[30] US (15/647,855) 2017-07-12

[21] **3,011,136**
[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01)**

[25] EN
[54] **POWER TONGS WITH SHAFT RETAINERS**
[54] **CLES A TIGES ELECTRIQUES DOTEES DE MECANISMES DE RETENTION D'ARBRE**

[72] TRAN, GERRY CHAU, US
[72] BOYD, BILLY SHAWN, US
[71] U.S. POWER TONG, L.L.C., US
[22] 2018-07-12
[41] 2019-01-12
[30] US (15/647,534) 2017-07-12

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[21] **3,011,139**

[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **POWER TONGS WITH
SUPPORTING STRUTS**
[54] **CLES A TIGES ELECTRIQUES
DOTEES DE MONTANTS DE
SUPPORT**
[72] TRAN, GERRY CHAU, US
[72] BOYD, BILLY SHAWN, US
[71] U.S. POWER TONG, L.L.C., US
[22] 2018-07-12
[41] 2019-01-12
[30] US (15/647,461) 2017-07-12

[21] **3,011,140**

[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01)**
[25] EN
[54] **POWER TONGS**
[54] **CLES A TIGES ELECTRIQUES**
[72] TRAN, GERRY CHAU, US
[72] BOYD, BILLY SHAWN, US
[71] U.S. POWER TONG, L.L.C., US
[22] 2018-07-12
[41] 2019-01-12
[30] US (15/647,790) 2017-07-12

[21] **3,011,145**

[13] A1

[51] **Int.Cl. E21B 37/08 (2006.01)**
[25] EN
[54] **SELF-CLEANING SAND SCREEN**
[54] **TAMIS DE SABLE
AUTONETTOYANT**
[72] BOWLEY, RYAN THOMAS, CA
[71] ENERCORP SAND SOLUTIONS
INC., CA
[22] 2018-07-12
[41] 2019-01-12
[30] US (16/032,603) 2018-07-11
[30] US (62/531,483) 2017-07-12

[21] **3,023,411**

[13] A1

[51] **Int.Cl. H04W 4/024 (2018.01) H04W
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[25] EN
[54] **METHOD AND SYSTEM FOR
CREDENTIAL-BASED
PEDESTRIAN ROUTING**
[54] **METHODE ET SYSTEME
D'ORIENTATION DE PIETONS
FONDES SUR L'HISTORIQUE**
[72] OHAB, HENRY L., CA
[72] NAGPAL, PARAMVIR SINGH, CA
[72] HAMIDIFAR, SAEEDAH, CA
[71] MAPSTED CORP., CA
[22] 2018-11-08
[41] 2019-01-11
[30] US (15/955,664) 2018-04-17

[21] **3,023,416**

[13] A1

[51] **Int.Cl. B65D 6/00 (2006.01) B65D 6/16
(2006.01)**
[25] EN
[54] **ASSEMBLABLE AND
DISASSEMBLABLE ENCLOSURE**
[54] **ENCEINTE ASSEMBLABLE ET
DESASSEMBLABLE**
[72] LILHOLT, CASPAR, CA
[71] LILHOLT, CASPAR, CA
[22] 2018-11-06
[41] 2019-01-09

[21] **3,023,576**

[13] A1

[51] **Int.Cl. A47K 11/00 (2006.01) A45F
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A61G 9/00 (2006.01)**
[25] EN
[54] **VEHICLE URINATING UNISEX
KIT**
[54] **TROUSSE UNISEXE
PERMETTANT D'URINER DANS
UN VEHICULE**
[72] PATTERSON, MICHAEL R., CA
[71] PATTERSON, MICHAEL R., CA
[22] 2018-11-06
[41] 2019-01-09
[30] CA (2,985,567) 2017-11-10

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[21] **2,993,894**
[13] A1

[51] **Int.Cl. B66C 23/40 (2006.01) B66D 1/08 (2006.01) B66D 1/12 (2006.01) B66D 1/14 (2006.01) B66D 1/46 (2006.01)**

[25] EN

[54] **MOBILE SHAFT WINCH**

[54] **TREUIL DE Puits MOBILE**

[72] KOSTERKE, UWE, DE

[72] WEST, MARKUS, DE

[71] OLKO-MASCHINENTECHNIK GMBH, DE

[85] 2018-01-26

[86] 2016-09-13 (PCT/EP2016/071481)

[87] (WO2017/055069)

[30] DE (10 2015 116 505.8) 2015-09-29

[21] **3,005,914**
[13] A1

[51] **Int.Cl. B27D 1/00 (2006.01)**

[25] EN

[54] **CROSS-LAMINATED TIMBER PROCESSING EQUIPMENT**

[54] **MATERIEL DE TRAITEMENT DE BOIS D'OEUVRE STRATIFIE CROISE**

[72] DONG, GUOLIANG, CN

[71] JIANG SU GLOBAL CLT CO., LTD, CN

[85] 2018-05-23

[86] 2017-11-29 (PCT/CN2017/113503)

[87] (3005914)

[30] CN (2017105493456) 2017-07-07

[30] CN (2017105493795) 2017-07-07

[30] CN (2017106789984) 2017-08-10

[21] **3,005,924**
[13] A1

[51] **Int.Cl. A47F 10/06 (2006.01) A23G 9/28 (2006.01) A47J 43/04 (2006.01)**

[25] EN

[54] **TOUCH-SCREEN CONTROLLED ICE CREAM VENDING MACHINE**

[54] **MACHINE DISTRIBUTRICE DE CREME GLACEE CONTROLEE PAR ECRAN TACTILE**

[72] MANN, SUNVEER, CA

[71] MANN, SUNVEER, CA

[85] 2018-09-27

[86] 2018-05-18 (PCT/CA2018/050593)

[87] (3005924)

[21] **3,021,589**
[13] A1

[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/438 (2006.01)**

[25] EN

[54] **NOVEL SUBSTITUTED IMIDAZOPYRIDINE COMPOUNDS AS INHIBITORS OF INDOLEAMINE2,3-DIOXYGENASE AND/OR TRYPTOPHAN-2,3-DIOXYGENASE**

[54] **NOUVEAUX COMPOSES D'IMIDAZOPYRIDINE SUBSTITUES EN TANT QU'INHIBITEURS D'INDOLEAMINE 2,3-DIOXYGENASE ET/OU DE TRYPTOPHANE-2,3-DIOXYGENASE**

[72] COWLEY, PHILLIP M., GB

[72] MCGOWAN, MEREDETH ANN, US

[72] BROWN, THOMAS J., GB

[72] HAN, YONGXIN, US

[72] LIU, KUN, US

[72] PU, QINGLIN, US

[72] WISE, ALAN, GB

[72] ZHANG, HONGJUN, US

[72] ZHOU, HUA, US

[71] MERCK SHARP & DOHME CORP., US

[71] IOMET PHARMA LTD., GB

[85] 2018-10-18

[86] 2017-04-24 (PCT/US2017/029042)

[87] (WO2017/189386)

[30] US (62/329,579) 2016-04-29

[21] **3,024,670**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 10/04 (2012.01)**

[25] EN

[54] **TECHNIQUES FOR ESTIMATING EXPECTED PERFORMANCE IN A TASK ASSIGNMENT SYSTEM**

[54] **TECHNIQUES D'ESTIMATION DU RENDEMENT ATTENDU DANS UN SYSTEME D'ATTRIBUTION DE TACHES**

[72] CHISHTI, ZIA, US

[72] KAN, ITTAL, US

[72] KHATRI, VIKASH, US

[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB

[85] 2018-11-19

[86] 2018-04-05 (PCT/IB2018/000438)

[87] (3024670)

[30] US (15/648,788) 2017-07-13

[30] US (15/645,277) 2017-07-10

[21] **3,028,035**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **BRAIN DELIVERY PROTEIN**

[54] **PROTEINE D'APPORT DU CERVEAU**

[72] LANNFELT, LARS, SE

[72] SEHLIN, DAG, SE

[72] HULTQVIST, GRETA, SE

[72] SYVANEN, STINA, SE

[71] BIOARCTIC AB, SE

[85] 2018-12-17

[86] 2017-07-13 (PCT/EP2017/067727)

[87] (WO2018/011353)

[30] SE (1651065-3) 2016-07-14

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[21] **3,028,042**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 47/69 (2017.01) A61K 31/196 (2006.01) A61K 31/58 (2006.01) A61K 47/36 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **COMPOSITIONS COMPRISING A POLYSACCHARIDE MATRIX FOR THE CONTROLLED RELEASE OF ACTIVE INGREDIENTS**

[54] **COMPOSITIONS COMPRENANT UNE MATRICE DE POLYSACCHARIDE POUR LA LIBERATION CONTROLLEE DE SUBSTANCES ACTIVES**

[72] MORPURGO, MARGHERITA, IT
[72] BIANCHINI, GIULIO, IT
[72] CALLEGARO, LANFRANCO, IT
[71] JOINTHERAPEUTICS S.R.L., IT
[85] 2018-12-17
[86] 2017-07-18 (PCT/EP2017/068085)
[87] (WO2018/015364)
[30] IT (102016000075246) 2016-07-19

[21] **3,028,069**
[13] A1

[51] **Int.Cl. F24C 15/20 (2006.01)**

[25] EN

[54] **KITCHEN EXTRACTOR HOOD WITH VORTEX FLOW**

[54] **HOTTE ASPIRANTE DE CUISINE A ECOULEMENT TOURBILLONNAIRE**

[72] ZECEVIC, NEBOJSA NENO, IT
[72] BIAGINI, LORENZO, IT
[71] B.S. SERVICE S.R.L., IT
[85] 2018-12-17
[86] 2016-07-07 (PCT/IT2016/000169)
[87] (WO2018/008044)

[21] **3,028,158**
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01)**

[25] EN

[54] **TYPE VI CRISPR ORTHOLOGS AND SYSTEMS**

[54] **SYSTEMES ET ORTHOLOGUES CRISPR DE TYPE VI**

[72] ZHANG, FENG, US
[72] ABUDAYYEH, OMAR, O., US
[72] GOOTENBERG, JONATHAN, US
[72] LANDER, ERIC, S., US
[71] THE BROAD INSTITUTE, INC., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-12-17
[86] 2017-06-19 (PCT/US2017/038154)
[87] (WO2017/219027)
[30] US (62/351,662) 2016-06-17
[30] US (62/351,803) 2016-06-17
[30] US (62/376,377) 2016-08-17
[30] US (62/410,366) 2016-10-19
[30] US (62/432,240) 2016-12-09
[30] US (62/471,792) 2017-03-15
[30] US (62/484,786) 2017-04-12

[21] **3,028,254**
[13] A1

[51] **Int.Cl. A23L 3/3409 (2006.01) A23B 7/144 (2006.01) A61L 9/14 (2006.01) B01D 1/00 (2006.01) B01D 47/02 (2006.01) B01D 53/14 (2006.01)**

[25] FR

[54] **METHOD AND ASSEMBLY FOR THE TREATMENT OF THE ATMOSPHERE IN A STORAGE SPACE FOR VEGETABLE PRODUCTS**

[54] **PROCEDE ET ENSEMBLE DE TRAITEMENT DE L'ATMOSPHERE D'UN STOCKAGE DE PRODUITS VEGETAUX**

[72] SARDO, ALBERTO, FR
[72] SARDO, STEFANO, FR
[71] XEDA INTERNATIONAL S.A., FR
[85] 2018-12-18
[86] 2017-06-20 (PCT/EP2017/065102)
[87] (WO2017/220587)
[30] FR (1655717) 2016-06-20
[30] FR (1658046) 2016-08-30

[21] **3,028,418**
[13] A1

[51] **Int.Cl. G01N 3/42 (2006.01) E21B 49/00 (2006.01) G01N 33/24 (2006.01)**

[25] EN

[54] **NANO-INDENTATION TEST TO DETERMINE MECHANICAL PROPERTIES OF RESERVOIR ROCK**

[54] **TEST DE NANO-INDENTATION POUR DETERMINER LES PROPRIETES MECANIQUES D'UNE ROCHE-RESERVOIR**

[72] HAN, YANHUI, US
[72] ABOUSLEIMAN, YOUNANE N., US
[72] HULL, KATHERINE LEIGH, US
[72] MUNTASHERI, GHAITHAN, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2018-12-18
[86] 2017-06-21 (PCT/US2017/038448)
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[30] US (62/355,646) 2016-06-28

[21] **3,028,435**
[13] A1

[51] **Int.Cl. A61M 1/36 (2006.01) A61K 35/14 (2015.01) A61M 1/38 (2006.01) A61P 7/08 (2006.01)**

[25] EN

[54] **METHODS FOR MANAGING ADVERSE EVENTS IN PATIENT POPULATIONS REQUIRING TRANSFUSION**

[54] **PROCEDES DE GESTION D'EVENEMENTS INDESIRABLES DANS DES POPULATIONS DE PATIENTS NECESSITANT UNE TRANSFUSION**

[72] D'ALESSANDRO, ANGELO, US
[72] CORDERO, RAFAEL, US
[72] DUNHAM, ANDREW, US
[72] KEEGAN, PHILIP, US
[72] YOSHIDA, TATSURO, US
[71] NEW HEALTH SCIENCES, INC., US
[85] 2018-12-18
[86] 2017-06-22 (PCT/US2017/038859)
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[30] US (62/354,041) 2016-06-23

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[21] **3,028,436**
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/167 (2006.01) A61K 31/216 (2006.01) A61K 31/403 (2006.01) A61K 31/445 (2006.01)**

[25] EN

[54] **ADHESIVE MATRIX WITH HYDROPHILIC AND HYDROPHOBIC DOMAINS AND A THERAPEUTIC AGENT**

[54] **MATRICE ADHESIVE A UN DOMAINE HYDROPHILE, UN DOMAINE HYDROPHOBES ET UN AGENT THERAPEUTIQUE**

[72] LEE, EUN SOO, US
[72] JAIN, AMIT K., US
[72] SINGH, PARMINDER, US
[71] CORIUM INTERNATIONAL, INC., US
[85] 2018-12-18
[86] 2017-06-23 (PCT/US2017/038934)
[87] (WO2017/223402)
[30] US (62/353,891) 2016-06-23

[21] **3,028,437**
[13] A1

[51] **Int.Cl. A61K 39/04 (2006.01) A01K 67/02 (2006.01) A61K 39/02 (2006.01) A61K 39/39 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **METHODS OF PRIMING A SUS' IMMUNE SYSTEM**

[54] **PROCEDES D'AMORCAGE D'UN SYSTEME IMMUNITAIRE DE SUS'**

[72] GILBERTIE, AARON, US
[72] BERGER, STEVEN, US
[72] ZUCKERMAN, FEDERICO, US
[71] APTIMMUNE BIOLOGICS, INC., US
[85] 2018-12-18
[86] 2017-06-23 (PCT/US2017/039110)
[87] (WO2017/223510)
[30] US (62/354,534) 2016-06-24

[21] **3,028,438**
[13] A1

[51] **Int.Cl. B01J 37/06 (2006.01) B01J 29/40 (2006.01) B01J 29/70 (2006.01) B01J 29/80 (2006.01) B01J 35/10 (2006.01)**

[25] EN

[54] **MESOPOROUS ZSM-22 FOR INCREASED PROPYLENE PRODUCTION**

[54] **ZEOLITE ZSM-22 MESOPOREUSE POUR LA PRODUCTION ACCRUE DE PROPYLENE**

[72] CANOS, AVELINO CORMA, ES
[72] MARTINEZ-TRIGUERO, JOAQUIN, ES
[71] ALBEMARLE CORPORATION, US
[85] 2018-12-18
[86] 2017-06-24 (PCT/US2017/039158)
[87] (WO2017/223546)
[30] US (62/354,451) 2016-06-24

[21] **3,028,439**
[13] A1

[51] **Int.Cl. A46B 15/00 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **METHOD FOR SAMPLING GINGIVAL METABOLITES**

[54] **PROCEDE D'ECHANTILLONNAGE DE METABOLITES GINGIVAUX**

[72] XIE, SANCAL, US
[72] HAUGHT, JOHN CHRISTIAN, US
[72] TANSKY, CHERYL SUE, US
[72] HUGGINS, THOMAS GLENN, US
[72] WHITE, DONALD JAMES, US
[72] LI, LIJUAN, US
[72] KLUKOWSKA, MALGORZATA, US
[72] FIENO, ANGELA MARIE, US
[72] KHAMBE, DEEPA ASHOK, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-12-18
[86] 2017-06-26 (PCT/US2017/039226)
[87] (WO2018/005335)
[30] US (15/197,505) 2016-06-29

[21] **3,028,440**
[13] A1

[51] **Int.Cl. B66C 1/12 (2006.01) B66B 7/06 (2006.01) B66B 7/12 (2006.01) B66C 15/00 (2006.01) B66D 1/54 (2006.01) D07B 1/14 (2006.01) G01N 29/07 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR MEASURING PROPERTIES OF A ROPE**

[54] **APPAREIL ET PROCEDE POUR MESURER DES PROPRIETES D'UNE CORDE**

[72] PADILLA, LUIS S., US
[72] CONGER, WESLEY, US
[71] ACTUANT CORPORATION, US
[85] 2018-12-18
[86] 2017-06-26 (PCT/US2017/039244)
[87] (WO2017/223555)
[30] US (62/354,497) 2016-06-24
[30] US (62/354,492) 2016-06-24

[21] **3,028,441**
[13] A1

[51] **Int.Cl. C12P 13/22 (2006.01) C12N 1/20 (2006.01) C12N 5/10 (2006.01) C12N 15/52 (2006.01) C12P 7/22 (2006.01)**

[25] EN

[54] **HOST CELLS AND METHODS FOR PRODUCING HYDROXYTYROSOL**

[54] **CELLULES HOTES ET PROCEDES PERMETTANT DE PRODUIRE DE L'HYDROXYTYROSOL**

[72] YOSHIDA, ERIKA, JP
[72] LEE, TAEK SOON, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-12-18
[86] 2017-06-26 (PCT/US2017/039329)
[87] (WO2017/223569)
[30] US (62/354,657) 2016-06-24

Demandes PCT entrant en phase nationale

[21] **3,028,442**
[13] A1

[51] **Int.Cl. B64C 3/00 (2006.01) B64C 9/22 (2006.01) B64D 15/04 (2006.01) B64D 45/00 (2006.01) G01K 7/16 (2006.01) G01K 11/06 (2006.01)**

[25] EN

[54] **TEMPERATURE MONITORING UNIT FOR AIRCRAFT WING STRUCTURE AND ASSOCIATED INSTALLATION METHOD**

[54] **UNITE DE SURVEILLANCE DE TEMPERATURE POUR STRUCTURE D'AILE D'AERONEF ET PROCEDE D'INSTALLATION ASSOCIE**

[72] POLONI, MATTHEW, CA
[72] BRACKIN, ROBERT LEWIS, JR., US
[72] THOMAS, DAVE JAMES, US
[71] BOMBARDIER INC., CA
[85] 2018-12-18
[86] 2017-06-27 (PCT/US2017/039548)
[87] (WO2018/005529)
[30] US (62/356,329) 2016-06-29

[21] **3,028,443**
[13] A1

[51] **Int.Cl. B62D 35/00 (2006.01)**

[25] EN

[54] **APPARATUSES AND METHODS FOR WIRELESS AUTOMATIC OPERATION OF AN AERODYNAMIC DRAG REDUCTION DEVICE**

[54] **APPAREILS ET PROCEDES POUR LE FONCTIONNEMENT AUTOMATIQUE SANS FIL D'UN DISPOSITIF DE REDUCTION DE LA TRAINEE AERODYNAMIQUE**

[72] KRANZ, MARK, US
[72] HARDING, DANIEL, US
[72] HINRICHER, COURT, US
[72] DUNCANSON, AUSTIN, US
[72] POLIDORI, MICHAEL, US
[71] STEMCO PRODUCTS, INC., US
[85] 2018-12-18
[86] 2017-06-28 (PCT/US2017/039680)
[87] (WO2018/005609)
[30] US (62/356,263) 2016-06-29

[21] **3,028,444**
[13] A1

[51] **Int.Cl. E01C 19/44 (2006.01)**

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[54] **SELF-LUBRICATING ASPHALT RAKE**

[54] **RACLE A ASPHALTE AUTO-LUBRIFIANTE**

[72] DELLARIO, MICHAEL S., US
[71] DELLARIO, MICHAEL S., US
[85] 2018-12-18
[86] 2017-06-28 (PCT/US2017/039763)
[87] (WO2018/005652)
[30] US (62/355,452) 2016-06-28
[30] US (15/490,106) 2017-04-18

[21] **3,028,586**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/496 (2006.01) A61K 31/497 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 17/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07D 213/75 (2006.01)**

[25] EN

[54] **WNT INHIBITORS FOR USE IN THE TREATMENT OF FIBROSIS**

[54] **INHIBITEURS DE WNT DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA FIBROSE**

[72] HARRIS, JENNIFER LESLIE, US
[72] GERGELY, PETER, CH
[72] LIU, JUN, US
[72] SVENSSON, ERIC, US
[71] NOVARTIS AG, CH
[85] 2018-12-19
[86] 2017-06-20 (PCT/IB2017/053651)
[87] (WO2017/221142)
[30] US (62/353,098) 2016-06-22

[25] EN

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[54] **INHIBITEURS DE WNT DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA FIBROSE**

[72] HARRIS, JENNIFER LESLIE, US
[72] GERGELY, PETER, CH
[72] LIU, JUN, US
[72] SVENSSON, ERIC, US
[71] NOVARTIS AG, CH
[85] 2018-12-19
[86] 2017-06-20 (PCT/IB2017/053651)
[87] (WO2017/221142)
[30] US (62/353,098) 2016-06-22

[21] **3,028,605**
[13] A1

[51] **Int.Cl. F24S 10/40 (2018.01) F24S 30/425 (2018.01) F24S 40/52 (2018.01) F24S 50/00 (2018.01)**

[25] EN

[54] **AUTOMATIC HYDRAULIC MOTION SYSTEM OF ELEMENTS OF A COMPACT SOLAR COLLECTOR**

[54] **SYSTEME DE MOUVEMENT HYDRAULIQUE AUTOMATIQUE D'ELEMENTS D'UN CAPTEUR SOLAIRE COMPACT**

[72] DI GIANNATALE DANIELE, IT
[72] CORDIVARI, ERCOLE, IT
[71] CORDIVARI S.R.L., IT
[85] 2018-12-19
[86] 2017-08-04 (PCT/IT2017/000166)
[87] (WO2018/055648)
[30] IT (102016000084083) 2016-08-10

[21] **3,028,656**
[13] A1

[51] **Int.Cl. A01N 43/22 (2006.01)**

[25] EN

[54] **MIXTURES OF SABADILLA ALKALOIDS AND BACILLUS THURINGIENSIS AND USES THEREOF**

[54] **MELANGES D'ALCALOIDES DE SEBADILLE ET DE BACILLUS THURINGIENSIS ET UTILISATIONS DE CES MELANGES**

[72] SURANYI, ROBERT A., US
[72] SUNDQUIST, DONALD L., US
[71] MCLAUGHLIN GORMLEY KING COMPANY, US
[85] 2018-12-19
[86] 2017-06-29 (PCT/US2017/039926)
[87] (WO2018/005756)
[30] US (62/357,899) 2016-07-01

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[21] **3,028,662**
[13] A1

[51] **Int.Cl. G05B 19/41 (2006.01) B25J 9/16 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PLANNING PATHS TO GUIDE ROBOTS**

[54] **SYSTEMES ET PROCEDES DE PLANIFICATION DE PARCOURS POUR GUIDER DES ROBOTS**

[72] KESHMIRI, MOHAMMAD, US
[72] BAKMAZJIAN, CHAHE, US
[72] KHAN, WASEEM, US
[71] HYPERTHERM, INC., US

[85] 2018-12-19
[86] 2017-06-20 (PCT/US2017/038287)
[87] (WO2017/223061)
[30] US (62/352,384) 2016-06-20
[30] US (15/627,730) 2017-06-20

[21] **3,028,679**
[13] A1

[51] **Int.Cl. B23H 3/04 (2006.01) B22F 3/105 (2006.01) B23H 9/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MACHINING WORKPIECE OF LATTICE STRUCTURE AND ARTICLE MACHINED THEREFROM**

[54] **SYSTEME ET PROCEDE D'USINAGE D'UNE PIECE DE STRUCTURE EN TREILLIS ET ARTICLE AINSI USINE**

[72] CARTER, WILLIAM THOMAS, US
[72] ERNO, DANIEL JASON, US
[72] TRIMMER, ANDREW LEE, US
[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-19
[86] 2017-05-25 (PCT/US2017/034361)
[87] (WO2018/004895)
[30] US (15/196,165) 2016-06-29

[21] **3,028,680**
[13] A1

[51] **Int.Cl. B01D 53/18 (2006.01) B01D 53/50 (2006.01) B01D 53/79 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR MARINE SULFUR DIOXIDE EMISSION REDUCTION**

[54] **PROCEDES ET SYSTEMES DE REDUCTION DES EMISSIONS DE DIOXYDE DE SOUFRE MARIN**

[72] CODOLUTO, STEPHEN C., US
[72] SUBRAMANIA, VENKATESH, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2018-12-19
[86] 2017-05-26 (PCT/US2017/034612)
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[30] US (62/353,659) 2016-06-23

[21] **3,028,681**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING LIQUEFIED NATURAL GAS**

[54] **SYSTEME ET PROCEDE DE PRODUCTION DE GAZ NATUREL LIQUEFIE**

[72] HU, LISHUN, CN
[72] ZHANG, JIE, CN
[72] ACHARYA, HARISH RADHAKRISHNA, US
[72] XUE, JUNLI, CN
[72] LV, JING, CN
[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-19
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[87] (WO2018/004922)
[30] CN (201610504017.X) 2016-06-30

[21] **3,028,682**
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **CIRCULAR RNAs AND THEIR USE IN IMMUNOMODULATION**

[54] **ARN CIRCULAIRES ET LEUR UTILISATION DANS L'IMMUNOMODULATION**

[72] CHANG, HOWARD Y., US
[72] CHEN, YE GRACE, US
[72] PULENDRAN, BALI, US
[72] KASTURI, SUDHIR, US
[71] EMORY UNIVERSITY, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

[85] 2018-12-19
[86] 2017-06-15 (PCT/US2017/037702)
[87] (WO2017/222911)
[30] US (62/352,471) 2016-06-20

[21] **3,028,683**
[13] A1

[51] **Int.Cl. A61K 38/21 (2006.01) C07K 14/56 (2006.01)**

[25] EN

[54] **PEGYLATED PORCINE INTERFERON AND METHODS OF USE THEREOF**

[54] **INTERFERON PORCIN PEGYLE ET SES PROCEDES D'UTILISATION**

[72] CANNING, PETER CONNOR, US
[72] KNUDSEN, NICKOLAS, US
[72] SKIDMORE, LILLIAN, US
[71] AMBRX, INC., US
[71] ELANCO US INC., US

[85] 2018-12-19
[86] 2017-06-16 (PCT/US2017/037964)
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[30] US (62/352,163) 2016-06-20

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[21] **3,028,685**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61P 35/00 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS**

[54] **COMPOSES HETEROCYCLIQUES UTILISES COMME IMMUNOMODULATEURS**

[72] XIAO, KAIJIONG, US
[72] ZHANG, FENGLI, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[71] INCYTE CORPORATION, US
[85] 2018-12-19
[86] 2017-06-19 (PCT/US2017/038120)
[87] (WO2017/222976)
[30] US (62/352,485) 2016-06-20
[30] US (62/396,353) 2016-09-19

[21] **3,028,687**
[13] A1

[51] **Int.Cl. F24F 13/28 (2006.01) B01D 46/00 (2006.01) B01D 46/12 (2006.01)**

[25] EN

[54] **FILTER FRAME**

[54] **CADRE DE FILTRE**

[72] WHITE, PAUL, CA
[72] LECKELT, LINDSEY, CA
[72] LECKELT, DAN, CA
[72] MERKEL, NEIL, CA
[72] VETSCH, RYAN, CA
[71] REVOLVER 26 INVESTMENT CORPORATION, US
[85] 2018-12-19
[86] 2017-06-21 (PCT/US2017/038474)
[87] (WO2017/223163)
[30] US (62/352,692) 2016-06-21

[21] **3,028,689**
[13] A1

[51] **Int.Cl. C07D 471/02 (2006.01)**

[25] EN

[54] **CRYSTALLINE SOLID FORMS OF A BET INHIBITOR**

[54] **FORMES CRISTALLINES SOLIDES D'UN INHIBITEUR BET**

[72] CHEN, SHILI, US
[72] JIA, ZHONGJIANG, US
[72] LIU, PINGLI, US
[72] QIAO, LEI, US
[72] WU, YONGZHONG, US
[72] ZHOU, JIACHENG, US
[72] LI, QUN, US
[71] INCYTE CORPORATION, US
[85] 2018-12-19
[86] 2017-06-19 (PCT/US2017/038121)
[87] (WO2017/222977)
[30] US (62/352,220) 2016-06-20
[30] US (62/397,575) 2016-09-21

[21] **3,028,691**
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06Q 10/06 (2012.01) G06Q 20/18 (2012.01) G06Q 30/02 (2012.01) G06Q 30/00 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR COMMUNICATING SOURCING INFORMATION TO CUSTOMERS**

[54] **SYSTEMES ET PROCEDES DE COMMUNICATION D'INFORMATIONS D'APPROVISIONNEMENT A DES CONSOMMATEURS**

[72] WILKINSON, BRUCE W., US
[72] MORGAN, STARLA C., US
[72] MATTINGLY, TODD D., US
[71] WALMART APOLLO, LLC, US
[85] 2018-12-19
[86] 2017-06-21 (PCT/US2017/038482)
[87] (WO2017/223168)
[30] US (62/352,858) 2016-06-21
[30] US (62/436,842) 2016-12-20
[30] US (62/485,045) 2017-04-13

[21] **3,028,694**
[13] A1

[51] **Int.Cl. H01M 10/28 (2006.01) H01M 2/16 (2006.01) H01M 2/18 (2006.01) H01M 4/02 (2006.01) H01M 4/24 (2006.01) H01M 4/42 (2006.01)**

[25] EN

[54] **ALKALINE ELECTROCHEMICAL CELL WITH IMPROVED ANODE AND SEPARATOR COMPONENTS**

[54] **CELLULE ELECTROCHIMIQUE ALCALINE A COMPOSANTS ANODE ET SEPARATEUR AMELIORES**

[72] ARMACANQUI, M. EDGAR, US
[72] ROSZKOWSKI, ANDREW J., US
[72] IMHOFF, CASEY, US
[72] CROWE, DONALD RAYMOND, US
[72] EVANS, MATTHEW, US
[72] HADLEY, JOHN, US
[71] SPECTRUM BRANDS, INC., US
[85] 2018-12-19
[86] 2017-06-19 (PCT/US2017/038129)
[87] (WO2017/222982)
[30] US (62/352,243) 2016-06-20

[21] **3,028,695**
[13] A1

[51] **Int.Cl. E21B 10/26 (2006.01) E21B 10/28 (2006.01) E21B 10/30 (2006.01)**

[25] EN

[54] **ROLLER REAMER**

[54] **ALESEUR A ROULEAUX**

[72] MOORE, JONATHAN ADAM, US
[72] ALLEMAN, PADEN JOSEPH, US
[71] HOLE OPENER CORPORATION INTERNATIONAL, US
[85] 2018-12-19
[86] 2017-06-22 (PCT/US2017/038645)
[87] (WO2017/223259)
[30] US (62/353,132) 2016-06-22

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[21] **3,028,702**
[13] A1

[51] **Int.Cl. H04N 21/422 (2011.01)**
[25] EN
[54] **INVERTIBLE METERING APPARATUS AND RELATED METHODS**
[54] **APPAREIL DE DOSAGE REVERSIBLE ET PROCEDES ASSOCIES**
[72] COOPER, TIMOTHY SCOTT, US
[72] VITT, JAMES JOSEPH, US
[72] TURNBOW, DOUGLAS BRENT, US
[72] NIELSEN, CHRISTEN V., US
[72] USAJ, MARKO, SI
[72] BARBIS, ANDREJ, SI
[72] VRANEK, SASO, SI
[71] THE NIELSON COMPANY (US), LLC, US
[85] 2018-12-19
[86] 2017-06-22 (PCT/US2017/038784)
[87] (WO2017/223333)
[30] US (15/192,539) 2016-06-24
[30] US (15/192,554) 2016-06-24
[30] US (15/192,560) 2016-06-24

[21] **3,028,710**
[13] A1

[51] **Int.Cl. G06K 9/46 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED OBJECT RECOGNITION**
[54] **SYSTEMES ET PROCEDES DE RECONNAISSANCE D'OBJET AUTOMATISE**
[72] JOUHIKAINEN, HANNES MIKAEL, US
[72] JACOBS, DREW, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2018-12-19
[86] 2017-06-22 (PCT/US2017/038787)
[87] (WO2017/223335)
[30] US (62/354,059) 2016-06-23

[21] **3,028,713**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**
[25] EN
[54] **IMPROVED METHODS FOR LENTICULAR LASER INCISION**
[54] **METHODES AMELIOREES D'INCISION LENTICULAIRE AU LASER**
[72] MALEK TABRIZI, ALIREZA, US
[72] FU, HONG, US
[72] HILL, JAMES E., US
[72] RAHAMAN, MOHAMMAD SAIDUR, US
[72] WITOWSKI, ZENON, US
[71] AMO DEVELOPMENT, LLC, US
[85] 2018-12-19
[86] 2017-06-22 (PCT/US2017/038836)
[87] (WO2017/223359)
[30] US (62/353,500) 2016-06-22

[21] **3,028,714**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **TREATMENT OF CANAVAN DISEASE**
[54] **TRAITEMENT DE LA MALADIE DE CANAVAN**
[72] SHI, YANHONG, US
[72] CHAO, JIANFEI, US
[72] LI, WENDONG, US
[71] CITY OF HOPE, US
[85] 2018-12-19
[86] 2017-06-22 (PCT/US2017/038853)
[87] (WO2017/223373)
[30] US (62/353,515) 2016-06-22

[21] **3,028,716**
[13] A1

[51] **Int.Cl. G01R 33/48 (2006.01) A61B 5/055 (2006.01) A61N 5/00 (2006.01) A61N 5/10 (2006.01) G01R 33/38 (2006.01) G01R 33/381 (2006.01) G01R 33/3815 (2006.01) G01R 33/483 (2006.01) G01R 33/563 (2006.01) G01R 33/565 (2006.01)**
[25] EN
[54] **MAGNETIC RESONANCE IMAGING AT LOW FIELD STRENGTH**
[54] **IMAGERIE PAR RESONANCE MAGNETIQUE A FAIBLE INTENSITE DE CHAMP**
[72] DEMPSEY, JAMES F., US
[71] VIEWRAY TECHNOLOGIES, INC., US
[85] 2018-12-19
[86] 2017-06-22 (PCT/US2017/038867)
[87] (WO2017/223382)
[30] US (62/353,538) 2016-06-22

[21] **3,028,718**
[13] A1

[51] **Int.Cl. A61K 31/52 (2006.01) A61K 31/497 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPIES**
[54] **POLYTHERAPIES**
[72] KUTOK, JEFFERY L., US
[71] INFINITY PHARMACEUTICALS, INC., US
[85] 2018-12-19
[86] 2017-06-23 (PCT/US2017/038966)
[87] (WO2017/223422)
[30] US (62/354,637) 2016-06-24

[21] **3,028,719**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/50 (2006.01) G01N 33/533 (2006.01)**
[25] EN
[54] **BIOMARKER DETECTION**
[54] **DETECTION DE BIOMARQUEURS**
[72] PODOLY, EREZ, US
[71] SLIVE, INC., US
[85] 2018-12-19
[86] 2017-06-20 (PCT/US2017/038316)
[87] (WO2017/223075)
[30] US (62/352,427) 2016-06-20

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[21] **3,028,721**
[13] A1

[51] **Int.Cl. A61K 47/69 (2017.01) C12N 15/113 (2010.01) B82Y 5/00 (2011.01) C12N 15/85 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR DELIVERY OF BIOMACROMOLECULE AGENTS**

[54] **COMPOSITIONS ET METHODES POUR ADMINISTRER DES AGENTS BIOMACROMOLECULAIRES**

[72] MOON, JAMES J., US

[72] SCHWENDEMAN, ANNA A., US

[72] KUAI, RUI, US

[72] NAM, JUTAEEK, US

[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US

[85] 2018-12-19

[86] 2017-06-20 (PCT/US2017/038333)

[87] (WO2017/223085)

[30] US (62/352,182) 2016-06-20

[30] US (62/398,330) 2016-09-22

[30] US (62/436,865) 2016-12-20

[21] **3,028,724**
[13] A1

[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/16 (2006.01) A61K 31/685 (2006.01) A61P 11/00 (2006.01)**

[25] EN

[54] **SURFACTANT FORMULATIONS FOR INHALATION**

[54] **FORMULATIONS TENSIOACTIVES DESTINEES A L'INHALATION**

[72] LIPP, MICHAEL M., US

[72] KAMERKAR, ABHIJIT, US

[72] GILANI, FAHAD, US

[72] CHAN, HOLLY, US

[72] TAUBER, MICHAEL, US

[71] CIVITAS THERAPEUTICS, INC., US

[85] 2018-12-19

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[87] (WO2017/223502)

[30] US (62/354,382) 2016-06-24

[30] US (62/420,932) 2016-11-11

[21] **3,028,727**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/4162 (2006.01) C07D 487/04 (2006.01)**

[25] EN

[54] **CK2 INHIBITORS, COMPOSITIONS AND METHODS THEREOF**

[54] **INHIBITEURS DE CK2, LEURS COMPOSITIONS ET METHODES ASSOCIEES**

[72] WEBBER, STEPHEN E., US

[72] TAO, XUELIANG, US

[72] BRIN, ELENA, US

[71] POLARIS PHARMACEUTICALS, INC., US

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[86] 2017-06-23 (PCT/US2017/038976)

[87] (WO2017/223432)

[30] US (62/354,308) 2016-06-24

[21] **3,028,728**
[13] A1

[51] **Int.Cl. G06N 5/04 (2006.01) G06Q 20/40 (2012.01) G06N 3/02 (2006.01)**

[25] EN

[54] **NEURAL NETWORK SYSTEMS AND METHODS FOR GENERATING DISTRIBUTED REPRESENTATIONS OF ELECTRONIC TRANSACTION INFORMATION**

[54] **SYSTEMES ET PROCEDES DE RESEAUX NEURONAUX POUR GENERER DES REPRESENTATIONS DISTRIBUEES D'INFORMATIONS DE TRANSACTION ELECTRONIQUE**

[72] SHAMI, MOHAMMAD, US

[72] NEDANOV, BOGDAN, US

[72] ANSTETT, CONOR, US

[72] EDWARDS, JOSHUA, US

[71] CAPITAL ONE SERVICES, LLC, US

[85] 2018-12-19

[86] 2017-06-23 (PCT/US2017/039125)

[87] (WO2017/223522)

[30] US (62/353,859) 2016-06-23

[21] **3,028,729**
[13] A1

[51] **Int.Cl. C02F 1/461 (2006.01) C02F 1/48 (2006.01) C02F 1/58 (2006.01)**

[25] EN

[54] **COMPOSITION AND METHOD FOR TREATING AND REMEDIATING AQUEOUS WASTE STREAMS**

[54] **COMPOSITION ET PROCEDE DE TRAITEMENT ET D'ASSAINISSEMENT DE FLUX DE DECHETS AQUEUX**

[72] CARLSON, LAWRENCE, US

[71] TYGRUS, LLC, US

[85] 2018-12-19

[86] 2017-06-26 (PCT/US2017/039241)

[87] (WO2017/223554)

[30] US (62/354,556) 2016-06-24

[21] **3,028,731**
[13] A1

[51] **Int.Cl. A61K 31/33 (2006.01) A61K 31/395 (2006.01) A61M 11/00 (2006.01) A61P 25/00 (2006.01) A61P 25/30 (2006.01) A61P 25/32 (2006.01)**

[25] EN

[54] **COMPOSITIONS, DEVICES, AND METHODS FOR THE TREATMENT OF ALCOHOL USE DISORDER**

[54] **COMPOSITIONS, DISPOSITIFS ET METHODES POUR LE TRAITEMENT D'UN TROUBLE LIE A L'UTILISATION D'ALCOOL**

[72] CRYSTAL, ROGER, US

[72] AGRAWAL, ARVIND, US

[72] MAGGIO, ED, US

[71] OPIANT PHARMACEUTICALS, INC., US

[71] AEGIS THERAPEUTICS, LLC, US

[85] 2018-12-19

[86] 2017-06-26 (PCT/US2017/039300)

[87] (WO2017/223566)

[30] US (62/354,465) 2016-06-24

[30] US (62/419,736) 2016-11-09

PCT Applications Entering the National Phase

[21] **3,028,732**
[13] A1

[51] **Int.Cl. A61L 27/34 (2006.01) A61L 27/54 (2006.01) A61L 29/08 (2006.01) A61L 29/16 (2006.01) A61L 31/10 (2006.01) A61L 31/16 (2006.01) C08L 33/10 (2006.01) C09D 5/16 (2006.01)**

[25] EN

[54] **DURABLE PHOTOPOLYMERIZABLE CROSS-LINKED ANTI-FOULING COATINGS**

[54] **REVETEMENTS ANTISALISSURES RETICULES PHOTOPOLYMERISABLES DURABLES**

[72] CHENG, ELISE LIN, US
[72] GUYMON, C. ALLAN, US
[72] HANSEN, MARLAN R., US
[72] LEIGH, BRADEN, US
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US

[85] 2018-12-19
[86] 2017-06-24 (PCT/US2017/039153)
[87] (WO2017/223544)
[30] US (62/354,527) 2016-06-24

[21] **3,028,733**
[13] A1

[51] **Int.Cl. C12Q 1/04 (2006.01) C12Q 1/18 (2006.01) C12Q 1/34 (2006.01)**

[25] EN

[54] **COMPOSITIONS, METHODS, SYSTEMS AND/OR KITS FOR DETECTING ANTIMICROBIAL RESISTANCE IN BACTERIA**

[54] **COMPOSITIONS, PROCEDES, SYSTEMES ET/OU KITS PERMETTANT DE DETECTER UNE RESISTANCE ANTIMICROBIENNE CHEZ DES BACTERIES**

[72] BRASSO, WILLIAM B., US
[72] TURNER, DAVID J., US
[72] KIRCHER, SUSAN M., US
[72] ALRASHIDI-BROOKS, FATIMAH, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2018-12-19
[86] 2017-06-26 (PCT/US2017/039305)
[87] (WO2018/005370)
[30] US (62/355,169) 2016-06-27
[30] US (62/443,590) 2017-01-06
[30] US (62/466,987) 2017-03-03

[21] **3,028,735**
[13] A1

[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/3577 (2014.01) G01N 21/552 (2014.01) E21B 49/08 (2006.01) G01N 33/28 (2006.01) G01N 21/359 (2014.01) G01J 3/427 (2006.01) G01N 21/85 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR ANALYZING COMPOSITION IN OIL AND GAS PRODUCTION WELL**

[54] **APPAREIL ET PROCEDE D'ANALYSE DE COMPOSITION DANS UN Puits DE PRODUCTION DE PETROLE ET DE GAZ**

[72] MAITY, SANDIP, IN
[72] KAVOORI SETHUMADHAVAN, NAGAPRIYA, IN
[72] GHOSH, SAMPA, IN
[72] MUKHERJEE, MOITRAYEE, IN

[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-19
[86] 2017-06-27 (PCT/US2017/039461)
[87] (WO2018/005465)
[30] IN (201641022386) 2016-06-29

[21] **3,028,736**
[13] A1

[51] **Int.Cl. A61L 27/52 (2006.01) C12N 5/0735 (2010.01) A61K 35/12 (2015.01) A61K 35/39 (2015.01) A61L 27/24 (2006.01) A61L 27/54 (2006.01) A61L 27/56 (2006.01) C08J 3/24 (2006.01)**

[25] EN

[54] **SPHEROIDS INCLUDING BIOLOGICALLY-RELEVANT MATERIALS AND RELATED METHODS**

[54] **SPHEROIDES COMPRENANT DES MATERIAUX D'INTERET BIOLOGIQUE ET PROCEDES ASSOCIES**

[72] WILLIAMS, STUART K., US
[72] GETTLER, BRIAN C., US
[72] ZAKHARI, JOSEPH S., US
[72] GANDHI, PIYANI S., US

[71] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US

[85] 2018-12-19
[86] 2017-06-27 (PCT/US2017/039483)
[87] (WO2018/005477)
[30] US (62/354,929) 2016-06-27
[30] US (62/422,694) 2016-11-16

[21] **3,028,737**
[13] A1

[51] **Int.Cl. B01D 1/00 (2006.01) C02F 1/10 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD TO REMOVE SOLIDS AND LIQUID CONTAMINANTS FROM A PROCESS STREAM BY MIXING THE STREAM WITH A HEATING MEDIUM, AND APPLICATIONS THEREOF**

[54] **SYSTEME ET PROCEDE POUR ELIMINER DES SOLIDES ET DES CONTAMINANTS LIQUIDES D'UN FLUX DE TRAITEMENT PAR MELANGE DU FLUX AVEC UN MILIEU DE CHAUFFAGE, ET LEURS APPLICATIONS**

[72] ZHENG, Z. FRANK, US
[72] KING, CHRISTOPHER STEPHEN, US
[72] NEMMARA, HARIHARA V., US
[72] HENLEY, MATTHEW S., US
[72] MESSENGER, BRIAN EDWARD, GB

[71] CAMERON SOLUTIONS, INC., US

[85] 2018-12-19
[86] 2017-06-27 (PCT/US2017/039490)
[87] (WO2018/005483)
[30] US (15/193,839) 2016-06-27
[30] US (15/193,872) 2016-06-27
[30] US (15/193,813) 2016-06-27
[30] US (15/193,723) 2016-06-27
[30] US (15/193,771) 2016-06-27

[21] **3,028,738**
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PRODUCING LIQUEFIED NATURAL GAS**

[54] **SYSTEME ET PROCEDE DE PRODUCTION DE GAZ NATUREL LIQUEFIE**

[72] HU, LISHUN, CN
[72] ZHANG, JIE, CN
[72] XUE, JUNLI, CN
[72] ACHARYA, HARISH RADHAKRISHNA, US

[72] LV, JING, CN
[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-19
[86] 2017-06-28 (PCT/US2017/039711)
[87] (WO2018/005626)
[30] CN (201610502505.7) 2016-06-30

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[21] **3,028,739**
[13] A1

[51] **Int.Cl. A61K 31/664 (2006.01) A61K 31/661 (2006.01) A61P 31/04 (2006.01) C07F 9/40 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL COMPOUNDS AND METHODS OF USE**

[54] **COMPOSES ANTIMICROBIENS ET LEURS PROCEDES D'UTILISATION**

[72] BURZELL, CYNTHIA K., US

[71] AEQUOR, INC., US

[85] 2018-12-19

[86] 2017-06-28 (PCT/US2017/039783)

[87] (WO2018/005659)

[30] US (62/355,825) 2016-06-28

[21] **3,028,741**
[13] A1

[51] **Int.Cl. E21B 33/05 (2006.01) E21B 33/068 (2006.01) E21B 33/16 (2006.01)**

[25] EN

[54] **PLUG LAUNCHING SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE LANCER DE BOUCHON**

[72] GENOVESE, CORY, CA

[72] TAVAKOLI, FARZAN, CA

[71] NABORS DRILLING TECHNOLOGIES USA, INC., US

[85] 2018-12-19

[86] 2017-06-28 (PCT/US2017/039813)

[87] (WO2018/005683)

[30] US (62/355,798) 2016-06-28

[30] US (15/634,945) 2017-06-27

[21] **3,028,742**
[13] A1

[51] **Int.Cl. A01N 65/12 (2009.01) A01N 65/40 (2009.01) A01N 65/42 (2009.01)**

[25] EN

[54] **MIXTURES OF SABADILLA ALKALOIDS AND PYRETHRUM AND USES THEREOF**

[54] **MELANGES D'ALCALOIDES DE SEBADILLE ET DE PYRETHRE ET LEURS UTILISATIONS**

[72] SUNDQUIST, DONALD L., US

[72] SURANYI, ROBERT A., US

[71] MCLAUGHLIN GORMLEY KING COMPANY, US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/039895)

[87] (WO2018/005736)

[30] US (62/357,887) 2016-07-01

[21] **3,028,744**
[13] A1

[51] **Int.Cl. A01N 43/90 (2006.01) A01N 43/00 (2006.01) A01N 53/00 (2006.01) A01N 53/02 (2006.01)**

[25] EN

[54] **MIXTURES OF SABADILLA ALKALOIDS AND PYRETHROIDS AND USES THEREOF**

[54] **MELANGES D'ALCALOIDES DE SEBADILLE ET DE PYRETHROIDES ET UTILISATIONS DE CES MELANGES**

[72] SURANYI, ROBERT A., US

[72] SUNDQUIST, DONALD L., US

[71] MCLAUGHLIN GORMLEY KING COMPANY, US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/039897)

[87] (WO2018/005738)

[30] US (62/357,890) 2016-07-01

[21] **3,028,745**
[13] A1

[51] **Int.Cl. A01N 65/40 (2009.01)**

[25] EN

[54] **MIXTURES OF SABADILLA ALKALOIDS AND DILL SEED OIL AND USES THEREOF**

[54] **MELANGES D'ALCALOIDES DE SEBADILLE ET D'ESSENCE D'ANETH ET LEURS UTILISATIONS**

[72] SURANYI, ROBERT A., US

[72] SUNDQUIST, DONALD L., US

[71] MCLAUGHLIN GORMLEY KING COMPANY, US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/039901)

[87] (WO2018/005739)

[30] US (62/357,894) 2016-07-01

[21] **3,028,746**
[13] A1

[51] **Int.Cl. A01N 65/40 (2009.01)**

[25] EN

[54] **MIXTURES OF SABADILLA ALKALOIDS AND SPINOSYNS AND USES THEREOF**

[54] **MELANGES D'ALCALOIDES DE SEBADILLE ET DE SPINOSYNS ET UTILISATIONS DE CES MELANGES**

[72] SURANYI, ROBERT A., US

[72] SUNDQUIST, DONALD L., US

[71] MCLAUGHLIN GORMLEY KING COMPANY, US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/039904)

[87] (WO2018/005742)

[30] US (62/357,896) 2016-07-01

[21] **3,028,747**
[13] A1

[51] **Int.Cl. A01N 65/40 (2009.01)**

[25] EN

[54] **MIXTURES OF SABADILLA ALKALOIDS AND AZADIRACHTIN AND USES THEREOF**

[54] **MELANGES D'ALCALOIDES DE SEBADILLE ET D'AZADIRACHTINE ET UTILISATIONS DE CES MELANGES**

[72] SURANYI, ROBERT A., US

[72] SUNDQUIST, DONALD L., US

[71] MCLAUGHLIN GORMLEY KING COMPANY, US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/039914)

[87] (WO2018/005748)

[30] US (62/357,898) 2016-07-01

PCT Applications Entering the National Phase

[21] **3,028,748**
[13] A1

[51] **Int.Cl. C09D 5/03 (2006.01) A01N 41/12 (2006.01) A01N 43/52 (2006.01) C09D 5/14 (2006.01)**

[25] EN

[54] **HIGH PERFORMANCE COATINGS FOR BUILDING PANELS**

[54] **REVETEMENTS A HAUTE EFFICACITE DESTINES A DES PANNEAUX DE CONSTRUCTION**

[72] MASIA, STEVEN L., US

[72] WANG, MICHELLE X., US

[72] CALDWELL, KENNETH G., US

[71] ARMSTRONG WORLD INDUSTRIES, INC., US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/040051)

[87] (WO2018/005827)

[30] US (62/356,154) 2016-06-29

[30] US (62/468,707) 2017-03-08

[21] **3,028,751**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) C07D 487/14 (2006.01)**

[25] EN

[54] **PYRIMIDINE-BASED ANTIPROLIFERATIVE AGENTS**

[54] **AGENTS ANTIPROLIFERATIFS A BASE DE PYRIMIDINE**

[72] STRUM, JAY COPELAND, US

[72] JUNG, DAVID, US

[71] G1 THERAPEUTICS, INC., US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/040093)

[87] (WO2018/005860)

[30] US (62/357,630) 2016-07-01

[21] **3,028,752**
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) C07D 487/14 (2006.01) C07D 487/20 (2006.01)**

[25] EN

[54] **SYNTHESIS OF N-(HETEROARYL)-PYRROLO[3,2-D]PYRIMIDIN-2-AMINES**

[54] **SYNTHESE DE N-(HETEROARYL)-PYRROLO[3,2-D]PYRIMIDIN-2-AMINES**

[72] SMITH, ALEXANDER, US

[72] WHITE, HANNAH S., US

[72] TAVARES, FRANCIS XAVIER, US

[72] KRASUTSKY, SERGIY, US

[72] CHEN, JIAN-XIE, US

[72] DORROW, ROBERTA L., US

[72] ZHONG, HUA, US

[71] G1 THERAPEUTICS, INC., US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/040102)

[87] (WO2018/005865)

[30] US (62/357,797) 2016-07-01

[21] **3,028,754**
[13] A1

[51] **Int.Cl. C09D 5/00 (2006.01)**

[25] EN

[54] **ELECTRODEPOSITABLE COATING COMPOSITION HAVING IMPROVED CRATER CONTROL**

[54] **COMPOSITION DE REVETEMENT ELECTRODEPOSABLE A CONTROLE DE CRATERE AMELIORE**

[72] ESWARAKRISHNAN, VENKATACHALAM, US

[72] KAYLO, ALAN J., US

[72] BICE, JO-ANN E., US

[72] WILSON, CRAIG A., US

[72] SZYMANSKI, CHESTER J., US

[72] LEWAND, ALYCIA, US

[72] SWANGER, JOSEPH R., US

[71] PPG INDUSTRIES OHIO, INC., US

[85] 2018-12-19

[86] 2017-06-29 (PCT/US2017/040111)

[87] (WO2018/005869)

[30] US (62/356,835) 2016-06-30

[30] US (15/637,064) 2017-06-29

[21] **3,028,756**
[13] A1

[51] **Int.Cl. H04N 7/10 (2006.01)**

[25] EN

[54] **PASSIVE ENHANCED MOCA ENTRY DEVICE**

[54] **DISPOSITIF D'ENTREE PASSIF AMELIORE POUR MOCA**

[72] BAILEY, PAUL, US

[72] LI, YAN, US

[72] WELLS, CHAD, US

[71] PPC BROADBAND, INC., US

[85] 2018-12-19

[86] 2017-06-30 (PCT/US2017/040260)

[87] (WO2018/005951)

[30] US (62/356,937) 2016-06-30

[21] **3,028,758**
[13] A1

[51] **Int.Cl. G01N 21/31 (2006.01) G01B 9/02 (2006.01) G01J 3/45 (2006.01) G01N 21/47 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR INTERROGATING PARAMETERS AT A PLURALITY OF LOCATIONS IN A SAMPLE**

[54] **SYSTEMES ET PROCEDES D'INTERROGATION DE PARAMETRES A UNE PLURALITE D'EMPLACEMENTS DANS UN ECHANTILLON**

[72] BEKAL, ANISH, IN

[72] SHARMA, RACHIT, IN

[72] VARTAK, SAMEER DINKAR, IN

[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-19

[86] 2017-06-30 (PCT/US2017/040325)

[87] (WO2018/005987)

[30] IN (201641022596) 2016-06-30

Demandes PCT entrant en phase nationale

[21] **3,028,768**
[13] A1

[51] **Int.Cl. C22B 3/04 (2006.01) C22B 3/12 (2006.01) C22B 3/14 (2006.01)**

[25] EN

[54] **METHOD FOR LEACHING PRECIOUS METALS CONTAINING ORES USING THIOSULFATE COMPOUNDS AND ALKALINE EARTH METALS HYDROXIDES**

[54] **PROCEDE DE LIXIVIATION DE MINERAIS CONTENANT DES METAUX PRECIEUX A L'AIDE DE COMPOSES THIOSULFATE ET D'HYDROXYDES DE METAUX ALCALINO-TERREUX**

[72] PIVAZYAN, ARMAN, US

[71] PIVAZYAN, ARMAN, US

[85] 2018-12-19

[86] 2017-07-05 (PCT/US2017/040710)

[87] (WO2018/009536)

[30] US (62/358,514) 2016-07-05

[30] US (62/366,197) 2016-07-25

[21] **3,028,771**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 38/51 (2006.01) C12N 9/88 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/52 (2006.01) C12N 15/60 (2006.01) C12Q 1/527 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **HUMAN-ENZYME MEDIATED DEPLETION OF CYSTINE FOR TREATING PATIENTS WITH CYSTINURIA**

[54] **DEPLETION DE CYSTINE MEDIEE PAR UNE ENZYME HUMAINE POUR LE TRAITEMENT DE PATIENTS SOUFFRANT DE CYSTINURIE**

[72] STONE, EVERETT, US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2018-12-19

[86] 2017-07-06 (PCT/US2017/040897)

[87] (WO2018/009663)

[30] US (62/359,018) 2016-07-06

[21] **3,028,784**
[13] A1

[51] **Int.Cl. B01J 4/00 (2006.01) B01J 6/00 (2006.01) B01J 8/00 (2006.01) C22C 29/00 (2006.01) C22C 29/02 (2006.01) C22C 29/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MAKING CERAMIC POWDERS**

[54] **SYSTEMES ET PROCEDES DE FABRICATION DE POUDRE CERAMIQUE**

[72] SHANTA, CHARLES ROBERT, III., US

[72] MCMILLEN, JAMES C., US

[72] SWORTS, LANCE M., US

[72] MOSSER, BENJAMIN D., US

[71] ALCOA USA CORP., US

[85] 2018-12-19

[86] 2017-07-07 (PCT/US2017/041057)

[87] (WO2018/009769)

[30] US (62/360,079) 2016-07-08

[21] **3,028,786**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 5/077 (2010.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12N 15/861 (2006.01) C12N 15/869 (2006.01)**

[25] EN

[54] **VECTOR-MEDIATED IMMUNE TOLERANCE IN THE EYE**

[54] **TOLERANCE IMMUNITAIRE INDUITE PAR DES VECTEURS DANS L'OEIL**

[72] HIRSCH, MATTHEW LOUIS, US

[72] GILGER, BRIAN CHRISTOPHER, US

[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US

[71] NORTH CAROLINA STATE UNIVERSITY, US

[85] 2018-12-19

[86] 2017-07-26 (PCT/US2017/043831)

[87] (WO2018/022683)

[30] US (62/366,822) 2016-07-26

[21] **3,028,789**
[13] A1

[51] **Int.Cl. B65D 5/42 (2006.01)**

[25] EN

[54] **PIZZA BOX**

[54] **BOITE A PIZZA**

[72] VINCENT, JACK EDWARD, AU

[71] AOTUS HOLDINGS PTY LTD, AU

[85] 2018-12-20

[86] 2016-06-21 (PCT/AU2016/050524)

[87] (WO2016/205877)

[30] AU (2015902430) 2015-06-24

[30] AU (2015100884) 2015-07-03

[21] **3,028,793**
[13] A1

[51] **Int.Cl. E04C 3/12 (2006.01) E04B 1/38 (2006.01) E04C 3/30 (2006.01) E04C 3/36 (2006.01) E04C 3/42 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR CONNECTING TIMBER FLANGES**

[54] **APPAREIL ET PROCEDES DE RACCORDEMENT DE BRIDES EN BOIS**

[72] THORNTON, PATRICK, AU

[71] LOGGO IP PTY LTD, AU

[85] 2018-12-20

[86] 2017-01-29 (PCT/AU2017/050073)

[87] (WO2018/000019)

[30] AU (2016902510) 2016-06-27

[30] AU (2016904579) 2016-11-09

[30] US (62/419,827) 2016-11-09

[21] **3,028,796**
[13] A1

[51] **Int.Cl. F16K 3/02 (2006.01) F16K 27/04 (2006.01)**

[25] EN

[54] **GATE VALVE WITH VALVE BODY LINER**

[54] **ROBINET-VANNE AVEC REVETEMENT DE CORPS DE VANNE**

[72] JULIEN, GERARD, AU

[71] AUSTRALIAN RUBBER PRODUCTS PTY LTD, AU

[85] 2018-12-20

[86] 2017-04-05 (PCT/AU2017/050295)

[87] (WO2017/173492)

[30] AU (2016901287) 2016-04-07

[21] **3,028,800**
[13] A1

[51] **Int.Cl. B63H 25/38 (2006.01) B63B 1/28 (2006.01)**

[25] EN

[54] **UNDERWATER APPENDAGE ASSEMBLY**

[54] **ENSEMBLE FORMANT APPENDICE SOUS-MARIN**

[72] DANE, ROBERT, AU

[71] SOLAR SAILOR PTY LTD, AU

[85] 2018-12-20

[86] 2017-06-29 (PCT/AU2017/050672)

[87] (WO2018/000042)

[30] AU (2016902543) 2016-06-29

PCT Applications Entering the National Phase

[21] **3,028,802**
[13] A1

[51] **Int.Cl. A47G 19/02 (2006.01) F28D 20/00 (2006.01) F28D 20/02 (2006.01)**

[25] EN

[54] **DOUBLE-WALLED CROCKERY PROVIDED WITH A POUCH FILLED WITH PHASE-CHANGE MATERIAL**

[54] **VAISSELLE A DOUBLE PAROI POURVUE D'UNE POCHE REMPLIE D'UN MATERIAU A CHANGEMENT DE PHASE**

[72] REDJAL, KARIM, BE
[72] SPELEERS, POL, BE
[71] PROBALCO BVBA, BE
[85] 2018-12-20
[86] 2017-06-29 (PCT/BE2017/000032)
[87] (WO2018/000055)
[30] BE (BE2016/5522) 2016-06-30

[21] **3,028,807**
[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 38/08 (2019.01) C07K 5/00 (2006.01) C07K 5/06 (2006.01) C07K 5/08 (2006.01) C07K 7/00 (2006.01)**

[25] EN

[54] **NOVEL CYCLIC PEPTIDES AND USES THEREOF**

[54] **NOUVEAUX PEPTIDES CYCLIQUES ET LEURS UTILISATIONS**

[72] LUBELL, WILLIAM D., CA
[72] ONG, HUY, CA
[72] ZHANG, JINQIANG, CN
[72] MULUMBA, DILAN MUKANDILA, CA
[72] MARLEAU, SYLVIE, CA
[72] OHM, RAGNHILD GAARD, DK
[72] AHSANULLAH, CA
[72] OMRI, SAMY, CA
[72] CHINGLE, RAMESH, US
[71] VALORISATION-RECHERCHE, LIMITED PARTNERSHIP, CA
[85] 2018-12-20
[86] 2017-06-28 (PCT/CA2017/000163)
[87] (WO2018/000079)
[30] US (62/355,496) 2016-06-28
[30] US (62/383,016) 2016-09-02

[21] **3,028,809**
[13] A1

[51] **Int.Cl. A47G 19/02 (2006.01) B29C 45/00 (2006.01) F28D 20/00 (2006.01) F28D 20/02 (2006.01)**

[25] EN

[54] **POUCH FILLED WITH PHASE-CHANGE MATERIAL AND METHOD FOR MANUFACTURE THEREOF**

[54] **POCHE REMPLIE D'UN MATERIAU A CHANGEMENT DE PHASE ET SON PROCEDE DE FABRICATION**

[72] REDJAL, KARIM, BE
[72] SPELEERS, POL, BE
[71] PROBALCO BVBA, BE
[85] 2018-12-20
[86] 2017-06-29 (PCT/BE2017/000033)
[87] (WO2018/000056)
[30] BE (BE2016/5527) 2016-06-30

[21] **3,028,811**
[13] A1

[51] **Int.Cl. G01V 3/08 (2006.01) G01B 7/004 (2006.01) H01F 37/00 (2006.01) H03K 17/96 (2006.01)**

[25] EN

[54] **TOUCH SENSOR DEVICE AND METHOD**

[54] **DISPOSITIF ET PROCEDE DE CAPTEUR TACTILE**

[72] DAVID, ALBERT M., CA
[72] PAVLOV, GUEORGUI, CA
[72] MCCULLOCH, ROBERT DONALD, CA
[71] 1004335 ONTARIO INC. C.O.B. AS A D METRO, CA
[85] 2018-12-20
[86] 2017-05-19 (PCT/CA2017/050606)
[87] (WO2017/219124)
[30] US (15/190,329) 2016-06-23

[21] **3,028,812**
[13] A1

[51] **Int.Cl. H01M 10/659 (2014.01) C09K 5/06 (2006.01) H01M 2/10 (2006.01)**

[25] EN

[54] **CELL CARRIER COMPRISING PHASE CHANGE MATERIAL**

[54] **SUPPORT DE CELLULES COMPRENANT UN MATERIAU A CHANGEMENT DE PHASE**

[72] LOKHORST, DAVID, CA
[71] CORVUS ENERGY INC., CA
[85] 2018-12-20
[86] 2017-06-20 (PCT/CA2017/050754)
[87] (WO2017/219135)
[30] US (62/352,211) 2016-06-20

[21] **3,028,813**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 35/768 (2015.01) A61K 35/66 (2015.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) A61P 37/02 (2006.01) C12N 5/0783 (2010.01) C07K 16/28 (2006.01) C12N 7/01 (2006.01)**

[25] EN

[54] **ADOPTIVE CELL TRANSFER AND ONCOLYTIC VIRUS COMBINATION THERAPY**

[54] **TRANSFERT CELLULAIRE ADOPTIF ET TRAITEMENT COMBINE PAR VIRUS ONCOLYTIQUES**

[72] WAN, YONGHONG, CA
[72] WALSH, SCOTT, CA
[72] CHEN, LAN, CA
[72] SALEM, OMAR, CA
[72] SIMOVIC, BORIS, CA
[71] MCMASTER UNIVERSITY, CA
[85] 2018-12-20
[86] 2017-06-23 (PCT/CA2017/050772)
[87] (WO2017/219150)
[30] US (62/354,506) 2016-06-24

[21] **3,028,814**
[13] A1

[51] **Int.Cl. H04W 68/02 (2009.01)**

[25] EN

[54] **SYSTEM AND METHOD OF REBROADCASTING MESSAGES FOR RELIABLE VEHICULAR COMMUNICATIONS**

[54] **SYSTEME ET PROCEDE DE REDIFFUSION DE MESSAGES, POUR DES COMMUNICATIONS VEHICULAIRES FIABLES**

[72] ZHUANG, WEIHUA, CA
[72] BHARATI, SAILESH, CA
[72] OMAR, HASSAN ABOUBAKR, CA
[71] ZHUANG, WEIHUA, CA
[71] BHARATI, SAILESH, CA
[71] OMAR, HASSAN ABOUBAKR, CA
[85] 2018-12-20
[86] 2017-06-27 (PCT/CA2017/050773)
[87] (WO2018/000084)
[30] US (62/493,224) 2016-06-27

Demandes PCT entrant en phase nationale

[21] **3,028,815**
[13] A1

[51] **Int.Cl. A61K 31/496 (2006.01) C07C 233/64 (2006.01) C07D 241/04 (2006.01)**

[25] EN
[54] **THERAPEUTIC COMPOUNDS**
[54] **COMPOSES THERAPEUTIQUES**
[72] WELSH, WILLIAM J., US
[72] BIRGE, RAYMOND, US
[72] KHOLODOVYCH, VLADYSLAV, US
[72] PENG, YOUYI, US
[72] COMOLLO, THOMAS WALTER, US
[72] KIMANI, STANLEY G., US
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[71] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US
[85] 2018-12-19
[86] 2017-06-16 (PCT/US2017/037895)
[87] (WO2017/222930)
[30] US (62/352,499) 2016-06-20

[21] **3,028,816**
[13] A1

[51] **Int.Cl. B65D 1/34 (2006.01) B31B 50/72 (2017.01) B31F 7/00 (2006.01) B65D 5/56 (2006.01) B65D 5/62 (2006.01) B65D 65/42 (2006.01)**

[25] EN
[54] **CONTAINER WITH EDGE PROTECTION FEATURES**
[54] **RECIPIENT AYANT DES CARACTERISTIQUES DE SAILLIE DES BORDS**
[72] WALSH, JOSEPH C., US
[72] SCHLAUCH, MICHAEL L., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2018-12-19
[86] 2017-08-03 (PCT/US2017/045263)
[87] (WO2018/027012)
[30] US (62/371,410) 2016-08-05

[21] **3,028,817**
[13] A1

[51] **Int.Cl. C12N 15/29 (2006.01) C12N 15/113 (2010.01) A01H 1/06 (2006.01) A01H 5/00 (2018.01) C07K 14/415 (2006.01) C12N 1/19 (2006.01) C12N 5/10 (2006.01) C12N 9/00 (2006.01) C12N 15/00 (2006.01) C12N 15/52 (2006.01) C12N 15/63 (2006.01) C12N 15/80 (2006.01) C12N 15/82 (2006.01) C12P 13/00 (2006.01) C12P 17/00 (2006.01) C12P 17/10 (2006.01) C12P 17/18 (2006.01)**

[25] EN
[54] **POLYNUCLEOTIDES AND POLYPEPTIDES USEFUL FOR MAKING ALKALOID COMPOUNDS**
[54] **POLYNUCLEOTIDES ET POLYPEPTIDES UTILES POUR LA FABRICATION DE COMPOSES ALCALOIDES**
[72] FACCHINI, PETER JAMES, CA
[72] TUCKER, JOSEPH E., CA
[71] SERTURNER CORP., US
[71] INTREXON CORPORATION, US
[85] 2018-12-20
[86] 2017-06-27 (PCT/CA2017/050779)
[87] (WO2018/000089)
[30] US (62/355,022) 2016-06-27
[30] US (62/433,431) 2016-12-13
[30] US (62/514,104) 2017-06-02

[21] **3,028,818**
[13] A1

[51] **Int.Cl. B64F 1/32 (2006.01) B64F 1/22 (2006.01) E01F 13/00 (2006.01) E04H 6/44 (2006.01) G01G 19/07 (2006.01)**

[25] EN
[54] **LOCATION FOR UNMANNED AERIAL VEHICLE LANDING AND TAKING OFF**
[54] **LOCALISATION D'ATTERRISSAGE ET DE DECOLLAGE D'UN VEHICULE AERIEN SANS PILOTE**
[72] DI BENEDETTO, PAUL, CA
[72] COLACITI, GREGORY, CA
[71] DRONE DELIVERY CANADA CORP., CA
[85] 2018-12-20
[86] 2017-06-27 (PCT/CA2017/050777)
[87] (WO2018/000087)
[30] US (62/355,024) 2016-06-27
[30] US (15/299,923) 2016-10-21

[21] **3,028,819**
[13] A1

[51] **Int.Cl. B24D 9/08 (2006.01) B24B 45/00 (2006.01) B24D 13/20 (2006.01)**

[25] EN
[54] **TOOL WITH TOOL ELEMENTS**
[54] **OUTIL AVEC ELEMENTS D'OUTIL**
[72] JESPERSEN, POUL ERIK, DK
[71] FLEX TRIM A/S, DK
[85] 2018-11-27
[86] 2017-05-31 (PCT/DK2017/050180)
[87] (WO2017/207008)
[30] DK (PA 2016 70391) 2016-05-31

[21] **3,028,820**
[13] A1

[51] **Int.Cl. B60T 13/26 (2006.01) B60T 17/18 (2006.01)**

[25] EN
[54] **AIR BRAKE ADJUSTMENT TOOL AND VEHICLE GENERAL MULTI-TOOL**
[54] **OUTIL DE REGLAGE DE FREIN A AIR ET OUTIL MULTIPLE GENERAL POUR VEHICULE**
[72] OBAL, MICHAEL, CA
[71] OBAL, MICHAEL, CA
[85] 2018-12-20
[86] 2017-07-10 (PCT/CA2017/050834)
[87] (WO2018/010020)
[30] US (62/360,689) 2016-07-11

[21] **3,028,821**
[13] A1

[51] **Int.Cl. G11C 16/06 (2006.01)**

[25] EN
[54] **DATA PROCESSING METHOD, STORAGE APPARATUS, SOLID STATE DISK, AND STORAGE SYSTEM**
[54] **PROCEDE DE TRAITEMENT DE DONNEES, APPAREIL DE STOCKAGE, DISQUE A ETAT SOLIDE ET SYSTEME DE STOCKAGE**
[72] WU, LIMING, CN
[72] YAO, JIANYE, CN
[72] HUANG, BIN, CN
[72] CAO, HONGQIANG, CN
[72] XU, CHAO, CN
[72] LI, YIBIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-12-20
[86] 2016-06-24 (PCT/CN2016/087096)
[87] (WO2017/219364)

PCT Applications Entering the National Phase

[21] **3,028,822**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **MECHANISTIC TARGET OF RAPAMYCIN SIGNALING PATHWAY INHIBITORS AND THERAPEUTIC APPLICATIONS THEREOF**

[54] **CIBLE MECANISTE D'INHIBITEURS DE LA VOIE DE SIGNALISATION DE LA RAPAMYCINE ET SES APPLICATIONS THERAPEUTIQUES**

[72] GUO, CHUANGXING, US

[72] TONG, YOUZHI, US

[71] SUZHOU KINTOR PHARMACEUTICALS, INC., CN

[85] 2018-12-20

[86] 2017-05-17 (PCT/CN2017/084683)

[87] (WO2017/219800)

[30] US (62354754) 2016-06-25

[21] **3,028,823**
[13] A1

[51] **Int.Cl. B29C 55/06 (2006.01)**

[25] EN

[54] **PLANT COMPRISING A TWIN-SCREW EXTRUDER FOR THE CONTINUOUS PRODUCTION OF ROLLS OF PLASTIC STRETCH FILM**

[54] **INSTALLATION COMPRENANT UNE EXTRUDEUSE A DEUX VIS POUR LA PRODUCTION CONTINUE DE ROULEAUX DE FILM ETIRABLE EN PLASTIQUE**

[72] MENCARELLI, MAURIZIO, IT

[71] COLINES AIR BUBBLE S.R.L., IT

[85] 2018-12-20

[86] 2016-06-27 (PCT/EP2016/064818)

[87] (WO2018/001447)

[21] **3,028,824**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SUBSTITUTED PYRROLO[2,3-D]PYRIDAZIN-4-ONES AND PYRAZOLO[3,4-D]PYRIDAZIN-4-ONES AS PROTEIN KINASE INHIBITORS**

[54] **UTILISATION DES COMPOSES PYRROLO[2,3-D]PYRIDAZIN-4-ONES ET PYRAZOLO[3,4-D]PYRIDAZIN-4-ONES SUBSTITUES COMME INHIBITEURS DE PROTEINES KINASES**

[72] ZHAO, XINGDONG, CN

[72] ZHANG, WEIPENG, CN

[72] CHEN, ZHIFANG, CN

[72] CHEN, LING, CN

[72] WANG, XIANLONG, CN

[72] LI, ZHIFU, CN

[72] TAN, RUI, CN

[72] YANG, LIJUN, CN

[72] TAN, HAOHAN, CN

[72] LIU, BIN, CN

[72] RAN, KAI, CN

[72] ZOU, ZONGYAO, CN

[72] LIN, MIN, CN

[72] SUN, JING, CN

[72] WANG, WEIBO, US

[71] SHANGHAI FOCHON PHARMACEUTICAL CO., LTD., CN

[71] FOCHON PHARMACEUTICALS, LTD., CN

[85] 2018-12-20

[86] 2017-06-20 (PCT/CN2017/089123)

[87] (WO2017/219955)

[30] US (62/353,535) 2016-06-22

[30] US (62/412,768) 2016-10-25

[21] **3,028,825**
[13] A1

[51] **Int.Cl. E21B 7/02 (2006.01) E21B 15/04 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR POSITIONING ROCK DRILLING RIG**

[54] **APPAREIL ET PROCEDE POUR POSITIONNER UN APPAREIL DE FORAGE DE ROCHE**

[72] HAVERINEN, EEMELI, FI

[72] LASSILA, JUHA, FI

[72] TAPOLA, HEIKKI, FI

[72] AVELIN, MERVI, FI

[71] SANDVIK MINING AND CONSTRUCTION OY, FI

[85] 2018-12-20

[86] 2016-07-01 (PCT/EP2016/065475)

[87] (WO2018/001506)

[21] **3,028,826**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/14 (2006.01) A61M 16/18 (2006.01)**

[25] EN

[54] **A SEDATION DEVICE**

[54] **DISPOSITIF DE SEDATION**

[72] FARRELL, RON, IE

[72] CAREY, PAURIC, IE

[71] SEDANA MEDICAL LIMITED, IE

[85] 2018-12-20

[86] 2017-06-21 (PCT/EP2017/065318)

[87] (WO2017/220698)

[30] EP (16175577.2) 2016-06-21

Demandes PCT entrant en phase nationale

[21] **3,028,827**
[13] A1

[51] **Int.Cl. A61K 39/04 (2006.01) A61P 31/06 (2006.01) C07K 14/045 (2006.01) C07K 14/35 (2006.01)**

[25] EN

[54] **RECOMBINANT CYTOMEGALOVIRUS VECTORS AS VACCINES FOR TUBERCULOSIS**

[54] **VECTEURS DE CYTOMEGALOVIRUS DE RECOMBINAISON UTILISES COMME VACCINS CONTRE LA TUBERCULOSE**

[72] EVANS, THOMAS G., US
[72] ANANTHA, RAVI P., US
[72] BONAVIA, AURELIO M., US
[72] LADDY, DOMINICK J., US
[72] PICKER, LOUIS, US
[72] HANSEN, SCOTT, US
[72] XU, GUANGWU, US
[71] AERAS, US
[85] 2018-12-18
[86] 2017-06-21 (PCT/US2017/038439)
[87] (WO2017/223146)
[30] US (62/353,432) 2016-06-22
[30] US (62/478,099) 2017-03-29

[21] **3,028,828**
[13] A1

[51] **Int.Cl. A61K 31/52 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01)**

[25] EN

[54] **APPLICATION OF METHYL 4-[9-(6-AMINOPURYL)]-2(S)-HYDROXYBUTYRATE IN PREPARATION OF MEDICAMENTS FOR TREATING PSORIASIS AND VITILIGO**

[54] **APPLICATION DE METHYL 4-[9-(6-AMINOPURYL)]-2 (S)-HYDROXYBUTYRATE DANS LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT DU PSORIASIS ET DU VITILIGO**

[72] ZUO, JIANPING, CN
[72] TANG, WEI, CN
[72] LIN, ZEMIN, CN
[72] YUAN, CHONGSHENG, US
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
[71] NINGBO ZIYUAN PHARMACEUTICALS INC., CN
[85] 2018-12-20
[86] 2017-06-29 (PCT/CN2017/090684)
[87] (WO2018/001287)
[30] CN (201610510528.2) 2016-06-30

[21] **3,028,829**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C12N 5/10 (2006.01)**

[25] EN

[54] **GENETICALLY MODIFIED T LYMPHOCYTES**

[54] **LYMPHOCYTES T GENETIQUEMENT MODIFIES**

[72] KLATZMANN, DAVID, FR
[71] KLATZMANN, DAVID, FR
[85] 2018-12-20
[86] 2017-06-22 (PCT/EP2017/065330)
[87] (WO2017/220704)
[30] EP (16305756.5) 2016-06-22

[21] **3,028,830**
[13] A1

[51] **Int.Cl. H01L 25/075 (2006.01) H01L 25/16 (2006.01)**

[25] EN

[54] **COMPACT LIGHT-EMITTING DIODE ARRANGEMENT**

[54] **ENSEMBLE DE DIODES ELECTROLUMINESCENTES COMPACT**

[72] NEUMANN, ROLAND, DE
[71] INOVA SEMICONDUCTORS GMBH, DE
[85] 2018-12-20
[86] 2017-11-16 (PCT/EP2017/001349)
[87] (WO2018/103880)
[30] DE (10 2016 014 649.4) 2016-12-08

[21] **3,028,831**
[13] A1

[51] **Int.Cl. G06Q 10/02 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETERMINING COMBINATIVE SERVICE REQUESTERS**

[54] **SYSTEMES ET PROCEDES POUR DETERMINER DES DEMANDEURS DE SERVICE COMBINABLES**

[72] ZHUO, CHENGXIANG, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-20
[86] 2018-06-13 (PCT/CN2018/091005)
[87] (WO2018/228418)
[30] CN (201710447903.8) 2017-06-14

[21] **3,028,832**
[13] A1

[51] **Int.Cl. B01J 8/02 (2006.01) B01J 8/00 (2006.01)**

[25] EN

[54] **WALL FOR CATALYTIC BEDS OF REACTORS AND METHOD FOR REALIZING THE SAME**

[54] **PAROI POUR LITS CATALYTIQUES DE REACTEURS ET SON PROCEDE DE FABRICATION**

[72] RIZZI, ENRICO, IT
[71] CASALE SA, CH
[85] 2018-12-20
[86] 2017-04-20 (PCT/EP2017/059349)
[87] (WO2017/220232)
[30] EP (16175739.8) 2016-06-22

[21] **3,028,833**
[13] A1

[51] **Int.Cl. C01B 25/22 (2006.01) C01B 25/231 (2006.01) C01B 25/32 (2006.01) C01F 11/46 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING CALCIUM SULFATE**

[54] **PROCEDE DE PRODUCTION DE SULFATE DE CALCIUM**

[72] HENRY, THOMAS, BE
[72] THEYS, TIBAUT, BE
[71] PRAYON TECHNOLOGIES, BE
[85] 2018-12-20
[86] 2017-06-22 (PCT/EP2017/065371)
[87] (WO2017/220718)
[30] BE (2016/5463) 2016-06-23

[21] **3,028,834**
[13] A1

[51] **Int.Cl. E05D 15/06 (2006.01)**

[25] EN

[54] **SLIDING WALL ARRANGEMENT WITH A COVERING ELEMENT**

[54] **ENSEMBLE PAROI COULISSANTE COMPRENANT UN ELEMENT DE RECOUVREMENT**

[72] RITZI, MARCEL, CH
[71] SOREG AG, CH
[85] 2018-12-20
[86] 2017-06-23 (PCT/EP2017/065512)
[87] (WO2017/220770)
[30] EP (16176213.3) 2016-06-24

PCT Applications Entering the National Phase

[21] **3,028,835**
[13] A1

[51] **Int.Cl. B65D 47/12 (2006.01) B65D 51/16 (2006.01)**
[25] EN
[54] **LIQUID DISPENSER**
[54] **DISTRIBUTEUR DE LIQUIDE**
[72] KRAMPEN, GERALD, DE
[72] JUNG, TIMO, DE
[72] GREINER-PERTH, JURGEN, DE
[72] HERZ, ANDI, DE
[71] APTAR RADOLFZELL GMBH, DE
[85] 2018-12-20
[86] 2017-05-16 (PCT/EP2017/061759)
[87] (WO2017/220261)
[30] DE (10 2016 210 992.8) 2016-06-20

[21] **3,028,836**
[13] A1

[51] **Int.Cl. F24C 15/20 (2006.01)**
[25] EN
[54] **INSERT FOR A DOWNDRAFT EXTRACTOR**
[54] **ELEMENT INTEGRABLE POUR VENTILATEUR DE TABLE DE CUISSON**
[72] KONNEKER, WALTER, DE
[71] BRUCKBAUER, WILHELM, DE
[85] 2018-12-20
[86] 2017-06-22 (PCT/EP2017/065410)
[87] (WO2017/220728)
[30] DE (10 2016 211 206.6) 2016-06-22

[21] **3,028,837**
[13] A1

[51] **Int.Cl. C12F 3/04 (2006.01) C12P 7/16 (2006.01)**
[25] FR
[54] **PROCESS FOR THE RECOVERY OF ALCOHOLS IN A FERMENTER**
[54] **PROCEDE DE RECUPERATION D'ALCOOLS DANS UN FERMENTEUR**
[72] COUPARD, VINCENT, FR
[72] GONZALEZ PENAS, HELENA, FR
[72] TOTH, ESZTER, FR
[72] LE MOEL, MEHDI, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2018-12-20
[86] 2017-05-17 (PCT/EP2017/061801)
[87] (WO2018/001628)
[30] FR (1656209) 2016-06-30

[21] **3,028,838**
[13] A1

[51] **Int.Cl. C03B 19/10 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING HOLLOW MICROGLASS BEADS**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION DE MICROPERLES EN VERRE CREUSES**
[72] SCHLICKE, JURGEN, DE
[72] STACHE, LUTZ, DE
[71] BPI BEADS PRODUCTION INTERNATIONAL GMBH, DE
[71] HOFMEISTER KRISTALL GMBH, DE
[85] 2018-12-20
[86] 2017-06-12 (PCT/DE2017/100490)
[87] (WO2018/001409)
[30] DE (10 2016 111 735.8) 2016-06-27
[30] DE (10 2016 117 608.7) 2016-09-19

[21] **3,028,839**
[13] A1

[51] **Int.Cl. H04W 12/06 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR UPDATING SEARCH CACHE**
[54] **PROCEDE ET DISPOSITIF DE RECHERCHE DE MISE A JOUR DE CACHE**
[72] WANG, HONGPENG, CN
[72] CHEN, AIYUN, CN
[72] YAO, TING, CN
[71] BEIJING QIYI CENTURY SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2018-12-20
[86] 2017-08-25 (PCT/CN2017/099116)
[87] (WO2018/120876)
[30] CN (201611251539.X) 2016-12-29

[21] **3,028,840**
[13] A1

[51] **Int.Cl. C04B 28/10 (2006.01)**
[25] EN
[54] **BIO-CATALYTIC CALCIUM CARBONATE CEMENTATION**
[54] **CIMENTATION DE CARBONATE DE CALCIUM BIOCATALYTIQUE**
[72] ROYNE, ANJA, NO
[72] WENTZEL, ALEXANDER, NO
[72] SIKORSKI, PAWEL, NO
[71] UNIVERSITETET I OSLO, NO
[85] 2018-12-20
[86] 2017-06-23 (PCT/EP2017/065509)
[87] (WO2017/220768)
[30] GB (1611065.2) 2016-06-24
[30] GB (1701821.9) 2017-02-03

[21] **3,028,841**
[13] A1

[51] **Int.Cl. C08K 5/29 (2006.01) C08J 5/18 (2006.01) C08L 67/02 (2006.01) C08L 79/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS STABLE TO HYDROLYSIS FOR FILMS IN SOLAR CELLS**
[54] **COMPOSITIONS STABLES A L'HYDROLYSE POUR FILMS DANS DES CELLULES SOLAIRES**
[72] LAUFER, WILHELM, DE
[71] LANXESS DEUTSCHLAND GMBH, DE
[85] 2018-12-20
[86] 2017-05-30 (PCT/EP2017/062947)
[87] (WO2017/220289)
[30] EP (16175623.4) 2016-06-22

[21] **3,028,842**
[13] A1

[51] **Int.Cl. A61L 27/34 (2006.01)**
[25] EN
[54] **SURFACE-MODIFIED POLYMERIC SUBSTRATES GRAFTED WITH A PROPERTIES-IMPARTING COMPOUND USING CLIP CHEMISTRY**
[54] **SUBSTRATS POLYMERES A SURFACE MODIFIEE GREFFES AVEC UN COMPOSE CONFERANT DES PROPRIETES A L'AIDE DE LA CHIMIE CLIP**
[72] NOTTELET, BENJAMIN, FR
[72] SCHULZ EPOUSE LUXENHOFER, ANITA, DE
[72] COUDANE, JEAN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] ECOLE NATIONALE SUPERIEURE DE CHIMIE DE MONTPELLIER - ENSCM, FR
[85] 2018-12-20
[86] 2017-06-23 (PCT/EP2017/065596)
[87] (WO2017/220804)
[30] IB (PCT/IB2016/001131) 2016-06-24

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[21] **3,028,843**
[13] A1

[51] **Int.Cl. B23Q 1/60 (2006.01) B23B 5/18 (2006.01) B23C 3/06 (2006.01) B23D 37/00 (2006.01) B23Q 39/02 (2006.01)**

[25] EN

[54] **MACHINE FOR MACHINING WORKPIECES**

[54] **MACHINE POUR L'USINAGE DE PIECES**

[72] IBARRA GARCES, JORGE, ES

[72] ATUTXA OCERIN, AMAIUR, ES

[72] ESCUDERO OLACIREGUI, INAKI, ES

[72] ECEIZA AGOTE, PATXI, ES

[71] ETXE-TAR, S.A., ES

[85] 2018-12-20

[86] 2017-05-30 (PCT/EP2017/062950)

[87] (WO2017/220290)

[30] EP (16382286.9) 2016-06-20

[21] **3,028,844**
[13] A1

[51] **Int.Cl. H01B 3/04 (2006.01)**

[25] EN

[54] **ELECTRICAL INSULATION SYSTEM BASED ON EPOXY RESINS FOR GENERATORS AND MOTORS**

[54] **SYSTEME D'ISOLATION ELECTRIQUE A BASE DE RESINES EPOXY POUR GENERATEURS ET MOTEURS**

[72] BEISELE, CHRISTIAN, DE

[72] BAER, DANIEL, CH

[72] STECHER, HARALD, DK

[71] HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH, CH

[71] ISOVOLTA AG, AT

[85] 2018-12-20

[86] 2017-05-31 (PCT/EP2017/063095)

[87] (WO2018/001671)

[30] EP (16176657.1) 2016-06-28

[21] **3,028,845**
[13] A1

[51] **Int.Cl. F01N 3/28 (2006.01) F16L 5/00 (2006.01) F16L 5/04 (2006.01) F16L 59/02 (2006.01) F16L 59/12 (2006.01)**

[25] EN

[54] **FIRE PROTECTION ELEMENT FOR SEALING THROUGH-OPENINGS IN CONSTRUCTION ELEMENTS**

[54] **ELEMENT COUPE-FEU POUR L'ETANCHEIFICATION D'OUVERTURES DE PASSAGE DANS DES ELEMENTS STRUCTURAUX**

[72] PAETOW, MARIO, DE

[72] MUNZENBERGER, HERBERT, DE

[72] SEMLER, RUDOLF, DE

[72] ZIPFEL, HORST, DE

[71] HILTI AKTIENGESELLSCHAFT, LI

[85] 2018-12-20

[86] 2017-06-12 (PCT/EP2017/064227)

[87] (WO2017/220357)

[30] EP (16176114.3) 2016-06-24

[21] **3,028,846**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/198 (2006.01) A61P 31/00 (2006.01)**

[25] EN

[54] **CILASTATIN FOR USE IN THE TREATMENT OF SEPSIS**

[54] **CILASTATINE POUR UNE UTILISATION DANS LE TRAITEMENT DE LA SEPSIE**

[72] TEJEDOR JORGE, ALBERTO, ES

[72] LAZARO FERNANDEZ, ALBERTO, ES

[72] HUMANES SANCHEZ, BLANCA, ES

[72] GONZALEZ-NICOLAS GONZALEZ, MARIA ANGELES, ES

[71] FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL GREGORIO MARANON, ES

[85] 2018-12-20

[86] 2017-06-23 (PCT/EP2017/065609)

[87] (WO2017/220810)

[30] EP (16382299.2) 2016-06-24

[21] **3,028,848**
[13] A1

[51] **Int.Cl. G01V 1/38 (2006.01)**

[25] EN

[54] **SOURCE TOWING ARRANGEMENT**

[54] **AGENCEMENT DE REMORQUAGE DE SOURCE**

[72] TONNESSEN, RUNE, US

[72] OSCARSSON, MATTIAS, US

[71] PGS GEOPHYSICAL AS, NO

[85] 2018-12-20

[86] 2017-06-23 (PCT/EP2017/065567)

[87] (WO2017/220792)

[30] US (62/354,387) 2016-06-24

[30] US (15/617,609) 2017-06-08

[21] **3,028,849**
[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01) B32B 27/32 (2006.01)**

[25] EN

[54] **CONTAINER FOR PRODUCING A BEVERAGE CAPSULE AND CAPSULE THEREOF**

[54] **RECIPIENT POUR FABRICATION D'UNE CAPSULE DE BOISSON ET CAPSULE CORRESPONDANTE**

[72] GERBAULET, ARNAUD, FR

[72] BENZ, PATRIK, CH

[71] NESTEC S.A., CH

[85] 2018-12-20

[86] 2017-06-16 (PCT/EP2017/064733)

[87] (WO2018/007124)

[30] EP (16177735.4) 2016-07-04

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[21] **3,028,850**
[13] A1

[51] **Int.Cl. C12P 1/02 (2006.01) A23K 10/12 (2016.01) A23K 10/38 (2016.01) A23L 33/185 (2016.01) A23J 3/14 (2006.01) A61K 36/48 (2006.01) C12P 7/10 (2006.01)**

[25] EN

[54] **VERTICAL PLUG-FLOW PROCESS FOR SIMULTANEOUS PRODUCTION OF ETHANOL AND A FERMENTED, SOLID TRANSFORMATION PRODUCT OF THE SUBSTRATE**

[54] **PROCEDE A ECOULEMENT-PISTON VERTICAL POUR LA PRODUCTION SIMULTANEE D'ETHANOL ET D'UN PRODUIT DE TRANSFORMATION SOLIDE FERMENTE DU SUBSTRAT**

[72] ELLEGARD, KATRINE HVID, DK
[72] DICKOW, JONATAN AHRENS, DK
[72] PETERSEN, STIG VICTOR, DK
[72] THIRUP, LAILA, DK
[72] GELEFF, SVEND ANDREAS, DK
[71] HAMLET PROTEIN A/S, DK
[85] 2018-12-20
[86] 2017-06-27 (PCT/EP2017/065781)
[87] (WO2018/007196)
[30] EP (16178170.3) 2016-07-06

[21] **3,028,851**
[13] A1

[51] **Int.Cl. B60C 11/16 (2006.01)**

[25] FR

[54] **STUDED PNEUMATIC TYRE**

[54] **PNEUMATIQUE CLOUTE**

[72] SARAZIN, FREDERIC, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-12-20
[86] 2017-06-21 (PCT/EP2017/065174)
[87] (WO2018/001806)
[30] FR (1655999) 2016-06-28

[21] **3,028,852**
[13] A1

[51] **Int.Cl. G21G 1/00 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING AN IODINE RADIOISOTOPES FRACTION, IN PARTICULAR OF I-131, IODINE RADIOISOTOPES FRACTION, IN PARTICULAR OF I-131**

[54] **PROCEDE DE PRODUCTION D'UNE FRACTION DE RADIO-ISOTOPES D'IODE, EN PARTICULIER D'I-131, FRACTION DE RADIO-ISOTOPES D'IODE, EN PARTICULIER D'I-131**

[72] MOYAUX, DOMINIQUE, BE
[72] HOST, VALERY, BE
[72] DECAMP, CAROLINE, BE
[71] INSTITUT NATIONAL DES RADIOELEMENTS, BE
[85] 2018-12-19
[86] 2017-06-28 (PCT/EP2017/065974)
[87] (WO2018/002127)
[30] BE (2016/5495) 2016-06-28

[21] **3,028,853**
[13] A1

[51] **Int.Cl. B60C 11/16 (2006.01)**

[25] EN

[54] **PNEUMATIQUE CLOUTE**

[54] **STUDED PNEUMATIC TYRE**

[72] SARAZIN, FREDERIC, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-12-20
[86] 2017-06-21 (PCT/EP2017/065175)
[87] (WO2018/001807)
[30] FR (1655998) 2016-06-28

[21] **3,028,854**
[13] A1

[51] **Int.Cl. B60C 11/16 (2006.01)**

[25] FR

[54] **STUDED PNEUMATIC TYRE**

[54] **PNEUMATIQUE CLOUTE**

[72] SARAZIN, FREDERIC, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-12-20
[86] 2017-06-21 (PCT/EP2017/065178)
[87] (WO2018/001809)
[30] FR (1655997) 2016-06-28

[21] **3,028,855**
[13] A1

[51] **Int.Cl. C02F 1/32 (2006.01)**

[25] EN

[54] **QUARTZ SLEEVE SUPPORT FOR AN UV-LAMP**

[54] **SUPPORT DE MANCHON A QUARTZ POUR LAMPE UV**

[72] KRUGER, FRIEDHELM, DE
[71] XYLEM IP MANAGEMENT S.A R.L., LU
[85] 2018-12-20
[86] 2017-06-27 (PCT/EP2017/065865)
[87] (WO2018/002056)
[30] EP (16176426.1) 2016-06-27

[21] **3,028,856**
[13] A1

[51] **Int.Cl. G01V 1/28 (2006.01)**

[25] FR

[54] **METHOD FOR CHARACTERISING THE UNDERLYING GROUND OF A REGION USING PASSIVE SEISMIC SIGNALS, AND CORRESPONDING SYSTEM**

[54] **PROCEDE DE CARACTERISATION DU SOUS-SOL D'UNE REGION UTILISANT DES SIGNAUX SISMQUES PASSIFS, ET SYSTEME CORRESPONDANT**

[72] HUGUET, FREDERIC, FR
[72] KAZANTSEV, ALEXANDRE, FR
[72] LAVERGNE, DAMIEN, FR
[72] EGERMANN, PATRICK, FR
[71] STORENGY, FR
[85] 2018-12-19
[86] 2017-06-20 (PCT/FR2017/051622)
[87] (WO2017/220918)
[30] FR (1655858) 2016-06-23

Demandes PCT entrant en phase nationale

[21] **3,028,857**
[13] A1

[51] **Int.Cl. E02D 3/12 (2006.01) E02D 5/46 (2006.01)**
[25] EN
[54] **METHOD FOR OPTIMIZING PROCESSES FOR INCREASING THE LOAD-BEARING CAPACITY OF FOUNDATION GROUNDS**
[54] **PROCEDE D'OPTIMISATION DE PROCESSUS POUR AUGMENTER LA CAPACITE PORTEUSE DE SOLS DE FONDATION**
[72] BIRTELE, ANDREA, IT
[71] THUR S.R.L., IT
[85] 2018-12-20
[86] 2017-06-21 (PCT/EP2017/065287)
[87] (WO2018/001833)
[30] IT (102016000066045) 2016-06-27

[21] **3,028,858**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONVEYING AN AGRICULTURAL FORMULATION**
[54] **SYSTEME ET PROCEDE POUR LE TRANSPORT D'UNE FORMULATION AGRICOLE**
[72] BRIX, HORST DIETER, DE
[72] KROEGER, HARALD, DE
[72] WEGKAMP, HEINZ-GERD, DE
[72] WICHMANN, WOLF-DIETER, DE
[71] BASF SE, DE
[85] 2018-12-20
[86] 2017-06-21 (PCT/EP2017/065312)
[87] (WO2017/220694)
[30] EP (16176157.2) 2016-06-24

[21] **3,028,859**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) C12N 15/113 (2010.01) A61K 38/00 (2006.01) C07K 14/71 (2006.01)**
[25] EN
[54] **HCMV ENTRY INHIBITORS**
[54] **INHIBITEURS D'ENTREE DE HCMV.**
[72] SINZGER, CHRISTIAN, DE
[72] LAIB SAMPAIO, KERSTIN, DE
[72] STEGMANN, CORA, DE
[72] ADLER, BARBARA, DE
[71] AICURIS ANTI-INFECTIVE CURES GMBH, DE
[85] 2018-12-20
[86] 2017-06-27 (PCT/EP2017/065902)
[87] (WO2018/002081)
[30] EP (16176520.1) 2016-06-27

[21] **3,028,860**
[13] A1

[51] **Int.Cl. H02P 21/00 (2016.01) H02P 21/28 (2016.01)**
[25] EN
[54] **METHOD FOR ESTIMATING THE POSITION AND SPEED OF THE ROTOR OF AN ALTERNATING CURRENT MACHINE FOR A MOTOR VEHICLE, AND CORRESPONDING SYSTEM**
[54] **PROCEDE D'ESTIMATION DE LA POSITION ET DE LA VITESSE DU ROTOR D'UNE MACHINE A COURANT ALTERNATIF POUR VEHICULE AUTOMOBILE ET SYSTEME CORRESPONDANT**
[72] KOTEICH, MOHAMAD, FR
[72] MALOUM, ABDELMALEK, FR
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-12-19
[86] 2017-06-20 (PCT/FR2017/051635)
[87] (WO2017/220924)
[30] FR (1655822) 2016-06-22

[21] **3,028,861**
[13] A1

[51] **Int.Cl. A01K 43/00 (2006.01) A01K 45/00 (2006.01) A23B 5/015 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING POULTRY EGGS USING ELECTRON BEAMS TO STERILIZE THE CALCAREOUS SHELL**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'OEUF DE VOLAILLE AVEC UN RAYONNEMENT ELECTRONIQUE POUR STERILISER LA COQUILLE DE CALCAIRE**
[72] MEISSNER, SVEN, DE
[72] FISCHER, BJORN, DE
[71] COMET AG, CH
[85] 2018-12-20
[86] 2017-06-28 (PCT/EP2017/065951)
[87] (WO2018/002112)
[30] DE (10 2016 008 291.7) 2016-07-01

[21] **3,028,862**
[13] A1

[51] **Int.Cl. A61H 1/02 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01) A63B 21/00 (2006.01) A63B 21/005 (2006.01) A63B 22/00 (2006.01) A63B 23/035 (2006.01) A63B 23/12 (2006.01) A63B 24/00 (2006.01)**
[25] EN
[54] **PORTABLE DEVICE FOR UPPER LIMB REHABILITATION**
[54] **DISPOSITIF PORTABLE DE REEDUCATION DES MEMBRES SUPERIEURS**
[72] HYUNG JUNG, JE, ES
[72] RODRIGUEZ DE PABLO, CRISTINA, ES
[72] BELLOSO LINACISORO, AITOR, ES
[72] VALENCIA BLANCO, DAVID, ES
[72] KELLER, THIERRY, ES
[71] FUNDACION TECNALIA RESEARCH & INNOVATION, ES
[85] 2018-12-20
[86] 2017-06-29 (PCT/EP2017/066208)
[87] (WO2018/002266)
[30] EP (16382312.3) 2016-06-29

[21] **3,028,863**
[13] A1

[51] **Int.Cl. G06T 3/00 (2006.01)**
[25] EN
[54] **PROJECTION IMAGE CONSTRUCTION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE CONSTRUCTION D'IMAGE DE PROJECTION**
[72] ZHU, JIADAN, CN
[72] WANG, TAO, CN
[72] LIU, HONGBIN, CN
[71] BEIJING QIYI CENTURY SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2018-12-20
[86] 2017-08-30 (PCT/CN2017/099686)
[87] (WO2018/113339)
[30] CN (201611187138.2) 2016-12-20

PCT Applications Entering the National Phase

[21] **3,028,864**
[13] A1

[51] **Int.Cl. H04R 29/00 (2006.01) H04W 4/00 (2018.01) H04W 8/00 (2009.01) H03G 1/02 (2006.01) H04R 25/00 (2006.01)**

[25] EN

[54] **OPTIMIZING JOINT OPERATION OF A COMMUNICATION DEVICE AND AN ACCESSORY DEVICE COUPLED THERETO**

[54] **OPTIMISATION D'EXPLOITATION CONJOINTE D'UN DISPOSITIF DE COMMUNICATION ET D'UN DISPOSITIF ACCESSOIRE COUPLE AUDIT DISPOSITIF DE COMMUNICATION**

[72] HACKL, DANIEL PATRICK, CA

[71] SAVOX COMMUNICATIONS OY AB (LTD), FI

[85] 2018-12-20

[86] 2017-06-22 (PCT/FI2017/050471)

[87] (WO2017/220866)

[30] FI (20165517) 2016-06-23

[21] **3,028,865**
[13] A1

[51] **Int.Cl. C09C 1/50 (2006.01) C01B 32/05 (2017.01) C01B 32/152 (2017.01) C01B 32/158 (2017.01) C01B 32/182 (2017.01)**

[25] EN

[54] **PRODUCTION OF CRYSTALLINE CARBON STRUCTURE NETWORKS**

[54] **PRODUCTION DE RESEAUX DE STRUCTURES EN CARBONE CRISTALLIN**

[72] VAN RAALTEN, RUTGER ALEXANDER DAVID, NL

[72] SORDI, DANIELA, NL

[71] CARBONX IP 3 B.V., NL

[85] 2018-12-20

[86] 2017-06-28 (PCT/EP2017/065994)

[87] (WO2018/002137)

[30] EP (16176599.5) 2016-06-28

[30] EP (17150513.4) 2017-01-06

[21] **3,028,866**
[13] A1

[51] **Int.Cl. G01N 9/24 (2006.01) G01N 29/00 (2006.01) G01N 33/38 (2006.01)**

[25] EN

[54] **METHOD FOR DETERMINING DENSITY OF FRESH CONCRETE, COMPUTING DEVICE AND SYSTEM THEREFORE**

[54] **PROCEDE DE DETERMINATION DE DENSITE DE BETON FRAIS, DISPOSITIF INFORMATIQUE ET SYSTEME S'Y RAPPORTANT**

[72] BEAUPRE, DENIS, CA

[71] COMMAND ALKON INCORPORATED, US

[85] 2018-12-20

[86] 2017-07-04 (PCT/EP2017/066658)

[87] (WO2018/007396)

[30] US (62/358,405) 2016-07-05

[21] **3,028,867**
[13] A1

[51] **Int.Cl. B42D 25/44 (2014.01) B42D 25/24 (2014.01) B42D 25/29 (2014.01) B42D 25/324 (2014.01) B42D 25/342 (2014.01) B42D 25/351 (2014.01) B42D 25/373 (2014.01) B42D 25/445 (2014.01)**

[25] EN

[54] **METHODS OF MANUFACTURING AN IMAGE PATTERN FOR A SECURITY DEVICE**

[54] **PROCEDES DE FABRICATION DE MOTIF D'IMAGE POUR DISPOSITIF DE SECURITE**

[72] LISTER, ADAM, GB

[71] DE LA RUE INTERNATIONAL LIMITED, GB

[85] 2018-12-20

[86] 2017-05-17 (PCT/GB2017/051373)

[87] (WO2017/220960)

[30] GB (1610903.5) 2016-06-22

[21] **3,028,868**
[13] A1

[51] **Int.Cl. B01J 20/18 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01) C07C 7/13 (2006.01)**

[25] FR

[54] **ZEOLITE ADSORBENT IN THE FORM OF LOW-TORTUOSITY AGGLOMERATES**

[54] **ADSORBANT ZEOLITHIQUE SOUS FORME D'AGGLOMERES A FAIBLE TORTUOSITE**

[72] LAROCHE, CATHERINE, FR

[72] LEFLAIVE, PHILIBERT, FR

[72] BOUVIER, LUDIVINE, FR

[72] LUTZ, CECILE, FR

[71] IFP ENERGIES NOUVELLES, FR

[71] ARKEMA FRANCE, FR

[85] 2018-12-20

[86] 2017-06-28 (PCT/EP2017/066054)

[87] (WO2018/002174)

[30] FR (1656031) 2016-06-28

[21] **3,028,869**
[13] A1

[51] **Int.Cl. B65G 29/02 (2006.01) B65G 47/14 (2006.01) G07F 7/06 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR SINGULATION OF USED BEVERAGE OR FOOD CONTAINERS**

[54] **DISPOSITIF ET PROCEDE DE SEPARATION DE RECIPIENTS DE BOISSON OU D'ALIMENT USAGES**

[72] ANVIK, ANDERS, NO

[71] TOMRA SYSTEMS ASA, NO

[85] 2018-12-20

[86] 2017-07-06 (PCT/EP2017/066936)

[87] (WO2018/007524)

[30] EP (16178096.0) 2016-07-06

[30] EP (16186310.5) 2016-08-30

[30] EP (16206226.9) 2016-12-22

Demandes PCT entrant en phase nationale

[21] **3,028,870**
[13] A1

[51] **Int.Cl. G01N 25/72 (2006.01)**
[25] FR
[54] **METHOD FOR INSPECTING A METAL SURFACE AND ASSOCIATED DEVICE**
[54] **PROCEDE D'INSPECTION D'UNE SURFACE METALLIQUE ET DISPOSITIF ASSOCIE**
[72] CAULIER, YANNICK, FR
[71] FRAMATOME, FR
[85] 2018-12-20
[86] 2017-06-29 (PCT/EP2017/066204)
[87] (WO2018/002263)
[30] FR (16 56226) 2016-06-30

[21] **3,028,871**
[13] A1

[51] **Int.Cl. C07K 14/245 (2006.01) C12N 9/00 (2006.01) C12P 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR THE FERMENTATIVE PRODUCTION OF MOLECULES OF INTEREST BY MICROORGANISMS COMPRISING GENES CODING SUGAR PHOSPHOTRANSFERASE SYSTEM (PTS)**
[54] **PROCEDE DE PRODUCTION FERMENTATIVE DE MOLECULES D'INTERET PAR DES MICRO-ORGANISMES COMPRENANT DES GENES CODANT D'UN SYSTEME DE PHOSPHOTRANSFERASE DE SUCRE (PTS)**
[72] CORRE, GWENAELE, FR
[72] RAYNAUD, CELINE, FR
[71] METABOLIC EXPLORER, FR
[85] 2018-12-20
[86] 2017-07-06 (PCT/EP2017/067025)
[87] (WO2018/007560)
[30] IB (PCT/IB2016/001123) 2016-07-08

[21] **3,028,872**
[13] A1

[51] **Int.Cl. E04H 4/00 (2006.01) E04B 2/86 (2006.01)**
[25] FR
[54] **MODULAR PANEL FOR POOL WALLS AND CORRESPONDING POOL**
[54] **PANNEAU MODULAIRE POUR PAROIS DE BASSIN ET BASSIN CORRESPONDANT**
[72] DESJOYAUX, JEAN-LOUIS, FR
[72] TRIPIER, JACKY, FR
[71] PISCINES DESJOYAUX SA, FR
[85] 2018-12-19
[86] 2017-06-30 (PCT/FR2017/051768)
[87] (WO2018/002552)
[30] FR (1656311) 2016-07-01

[21] **3,028,873**
[13] A1

[51] **Int.Cl. A21D 10/04 (2006.01) A21D 13/00 (2017.01)**
[25] EN
[54] **REDUCED SUGAR WAFER**
[54] **GAUFRETE A TENEUR REDUITE EN SUCRE**
[72] SUNDERLAND, CHARLES-AUSTIN, FR
[72] GREEN, JOHN, FR
[72] DE LABAUVE D'ARIFAT, LOUIS, MU
[71] NESTEC S.A., CH
[85] 2018-12-20
[86] 2017-07-07 (PCT/EP2017/067051)
[87] (WO2018/007571)
[30] EP (16178527.4) 2016-07-08

[21] **3,028,874**
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **METHOD OF DETECTING PROTEINS IN HUMAN SAMPLES AND USES OF SUCH METHODS**
[54] **PROCEDE DE DETECTION DE PROTEINES DANS DES ECHANTILLONS PRELEVES CHEZ L'HOMME, ET UTILISATIONS DE CES PROCEDES**
[72] SCHIESS, RALPH, CH
[72] ENDT, KATHRIN, DE
[72] ATHANASIOU, ALCIBIADE, CH
[72] MACAGNO, ANNALISA, CH
[72] STEUBER, THOMAS, DE
[71] PROTEOMEDIX AG, CH
[85] 2018-12-20
[86] 2017-07-11 (PCT/EP2017/067411)
[87] (WO2018/011212)
[30] EP (16179607.3) 2016-07-15

[21] **3,028,875**
[13] A1

[51] **Int.Cl. C12N 9/58 (2006.01)**
[25] EN
[54] **SERINE PROTEASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME**
[54] **VARIANTS DE SERINE PROTEASE ET POLYNUCLEOTIDES CODANT POUR CEUX-CI**
[72] AYABE, KEIICHI, JP
[72] MATSUI, TOMOKO, JP
[72] TOMIKI, AKI, JP
[72] KURAKATA, YUMA, JP
[72] FRIIS, ESBEN P., DK
[72] NIELSEN, JENS E., DK
[72] PACHE, ROLAND ALEXANDER, DK
[71] NOVOZYMES A/S, DK
[85] 2018-12-20
[86] 2017-07-14 (PCT/EP2017/067883)
[87] (WO2018/015304)
[30] EP (16180497.6) 2016-07-21
[30] EP (16195078.7) 2016-10-21

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[21] **3,028,876**
[13] A1

[51] **Int.Cl. B23B 3/24 (2006.01) B23B 5/00 (2006.01) B24B 23/00 (2006.01) F02B 77/04 (2006.01)**

[25] EN
[54] **PISTON GROOVE MACHINING TOOL**
[54] **OUTIL D'USINAGE DE GORGE DE PISTON**

[72] NASCHBERGER, MANUEL, AT
[72] HOTTER, PATRICK, AT
[71] GE JENBACHER GMBH & CO. OG, AT
[85] 2018-12-20
[86] 2017-07-07 (PCT/EP2017/067084)
[87] (WO2018/007584)
[30] AT (50605/2016) 2016-07-07

[21] **3,028,877**
[13] A1

[51] **Int.Cl. G01R 33/07 (2006.01) G01R 33/00 (2006.01)**

[25] EN
[54] **HALL PROBE**
[54] **SONDE A EFFET HALL**

[72] BARRAHMA, RACHID, LU
[72] BOUTON, OLIVIER, FR
[72] DOWSETT, DAVID, LU
[72] WIRTZ, TOM, LU
[71] LUXEMBOURG INSTITUTE OF SCIENCE AND TECHNOLOGY (LIST), LU
[85] 2018-12-20
[86] 2017-07-17 (PCT/EP2017/068045)
[87] (WO2018/011436)
[30] LU (LU93151) 2016-07-15

[21] **3,028,878**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/50 (2006.01) A61K 31/19 (2006.01)**

[25] EN
[54] **MODIFIED RELEASE GAMMA-HYDROXYBUTYRATE FORMULATIONS HAVING IMPROVED PHARMACOKINETICS**
[54] **FORMULATIONS A LIBERATION MODIFIEE DE GAMMA-HYDROXYBUTYRATE AYANT UNE PHARMACOCINETIQUE AMELIOREE**

[72] MEGRET, CLAIRE, FR
[72] GUILLARD, HERVE, FR
[72] DUIBUISSON, JEAN-FRANCOIS, FR
[71] FLAMEL IRELAND LTD., IL
[85] 2018-12-20
[86] 2017-07-21 (PCT/EP2017/068552)
[87] (WO2018/015563)
[30] US (62/365,812) 2016-07-22
[30] US (62/399,413) 2016-09-25
[30] US (62/474,330) 2017-03-21

[21] **3,028,879**
[13] A1

[51] **Int.Cl. H01M 2/10 (2006.01) A24F 47/00 (2006.01) H01M 10/42 (2006.01) H01M 10/46 (2006.01) H01R 11/28 (2006.01) H02J 7/00 (2006.01)**

[25] EN
[54] **ELECTRONIC VAPING DEVICE, BATTERY SECTION, AND CHARGER**
[54] **DISPOSITIF DE VAPOTAGE ELECTRONIQUE, SECTION DE BATTERIE ET CHARGEUR**

[72] DENDY, CHARLES, US
[72] DIANA, PHILLIP, US
[72] WEIGENSBERG, ISAAC, US
[72] CAO, KAI, US
[72] COBLER, PATRICK J., US
[72] BUTLER, PAUL, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-12-20
[86] 2017-07-31 (PCT/EP2017/069360)
[87] (WO2018/024692)
[30] US (15/224,608) 2016-07-31

[21] **3,028,880**
[13] A1

[51] **Int.Cl. A24B 15/16 (2006.01) A24D 1/02 (2006.01) A24F 47/00 (2006.01)**

[25] EN
[54] **AEROSOL-GENERATING ARTICLE COMPRISING AN AEROSOL-FORMING SUBSTRATE AND A HEAT-CONDUCTING ELEMENT**
[54] **ARTICLE GENERATEUR D'AEROSOL COMPRENANT UN SUBSTRAT DE FORMATION D'AEROSOL ET UN ELEMENT THERMOCONDUCTEUR**

[72] MALGAT, ALEXANDRE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-12-20
[86] 2017-08-23 (PCT/EP2017/071240)
[87] (WO2018/037048)
[30] EP (16185881.6) 2016-08-26

[21] **3,028,881**
[13] A1

[51] **Int.Cl. G01J 5/00 (2006.01) B21F 1/02 (2006.01) C21C 7/00 (2006.01)**

[25] EN
[54] **OPTICAL CORED WIRE IMMERSION NOZZLE**
[54] **BUSE A IMMERSION DE FIL FOURRE OPTIQUE**

[72] KENDALL, MARTIN, BE
[72] STRAETEMANS-WINTERS, MARC, BE
[72] FEYTONGS, DOMINIQUE, BE
[71] HERAEUS ELECTRO-NITE INTERNATIONAL N.V., BE
[85] 2018-12-20
[86] 2017-08-24 (PCT/EP2017/071365)
[87] (WO2018/041721)
[30] EP (16186834.4) 2016-09-01

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[51] Int.Cl. B63B 1/24 (2006.01) B29C 67/00 (2017.01) B63B 35/79 (2006.01)	[51] Int.Cl. C09D 183/08 (2006.01) C08K 5/544 (2006.01) D21H 19/32 (2006.01)	[51] Int.Cl. A61C 13/00 (2006.01) A61C 8/00 (2006.01) A61C 13/01 (2006.01) A61C 13/08 (2006.01) A61C 13/10 (2006.01) A61C 13/16 (2006.01) A61C 13/20 (2006.01) A61C 13/225 (2006.01) B29C 67/00 (2017.01)
[25] FR	[25] FR	[25] FR
[54] FIN KEEL FOIL WITH METAL STRUCTURING CORE AND CUSTOMISED PRINTED PLA SHELL	[54] METHOD FOR THE PREVENTION OF MIST FORMATION IN A DEVICE COMPRISING ROLLS DURING THE COATING OF FLEXIBLE MEDIA WITH A CROSSLINKABLE LIQUID SILICONE COMPOSITION	[54] METHOD FOR MANUFACTURE OF A REMOVABLE DENTAL PROSTHESIS BY MOULDING WITH THE AID OF A MOULD FORMED BY ADDITIVE MANUFACTURE
[54] AILE DE DERIVE A COEUR STRUCTURANT METALLIQUE ET ENVELOPPE SUR MESURE IMPRIMEE PLA	[54] PROCEDE DE LUTTE CONTRE L'APPARITION DE BROUILLARD DANS UN DISPOSITIF A CYLINDRES LORS DE L'ENDUCTION DE SUPPORTS FLEXIBLES AVEC UNE COMPOSITION SILICONE LIQUIDE RETICULABLE	[54] PROCEDE DE FABRICATION D'UNE PROTHESE DENTAIRE AMOVIBLE PAR MOULAGE A L'AIDE D'UN MOULE REALISE EN FABRICATION ADDITIVE
[72] CASTELNERAC, BERTRAND, FR	[72] PIBRE, GUILLAUME, FR	[72] FOREST, ALEXANDRE, FR
[71] SEAIR, FR	[72] GENEST, AYMERIC, FR	[71] MOJITO, FR
[85] 2018-12-20	[72] BENITOU, STEPHANIE, FR	[85] 2018-12-20
[86] 2017-05-15 (PCT/FR2017/000098)	[72] FRANCES, JEAN-MARC, FR	[86] 2017-06-30 (PCT/FR2017/051782)
[87] (WO2017/198912)	[72] FLEURY, ETIENNE, FR	[87] (WO2018/002562)
[30] FR (16/00814) 2016-05-20	[72] GANACHAUD, FRANCOIS, FR	[30] FR (1656228) 2016-06-30
	[72] PORTINHA DE ALMEIDA, DANIEL, FR	
	[71] ELKEM SILICONES FRANCE S.A.S., FR	[21] 3,028,893 [13] A1
	[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES, FR	[51] Int.Cl. D01F 6/86 (2006.01) C08G 63/199 (2006.01) C08G 63/42 (2006.01) C08G 63/672 (2006.01)
	[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR	[25] FR
	[71] UNIVERSITE JEAN MONNET, FR	[54] SEMI-CRYSTALLINE THERMOPLASTIC POLYESTER FOR PRODUCING FIBRES
	[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR	[54] POLYESTER THERMOPLASTIQUE SEMI-CRISTALLIN POUR LA FABRICATION DE FIBRES
	[85] 2018-12-20	[72] AMEDRO, HELENE, FR
	[86] 2017-06-20 (PCT/FR2017/000122)	[72] SAINT-LOUP, RENE, FR
	[87] (WO2017/220871)	[71] ROQUETTE FRERES, FR
	[30] FR (16 00987) 2016-06-21	[85] 2018-12-20
		[86] 2017-07-21 (PCT/FR2017/052020)
	[21] 3,028,890 [13] A1	[87] (WO2018/015692)
	[51] Int.Cl. F16C 7/06 (2006.01)	[30] FR (16 57031) 2016-07-22
	[25] EN	
	[54] ADJUSTABLE-LENGTH CONNECTING ROD FOR TURBOMACHINE	
	[54] BIELLE DE LONGUEUR REGLABLE POUR TURBOMACHINE	
	[72] CLADIERE, MATHIEU, FR	
	[72] VERGEZ, STEPHANE, FR	
	[71] SAFRAN HELICOPTER ENGINES, FR	
	[85] 2018-12-20	
	[86] 2017-06-16 (PCT/FR2017/051564)	
	[87] (WO2017/220891)	
	[30] FR (1655788) 2016-06-21	

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[21] **3,028,899**
[13] A1

[51] **Int.Cl. A01G 31/06 (2006.01) A01G 31/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HYDROPONIC PLANT GROWTH**
[54] **SYSTEME ET PROCEDE POUR LA CULTURE HYDROPONIQUE DE PLANTES**
[72] BATEMAN, NICHOLAS, GB
[72] BAYLEY, JOANNE, GB
[71] H2O-GANICS LIMITED, GB
[85] 2018-12-20
[86] 2017-06-30 (PCT/GB2017/051925)
[87] (WO2018/002647)
[30] GB (1611428.2) 2016-06-30

[21] **3,028,903**
[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61K 9/19 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] BERNALIER-DONADILLE, ANNICK, FR
[72] CROUZET, LAUREEN, FR
[72] HABOUZIT, CHLOE, FR
[71] 4D PHARMA PLC, GB
[85] 2018-12-20
[86] 2017-07-13 (PCT/GB2017/052077)
[87] (WO2018/011594)
[30] GB (1612190.7) 2016-07-13
[30] GB (1616016.0) 2016-09-20
[30] GB (1616018.6) 2016-09-20
[30] GB (1703552.8) 2017-03-06
[30] GB (1703548.6) 2017-03-06

[21] **3,028,907**
[13] A1

[51] **Int.Cl. A01K 5/01 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR FEEDING AN ANIMAL**
[54] **APPAREIL ET PROCEDE POUR ALIMENTER UN ANIMAL**
[72] BRUGGINK, ANNE-JAN, GB
[72] JAMES, REBECCA, GB
[71] HAYGAIN LTD, GB
[85] 2018-12-20
[86] 2017-07-14 (PCT/GB2017/052080)
[87] (WO2018/011595)
[30] GB (1612318.4) 2016-07-15

[21] **3,028,918**
[13] A1

[51] **Int.Cl. E04H 12/22 (2006.01) B65B 67/12 (2006.01) B65D 88/16 (2006.01) E01F 9/00 (2016.01) E02D 29/02 (2006.01) E04H 17/18 (2006.01) H01L 31/042 (2014.01) H01Q 1/12 (2006.01)**
[25] EN
[54] **ANCHORS**
[54] **DISPOSITIFS D'ANCRAGE**
[72] FOGG, LEE, GB
[72] KIRBY, CLIFFORD, GB
[71] NEXUS ECO HOLDINGS LTD, GB
[85] 2018-12-20
[86] 2017-06-20 (PCT/GB2017/051793)
[87] (WO2017/220987)
[30] GB (1610773.2) 2016-06-21

[21] **3,028,920**
[13] A1

[51] **Int.Cl. F03B 13/26 (2006.01) E02B 9/08 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR EXTRACTING POWER FROM TIDES**
[54] **SYSTEME ET PROCEDE PERMETTANT D'EXTRACTRAIRE DE L'ENERGIE DES MAREES**
[72] JORDAN, STEPHEN, GB
[71] RED TO BLUE LIMITED, GB
[85] 2018-12-20
[86] 2017-06-23 (PCT/GB2017/051842)
[87] (WO2017/221023)
[30] GB (1611001.7) 2016-06-23

[21] **3,028,922**
[13] A1

[51] **Int.Cl. E02D 7/10 (2006.01)**
[25] EN
[54] **PILE HAMMER**
[54] **MARTEAU BATTEUR**
[72] DESBOROUGH, STEPHEN, GB
[72] BROWN, DAVID ANDREW, GB
[71] DAWSON CONSTRUCTION PLANT LIMITED, GB
[85] 2018-12-20
[86] 2017-06-29 (PCT/GB2017/051891)
[87] (WO2018/002616)
[30] GB (1611366.4) 2016-06-30

[21] **3,028,923**
[13] A1

[51] **Int.Cl. H01F 5/06 (2006.01) H01F 27/28 (2006.01)**
[25] EN
[54] **INDUCTOR**
[54] **INDUCTEUR**
[72] ZUSHI, YUSUKE, JP
[72] HAYASHI, TETSUYA, JP
[72] HAYAMI, YASUAKI, JP
[72] NI, WEI, JP
[72] YAMAMOTO, AKIMITSU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-12-20
[86] 2016-06-21 (PCT/JP2016/068372)
[87] (WO2017/221321)

[21] **3,028,924**
[13] A1

[51] **Int.Cl. A61K 31/137 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **SALBUTAMOL-CONTAINING OPHTHALMIC MEDICAMENT**
[54] **MEDICAMENT OPHTALMIQUE CONTENANT DU SALBUTAMOL**
[72] REKIK, RAOUF, TN
[71] REKIK, RAOUF, TN
[85] 2018-12-20
[86] 2017-06-27 (PCT/IB2017/000779)
[87] (WO2018/007864)
[30] TN (TN 2016/0259) 2016-06-27

[21] **3,028,925**
[13] A1

[51] **Int.Cl. E21B 49/08 (2006.01) G01N 21/85 (2006.01) G01N 21/359 (2014.01) G01N 21/552 (2014.01)**
[25] EN
[54] **OPTICAL SENSOR**
[54] **CAPTEUR OPTIQUE**
[72] HAMBLIN, CHRISTOPHER PAUL, GB
[72] MARSHALL, ALAN, GB
[72] EATON, STUART JOHN, GB
[71] SONDEX WIRELINE LIMITED, GB
[85] 2018-12-20
[86] 2017-06-27 (PCT/IB2017/000935)
[87] (WO2018/002712)
[30] GB (1611147.8) 2016-06-27

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[21] **3,028,926**
[13] A1

[51] **Int.Cl. C12P 7/10 (2006.01) C12N 1/19 (2006.01) C12N 9/02 (2006.01) C12N 9/24 (2006.01)**

[25] EN

[54] **A RECOMBINANT YEAST AND A METHOD FOR PRODUCING ETHANOL USING THE SAME**

[54] **LEVURE RECOMBINANTE ET PROCEDE DE PRODUCTION D'ETHANOL L'UTILISANT**

[72] ONISHI, TORU, JP

[72] TADA, NOBUKI, JP

[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[85] 2018-12-20

[86] 2017-05-08 (PCT/JP2017/017331)

[87] (WO2017/221559)

[30] JP (2016-126016) 2016-06-24

[21] **3,028,927**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/23 (2006.01)**

[25] EN

[54] **THERMOSTABLE FORMULATION OF BIOLOGICALLY ACTIVE SUBSTANCES**

[54] **FORMULATION THERMOSTABLE DE SUBSTANCES BIOLOGIQUEMENT ACTIVES**

[72] GIZURARSON, SVEINBJORN, IS

[72] HELGADOTTIR, HELGA, IS

[72] KRISTMUNSDOTTIR, THORDIS, IS

[71] CAPRETTO EHF., IS

[85] 2018-12-20

[86] 2017-06-19 (PCT/IS2017/050009)

[87] (WO2017/221275)

[30] IS (050153) 2016-06-20

[21] **3,028,928**
[13] A1

[51] **Int.Cl. B01J 13/00 (2006.01) C23F 11/14 (2006.01) F22B 37/52 (2006.01)**

[25] EN

[54] **AQUEOUS OIL-IN-WATER EMULSIONS OF ORGANIC AMINES**

[54] **EMULSIONS AQUEUSES D'HUILE DANS L'EAU D'AMINES ORGANIQUES**

[72] JASPER, JULIA, DE

[72] ZIMMER, KIRSTIN, DE

[72] DE BACHE, ANDRE, DE

[72] KATER, WOLFGANG, DE

[71] KURITA WATER INDUSTRIES LTD., JP

[85] 2018-12-20

[86] 2017-06-07 (PCT/JP2017/021095)

[87] (WO2017/221700)

[30] EP (16175712.5) 2016-06-22

[21] **3,028,929**
[13] A1

[51] **Int.Cl. E21B 43/01 (2006.01) E21B 43/36 (2006.01)**

[25] EN

[54] **SUBSEA METHANE PRODUCTION ASSEMBLY**

[54] **ENSEMBLE DE PRODUCTION DE METHANE SOUS-MARIN**

[72] BILLINGTON, ANDERS, NO

[72] GORDEEVA, TATIANA, NO

[72] STEFANOV, PAVEL, NO

[71] AKER SOLUTIONS AS, NO

[85] 2018-12-20

[86] 2017-07-03 (PCT/NO2017/050176)

[87] (WO2018/009073)

[30] NO (20161125) 2016-07-06

[21] **3,028,930**
[13] A1

[51] **Int.Cl. C22C 38/00 (2006.01) C22C 38/14 (2006.01) C22C 38/58 (2006.01) C21D 8/02 (2006.01)**

[25] EN

[54] **HOT-ROLLED STEEL SHEET FOR HEAVY-WALL, HIGH-STRENGTH LINE PIPE, WELDED STEEL PIPE FOR HEAVY-WALL, HIGH-STRENGTH LINE PIPE, AND METHOD FOR PRODUCING THE WELDED STEEL PIPE**

[54] **TOLE EN ACIER LAMINEE A CHAUD POUR TUBE DE CANALISATION EPAIS ET HAUTEMENT RESISTANT, ET TUYAU EN ACIER SOUDE POUR TUBE DE CANALISATION EPAIS ET HAUTEMENT RESISTANT AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI**

[72] GOTO, SOTA, JP

[72] NAKATA, HIROSHI, JP

[72] SHIMAMURA, JUNJI, JP

[71] JFE STEEL CORPORATION, JP

[85] 2018-12-20

[86] 2017-06-06 (PCT/JP2017/020981)

[87] (WO2017/221690)

[30] JP (2016-123564) 2016-06-22

[21] **3,028,932**
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01) C07K 19/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **MODIFIED FIBROIN**

[54] **FIBROINE MODIFIEE**

[72] MORITA, KEISUKE, JP

[72] KOTAKA, KOICHI, JP

[71] SPIBER INC., JP

[85] 2018-12-20

[86] 2017-06-23 (PCT/JP2017/023116)

[87] (WO2017/222034)

[30] JP (2016-124674) 2016-06-23

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[21] **3,028,933**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01) B60T 7/12 (2006.01)**
[25] EN
[54] **VEHICLE CONTROL METHOD AND VEHICLE CONTROL DEVICE**
[54] **PROCEDE DE COMMANDE DE VEHICULE ET DISPOSITIF DE COMMANDE DE VEHICULE**
[72] NODA, KUNIAKI, JP
[72] FANG, FANG, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-12-20
[86] 2016-06-27 (PCT/JP2016/068972)
[87] (WO2018/002984)

[21] **3,028,934**
[13] A1

[51] **Int.Cl. A61K 31/7088 (2006.01) A61P 35/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **AGENT FOR INDUCING CELL DEATH, AGENT FOR SUPPRESSING CELL PROLIFERATION, AND PHARMACEUTICAL COMPOSITION USED FOR TREATMENT OF DISEASE RESULTING FROM ABNORMAL CELL PROLIFERATION**
[54] **INDUCTEUR DE MORT CELLULAIRE, INHIBITEUR DE LA PROLIFERATION CELLULAIRE ET COMPOSITION PHARMACEUTIQUE DESTINEE AU TRAITEMENT D'UNE MALADIE ASSOCIEE A UNE PROLIFERATION CELLULAIRE ANORMALE**
[72] TANAKA, HIROYUKI, JP
[72] MINOMI, KENJIROU, JP
[71] NITTO DENKO CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-23 (PCT/JP2017/023121)
[87] (WO2017/222035)
[30] JP (2016-124252) 2016-06-23

[21] **3,028,935**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **FLAVOR INHALER CARTRIDGE AND FLAVOR INHALER HAVING FLAVOR INHALER CARTRIDGE**
[54] **CARTOUCHE D'INHALATEUR D'AROME ET INHALATEUR D'AROME AYANT UNE CARTOUCHE D'INHALATEUR D'AROME**
[72] NAKANO, TAKUMA, JP
[72] MATSUMOTO, HIROFUMI, JP
[71] YAMADA, MANABU, JP
[71] JAPAN TOBACCO INC., JP
[85] 2018-12-20
[86] 2016-06-27 (PCT/JP2016/069012)
[87] (WO2018/002989)

[21] **3,028,936**
[13] A1

[51] **Int.Cl. H04L 7/00 (2006.01) H04N 21/236 (2011.01) H04N 21/434 (2011.01)**
[25] EN
[54] **TRANSMISSION APPARATUS, RECEPTION APPARATUS, AND DATA PROCESSING METHOD**
[54] **APPAREIL DE TRANSMISSION, APPAREIL DE RECEPTION ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] OKADA, SATOSHI, JP
[72] TAKAHASHI, KAZUYUKI, JP
[72] MICHAEL, LACHLAN BRUCE, JP
[71] SONY SEMICONDUCTOR SOLUTIONS CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-23 (PCT/JP2017/023149)
[87] (WO2018/008429)
[30] JP (2016-135712) 2016-07-08

[21] **3,028,937**
[13] A1

[51] **Int.Cl. H04L 27/26 (2006.01)**
[25] EN
[54] **TRANSMISSION DEVICE, TRANSMISSION METHOD, RECEPTION DEVICE, AND RECEPTION METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRANSMISSION, DISPOSITIF ET PROCEDE DE RECEPTION**
[72] MICHAEL, LACHLAN BRUCE, JP
[72] TAKAHASHI, KAZUYUKI, JP
[72] OKADA, SATOSHI, JP
[71] SONY SEMICONDUCTOR SOLUTIONS CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-23 (PCT/JP2017/023147)
[87] (WO2018/008427)
[30] JP (2016-135710) 2016-07-08

[21] **3,028,938**
[13] A1

[51] **Int.Cl. F16L 15/00 (2006.01) F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR PIPE AND METHOD FOR PRODUCING THREADED CONNECTION FOR PIPE**
[54] **RACCORD A VIS DESTINE A UN TUYAU ET PROCEDE DE FABRICATION DE RACCORD A VIS DESTINE A UN TUYAU**
[72] GOTO, KUNIO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2018-12-20
[86] 2017-06-08 (PCT/JP2017/021396)
[87] (WO2018/003455)
[30] JP (2016-129518) 2016-06-30

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[21] **3,028,939**
[13] A1

[51] **Int.Cl. C10M 141/12 (2006.01) C10M 133/06 (2006.01) C10M 135/18 (2006.01) C10M 139/00 (2006.01) C10M 169/04 (2006.01)**

[25] EN

[54] **LUBRICANT ADDITIVE COMPOSITION, LUBRICATING COMPOSITION CONTAINING SAME AND ENGINE OIL COMPOSITION CONSISTING OF LUBRICATING COMPOSITION**

[54] **COMPOSITION D'ADDITIF DE LUBRIFICATION, COMPOSITION LUBRIFIANTE COMPRENANT LADITE COMPOSITION D'ADDITIF DE LUBRIFICATION, ET COMPOSITION D'HUILE A MOTEUR COMPRENANT LADITE COMPOSITION LUBRIFIANTE**

[72] IINO, SHINJI, JP
[72] KATSUNO, EIJI, JP
[72] SUMI, TARO, JP
[71] ADEKA CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-27 (PCT/JP2017/023621)
[87] (WO2018/003815)
[30] JP (2016-128713) 2016-06-29

[21] **3,028,940**
[13] A1

[51] **Int.Cl. C23G 1/24 (2006.01) C10G 75/02 (2006.01) C23G 5/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR REMOVING IRON SULFIDE**

[54] **L'ELIMINATION DU SULFURE DE FER**

[72] SHIMIZU, MASAKI, JP
[72] SAITOU, YUUSUKE, JP
[72] TSURUTA, TAKUO, JP
[72] FUJI, JUNICHI, JP
[71] KURARAY CO., LTD., JP
[85] 2018-12-20
[86] 2017-06-21 (PCT/JP2017/022837)
[87] (WO2018/003624)
[30] JP (2016-127916) 2016-06-28

[21] **3,028,941**
[13] A1

[51] **Int.Cl. H04H 20/93 (2009.01) H04H 20/28 (2009.01) H04N 21/235 (2011.01) H04N 21/435 (2011.01) H04B 1/16 (2006.01) H04J 1/00 (2006.01) H04J 11/00 (2006.01)**

[25] EN

[54] **RECEPTION DEVICE, TRANSMISSION DEVICE, AND DATA PROCESSING METHOD**

[54] **APPAREIL DE RECEPTION, APPAREIL DE TRANSMISSION ET PROCEDE DE TRAITEMENT DE DONNEES**

[72] TAKAHASHI, KAZUYUKI, JP
[72] OKADA, SATOSHI, JP
[72] MICHAEL, LACHLAN BRUCE, JP
[71] SONY SEMICONDUCTOR SOLUTIONS CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-23 (PCT/JP2017/023148)
[87] (WO2018/008428)
[30] JP (2016-135711) 2016-07-08

[21] **3,028,942**
[13] A1

[51] **Int.Cl. B01D 46/02 (2006.01)**

[25] EN

[54] **POCKET FILTER ASSEMBLY**

[54] **ENSEMBLE DE FILTRE DE POCHE**

[72] ENGLUND, FREDRIK, SE
[72] ERICSON, STEFAN, SE
[71] CAMFIL AB, SE
[85] 2018-12-20
[86] 2017-06-26 (PCT/SE2017/050701)
[87] (WO2018/004431)
[30] SE (1650939-0) 2016-06-29

[21] **3,028,943**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 3/06 (2006.01)**

[25] EN

[54] **FLAVOR INHALER AND METHOD OF MANUFACTURING COMBUSTION TYPE HEAT SOURCE**

[54] **INHALATEUR D'AROME ET PROCEDE DE PRODUCTION**

[72] NAKANO, TAKUMA, JP
[72] AKIYAMA, TAKESHI, JP
[72] ODA, TAKASHI, JP
[72] SUZUKI, MASAOKI, JP
[72] UCHII, KIMITAKA, JP
[71] JAPAN TOBACCO INC., JP
[85] 2018-12-20
[86] 2017-06-28 (PCT/JP2017/023780)
[87] (WO2018/003871)
[30] JP (2016-131585) 2016-07-01
[30] JP (2016-131586) 2016-07-01
[30] JP (2016-131587) 2016-07-01

[21] **3,028,944**
[13] A1

[51] **Int.Cl. C12N 15/861 (2006.01) A61K 35/76 (2015.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) A61P 37/04 (2006.01) C07K 14/075 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/34 (2006.01)**

[25] EN

[54] **PV-DELETED BOVINE ADENOVIRUS**

[54] **ADENOVIRUS BOVIN DEPOURVU DE FONCTION PV**

[72] TIKOO, SURESH K., CA
[72] ZHAO, XIN, CA
[71] UNIVERSITY OF SASKATCHEWAN, CA
[85] 2018-12-20
[86] 2017-06-23 (PCT/IB2017/000959)
[87] (WO2017/221075)
[30] US (62/354,639) 2016-06-24

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[21] **3,028,945**
[13] A1

[51] **Int.Cl. H04B 7/06 (2006.01) H04W 16/28 (2009.01)**

[25] EN

[54] **BASE STATION APPARATUS, TERMINAL APPARATUS, AND COMMUNICATION METHOD**

[54] **DISPOSITIF DE STATION DE BASE, DISPOSITIF TERMINAL ET PROCEDE DE COMMUNICATION**

[72] TOMEBA, HIROMICHI, JP
[72] YAMADA, RYOTA, JP
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2018-12-20
[86] 2017-06-22 (PCT/JP2017/022962)
[87] (WO2018/008404)
[30] JP (2016-133248) 2016-07-05

[21] **3,028,946**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2018.01) C12N 9/12 (2006.01) C12N 15/54 (2006.01)**

[25] EN

[54] **INCREASING PLANT GROWTH AND YIELD BY USING AN ADP-GLUCOSE PYROPHOSPHORYLASE SEQUENCE**

[54] **AUGMENTATION DE LA CROISSANCE ET DU RENDEMENT DES PLANTES PAR UTILISATION D'UNE SEQUENCE D'ADP-GLUCOSE PYROPHOSPHORYLASE**

[72] GRAY, BENJAMIN NEIL, US
[71] BENSON HILL BIOSYSTEMS, INC., US
[85] 2018-12-20
[86] 2017-06-14 (PCT/IB2017/053534)
[87] (WO2017/221112)
[30] US (62/353,399) 2016-06-22

[21] **3,028,947**
[13] A1

[51] **Int.Cl. C22C 38/00 (2006.01) C22C 38/58 (2006.01) C23C 8/10 (2006.01) C21D 1/76 (2006.01)**

[25] EN

[54] **HEAT RESISTANT FERRITIC STEEL AND FERRITIC HEAT TRANSFER MEMBER**

[54] **ACIER FERRITIQUE RESISTANT A LA CHALEUR ET ELEMENT DE TRANSFERT THERMIQUE FERRITIQUE**

[72] NISHIYAMA, YOSHITAKA, JP
[72] NOGAMI, HIROSHI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-29 (PCT/JP2017/024012)
[87] (WO2018/003941)
[30] JP (2016-128431) 2016-06-29

[21] **3,028,948**
[13] A1

[51] **Int.Cl. C23C 8/18 (2006.01) B01J 23/26 (2006.01) B01J 23/28 (2006.01) B01J 23/652 (2006.01) B01J 23/86 (2006.01) C22C 19/05 (2006.01) C22C 30/02 (2006.01) C23C 18/12 (2006.01) C23C 18/38 (2006.01) C23C 28/00 (2006.01) C23C 28/04 (2006.01)**

[25] EN

[54] **AUSTENITIC ALLOY MATERIAL AND AUSTENITIC ALLOY PIPE**

[54] **MATERIAU EN ALLIAGE AUSTENITIQUE ET TUYAU EN ALLIAGE AUSTENITIQUE**

[72] MASAKI, YASUHIRO, JP
[72] TAKEDA, KIYOKO, JP
[72] OSUKI, TAKAHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-12-20
[86] 2017-06-28 (PCT/JP2017/023824)
[87] (WO2018/003887)
[30] JP (2016-127963) 2016-06-28

[21] **3,028,949**
[13] A1

[51] **Int.Cl. A01N 43/34 (2006.01) A01N 25/02 (2006.01) A01N 25/04 (2006.01) A01N 25/08 (2006.01) A01N 25/12 (2006.01) A01N 25/14 (2006.01) A01N 25/30 (2006.01) A01N 43/707 (2006.01) A01N 43/72 (2006.01) C07D 413/06 (2006.01)**

[25] EN

[54] **PYRIDINE-BASED COMPOUND INCLUDING ISOXAZOLINE RING AND USE THEREOF AS HERBICIDE**

[54] **COMPOSE A BASE DE PYRIDINE COMPRENANT UN CYCLE ISOXAZOLINE ET SON UTILISATION COMME HERBICIDE**

[72] KO, YOUNG KWAN, KR
[72] KIM, EUN AE, KR
[72] LEE, ILL YOUNG, KR
[72] KOO, DONG WAN, KR
[72] RYU, JAE WOOK, KR
[72] YON, GYU HWAN, KR
[72] YEOM, HYUN SUK, KR
[72] LIM, HEE NAM, KR
[72] LEE, SO-YOUNG, KR
[72] PARK, CHAN YONG, KR
[72] KWAK, MI-YOUNG, KR
[72] KOO, SUK-JIN, KR
[72] HWANG, KI-HWAN, KR
[72] KIM, SUNG-HUN, KR
[72] LIM, JONG-SU, KR
[72] LEE, DONG-GUK, KR
[72] CHUNG, KUN-HOE, KR
[72] CHO, NAM-GYU, KR
[72] NAM, JUN-HO, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[71] MOGHU RESEARCH CENTER LTD., KR
[85] 2018-12-20
[86] 2017-06-27 (PCT/KR2017/006738)
[87] (WO2018/004223)
[30] KR (10-2016-0080169) 2016-06-27

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[21] **3,028,950**
[13] A1

[51] **Int.Cl. G05D 1/08 (2006.01) B64C 13/50 (2006.01)**

[25] EN

[54] **CONTROL LAWS FOR PEDAL-TO-ROLL COUPLING**

[54] **LOIS DE COMMANDE POUR COUPLAGE PALONNIER-ROULIS**

[72] OLSTHOORN, MATTHEW, CA

[72] THERIEN, SYLVAIN, CA

[72] KRON, AYMERIC, CA

[72] YAN, ZHE, CA

[72] STIHARU-ALEXE, ILIE, CA

[71] BOMBARDIER INC., CA

[71] C SERIES AIRCRAFT LIMITED PARTNERSHIP, CA

[85] 2018-12-20

[86] 2017-06-16 (PCT/IB2017/053602)

[87] (WO2017/221122)

[30] US (62/352,873) 2016-06-21

[21] **3,028,951**
[13] A1

[51] **Int.Cl. A61F 9/013 (2006.01) G02C 7/04 (2006.01) G02C 13/00 (2006.01)**

[25] EN

[54] **ORTHOKERATOLOGY LENS DESIGNATING METHOD, DESIGNATING SYSTEM, DESIGNATING AND SUPPLYING METHOD, AND DESIGNATING AND SUPPLYING SYSTEM**

[54] **PROCEDE DE DESIGNATION DE LENTILLE D'ORTHOKERATOLOGIE, SYSTEME DE DESIGNATION, PROCEDE DE DESIGNATION ET D'ALIMENTATION, ET SYSTEME DE DESIGNATION ET D'ALIMENTATION**

[72] MITSUI, IWANE, JP

[71] MITSUI MEDICAL COMMERCE CO., LTD., JP

[85] 2018-12-20

[86] 2017-06-30 (PCT/JP2017/024118)

[87] (WO2018/003967)

[30] JP (2016-130262) 2016-06-30

[30] JP (2017-127653) 2017-06-29

[21] **3,028,952**
[13] A1

[51] **Int.Cl. C10L 1/02 (2006.01) C07G 1/00 (2011.01)**

[25] EN

[54] **ULTRAPURE KRAFT LIGNIN COMPOSITION**

[54] **COMPOSITION DE LIGNINE KRAFT ULTRA-PURE**

[72] DAHLSTRAND, CHRISTIAN, SE

[72] OREBOM, ALEXANDER, SE

[71] REN FUEL K2B AB, SE

[85] 2018-12-20

[86] 2017-06-30 (PCT/SE2017/050735)

[87] (WO2018/004447)

[30] SE (1650964-8) 2016-07-01

[21] **3,028,953**
[13] A1

[51] **Int.Cl. B64C 9/12 (2006.01) B64C 13/16 (2006.01) B64C 13/50 (2006.01)**

[25] EN

[54] **GUST LOADING MANAGEMENT**

[54] **GESTION DE CHARGE DE RAFALE**

[72] MCCLEMENTS, ARTHUR, CA

[72] KROESE, PAUL, CA

[71] C SERIES AIRCRAFT LIMITED PARTNERSHIP, CA

[85] 2018-12-20

[86] 2017-06-16 (PCT/IB2017/053603)

[87] (WO2017/221123)

[30] US (62/352,850) 2016-06-21

[21] **3,028,954**
[13] A1

[51] **Int.Cl. C07D 493/04 (2006.01) A61K 31/352 (2006.01) A61K 31/353 (2006.01)**

[25] EN

[54] **OPTICALLY ACTIVE PYRANOCHROMENYL PHENOL DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING SAME**

[54] **DERIVE DE PYRANOCHROMENYL PHENOL OPTIQUEMENT ACTIF ET COMPOSITION PHARMACEUTIQUE COMPRENANT LEDIT DERIVE DE PYRANOCHROMENYL PHENOL OPTIQUEMENT ACTIF**

[72] YOO, SANG KU, KR

[72] CHUNG, JIN WOOK, KR

[72] JO, IN GEUN, KR

[72] KIM, JI YOUNG, KR

[72] IM, JEONG HO, KR

[72] KANG, KU SUK, KR

[72] KIM, JIN YOUNG, KR

[71] GLACEUM, INC., KR

[85] 2018-12-20

[86] 2017-06-29 (PCT/KR2017/006863)

[87] (WO2018/004263)

[30] KR (10-2016-0081674) 2016-06-29

[21] **3,028,955**
[13] A1

[51] **Int.Cl. A61B 5/05 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01) G01S 13/88 (2006.01)**

[25] EN

[54] **SENSING DEVICE FOR CONTROLLING THE DELIVERY OF CARE TO IMMOBILE PATIENTS**

[54] **DISPOSITIF DE DETECTION POUR COMMANDER L'ADMINISTRATION DE SOINS A DES PATIENTS IMMOBILES**

[72] JOHNSON, CHRISTOPHER DONALD, US

[72] TU, PETER HENRY, US

[72] DAY, ANDREW PHELPS, US

[72] YU, TING, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-20

[86] 2017-06-15 (PCT/US2017/037598)

[87] (WO2018/005108)

[30] US (15/197,151) 2016-06-29

PCT Applications Entering the National Phase

[21] **3,028,956**
[13] A1

[51] **Int.Cl. E21B 49/00 (2006.01) E21B 47/00 (2012.01) E21B 49/08 (2006.01)**

[25] EN

[54] **MEASURING FLUID PROPERTIES BASED ON FLUID SURFACE RESPONSE TO A DISTURBANCE**

[54] **MESURE DE PROPRIETES DE FLUIDE SUR LA BASE D'UNE REPOSE DE SURFACE DE FLUIDE A UNE PERTURBATION**

[72] JAMISON, DALE E., US

[72] GAO, LI, US

[72] PELLETIER, MICHAEL T., US

[72] ELLMAUTHALER, ANDREAS, BR

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-20

[86] 2016-09-12 (PCT/US2016/051284)

[87] (WO2018/048439)

[21] **3,028,957**
[13] A1

[51] **Int.Cl. B01D 53/18 (2006.01) B01D 53/14 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01)**

[25] EN

[54] **CO2 RECOVERY SYSTEM AND METHOD FOR RECOVERING CO2**

[54] **DISPOSITIF DE RECUPERATION DE CO2 ET PROCEDE DE RECUPERATION DE COCO2**

[72] TSUJIUCHI, TATSUYA, JP

[72] KAMIJO, TAKASHI, JP

[72] INUI, MASAYUKI, JP

[72] MIYAMOTO, OSAMU, US

[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP

[85] 2018-12-20

[86] 2017-09-29 (PCT/JP2017/035601)

[87] (WO2018/083922)

[30] US (15/340,391) 2016-11-01

[21] **3,028,958**
[13] A1

[51] **Int.Cl. C08L 23/08 (2006.01) C08L 69/00 (2006.01)**

[25] EN

[54] **OVERMOLD MATERIAL FOR POLYCARBONATE**

[54] **MATERIAU DE SURMOULAGE POUR POLYCARBONATE**

[72] HABERSBERGER, BRIAN M., US

[72] LIPISHAN, COLIN, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2018-12-20

[86] 2017-06-15 (PCT/US2017/037635)

[87] (WO2017/222906)

[30] US (62/353,963) 2016-06-23

[21] **3,028,959**
[13] A1

[51] **Int.Cl. F24F 11/00 (2018.01) F24F 13/22 (2006.01) F25B 41/00 (2006.01) B08B 9/032 (2006.01) C02F 1/00 (2006.01) F24F 3/12 (2006.01) F25D 21/14 (2006.01)**

[25] EN

[54] **IMPROVED AIR-CONDITIONER UNIT**

[54] **UNITE DE CLIMATISATION AMELIOREE**

[72] HO, WEE TECK, SG

[72] TAY, TIAU KAI, SG

[72] TAN, CHEE SENG, SG

[71] TRENDS HOME ELECTRICAL PTE. LTD., SG

[85] 2018-12-20

[86] 2017-07-10 (PCT/SG2017/050350)

[87] (WO2018/013058)

[30] SG (10201605668Q) 2016-07-11

[21] **3,028,960**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) C12Q 1/68 (2018.01) G01N 33/564 (2006.01)**

[25] EN

[54] **METHODS FOR DIFFERENTIAL DIAGNOSIS OF AUTOIMMUNE DISEASES**

[54] **PROCEDES POUR LE DIAGNOSTIC DIFFERENTIEL DE MALADIES AUTO-IMMUNES**

[72] GERWIEN, ROBERT WILLIAM, US

[72] TARASOW, THEODORE MICHAEL, US

[72] MELNICK, JONATHAN SCOTT, US

[71] HEALTHTELL INC., US

[85] 2018-12-20

[86] 2017-06-20 (PCT/US2017/038391)

[87] (WO2017/223116)

[30] US (62/352,525) 2016-06-20

[30] US (62/421,180) 2016-11-11

[21] **3,028,961**
[13] A1

[51] **Int.Cl. G01H 17/00 (2006.01) G06F 17/50 (2006.01) G06T 17/00 (2006.01)**

[25] EN

[54] **FLOW-INDUCED NOISE SOURCE CONTRIBUTION**

[54] **CONTRIBUTION DE SOURCE DE BRUIT INDUIT PAR ECOULEMENT**

[72] MANN, ADRIEN, US

[72] PEROT, FRANK LEON, US

[71] EXA CORPORATION, US

[85] 2018-12-20

[86] 2017-06-19 (PCT/US2017/038143)

[87] (WO2017/222991)

[30] US (15/189,609) 2016-06-22

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[21] **3,028,962**
[13] A1

[51] **Int.Cl. C04B 35/80 (2006.01) D06M 15/41 (2006.01) D06M 15/55 (2006.01) D06M 15/564 (2006.01) D06M 15/59 (2006.01)**

[25] EN

[54] **MANUFACTURING METHOD FOR CERAMIC MATRIX COMPOSITE**

[54] **PROCEDE DE FABRICATION D'UN MATERIAU COMPOSITE A BASE DE CERAMIQUE**

[72] NISHIKAWA, KOSUKE, JP

[72] FUKUSHIMA, AKIRA, JP

[72] NOGAMI, RYOMA, JP

[72] TAMUGI, AZUSA, JP

[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP

[85] 2018-12-20

[86] 2017-12-06 (PCT/JP2017/043885)

[87] (WO2018/105670)

[30] JP (2016-237869) 2016-12-07

[21] **3,028,963**
[13] A1

[51] **Int.Cl. A61M 16/04 (2006.01) A61M 16/00 (2006.01) A61M 39/08 (2006.01)**

[25] EN

[54] **MEDICAL TUBE SAFETY DEVICE**

[54] **DISPOSITIF DE SECURITE DE TUBE MEDICAL**

[72] OWENS, DOROTHY M., US

[72] SAWYER, DARLEEN M., US

[71] INNOVATIONS UNLIMITED, LLC, US

[85] 2018-12-20

[86] 2017-05-26 (PCT/US2017/034714)

[87] (WO2017/222748)

[30] US (62/493,070) 2016-06-20

[21] **3,028,964**
[13] A1

[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/60 (2006.01)**

[25] EN

[54] **HYDROPHOBIZED NANOPARTICLES AS BREAKER FOR VISCOELASTIC SURFACTANT GELLED FLUIDS**

[54] **NANOPARTICULES RENDUES HYDROPHOBES COMME AGENT DE RUPTURE POUR FLUIDES GELIFIES DE TENSIOACTIFS VISCOELASTIQUES**

[72] SANGARU, SHIV SHANKAR, US

[72] YADAV, PRAHLAD, US

[72] HUANG, TIANPING, US

[72] AGRAWAL, GAURAV, US

[72] SARMAH, PRANJAL, US

[71] BAKER HUGHES, A GE COMPANY, LLC, US

[85] 2018-12-20

[86] 2017-06-20 (PCT/US2017/038277)

[87] (WO2017/223054)

[30] US (15/186,804) 2016-06-20

[21] **3,028,965**
[13] A1

[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/26 (2006.01)**

[25] EN

[54] **UV DISINFECTING UNIT**

[54] **UNITE DE DESINFECTION PAR UV**

[72] MINTIE, JAMES M., US

[72] MUNOZ, JOSE GUADALUPE, US

[72] FOLTZ, CHRISTOPHER, US

[71] MINTIE TECHNOLOGIES, INC., US

[85] 2018-12-20

[86] 2017-06-14 (PCT/US2017/037569)

[87] (WO2018/005104)

[30] US (62/355,457) 2016-06-28

[21] **3,028,966**
[13] A1

[51] **Int.Cl. C07D 413/12 (2006.01) A61K 31/42 (2006.01) A61K 31/422 (2006.01) C07D 261/18 (2006.01)**

[25] EN

[54] **COMPOUNDS, COMPOSITIONS, AND METHODS FOR INCREASING CFTR ACTIVITY**

[54] **COMPOSES, COMPOSITIONS ET PROCEDES POUR AUGMENTER L'ACTIVITE DU CFTR**

[72] PARKS, DANIEL, US

[72] BASTOS, CECILIA M., US

[72] CULLEN, MATTHEW, US

[72] MUNOZ, BENITO, US

[71] PROTEOSTASIS THERAPEUTICS, INC., US

[85] 2018-12-20

[86] 2017-06-21 (PCT/US2017/038521)

[87] (WO2017/223188)

[30] US (62/352,672) 2016-06-21

[21] **3,028,967**
[13] A1

[51] **Int.Cl. A63F 13/40 (2014.01) G06T 19/00 (2011.01) G06Q 30/06 (2012.01)**

[25] EN

[54] **VIRTUAL-REALITY APPARATUS AND METHODS THEREOF**

[54] **APPAREIL DE REALITE VIRTUELLE ET PROCEDES ASSOCIES**

[72] MATTINGLY, TODD D., US

[72] TOVEY, DAVID, US

[72] ANTEL, NICHOLAS RAY, US

[72] O'BRIEN, JOHN, US

[71] WALMART APOLLO, LLC, US

[85] 2018-12-20

[86] 2017-06-22 (PCT/US2017/038702)

[87] (WO2018/005219)

[30] US (62/356,381) 2016-06-29

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[21] **3,028,968**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/58 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **DETERMINATION OF AEROBIC GLYCOLYSIS BY POSITIONAL ISOTOPIC DISCRIMINATION**

[54] **DETERMINATION DE GLYCOLYSE AEROBIE PAR DISCRIMINATION ISOTOPIQUE DE POSITION**

[72] YANG, DA-QING, US

[72] HEGEMAN, ADRIAN, US

[72] FREUND, DANA, US

[72] CLEARY, MARGOT, US

[71] YANG, DA-QING, US

[71] HEGEMAN, ADRIAN, US

[71] FREUND, DANA, US

[71] CLEARY, MARGOT, US

[85] 2018-12-20

[86] 2017-06-20 (PCT/US2017/038352)

[87] (WO2017/223097)

[30] US (62/352,165) 2016-06-20

[21] **3,028,969**
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01) E21B 43/17 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **VISUALIZATIONS OF RESERVOIR SIMULATIONS WITH FRACTURE NETWORKS**

[54] **VISUALISATIONS DE SIMULATIONS DE RESERVOIRS AVEC RESEAUX DE FRACTURES**

[72] MUSTAPHA, HUSSEIN, GB

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2018-12-20

[86] 2016-06-22 (PCT/US2016/038591)

[87] (WO2017/222509)

[21] **3,028,970**
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01)**

[25] EN

[54] **PARALLEL MULTISCALE RESERVOIR SIMULATION**

[54] **SIMULATION PARALLELE DE RESERVOIRS A ECHELLES MULTIPLES**

[72] KOZLOVA, ANTONINA, US

[72] NATVIG, JOSTEIN, NO

[72] WALSH, DOMINIC, GB

[72] BRATVEDT, KYRRE, US

[72] CHITTIREDDY, SINDHU, US

[72] LI, ZHUOYI, US

[72] WATANABE, SHINGO, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2018-12-20

[86] 2017-06-22 (PCT/US2017/038649)

[87] (WO2018/005214)

[30] US (62/355,748) 2016-06-28

[21] **3,028,971**
[13] A1

[51] **Int.Cl. B65D 6/10 (2006.01) B31B 50/25 (2017.01) B31B 50/64 (2017.01) B29C 53/06 (2006.01) B65D 6/18 (2006.01)**

[25] EN

[54] **PLASTIC CORRUGATED CONTAINER WITH SOFT SCORE LINE**

[54] **CONTENANT ONDULE EN PLASTIQUE A PLIURES SOUPLES**

[72] BALAZS, DONALD J., US

[71] MENASHA CORPORATION, US

[85] 2018-12-20

[86] 2017-06-23 (PCT/US2017/038912)

[87] (WO2017/223392)

[30] US (62/354,483) 2016-06-24

[30] US (15/629,806) 2017-06-22

[21] **3,028,972**
[13] A1

[51] **Int.Cl. E21B 10/43 (2006.01) E21B 10/42 (2006.01) E21B 10/62 (2006.01)**

[25] EN

[54] **ROLLING ELEMENT ASSEMBLY WITH BEARING ELEMENTS**

[54] **ENSEMBLE ELEMENT DE ROULEMENT AYANT DES ELEMENTS DE PALIER**

[72] LING, XIANWU, US

[72] GROSZ, GREGORY CHRISTOPHER, US

[72] HINZ, BRANDON JAMES, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-20

[86] 2016-07-22 (PCT/US2016/043616)

[87] (WO2018/017127)

[21] **3,028,973**
[13] A1

[51] **Int.Cl. A61K 9/68 (2006.01) A61K 9/20 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61P 25/00 (2006.01) A61P 25/06 (2006.01)**

[25] EN

[54] **ORAL COMPOSITIONS DELIVERING THERAPEUTICALLY EFFECTIVE AMOUNTS OF CANNABINOIDS**

[54] **COMPOSITIONS ORALES ADMINISTRANT DES QUANTITES THERAPEUTIQUEMENT EFFICACES DE CANNABINOIDES**

[72] ESTEY, ROBERT, US

[72] BRISBEN, WILLIAM O., US

[71] MASTIX, LLC, US

[85] 2018-12-20

[86] 2017-06-22 (PCT/US2017/038739)

[87] (WO2017/223309)

[30] US (62/353,420) 2016-06-22

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[21] **3,028,974**
[13] A1

[51] **Int.Cl. G01V 3/28 (2006.01) E21B 47/01 (2012.01) G01N 27/90 (2006.01) G01V 3/08 (2006.01) G01V 3/10 (2006.01) G01V 3/18 (2006.01)**

[25] EN

[54] **ELECTROMAGNETIC CASING INSPECTION TOOL WITH AZIMUTHAL SENSITIVITY**

[54] **OUTIL ELECTROMAGNETIQUE D'INSPECTION DE TUBAGE A SENSIBILITE AZIMUTALE**

[72] ZHANG, JUN, US

[71] PROBE TECHNOLOGY SERVICES, INC., US

[85] 2018-12-20

[86] 2017-05-09 (PCT/US2017/031692)

[87] (WO2017/222660)

[30] US (15/188,372) 2016-06-21

[21] **3,028,976**
[13] A1

[51] **Int.Cl. B23K 7/10 (2006.01) B08B 15/02 (2006.01) B23K 37/00 (2006.01) B23K 37/02 (2006.01)**

[25] EN

[54] **SCRAP CUTTING APPARATUS WITH TRAVELING PROTECTIVE ENCLOSURE**

[54] **APPAREIL DE COUPE DE REBUTS DOTE D'UNE ENCEINTE DE PROTECTION MOBILE**

[72] SCHUTZ, TIMOTHY G., US

[72] JUNG, JOSEPH H., US

[71] TMS INTERNATIONAL CORPORATION, US

[85] 2018-12-20

[86] 2017-06-22 (PCT/US2017/038758)

[87] (WO2017/223317)

[30] US (62/354,293) 2016-06-24

[30] US (62/481,220) 2017-04-04

[21] **3,028,978**
[13] A1

[51] **Int.Cl. A61K 51/08 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DOUBLE TARGETED CONSTRUCTS TO AFFECT TUMOR KILL**

[54] **CONSTRUCTIONS A DOUBLE CIBLAGE DESTINEES A INFLUENCER L'ELIMINATION DES TUMEURS**

[72] BABICH, JOHN W., US

[72] KELLY, JAMES M., US

[72] AMOR-COARASA, ALEJANDRO, US

[72] PONNALA, SHASHIKANTH, US

[71] CORNELL UNIVERSITY, US

[85] 2018-12-20

[86] 2017-06-22 (PCT/US2017/038832)

[87] (WO2017/223357)

[30] US (62/353,735) 2016-06-23

[21] **3,028,975**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) C40B 30/04 (2006.01) G01N 33/53 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **METHODS FOR DIAGNOSIS AND TREATMENT OF AUTOIMMUNE DISEASES**

[54] **METHODES POUR LE DIAGNOSTIC ET LE TRAITEMENT DE MALADIES AUTO-IMMUNES**

[72] ROWE, MICHAEL WILLIAM, US

[72] TARASOW, THEODORE MICHAEL, US

[72] MELNICK, JONATHAN SCOTT, US

[71] HEALTHTELL INC., US

[85] 2018-12-20

[86] 2017-06-20 (PCT/US2017/038392)

[87] (WO2017/223117)

[30] US (62/352,519) 2016-06-20

[30] US (62/421,185) 2016-11-11

[21] **3,028,977**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**

[25] EN

[54] **PERSONAL PROTECTIVE EQUIPMENT (PPE) WITH ANALYTICAL STREAM PROCESSING FOR SAFETY EVENT DETECTION**

[54] **EQUIPEMENT DE PROTECTION PERSONNELLE (PPE) A TRAITEMENT DE FLUX ANALYTIQUE POUR LA DETECTION D'EVENEMENT DE SECURITE**

[72] AWISZUS, STEVEN T., US

[72] LOBNER, ERIC C., US

[72] WURM, MICHAEL G., US

[72] KANUKURTHY, KIRAN S., US

[72] HU, JIA, US

[72] BLACKFORD, MATTHEW J., US

[72] MATTSON, KEITH G., US

[72] JESME, RONALD D., US

[72] ANDERSON, NATHAN J., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2018-12-20

[86] 2017-06-23 (PCT/US2017/039041)

[87] (WO2017/223476)

[30] US (15/190,564) 2016-06-23

[30] US (62/408,634) 2016-10-14

[21] **3,028,979**
[13] A1

[51] **Int.Cl. E21B 49/08 (2006.01) G01N 27/02 (2006.01)**

[25] EN

[54] **APPLICATION OF ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY IN DRILLING FLUID COMPOSITION MEASUREMENTS**

[54] **APPLICATION DE SPECTROSCOPIE D'IMPEDANCE ELECTROCHIMIQUE DANS DES MESURES DE COMPOSITION DE FLUIDE DE FORAGE**

[72] YE, XIANGNAN, US

[72] GAO, LI, US

[72] JAMISON, DALE E., US

[72] PELLETIER, MICHAEL T., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-20

[86] 2016-08-24 (PCT/US2016/048349)

[87] (WO2018/038717)

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[21] **3,028,980**
[13] A1

[51] **Int.Cl. G09B 23/30 (2006.01)**
[25] EN
[54] **SIMULATED ABDOMINAL WALL**
[54] **PAROI ABDOMINALE SIMULEE**
[72] HOFSTETTER, GREGORY K., US
[72] BRESLIN, TRACY, US
[72] VELASCO, JOEL B., US
[71] APPLIED MEDICAL RESOURCES
CORPORATON, US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039113)
[87] (WO2018/005301)
[30] US (62/355,170) 2016-06-27

[21] **3,028,981**
[13] A1

[51] **Int.Cl. B08B 17/06 (2006.01) B08B**
17/02 (2006.01) B29C 59/00 (2006.01)
B29C 59/02 (2006.01) B81C 1/00
(2006.01)
[25] EN
[54] **MICROSTRUCTURED**
PACKAGING SURFACES FOR
ENHANCED GRIP
[54] **SURFACES D'EMBALLAGE**
MICROSTRUCTUREES
PERMETTANT UNE SAISIE
AMELIOREE
[72] HULSEMAN, RALPH ALLEN, US
[72] MCPHERSON, CAMERON, US
[71] HAVI GLOBAL SOLUTIONS, LLC,
US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039085)
[87] (WO2018/005294)
[30] US (62/355,081) 2016-06-27
[30] US (15/424,627) 2017-02-03

[21] **3,028,982**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K**
35/17 (2015.01) A61K 35/12 (2015.01)
A61P 31/18 (2006.01) C07H 21/02
(2006.01) C12N 15/85 (2006.01) C12N
15/86 (2006.01)
[25] EN
[54] **HIV PRE-IMMUNIZATION AND**
IMMUNOTHERAPY
[54] **PRE-IMMUNISATION ET**
IMMUNOTHERAPIE DU VIH
[72] PAUZA, CHARLES DAVID, US
[72] LI, HAISHAN, US
[72] LAHUSEN, TYLER, US
[71] AMERICAN GENE TECHNOLOGIES
INTERNATIONAL INC., US
[85] 2018-12-20
[86] 2017-01-11 (PCT/US2017/013019)
[87] (WO2018/009246)
[30] US (62/360,185) 2016-07-08
[30] US (62/385,864) 2016-09-09
[30] US (62/409,270) 2016-10-17

[21] **3,028,983**
[13] A1

[51] **Int.Cl. B01D 46/52 (2006.01) B01D**
27/06 (2006.01) B01D 45/08 (2006.01)
B01D 46/00 (2006.01) B01D 46/10
(2006.01)
[25] EN
[54] **COMPOUND AIR FILTER**
[54] **COMPOSANT DE FILTRE A AIR**
[72] WALL, JERE JAMES, US
[71] K&N ENGINEERING, INC., US
[71] WALL, JERE JAMES, US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039121)
[87] (WO2017/223518)
[30] US (62/354,549) 2016-06-24
[30] US (15/632,122) 2017-06-23

[21] **3,028,984**
[13] A1

[51] **Int.Cl. C02F 1/467 (2006.01)**
[25] EN
[54] **INACTIVATION OF HIGHLY**
RESISTANT INFECTIOUS
MICROBES AND PROTEINS
WITH UNBUFFERED
HYPOHALOUS ACID
COMPOSITIONS
[54] **INACTIVATION DE PROTEINES**
ET MICROBES INFECTIEUX
HAUTEMENT RESISTANTS AVEC
DES COMPOSITIONS D'ACIDE
HYPOHALEUX SANS TAMPON
[72] TERRY, DANIEL JAMES, US
[72] WILLIAMS, JEFFREY FRANCIS, US
[71] BRIOTECH, INC., US
[85] 2018-12-20
[86] 2017-06-22 (PCT/US2017/038838)
[87] (WO2017/223361)
[30] US (62/353,483) 2016-06-22

[21] **3,028,985**
[13] A1

[51] **Int.Cl. A61B 5/026 (2006.01) A61B**
5/0428 (2006.01) A61B 5/0452
(2006.01)
[25] EN
[54] **NON-INVASIVE METHOD AND**
SYSTEM FOR MEASURING
MYOCARDIAL ISCHEMIA,
STENOSIS IDENTIFICATION,
LOCALIZATION AND
FRACTIONAL FLOW RESERVE
ESTIMATION
[54] **PROCEDE ET SYSTEME NON**
INVASIFS SERVANT A LA
MESURE D'UNE ISCHEMIE
MYOCARDIQUE,
IDENTIFICATION,
LOCALISATION ET ESTIMATION
DE LA RESERVE DE DEBIT
FRACTIONNAIRE (FFR) D'UNE
STENOSE
[72] GUPTA, SUNNY, CA
[72] RAMCHANDANI, SHYAMLAL, CA
[72] BURTON, TIMOTHY, CA
[72] SANDERS, WILLIAM, US
[72] SHADFORTH, IAN, US
[71] ANALYTICS FOR LIFE INC., CA
[85] 2018-12-20
[86] 2017-06-26 (PCT/IB2017/053814)
[87] (WO2017/221221)
[30] US (62/354,673) 2016-06-24
[30] US (62/409,176) 2016-10-17

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[21] **3,028,986**
[13] A1

[51] **Int.Cl. A24D 3/06 (2006.01) A24D 3/18 (2006.01) A24F 47/00 (2006.01)**

[25] EN
[54] **HYDROPHOBIC CAPSULE**
[54] **CAPSULE HYDROPHOBE**
[72] GUYARD, AURELIEN, CH
[72] LAVANANT, LAURENT, FR
[72] JORDIL, YVES, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-12-20
[86] 2017-06-28 (PCT/IB2017/053871)
[87] (WO2018/011660)
[30] US (62/360,923) 2016-07-11

[21] **3,028,987**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**

[25] EN
[54] **PERSONAL PROTECTIVE EQUIPMENT SYSTEM HAVING ANALYTICS ENGINE WITH INTEGRATED MONITORING, ALERTING, AND PREDICTIVE SAFETY EVENT AVOIDANCE**
[54] **SYSTEME D'EQUIPEMENT DE PROTECTION INDIVIDUELLE POSSEDANT UN MOTEUR ANALYTIQUE A SURVEILLANCE, ALERTE ET EVITEMENT D'EVENEMENT DE SECURITE PREDICTIF INTEGRES**
[72] AWISZUS, STEVEN T., US
[72] KANUKURTHY, KIRAN S., US
[72] LOBNER, ERIC C., US
[72] QUINTERO, ROBERT J., US
[72] JOHNSON, MICAYLA A., US
[72] FILLOUX, MADELEINE E., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/038983)
[87] (WO2017/223438)
[30] US (15/190,564) 2016-06-23
[30] US (62/408,564) 2016-10-14

[21] **3,028,988**
[13] A1

[51] **Int.Cl. F02M 37/22 (2019.01) F02M 37/00 (2006.01)**

[25] EN
[54] **FUEL HEATING APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES DE CHAUFFAGE DE CARBURANT**
[72] SMITH, TODD, US
[72] WHITAKER, CALVIN, US
[72] SCHOFNER, FREDERICK, US
[72] DYE, RICK, US
[71] CT ENERGY HOLDINGS, LLC, US
[85] 2018-12-20
[86] 2017-03-01 (PCT/US2017/020248)
[87] (WO2017/151800)
[30] US (62/389,532) 2016-03-01
[30] US (62/498,929) 2017-01-12

[21] **3,028,989**
[13] A1

[51] **Int.Cl. B64D 13/08 (2006.01) B64D 13/06 (2006.01) B64D 15/04 (2006.01) B64D 27/26 (2006.01) B64D 33/00 (2006.01)**

[25] EN
[54] **ASSEMBLY AND METHOD FOR CONDITIONING ENGINE-HEATED AIR ONBOARD AN AIRCRAFT**
[54] **ENSEMBLE ET PROCEDE DE CONDITIONNEMENT D'AIR CHAUFFE PAR MOTEUR A BORD D'UN AERONEF**
[72] EPP, DUANE, CA
[72] TSUI, IGNATIUS, CA
[71] BOMBARDIER INC., CA
[85] 2018-12-20
[86] 2017-06-28 (PCT/IB2017/053887)
[87] (WO2018/002855)
[30] US (62/357,256) 2016-06-30

[21] **3,028,990**
[13] A1

[51] **Int.Cl. B01D 27/06 (2006.01) B01D 29/07 (2006.01) B01D 29/56 (2006.01) B01D 39/14 (2006.01) B01D 46/10 (2006.01) B01D 46/12 (2006.01) B01D 46/52 (2006.01)**

[25] EN
[54] **COMPOUND AIR FILTERS AND METHODS THEREOF**
[54] **FILTRES A AIR CONTENANT DES COMPOSES ET PROCEDES ASSOCIES AUXDITS FILTRES**
[72] WALL, JERE JAMES, US
[71] K&N ENGINEERING, INC., US
[71] WALL, JERE JAMES, US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039124)
[87] (WO2017/223521)
[30] US (62/354,549) 2016-06-24
[30] US (15/632,139) 2017-06-23

[21] **3,028,991**
[13] A1

[51] **Int.Cl. F24C 1/08 (2006.01) F21K 9/23 (2016.01) A47J 36/24 (2006.01) F24F 13/078 (2006.01) H05B 3/00 (2006.01)**

[25] EN
[54] **FOOD PRODUCT TEMPERATURE REGULATION UNIT**
[54] **UNITE DE REGULATION DE TEMPERATURE D'UN PRODUIT ALIMENTAIRE**
[72] SCANLON, JOHN, US
[71] HATCO CORPORATION, US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/038960)
[87] (WO2017/223418)
[30] US (62/354,414) 2016-06-24
[30] US (15/421,096) 2017-01-31

[21] **3,028,992**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01)**

[25] EN
[54] **JOINT FOR FLOORS IN STRIPS**
[54] **ARTICULATION POUR PLANCHERS EN BANDES**
[72] GARBELOTTO, ANTONIO, IT
[71] PARCHETTIFICIO GARBELOTTO S.R.L., IT
[85] 2018-12-20
[86] 2017-06-29 (PCT/IB2017/053897)
[87] (WO2018/002859)
[30] IT (102016000067817) 2016-06-30

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[21] **3,028,993**
[13] A1

[51] **Int.Cl. G06F 11/30 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS AND APPARATUS TO DYNAMICALLY FACILITATE BOUNDARYLESS, HIGH AVAILABILITY SYSTEM MANAGEMENT**

[54] **PROCEDES, SYSTEMES ET APPAREIL CONCUS POUR FACILITER DE MANIERE DYNAMIQUE LA GESTION D'UN SYSTEME SANS LIMITE ET A FORTE DISPONIBILITE**

[72] MACHA, RAJA RAMANA, US
[72] KLING, ANDREW LEE DAVID, US
[72] MIDDELDORP, FRANS, NL
[72] CAMINO, NESTOR JESUS, JR., US
[72] LUTH, JAMES GERARD, US
[72] MCINTYRE, JAMES P., US
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US

[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039138)
[87] (WO2017/223532)
[30] US (62/354,669) 2016-06-24

[21] **3,028,994**
[13] A1

[51] **Int.Cl. H02K 7/02 (2006.01) F16C 32/04 (2006.01) H02K 7/09 (2006.01)**
[25] EN
[54] **FLYWHEEL KINETIC ACCUMULATOR**

[54] **ACCUMULATEUR CINETIQUE A VOLANT D'INERTIE**

[72] COSTANTINO, GIANCARLO, IT
[72] DONDI, ALESSANDRO, IT
[72] PAGANI, LAURO, IT
[71] SPINNING TOP ENERGY S.R.L., IT
[85] 2018-12-20
[86] 2017-07-03 (PCT/IB2017/054009)
[87] (WO2018/007931)
[30] IT (102016000069910) 2016-07-05

[21] **3,028,995**
[13] A1

[51] **Int.Cl. G05B 19/042 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **METHODS, SYSTEMS AND APPARATUS TO DYNAMICALLY FACILITATE BOUNDARYLESS, HIGH AVAILABILITY M:N WORKING CONFIGURATION SYSTEM MANAGEMENT**

[54] **PROCEDES, SYSTEMES ET APPAREIL DE FACILITATION DYNAMIQUE DE GESTION DE SYSTEME DE CONFIGURATION DE TRAVAIL M:N A HAUTE DISPONIBILITE SANS LIMITE**

[72] MACHA, RAJA RAMANA, US
[72] KLING, ANDREW LEE DAVID, US
[72] MIDDELDORP, FRANS, NL
[72] CAMINO, NESTOR JESUS, JR., US
[72] LUTH, JAMES GERARD, US
[72] MCINTYRE, JAMES P., US
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US

[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039142)
[87] (WO2017/223535)
[30] US (62/354,669) 2016-06-24

[21] **3,028,996**
[13] A1

[51] **Int.Cl. G07C 5/08 (2006.01) G07C 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETECTING AND VALIDATING ANOMALOUS STRESSES OF A TRANSPORTATION VEHICLE RECORDED BY AN ON-BOARD DEVICE ADAPTED TO ACQUIRE DATA RELATIVE TO MOTION AND/OR DRIVING PARAMETERS OF A TRANSPORTATION VEHICLE**

[54] **PROCEDE DE DETECTION ET DE VALIDATION DE CONTRAINTES ANORMALES D'UN VEHICULE DE TRANSPORT ENREGISTREES PAR UN DISPOSITIF EMBARQUE ADAPTE A L'ACQUISITION DE DONNEES RELATIVES A DESPARAMETRES DE MOUVEMENT ET/OU DE CONDUITE D'UN VEHICULE DE TRANSPORT**

[72] AMENDOLAGINE, MARCO, IT
[72] ZUCO, GIUSEPPE, IT
[72] FERRO, MARIA, IT
[71] OCTO TELEMATICS S.P.A., IT
[85] 2018-12-20
[86] 2017-08-02 (PCT/IB2017/054718)
[87] (WO2018/025194)
[30] IT (102016000081122) 2016-08-02

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[21] 3,028,997 [13] A1	[21] 3,028,999 [13] A1	[21] 3,029,000 [13] A1
<p>[51] Int.Cl. C07D 239/48 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 11/06 (2006.01) A61P 13/00 (2006.01) A61P 25/00 (2006.01) A61P 31/00 (2006.01) A61P 37/06 (2006.01)</p> <p>[25] EN</p> <p>[54] 2,4-DIAMINO-PYRIMIDINE COMPOUNDS AND METHOD FOR MAKING AND USING THE COMPOUNDS</p> <p>[54] COMPOSES DE 2,4-DIAMINOPYRIMIDINE ET PROCEDE DE PREPARATION ET D'UTILISATION DE CES COMPOSES</p> <p>[72] CHEN, YAN, US</p> <p>[72] YEN, ROSE, US</p> <p>[72] YU, JIAXIN, US</p> <p>[72] TAYLOR, VANESSA, US</p> <p>[72] SINGH, RAJINDER, US</p> <p>[71] RIGEL PHARMACEUTICALS, INC., US</p> <p>[85] 2018-12-20</p> <p>[86] 2017-06-26 (PCT/US2017/039273)</p> <p>[87] (WO2018/005356)</p> <p>[30] US (62/355,189) 2016-06-27</p>	<p>[51] Int.Cl. C07D 417/04 (2006.01) A61K 31/497 (2006.01) A61K 31/4995 (2006.01) A61P 35/00 (2006.01) C07D 417/14 (2006.01) C07D 487/08 (2006.01)</p> <p>[25] EN</p> <p>[54] THIAZOLE DERIVATIVES USEFUL AS MUTANT IDH1 INHIBITORS FOR TREATING CANCER</p> <p>[54] UTILISATIONS DE DERIVES DE THIAZOLE EN TANT QU'INHIBITEURS MUTANTS D'IDH1 POUR LE TRAITEMENT DU CANCER</p> <p>[72] BOXER, MATTHEW BRIAN, US</p> <p>[72] WANG, XIAODONG, US</p> <p>[72] BRIMACOMBE, KYLE RYAN, US</p> <p>[72] EMILY DAVIS, MINDY IRENE, US</p> <p>[72] FANG, YUHONG, US</p> <p>[72] HALL, MATTHEW, US</p> <p>[72] JADHAV, AJIT, US</p> <p>[72] KARAVADHI, SURENDRA, US</p> <p>[72] LIU, LI, US</p> <p>[72] MARTINEZ, NATALIA, US</p> <p>[72] MCIVER, ANDREW LOUIS, US</p> <p>[72] PRAGANI, RAJAN, US</p> <p>[72] ROHDE, JASON MATTHEW, US</p> <p>[72] SIMEONOV, ANTON, US</p> <p>[72] ZHAO, WEI, US</p> <p>[72] SHEN, MIN, US</p> <p>[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US</p> <p>[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US</p> <p>[85] 2018-12-20</p> <p>[86] 2017-06-21 (PCT/US2017/038549)</p> <p>[87] (WO2017/223202)</p> <p>[30] US (62/353,298) 2016-06-22</p>	<p>[51] Int.Cl. B01L 3/00 (2006.01) B04B 5/04 (2006.01) G01N 21/07 (2006.01) G01N 33/48 (2006.01) G01N 33/487 (2006.01) G01N 33/49 (2006.01)</p> <p>[25] EN</p> <p>[54] DEVICES WITH MODIFIED CONDUITS</p> <p>[54] DISPOSITIFS A CONDUITS MODIFIES</p> <p>[72] FARNAM, WARREN EDWARD, III, US</p> <p>[72] TRIGUB, GREGORY, US</p> <p>[72] SHARTLE, ROBERT JUSTICE, US</p> <p>[72] KUEHNER, DANIEL E., US</p> <p>[71] ABAXIS, INC., US</p> <p>[85] 2018-12-20</p> <p>[86] 2017-06-27 (PCT/US2017/039460)</p> <p>[87] (WO2018/005464)</p> <p>[30] US (62/355,168) 2016-06-27</p>
[21] 3,028,998 [13] A1		[21] 3,029,001 [13] A1
<p>[51] Int.Cl. A61F 5/01 (2006.01) A61F 5/052 (2006.01)</p> <p>[25] EN</p> <p>[54] DYNAMIC TENSION BRACE OR SUPPORT</p> <p>[54] DISPOSITIF OU SOUTIEN DE TENSION DYNAMIQUE</p> <p>[72] DUCHARME, DUSTIN, US</p> <p>[72] AMENDOLA, ANNUNZIATO, US</p> <p>[72] DEN HARTOG, BRYAN, US</p> <p>[72] KAY, DAVID B., US</p> <p>[72] PERERA, ANTHONY, GB</p> <p>[72] MILLIFF, BRIAN, US</p> <p>[72] BROWN, PATRICK, US</p> <p>[71] EXTREMITY DEVELOPMENT COMPANY, LLC, US</p> <p>[85] 2018-12-20</p> <p>[86] 2017-05-02 (PCT/US2017/030576)</p> <p>[87] (WO2018/004816)</p> <p>[30] US (62/355,032) 2016-06-27</p> <p>[30] US (62/355,044) 2016-06-27</p> <p>[30] US (15/349,617) 2016-11-11</p> <p>[30] US (15/583,291) 2017-05-01</p>		<p>[51] Int.Cl. C12N 5/0783 (2010.01) A01K 67/00 (2006.01) A61K 35/12 (2015.01) A61K 39/00 (2006.01)</p> <p>[25] EN</p> <p>[54] VETO CELLS GENERATED FROM MEMORY T CELLS</p> <p>[54] CELLULES VETO GENEREES A PARTIR DE LYMPHOCYTES T MEMOIRE</p> <p>[72] REISNER, YAIR, IL</p> <p>[72] OR-GEVA, NOGA, IL</p> <p>[72] GIDRON BUDOVSKY, ROTEM, IL</p> <p>[72] BACHAR-LUSTIG, ESTHER, IL</p> <p>[72] LASK, ASSAF, IL</p> <p>[72] KAGAN, SIVAN, IL</p> <p>[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL</p> <p>[85] 2018-12-20</p> <p>[86] 2017-06-27 (PCT/IL2017/050716)</p> <p>[87] (WO2018/002924)</p> <p>[30] US (62/354,950) 2016-06-27</p>

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[21] **3,029,002**
[13] A1

[51] **Int.Cl. G05B 19/042 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVISIONING CONFIGURING DEVICES OPERATING IN INDUSTRIAL AUTOMATION ENVIRONMENTS**

[54] **SYSTEMES ET PROCEDES DE FOURNITURE DE DISPOSITIFS DE CONFIGURATION FONCTIONNANT DANS DES ENVIRONNEMENTS D'AUTOMATISATION INDUSTRIELLE**

[72] THIA, HOCK HENG, SG
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2018-12-20
[86] 2017-05-15 (PCT/US2017/032649)
[87] (WO2018/004843)
[30] US (15/199,229) 2016-06-30

[21] **3,029,003**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/41 (2006.01) A61K 31/4162 (2006.01) A61K 31/519 (2006.01)**

[25] EN
[54] **CANCER TREATMENT COMBINATIONS**

[54] **ASSOCIATIONS MEDICAMENTEUSES POUR LE TRAITEMENT DU CANCER**

[72] KIPPS, THOMAS J., US
[72] CHEN, LIGUANG, US
[72] CUI, BING, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-12-20
[86] 2017-06-27 (PCT/US2017/039536)
[87] (WO2018/005519)
[30] US (62/355,171) 2016-06-27

[21] **3,029,004**
[13] A1

[51] **Int.Cl. C07D 403/10 (2006.01) A61K 31/502 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 405/14 (2006.01) C07D 471/04 (2006.01)**

[25] EN
[54] **PHTHALAZINE DERIVATIVES AS INHIBITORS OF PARP1, PARP2 AND/OR TUBULIN USEFUL FOR THE TREATMENT OF CANCER**

[54] **DERIVES DE PHTHALAZINE UTILES EN TANT QU'INHIBITEURS DE PARP1, PARP2 ET/OU DE TUBULINE DANS LE TRAITEMENT DU CANCER**

[72] TSANG, TSZE, US
[72] PETO, CSABA J., US
[72] JABLONS, DAVID M., US
[72] LEMJABBAR-ALAOUI, HASSAN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] ATLASMEDX, INC., US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039119)
[87] (WO2017/223516)
[30] US (62/354,449) 2016-06-24
[30] US (62/426,095) 2016-11-23

[21] **3,029,005**
[13] A1

[51] **Int.Cl. A61K 31/513 (2006.01) A61K 31/70 (2006.01)**

[25] EN
[54] **LIPONUCLEOTIDE-BASED THERAPY FOR ARDS**

[54] **THERAPIE A BASE DE LIPONUCLEOTIDES POUR LE SDR**

[72] DAVIS, IAN CHRISTOPHER, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2018-12-20
[86] 2017-06-27 (PCT/US2017/039545)
[87] (WO2018/005527)
[30] US (62/355,096) 2016-06-27

[21] **3,029,006**
[13] A1

[51] **Int.Cl. C12P 19/34 (2006.01) B01J 19/00 (2006.01) B01L 3/00 (2006.01)**

[25] EN
[54] **MOLECULAR CHAIN SYNTHESIZER**

[54] **SYNTHETISEUR DE CHAINE MOLECULAIRE**

[72] FRANK, IAN W., US
[72] MAGYAR, ANDREW P., US
[72] KORN, JEFFREY, US
[72] PATEL, NEIL S., US
[71] THE CHARLES STARK DRAPER LABORATORY, INC., US
[85] 2018-12-20
[86] 2017-05-22 (PCT/US2017/033770)
[87] (WO2017/222710)
[30] US (62/353,318) 2016-06-22
[30] US (62/398,034) 2016-09-22

[21] **3,029,007**
[13] A1

[51] **Int.Cl. C11B 9/00 (2006.01) A61K 31/05 (2006.01) B01D 11/02 (2006.01) C11B 9/02 (2006.01)**

[25] EN
[54] **LIQUID CARBON DIOXIDE BOTANICAL EXTRACTION SYSTEM**

[54] **SYSTEME D'EXTRACTION BOTANIQUE DE DIOXYDE DE CARBONE LIQUIDE**

[72] SORBO, NELSON, US
[72] TURNER, JON, US
[72] WIKSTROM, JON, US
[71] COOL CLEAN TECHNOLOGIES, LLC, US
[85] 2018-12-20
[86] 2017-06-23 (PCT/US2017/039122)
[87] (WO2017/223519)
[30] US (62/354,354) 2016-06-24

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[21] **3,029,009**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/06 (2012.01) G06Q 10/00 (2012.01) G06Q 30/00 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF REALLOCATING PALLETIZED PRODUCTS WHILE BREAKING OUT THE PRODUCTS**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE REAFFECTER DES PRODUITS PALETTISES TOUT EN LES REPARTISSANT**

[72] WILKINSON, BRUCE W., US
[72] MATTINGLY, TODD D., US
[71] WALMART APOLLO, LLC, US
[85] 2018-12-20
[86] 2017-06-28 (PCT/US2017/039668)
[87] (WO2018/005603)
[30] US (62/356,387) 2016-06-29
[30] US (62/436,842) 2016-12-20
[30] US (62/465,932) 2017-03-02
[30] US (62/485,045) 2017-04-13

[21] **3,029,010**
[13] A1

[51] **Int.Cl. H04B 10/03 (2013.01)**

[25] EN

[54] **OPTICAL NETWORK UNIT RESET MESSAGE**

[54] **MESSAGE DE REINITIALISATION D'UNITE DE RESEAU OPTIQUE**

[72] GAO, BO, CN
[72] LUO, YUANQIU, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-12-20
[86] 2017-06-21 (PCT/US2017/038602)
[87] (WO2017/223235)
[30] US (62/352,888) 2016-06-21
[30] US (15/627,746) 2017-06-20

[21] **3,029,011**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **COMPOSITION FOR USE IN MOLECULAR CHAIN SYNTHESIS**

[54] **COMPOSITION DESTINEE A ETRE UTILISEE DANS LA SYNTHESE DES CHAINES MOLECULAIRES**

[72] SPRACHMAN, MELISSA M., US
[72] MAGYAR, ANDREW P., US
[72] GRISWOLD, KETTNER JOHN FREDERICK, JR., US
[71] THE CHARLES STARK DRAPER LABORATORY, INC., US
[85] 2018-12-20
[86] 2017-05-22 (PCT/US2017/033772)
[87] (WO2017/222711)
[30] US (62/353,318) 2016-06-22
[30] US (62/398,049) 2016-09-22

[21] **3,029,012**
[13] A1

[51] **Int.Cl. A61K 31/352 (2006.01) A61K 31/382 (2006.01) A61K 31/4706 (2006.01) A61K 45/06 (2006.01) A61P 31/12 (2006.01) A61P 31/22 (2006.01)**

[25] EN

[54] **HYCANTHONE DERIVATIVES AND PRIMAQUINE DERIVATIVES FOR USE IN THE PREVENTION AND/OR THE TREATMENT OF DISORDERS ASSOCIATED TO GAMMAHERPESVIRUS**

[54] **DERIVES D'HYCANTHONE ET DERIVES DE PRIMAQUINE DESTINES A ETRE UTILISES POUR PREVENIR ET/OU TRAITER DES AFFECTIONS ASSOCIEES A GAMMAHERPESVIRINAE**

[72] DUPIN, NICOLAS, FR
[72] MARCELIN, ANNE-GENEVIEVE, FR
[72] CALVEZ, VINCENT, FR
[72] GRANGE, PHILIPPE, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[71] UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6), FR
[71] UNIVERSITE PARIS DESCARTES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[85] 2018-12-19
[86] 2017-06-28 (PCT/EP2017/066020)
[87] (WO2018/002153)
[30] EP (16305782.1) 2016-06-28

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[21] **3,029,013**
[13] A1

[51] **Int.Cl. B65G 21/10 (2006.01) B65G 21/14 (2006.01) B65G 41/00 (2006.01) B65G 65/00 (2006.01) B65G 67/00 (2006.01)**

[25] EN

[54] **TRANSPORTABLE CONVEYOR APPARATUS, SYSTEMS, AND METHODS**

[54] **APPAREIL CONVOYEUR TRANSPORTABLE, SYSTEMES ET PROCEDES**

[72] GRIMM, LAFE, US

[72] ROSEN, PHILIP, US

[71] SUPERIOR INDUSTRIES, INC., US

[85] 2018-12-20

[86] 2017-06-21 (PCT/US2017/038623)

[87] (WO2017/223253)

[30] US (62/353,011) 2016-06-21

[30] US (62/502,223) 2017-05-05

[21] **3,029,014**
[13] A1

[51] **Int.Cl. F16G 11/02 (2006.01) F16G 11/14 (2006.01)**

[25] EN

[54] **SUPPORT STRUCTURE FOR SUPPORTING A CABLE**

[54] **STRUCTURE DE SUPPORT POUR SOUTENIR UN CABLE**

[72] ALBAN, REBECCA MARIE, US

[72] HANNEMAN, ANDREW JAMES, US

[72] VARGO, PHILLIP STEVEN, US

[72] MAIANO, BRUNO ALDO, US

[72] LAMBERT, THEO DOMINIQUE, US

[71] PREFORMED LINE PRODUCTS CO., US

[85] 2018-12-20

[86] 2017-05-25 (PCT/US2017/034580)

[87] (WO2017/205693)

[30] US (62/341,335) 2016-05-25

[21] **3,029,015**
[13] A1

[51] **Int.Cl. C10G 49/18 (2006.01) C10G 47/32 (2006.01) C10L 9/08 (2006.01)**

[25] EN

[54] **SUPERCRITICAL WATER SEPARATION PROCESS**

[54] **PROCEDE DE SEPARATION UTILISANT DE L'EAU SUPERCRITIQUE**

[72] COPPOLA, EDWARD N., US

[72] RED, CHARLES, JR., US

[72] NANA, SANJAY, US

[72] PELT, KENNETH D., US

[72] WAHLGREN, JOCELYN MARIE, US

[71] APPLIED RESEARCH ASSOCIATES, INC., US

[85] 2018-12-20

[86] 2017-07-07 (PCT/US2017/041116)

[87] (WO2018/009808)

[30] US (62/359,896) 2016-07-08

[21] **3,029,016**
[13] A1

[51] **Int.Cl. B65D 77/08 (2006.01) B65D 25/04 (2006.01) B65D 77/10 (2006.01) B65D 81/32 (2006.01)**

[25] EN

[54] **MULTI-COMPARTMENT CONTAINERS**

[54] **CONTENANTS A COMPARTIMENTS MULTIPLES**

[72] GERSOVITZ, GERRY, US

[71] GERSOVITZ, GERRY, US

[85] 2018-12-20

[86] 2017-07-03 (PCT/US2017/040583)

[87] (WO2018/006085)

[30] US (62/357,644) 2016-07-01

[21] **3,029,018**
[13] A1

[51] **Int.Cl. G06Q 20/02 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR AUTHORIZING AND PROCESSING PAYMENT TRANSACTIONS OVER A NETWORK**

[54] **PROCEDE ET SYSTEME D'AUTORISATION ET DE TRAITEMENT DE TRANSACTIONS DE PAIEMENT SUR UN RESEAU**

[72] SIGMUND, MATTHIAS

[72] WOLFGANG, DE

[71] MASTERCARD INTERNATIONAL INCORPORATED, US

[85] 2018-12-20

[86] 2017-06-07 (PCT/US2017/036237)

[87] (WO2017/222810)

[30] EP (16175970.9) 2016-06-23

[21] **3,029,019**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61N 1/05 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01) A61N 1/378 (2006.01)**

[25] EN

[54] **IMPLANTS USING ULTRASONIC BACKSCATTER FOR SENSING PHYSIOLOGICAL CONDITIONS**

[54] **IMPLANTS UTILISANT UNE RETRODIFFUSION ULTRASONORE POUR DETECTER DES CONDITIONS PHYSIOLOGIQUES**

[72] MAHARBIZ, MICHEL M., US

[72] CARMENA, JOSE M., US

[72] ANWAR, MEKHAIL, US

[72] OZILGEN, BURAK A., US

[72] SEO, DONGJIN, US

[72] FAVA, FEDERICA, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2018-12-20

[86] 2017-07-07 (PCT/US2017/041257)

[87] (WO2018/009905)

[30] US (62/359,672) 2016-07-07

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[21] **3,029,020**
[13] A1

[51] **Int.Cl. A61B 5/107 (2006.01) A61B 5/00 (2006.01) A61B 5/103 (2006.01) A61F 5/01 (2006.01) G06T 7/00 (2017.01)**

[25] EN

[54] **MEASUREMENT AND ORDERING SYSTEM FOR ORTHOTIC DEVICES**

[54] **SYSTEME DE MESURE ET DE COMMANDE POUR DISPOSITIFS ORTHOPEDIQUES.**

[72] LUNAU, KEVIN R., US

[72] FISCHER, WALLACE RAY, US

[72] SKAHAN, MICHAEL S., US

[71] VISION QUEST INDUSTRIES INCORPORATED DBA VQ ORTHOCARE, US

[85] 2018-12-20

[86] 2017-06-29 (PCT/US2017/039879)

[87] (WO2018/005730)

[30] US (62/356,480) 2016-06-29

[21] **3,029,021**
[13] A1

[51] **Int.Cl. B41F 17/22 (2006.01) B41F 13/004 (2006.01) B41F 33/00 (2006.01) B41F 33/02 (2006.01)**

[25] EN

[54] **DECORATOR DRIVE AND PRINTING PLATE CYLINDER AUTOMATION**

[54] **ENTRAINEMENT D'UN DISPOSITIF DE DECORATION ET AUTOMATISATION DU CYLINDRE DE PLAQUE D'IMPRESSIION**

[72] EGERTON, DANIEL, GB

[72] WILKINSON, IAN, GB

[71] CROWN PACKAGING TECHNOLOGY, INC., US

[85] 2018-12-20

[86] 2017-07-10 (PCT/US2017/041334)

[87] (WO2018/013465)

[30] US (62/360,865) 2016-07-11

[21] **3,029,022**
[13] A1

[51] **Int.Cl. F23R 3/00 (2006.01) F23R 3/54 (2006.01)**

[25] EN

[54] **COMBUSTOR ASSEMBLIES FOR USE IN TURBINE ENGINES AND METHODS OF ASSEMBLING SAME**

[54] **ENSEMBLES CHAMBRE DE COMBUSTION DESTINES A ETRE UTILISES DANS DES TURBINES, ET LEURS PROCEDES D'ASSEMBLAGE**

[72] MONTY, JOSEPH DOUGLAS, US

[72] JACOBSON, JOHN CARL, US

[72] HOWELL, STEPHEN JOHN, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2018-12-20

[86] 2017-06-29 (PCT/US2017/040142)

[87] (WO2018/009418)

[30] US (15/203,110) 2016-07-06

[21] **3,029,023**
[13] A1

[51] **Int.Cl. A23B 7/005 (2006.01) A23B 7/08 (2006.01) A23B 7/14 (2006.01) A23B 7/148 (2006.01) A23B 7/157 (2006.01) A23B 7/16 (2006.01)**

[25] EN

[54] **FRESH-LIKE FRUIT WITH EXTENDED SHELF LIFE**

[54] **FRUIT FRAIS A DUREE DE CONSERVATION PROLONGEE**

[72] BORYSIK, ADAM RYSZARD, FR

[72] NG, CHRISTINE, US

[72] STOLK, MAARTEN, NL

[72] GARCIA, CYNTHIA BERENICE MARMOLEJO, NL

[72] AKKERMANS, CYNTHIA, NL

[71] GENERAL MILLS INC., US

[71] YOPLAIT FRANCE SAS, FR

[85] 2018-12-20

[86] 2017-06-13 (PCT/US2017/037216)

[87] (WO2018/005081)

[30] US (62/355,790) 2016-06-28

[21] **3,029,024**
[13] A1

[51] **Int.Cl. G06F 11/30 (2006.01)**

[25] EN

[54] **METHODS, SYSTEMS AND APPARATUS TO DYNAMICALLY FACILITATE BOUNDARYLESS, HIGH AVAILABILITY M..N WORKING CONFIGURATION MANAGEMENT WITH SUPPLEMENTAL RESOURCE**

[54] **PROCEDES, SYSTEMES ET APPAREIL CONCUS POUR FACILITER DE MANIERE DYNAMIQUE UNE GESTION D'UNE CONFIGURATION DE TRAVAIL M:N SANS LIMITE ET A FORTE DISPONIBILITE AVEC UNE RESSOURCE SUPPLEMENTAIRE**

[72] MACHA, RAJA RAMANA, US

[72] KLING, ANDREW LEE DAVID, US

[72] MIDDELDORP, FRANS, NL

[72] CAMINO, NESTOR JESUS, JR., US

[72] LUTH, JAMES GERARD, US

[72] MCINTYRE, JAMES P., US

[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US

[85] 2018-12-20

[86] 2017-06-23 (PCT/US2017/039145)

[87] (WO2017/223537)

[30] US (62/354,669) 2016-06-24

[21] **3,029,025**
[13] A1

[51] **Int.Cl. E04G 21/32 (2006.01) E02D 17/06 (2006.01) E02D 17/08 (2006.01) E02D 29/00 (2006.01) E02D 29/02 (2006.01) E02D 29/045 (2006.01)**

[25] EN

[54] **BELL HOLE BOX**

[54] **BOITE A CLOCHE**

[72] BURLESON, MICHAEL TODD, US

[71] QUANTA ASSOCIATES, L.P., US

[85] 2018-12-20

[86] 2017-06-30 (PCT/US2017/040439)

[87] (WO2018/006047)

[30] US (62/356,700) 2016-06-30

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[21] **3,029,026**
[13] A1

[51] **Int.Cl. H04N 21/262 (2011.01) H04N 21/2343 (2011.01) H04N 21/845 (2011.01) H04N 21/858 (2011.01)**

[25] EN

[54] **RETRIEVING AND ACCESSING SEGMENT CHUNKS FOR MEDIA STREAMING**

[54] **RECUPERATION ET ACCES A DES BLOCS DE SEGMENTS POUR LA DIFFUSION EN CONTINU DE DONNEES MULTIMEDIAS**

[72] STOCKHAMMER, THOMAS, US

[71] QUALCOMM INCORPORATED, US

[85] 2018-12-20

[86] 2017-07-28 (PCT/US2017/044353)

[87] (WO2018/022984)

[30] US (62/368,099) 2016-07-28

[30] US (15/661,789) 2017-07-27

[21] **3,029,030**
[13] A1

[51] **Int.Cl. B64C 9/16 (2006.01) B64C 9/02 (2006.01)**

[25] EN

[54] **ASSEMBLIES AND METHODS FOR DEPLOYING A TRAILING EDGE FLAP OF AN AIRCRAFT**

[54] **ENSEMBLES ET PROCEDES DE DEPLOIEMENT D'UN VOILET DE BORD DE FUITE D'UN AERONEF**

[72] BUDNITSKY, DMITRY, CA

[72] SMITH, HOWARD IAN, CA

[72] HANSON, THOMAS, US

[71] BOMBARDIER INC., CA

[85] 2018-12-20

[86] 2017-06-27 (PCT/US2017/039557)

[87] (WO2018/005534)

[30] US (62/356,930) 2016-06-30

[21] **3,029,032**
[13] A1

[51] **Int.Cl. C07D 303/46 (2006.01)**

[25] EN

[54] **CRYSTALLINE SALTS OF PEPTIDE EPOXYKETONE IMMUNOPROTEASOME INHIBITOR**

[54] **SELS CRISTALLINS D'UN INHIBITEUR PEPTIDE D'IMMUNOPROTEASOME EPOXYCETONE**

[72] JOHNSON, HENRY, US

[72] LEWIS, EVAN, US

[72] DALZIEL, SEAN, US

[72] MCMINN, DUSTIN, US

[71] KEZAR LIFE SCIENCES, US

[85] 2018-12-20

[86] 2017-06-29 (PCT/US2017/039961)

[87] (WO2018/005772)

[30] US (62/356,287) 2016-06-29

[21] **3,029,027**
[13] A1

[51] **Int.Cl. H04B 1/10 (2006.01) H04B 1/7103 (2011.01) H04B 1/7107 (2011.01) H04B 17/345 (2015.01) H04B 7/185 (2006.01) H04L 27/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SIGNAL CANCELLATION IN SATELLITE COMMUNICATION**

[54] **SYSTEMES ET PROCEDES D'ANNULATION DE SIGNAUX DANS UNE COMMUNICATION PAR SATELLITE**

[72] POTTER, ROBERT, US

[72] DAUGHTRIDGE, STUART, US

[71] KRATOS INTEGRAL HOLDINGS, LLC, US

[85] 2018-12-20

[86] 2017-07-14 (PCT/US2017/042132)

[87] (WO2018/013919)

[30] US (62/362,487) 2016-07-14

[30] US (15/649,408) 2017-07-13

[21] **3,029,031**
[13] A1

[51] **Int.Cl. B41F 17/22 (2006.01) B41F 7/04 (2006.01) B41F 7/08 (2006.01) B41F 7/14 (2006.01) B41F 17/20 (2006.01) B41F 31/04 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ALIGNING AN INKER OF A DECORATOR**

[54] **SYSTEME ET PROCEDE PERMETTANT D'ALIGNER UN DISPOSITIF D'ENCRAGE D'UN DISPOSITIF DE DECORATION**

[72] EFNER, JOHN, US

[72] HEDBERG, KELLIE, US

[71] BALL CORPORATION, US

[85] 2018-12-20

[86] 2017-07-19 (PCT/US2017/042853)

[87] (WO2018/017712)

[30] US (62/364,728) 2016-07-20

[21] **3,029,059**
[13] A1

[51] **Int.Cl. H04W 24/02 (2009.01)**

[25] EN

[54] **SEMI-PERSISTENT MEASUREMENT REFERENCE SIGNAL (MRS) CONFIGURATION**

[54] **CONFIGURATION SEMI-PERSISTANTE DE SIGNAUX DE REFERENCE DE MESURE (MRS)**

[72] NAGARAJA, SUMEETH, US

[72] LUO, TAO, US

[72] AKKARAKARAN, SONY, US

[72] CHAKRABORTY, KAUSHIK, US

[72] JOHN WILSON, MAKESH PRAVIN, US

[71] QUALCOMM INCORPORATED, US

[85] 2018-12-20

[86] 2017-07-26 (PCT/US2017/043824)

[87] (WO2018/022677)

[30] US (62/368,106) 2016-07-28

[30] US (15/658,682) 2017-07-25

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[21] **3,029,060**
[13] A1

[51] **Int.Cl. B01D 63/06 (2006.01) B01D 65/00 (2006.01) B01D 69/10 (2006.01) B01D 69/12 (2006.01) B01D 71/02 (2006.01) C01B 3/50 (2006.01) F16L 55/054 (2006.01)**

[25] EN
[54] **MEMBRANE ARRANGEMENT**
[54] **ENSEMBLE A MEMBRANE**
[72] HAYDN, MARKUS, AT
[71] PLANSEE SE, DE
[85] 2018-12-21
[86] 2017-06-14 (PCT/AT2017/000048)
[87] (WO2017/219053)
[30] AT (GM 152/2016) 2016-06-22

[21] **3,029,061**
[13] A1

[51] **Int.Cl. G01N 27/327 (2006.01) C12Q 1/00 (2006.01) G01N 27/414 (2006.01)**

[25] EN
[54] **CHEMICAL SENSOR**
[54] **CAPTEUR CHIMIQUE**
[72] DASTOOR, PAUL, AU
[72] BELCHER, WARWICK, AU
[71] LIFE SCIENCE BIOSENSOR DIAGNOSTICS PTY LTD, AU
[85] 2018-12-21
[86] 2016-06-28 (PCT/AU2016/050555)
[87] (WO2018/000012)

[21] **3,029,063**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01)**

[25] EN
[54] **METHOD OF DETECTING LUNG CANCER**
[54] **METHODE DE DETECTION DU CANCER DU POUMON**
[72] BUX, RASHID, CA
[72] SITAR, DANIEL S., CA
[71] BIOMARK CANCER SYSTEMS INC., CA
[85] 2018-12-21
[86] 2016-06-27 (PCT/CA2016/050758)
[87] (WO2016/205960)
[30] US (62/185,213) 2015-06-26

[21] **3,029,064**
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01) A61K 38/17 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 31/12 (2006.01) C12N 9/24 (2006.01)**

[25] EN
[54] **MAMMALIAN GLUCOSIDASE INHIBITORS, METHODS FOR THEIR USE AND PHARMACEUTICAL COMPOSITIONS THEREOF**
[54] **INHIBITEURS DE LA GLUCOSIDASE DE MAMMIFERE, LEURS PROCEDES D'UTILISATION ET COMPOSITIONS PHARMACEUTIQUES ASSOCIEES**
[72] WITHERS, STEPHEN G., CA
[72] TARLING, ANDREW, CA
[72] ANDERSEN, RAYMOND J., CA
[72] BRAYER, GARY D., CA
[72] KEYZERS, ROBERT, CA
[72] TYSOE, CHRISTINA ROSE, CA
[72] WILLIAMS, LESLIE KAREN, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2018-12-21
[86] 2016-06-29 (PCT/CA2016/000183)
[87] (WO2017/000060)
[30] US (62/185,931) 2015-06-29
[30] US (62/332,600) 2016-05-06

[21] **3,029,065**
[13] A1

[51] **Int.Cl. G02B 6/122 (2006.01) G02F 1/35 (2006.01)**

[25] EN
[54] **PHOTONIC CRYSTAL FIBER METHODS AND DEVICES**
[54] **PROCEDES ET DISPOSITIFS SE RAPPORTANT AUX FIBRES A CRISTAL PHOTONIQUE**
[72] UNG, BORA, CA
[71] SOCOVAR SOCIETE EN COMMANDITE, CA
[85] 2018-12-21
[86] 2017-06-23 (PCT/CA2017/000157)
[87] (WO2017/219118)
[30] US (62/353,672) 2016-06-23

[21] **3,029,067**
[13] A1

[51] **Int.Cl. H01M 4/62 (2006.01) H01M 4/131 (2010.01) H01M 4/136 (2010.01) H01M 4/1391 (2010.01) H01M 4/1397 (2010.01) H01M 10/0525 (2010.01)**

[25] EN
[54] **ELECTRODE MATERIALS AND PROCESSES FOR THEIR PREPARATION**
[54] **MATERIAUX D'ELECTRODE ET LEURS PROCEDES DE PREPARATION**
[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] ASAKAWA, YUICHIRO, JP
[72] UESAKA, SHINICHI, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[71] SONY CORPORATION, JP
[85] 2018-12-21
[86] 2017-06-30 (PCT/CA2017/050801)
[87] (WO2018/000101)
[30] US (62/356,952) 2016-06-30
[30] US (62/436,718) 2016-12-20

[21] **3,029,068**
[13] A1

[51] **Int.Cl. C08K 3/28 (2006.01) C08K 3/38 (2006.01) C08L 33/24 (2006.01)**

[25] EN
[54] **GAS PHASE COATING OF BORON NITRIDE NANOTUBES WITH POLYMERS**
[54] **REVETEMENT EN PHASE GAZEUSE DE NANOTUBES DE NITRURE DE BORE PAR DES POLYMERES**
[72] DUSHATINSKI, THOMAS G., US
[72] PEDRAZZOLI, DIEGO, US
[72] WHITNEY, R., ROY, US
[71] BNNT, LLC, US
[85] 2018-12-20
[86] 2017-07-20 (PCT/US2017/043140)
[87] (WO2018/017870)
[30] US (62/364,490) 2016-07-20
[30] US (62/427,506) 2016-11-29

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[21] **3,029,069**
[13] A1

[51] **Int.Cl. G07D 5/00 (2006.01) G06T 7/62 (2017.01)**

[25] EN

[54] **DETECTION OF SURFACE IRREGULARITIES IN COINS**

[54] **DETECTION D'IRREGULARITES DE SURFACE DANS DES PIECES DE MONNAIE**

[72] LEVESQUE, SERGE, CA

[71] ULTRA ELECTRONICS FORENSIC TECHNOLOGY INC., CA

[85] 2018-12-21

[86] 2017-06-22 (PCT/CA2017/050760)

[87] (WO2017/219141)

[30] US (62/353,756) 2016-06-23

[21] **3,029,070**
[13] A1

[51] **Int.Cl. F25B 25/02 (2006.01) B60H 1/32 (2006.01) F25B 6/02 (2006.01) F25B 27/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR HYBRID POWER TRAILER REFRIGERATION**

[54] **PROCEDE ET APPAREIL DE REFRIGERATION DE REMORQUE A ENERGIE HYBRIDE**

[72] MACDONNELL, JACK W., CA

[72] STANNARD, JOHN, CA

[72] KENNEY, JULIAN, CA

[72] TAHERI, MEHRDAD, CA

[71] ENERMOTION INC., CA

[85] 2018-12-21

[86] 2017-06-21 (PCT/CA2017/050759)

[87] (WO2017/219140)

[30] US (62/353,370) 2016-06-22

[21] **3,029,071**
[13] A1

[51] **Int.Cl. F04D 29/32 (2006.01) B64C 11/14 (2006.01) F01D 5/06 (2006.01) F01D 5/22 (2006.01) F01D 11/00 (2006.01) F01D 21/04 (2006.01) F02C 7/04 (2006.01) F04D 29/02 (2006.01)**

[25] FR

[54] **PLASTICALLY DEFORMABLE ANNULAR SHROUD FOR THE HUB OF A BLADED WHEEL OF A GAS TURBINE**

[54] **ANNEAU DE CARENAGE DE MOYEU DE ROUE A AUBES DE TURBINE A GAZ, LEDIT ANNEAU ETANT PLASTIQUEMENT DEFORMABLE**

[72] DE GAILLARD, THOMAS ALAIN, FR

[72] BOISSON, ALEXANDRE BERNARD MARIE, FR

[72] FIGEUREU, CLAIRE MARIE, FR

[71] SAFRAN AIRCRAFT ENGINES, FR

[85] 2018-12-21

[86] 2017-06-22 (PCT/FR2017/051662)

[87] (WO2017/220940)

[30] FR (1655799) 2016-06-22

[21] **3,029,072**
[13] A1

[51] **Int.Cl. C12M 1/00 (2006.01) C12M 3/06 (2006.01) F16K 7/06 (2006.01)**

[25] FR

[54] **CASSETTE AND AUTOMATON FOR CELL CULTURE**

[54] **CASSETTE ET AUTOMATE DE CULTURE CELLULAIRE**

[72] VALAT, CHRISTOPHE, FR

[72] HENON, PHILIPPE, FR

[72] SAUCOURT, CLAIRE, FR

[72] WEIL, RAOUL, FR

[72] SERRE, JEROME, FR

[72] MARECHAL, CYRILLE, FR

[71] CELLPROTHERA, FR

[85] 2018-12-21

[86] 2017-06-26 (PCT/FR2017/051703)

[87] (WO2017/220948)

[30] FR (1655922) 2016-06-24

[21] **3,029,073**
[13] A1

[51] **Int.Cl. C07C 67/03 (2006.01) C07C 69/52 (2006.01) C10L 1/02 (2006.01) C11C 3/04 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING FATTY ACID ESTERS AND GLYCEROL AT A LOW TEMPERATURE**

[54] **PROCEDE DE PRODUCTION D'ESTERS D'ACIDES GRAS ET DE GLYCEROL A BASSE TEMPERATURE**

[72] LACOSTE, FRANCOIS, FR

[72] THIEL, JULIEN, FR

[72] LAIR, VALENTIN, FR

[72] HALLOUMI, SAMY, FR

[71] EASYL, FR

[85] 2018-12-21

[86] 2017-06-30 (PCT/FR2017/051778)

[87] (WO2018/002559)

[30] FR (1656335) 2016-07-01

Demandes PCT entrant en phase nationale

[21] 3,029,074 [13] A1	[21] 3,029,076 [13] A1	[21] 3,029,078 [13] A1
<p>[51] Int.Cl. A61K 31/616 (2006.01) A61K 31/155 (2006.01) A61K 31/215 (2006.01) A61K 31/635 (2006.01) A61K 31/7068 (2006.01) A61K 33/42 (2006.01) A61K 39/395 (2006.01) A61K 41/00 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07C 69/145 (2006.01) C07C 233/41 (2006.01) C07C 279/26 (2006.01) C07D 231/12 (2006.01) C07H 15/252 (2006.01) C07H 19/06 (2006.01) C07K 16/24 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS FOR CANCER TREATMENT</p> <p>[54] TRAITEMENT DU CANCER ET INHIBITION DES METASTASES UTILISANT UN AGENT ANTI-CELLULES SOUCHES CANCEREUSES EN COMBINAISON AVEC UN INHIBITEUR DE LA SIALIDASE (NEUL) OU UN INHIBITEUR DELA CYTOKINE APRES UN TRAITEMENT DU CANCER PRIMAIRE</p> <p>[72] HARLESS, WILLIAM WARREN, CA [72] SZEWCZUK, MYRON, CA [71] HARLESS, WILLIAM WARREN, CA [71] SZEWCZUK, MYRON, CA [85] 2018-12-21 [86] 2017-06-22 (PCT/CA2017/050768) [87] (WO2018/014111) [30] US (62/353,340) 2016-06-22</p>	<p>[51] Int.Cl. A61K 38/19 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01) C07K 14/52 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD TO IMPROVE THE EFFECTIVENESS OF ANTI-CANCER THERAPIES BY EXPOSING CANCER CELLS TO AN INFLAMMATORY STIMULUS PRIOR TO TREATMENT</p> <p>[54] PROCEDE POUR AMELIORER L'EFFICACITE DE TRAITEMENTS ANTICANCEREUX PAR EXPOSITION DES CELLULES CANCEREUSES A UN STIMULUS INFLAMMATOIRE AVANT LE TRAITEMENT</p> <p>[72] HARLESS, WILLIAM WARREN, CA [72] SZEWCZUK, MYRON, CA [71] HARLESS, WILLIAM WARREN, CA [71] SZEWCZUK, MYRON, CA [85] 2018-12-21 [86] 2017-06-22 (PCT/CA2017/050765) [87] (WO2017/219146) [30] US (62/353,446) 2016-06-22 [30] US (62/464,199) 2017-02-27</p>	<p>[51] Int.Cl. A61C 17/22 (2006.01)</p> <p>[25] EN</p> <p>[54] FIXING STRUCTURE FOR USE IN DRIVER APPARATUS OF ELECTRIC CLEANING APPLIANCE</p> <p>[54] STRUCTURE DE FIXATION DESTINEE A ETRE UTILISEE DANS UNE COMMANDE D'UN APPAREIL DE NETTOYAGE ELECTRIQUE</p> <p>[72] DAI, XIAOGUO, CN [72] XU, ZHENWU, CN [71] SHANGHAI SHIFT ELECTRICS CO.,LTD., CN [85] 2018-12-21 [86] 2016-07-07 (PCT/CN2016/089090) [87] (WO2018/000448) [30] CN (201610510313.0) 2016-06-30</p>
[21] 3,029,075 [13] A1	[21] 3,029,077 [13] A1	[21] 3,029,079 [13] A1
<p>[51] Int.Cl. A61K 38/36 (2006.01) A61P 7/00 (2006.01)</p> <p>[25] FR</p> <p>[54] STABLE LIQUID FIBRINOGEN</p> <p>[54] FIBRINOGENE LIQUIDE STABLE</p> <p>[72] BATAILLE, DAMIEN, FR [72] TELLIER, MICHEL, FR [71] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR [85] 2018-12-21 [86] 2017-07-06 (PCT/FR2017/051852) [87] (WO2018/007767) [30] FR (16 56479) 2016-07-06 [30] EP (16305984.3) 2016-07-28 [30] EP (16305985.0) 2016-07-28</p>	<p>[51] Int.Cl. G02B 6/46 (2006.01) C09J 5/00 (2006.01) G01D 11/00 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHOD FOR ADHERING A FILAMENT TO A SURFACE</p> <p>[54] APPAREIL ET PROCEDE POUR FAIRE ADHERER UN FILAMENT A UNE SURFACE</p> <p>[72] GAUDET, MICHEL, CA [72] YETISIR, METIN, CA [72] LI, WENHAI, CA [71] ATOMIC ENERGY OF CANADA LIMITED/ENERGIE ATOMIQUE DU CANADA LIMITEE, CA [85] 2018-12-21 [86] 2017-07-06 (PCT/CA2017/050815) [87] (WO2018/006173) [30] US (62/359,472) 2016-07-07</p>	<p>[51] Int.Cl. B60C 11/03 (2006.01) A63C 17/08 (2006.01)</p> <p>[25] EN</p> <p>[54] SINGLE WHEEL SELF-BALANCING VEHICLE WITH TIRE PERMITTING CARVING MOTION</p> <p>[54] VEHICULE A AUTO-EQUILIBRAGE A ROUE UNIQUE AVEC PNEU PERMETTANT UN MOUVEMENT DE VIRAGE COUPE</p> <p>[72] ONDY SONG QI, MA, CN [71] KOOFY INNOVATION LIMITED, CN [85] 2018-12-21 [86] 2017-06-26 (PCT/CN2017/090041) [87] (WO2017/220035) [30] US (62/354,654) 2016-06-24</p>

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[21] **3,029,080**
[13] A1

[51] **Int.Cl. A01N 57/20 (2006.01) A01N 43/56 (2006.01) A01P 13/00 (2006.01) C07D 231/18 (2006.01) C07D 231/20 (2006.01)**

[25] EN

[54] **COMPOUNDED HERBICIDAL COMPOSITION CONTAINING SHUANGZUOCAOTONG AND METHOD OF USING THE SAME**

[54] **COMPOSITION DE DESHERBAGE COMPOSEE COMPORTANT DU DIARFENTRAZONE-ETHYLE, ET SON PROCEDE D'UTILISATION**

[72] PENG, XUEGANG, CN

[72] JIN, TAO, CN

[72] ZHANG, JINGYUAN, CN

[71] QINGDAO KINGAGROOT RESISTANT WEED MANAGEMENT CO., LTD., CN

[85] 2018-12-21

[86] 2017-05-18 (PCT/CN2017/084916)

[87] (WO2017/219805)

[30] CN (201610452583.0) 2016-06-21

[21] **3,029,081**
[13] A1

[51] **Int.Cl. B25J 19/00 (2006.01) B25J 9/04 (2006.01)**

[25] EN

[54] **HANDLING SYSTEM**

[54] **SYSTEME DE MANIPULATION**

[72] DEISTER, VIKTOR, DE

[71] EISELE PNEUMATICS GMBH & CO. KG, DE

[85] 2018-12-21

[86] 2017-06-19 (PCT/EP2017/000706)

[87] (WO2018/001548)

[30] DE (10 2016 008 112.0) 2016-06-28

[21] **3,029,082**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**

[25] EN

[54] **RESOURCE PROCESSING METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE RESSOURCES**

[72] ZHUANG, LI, CN

[71] ALIBABA GROUP HOLDING LIMITED, KY

[85] 2018-12-21

[86] 2017-06-09 (PCT/CN2017/087657)

[87] (WO2017/219874)

[30] CN (201610461033.5) 2016-06-22

[21] **3,029,083**
[13] A1

[51] **Int.Cl. F16L 39/00 (2006.01) F16L 25/01 (2006.01) H01R 13/502 (2006.01) H01R 13/62 (2006.01) H01R 13/629 (2006.01)**

[25] EN

[54] **COUPLING DEVICE**

[54] **DISPOSITIF D'ACCOUPLEMENT**

[72] NOTHDURFT, ANDREAS, DE

[71] EISELE PNEUMATICS GMBH & CO. KG, DE

[85] 2018-12-21

[86] 2017-06-27 (PCT/EP2017/000761)

[87] (WO2018/001559)

[30] DE (10 2016 007 880.4) 2016-06-28

[21] **3,029,084**
[13] A1

[51] **Int.Cl. H04W 12/00 (2009.01)**

[25] EN

[54] **ACCESS CONTROL IN COMMUNICATIONS NETWORK COMPRISING SLICES**

[54] **CONTROLE D'ACCES DANS UN RESEAU DE COMMUNICATIONS EN TRANCHES**

[72] DJORDJEVIC, BRANKO, DE

[72] HEDMAN, PETER, SE

[72] KELLER, RALF, DE

[72] SANDER, ANN-CHRISTINE, SE

[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2018-12-21

[86] 2016-07-15 (PCT/EP2016/066904)

[87] (WO2018/010812)

[21] **3,029,085**
[13] A1

[51] **Int.Cl. A01B 49/00 (2006.01) A01B 35/20 (2006.01) A01B 39/12 (2006.01) A01B 39/20 (2006.01)**

[25] EN

[54] **RETROFIT FOR FARM EQUIPMENT**

[54] **RENOVATION POUR EQUIPEMENT AGRICOLE**

[72] SIMON, STEVE N. G., CA

[71] SIMON, STEVE N. G., CA

[85] 2018-12-21

[86] 2017-06-27 (PCT/CA2017/050780)

[87] (WO2018/000090)

[30] US (62/355,080) 2016-06-27

[21] **3,029,086**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/395 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **CHIRAL HETEROCYCLIC COMPOUND WITH HEDGEHOG PATHWAY ANTAGONIST ACTIVITY, METHOD AND USE THEREOF**

[54] **COMPOSE HETEROCYCLIQUE CHIRAL AYANT UNE ACTIVITE ANTAGONISTE DE LA VOIE HEDGEHOG, SON PROCEDE ET SON UTILISATION**

[72] ZHANG, XIAOHU, CN

[71] SUZHOU KINTOR PHARMACEUTICALS, INC., CN

[85] 2018-12-21

[86] 2017-06-30 (PCT/CN2017/091130)

[87] (WO2018/006756)

[30] CN (201610511917.7) 2016-07-04

[21] **3,029,087**
[13] A1

[51] **Int.Cl. C09K 8/532 (2006.01)**

[25] EN

[54] **AMORPHOUS DITHIAZINE DISSOLUTION FORMULATION AND METHOD FOR USING THE SAME**

[54] **FORMULATION DE DISSOLUTION DE DITHIAZINE AMORPHE ET SON PROCEDE D'UTILISATION**

[72] WYLDE, JONATHAN, US

[72] OKOCHA, CYRIL EMEKA, US

[71] CLARIANT INTERNATIONAL LTD, CH

[85] 2018-12-21

[86] 2017-05-02 (PCT/EP2017/060406)

[87] (WO2018/001604)

[30] US (15/194,050) 2016-06-27

[30] EP (16179372.4) 2016-07-14

Demandes PCT entrant en phase nationale

[21] **3,029,088**
[13] A1

[51] **Int.Cl. C09D 183/10 (2006.01) C08F 283/12 (2006.01) C08G 77/442 (2006.01) C09J 183/10 (2006.01)**

[25] EN

[54] **PERMEATION INHIBITING SEPARATING COATING**

[54] **REVETEMENT DE SEPARATION INHIBANT LA PERMEATION**

[72] POMORIN, JURGEN, DE

[72] GRAUER, DIETER, DE

[72] DOHLER, HARDI, DE

[72] SCHONEMANN, INGO, DE

[72] BRAND, MIKE, DE

[71] EVONIK DEGUSSA GMBH, DE

[85] 2018-12-21

[86] 2017-06-07 (PCT/EP2017/063786)

[87] (WO2018/001687)

[30] EP (16176339.6) 2016-06-27

[21] **3,029,089**
[13] A1

[51] **Int.Cl. F24C 15/20 (2006.01)**

[25] EN

[54] **DEVICE FOR EXTRACTING COOKING VAPORS**

[54] **DISPOSITIF D'ASPIRATION DE VAPEURS DE CUISSON**

[72] KONNEKER, WALTER, DE

[72] BLERSCH, MARIO, DE

[71] BRUCKBAUER, WILHELM, DE

[85] 2018-12-21

[86] 2017-06-22 (PCT/EP2017/065344)

[87] (WO2017/220707)

[30] DE (10 2016 211 207.4) 2016-06-22

[21] **3,029,090**
[13] A1

[51] **Int.Cl. G02B 26/00 (2006.01) G01J 3/26 (2006.01)**

[25] EN

[54] **MODULATED FABRY-PEROT**

[54] **FABRY-PEROT MODULE**

[72] JOHANSEN, IB-RUNE, NO

[71] TUNABLE AS, NO

[85] 2018-12-21

[86] 2017-06-22 (PCT/EP2017/065364)

[87] (WO2018/001851)

[30] NO (20161086) 2016-06-29

[21] **3,029,091**
[13] A1

[51] **Int.Cl. B65D 81/32 (2006.01) A61J 1/20 (2006.01)**

[25] EN

[54] **MIXING VESSEL ADAPTABLE TO ANY RECEIVING VESSEL**

[54] **RECIPIENT DE MELANGE ADAPTABLE A TOUT RECIPIENT RECEPTEUR**

[72] BOULEZ, CORALIE, BE

[71] R&O LAB SPRL, BE

[85] 2018-12-21

[86] 2017-06-21 (PCT/EP2017/065258)

[87] (WO2018/001826)

[30] BE (2016/5487) 2016-06-28

[21] **3,029,092**
[13] A1

[51] **Int.Cl. A23K 10/00 (2016.01) A23K 10/20 (2016.01) A23K 10/30 (2016.01) A23K 40/25 (2016.01) A23K 50/40 (2016.01) A23K 50/42 (2016.01)**

[25] EN

[54] **METHOD FOR PRODUCING A PALATABLE CAT KIBBLE**

[54] **PROCEDE DE PRODUCTION D'UNE CROQUETTE POUR CHAT DE GOUT AGREABLE**

[72] GIROT, PIERRE-MARC, FR

[72] CREMONT, MATTHIEU, FR

[72] DE RATULD, AURELIE, FR

[72] BRAMOUSSE, LOIC, FR

[72] GUILLER, ISABELLE, FR

[71] SPECIALITES PET FOOD, FR

[85] 2018-12-21

[86] 2017-06-21 (PCT/EP2017/065273)

[87] (WO2017/220669)

[30] EP (16305759.9) 2016-06-22

[21] **3,029,093**
[13] A1

[51] **Int.Cl. H01C 7/02 (2006.01)**

[25] EN

[54] **ELECTRICALLY CONDUCTIVE SHAPED BODY WITH A POSITIVE TEMPERATURE COEFFICIENT**

[54] **CORPS MOULE ELECTRIQUEMENT CONDUCTEUR A COEFFICIENT DE TEMPERATURE POSITIF**

[72] HEINEMANN, KLAUS, DE

[72] BAUER, RALF-UWE, DE

[72] WELZEL, THOMAS, DE

[72] SCHRODNER, MARIO, DE

[72] SCHUBERT, FRANK, DE

[72] RIEDE, SABINE, DE

[71] THUERINGISCHES INSTITUT FUER TEXTIL- UND KUNSTSTOFF-FORSCHUNG E.V., DE

[85] 2018-12-21

[86] 2017-06-22 (PCT/EP2017/065461)

[87] (WO2017/220747)

[30] DE (10 2016 111 433.2) 2016-06-22

[21] **3,029,094**
[13] A1

[51] **Int.Cl. B01J 19/18 (2006.01) C08H 8/00 (2010.01) B01J 19/20 (2006.01) C08B 3/06 (2006.01) F26B 11/04 (2006.01) F26B 15/10 (2006.01)**

[25] EN

[54] **COOLING ACETYLATED WOOD ELEMENTS**

[54] **REFROIDISSEMENT D'ELEMENTS DE BOIS ACETYLES**

[72] KAPPEN, THEODORUS GERARDUS MARINUS MARIA, GB

[72] BENSTEAD, STEPHEN JOHN, GB

[71] TRICOYA TECHNOLOGIES LTD, GB

[85] 2018-12-21

[86] 2017-06-23 (PCT/EP2017/065520)

[87] (WO2017/220772)

[30] EP (16175947.7) 2016-06-23

PCT Applications Entering the National Phase

[21] **3,029,095**
[13] A1

[51] **Int.Cl. A01D 44/00 (2006.01)**
[25] FR
[54] **METHOD AND UNIT FOR HARVESTING AND PROCESSING WATER HYACINTHS**
[54] **PROCEDE ET UNITE DE RECOLTE ET DE TRAITEMENT DES JACINTHES D'EAU**
[72] BAHADORANI, REBEKA, BE
[72] BONO, PIERRE, FR
[71] IN-BETWEEN SA, BE
[85] 2018-12-21
[86] 2017-06-08 (PCT/EP2017/063923)
[87] (WO2018/007090)
[30] FR (16 56535) 2016-07-07

[21] **3,029,096**
[13] A1

[51] **Int.Cl. A47L 13/255 (2006.01) A47L 13/44 (2006.01)**
[25] EN
[54] **MOP HEAD AND MOP**
[54] **TETE DE BALAI A FRANGES ET BALAI A FRANGES**
[72] THYSON, DIANA, DE
[72] MORENO DEL RIO, ANTONIO, ES
[71] CARL FREUDENBERG KG, DE
[85] 2018-12-21
[86] 2017-06-13 (PCT/EP2017/064387)
[87] (WO2017/220376)
[30] DE (10 2016 007 543.0) 2016-06-22

[21] **3,029,097**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4365 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **N-(SUBSTITUTED-PHENYL)-SULFONAMIDE DERIVATIVES AS KINASE INHIBITORS**
[54] **DERIVES DE N-(PHENYL SUBSTITUE)-SULFONAMIDE EN TANT QU'INHIBITEURS DE KINASE**
[72] BINDI, SIMONA, IT
[72] CARENZI, DAVIDE, IT
[72] MOTTO, ILARIA, IT
[72] PULICI, MAURIZIO, IT
[71] NERVIANO MEDICAL SCIENCES S.R.L., IT
[85] 2018-12-21
[86] 2017-06-19 (PCT/EP2017/064904)
[87] (WO2017/220477)
[30] EP (16175386.8) 2016-06-21

[21] **3,029,098**
[13] A1

[51] **Int.Cl. E04B 2/82 (2006.01)**
[25] EN
[54] **MOVABLE WALL ELEMENT AND MOVABLE WALL SYSTEM**
[54] **ELEMENT DE PAROI MOBILE ET SYSTEME DE PAROI MOBILE**
[72] TIMENES, ATLE, NO
[71] WHEEL.ME AS, NO
[85] 2018-12-21
[86] 2017-06-21 (PCT/EP2017/065168)
[87] (WO2017/220628)
[30] EP (16175775.2) 2016-06-22

[21] **3,029,099**
[13] A1

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

[21] **3,029,100**
[13] A1

[51] **Int.Cl. H01M 4/139 (2010.01) B01J 6/00 (2006.01) H01M 4/62 (2006.01) C09C 3/06 (2006.01) C09C 3/10 (2006.01)**
[25] EN
[54] **CARBON-COATED ACTIVE PARTICLES AND PROCESSES FOR THEIR PREPARATION**
[54] **PARTICULES ACTIVES REVETUES DE CARBONE ET PROCEDES POUR LEUR PREPARATION**
[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] ASAKAWA, YUICHIRO, CA
[72] UESAKA, SHINICHI, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[71] SONY CORPORATION, JP
[85] 2018-12-21
[86] 2017-06-30 (PCT/CA2017/050797)
[87] (WO2018/000099)
[30] US (15/199,313) 2016-06-30

[21] **3,029,101**
[13] A1

[51] **Int.Cl. E04G 5/04 (2006.01) B66C 1/66 (2006.01) F16B 41/00 (2006.01) F16B 45/00 (2006.01)**
[25] EN
[54] **SECURING ELEMENT AND SECURING ASSEMBLY WITH SAME**
[54] **ELEMENT D'ANCRAGE ET ENSEMBLE D'ANCRAGE LE COMPRENANT**
[72] CASAS ALVAREZ, JUAN, ES
[71] CASAS ALVAREZ, JUAN, ES
[85] 2018-12-21
[86] 2017-06-20 (PCT/ES2017/070446)
[87] (WO2017/220837)
[30] ES (P201630833) 2016-06-20

[21] **3,029,102**
[13] A1

[51] **Int.Cl. B32B 9/06 (2006.01) B32B 15/12 (2006.01) B32B 15/20 (2006.01) B32B 27/10 (2006.01) B32B 27/30 (2006.01) B32B 29/00 (2006.01)**
[25] EN
[54] **A METHOD OF PRODUCING A PACKAGING MATERIAL FOR A RETORTABLE PACKAGE**
[54] **PROCEDE DE PRODUCTION DE MATERIAU D'EMBALLAGE SERVANT A UN EMBALLAGE STERILISABLE**
[72] LINDSTEDT, MIKAEL, SE
[72] LARSSON, JOHAN, SE
[72] TUFVESSON, HELENA, SE
[72] KARLSSON, ANDERS, SE
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2018-12-21
[86] 2017-06-21 (PCT/EP2017/065254)
[87] (WO2017/220662)
[30] EP (16175961.8) 2016-06-23

Demandes PCT entrant en phase nationale

[21] **3,029,103**
[13] A1

[51] **Int.Cl. A22C 25/16 (2006.01) B65G 23/08 (2006.01)**

[25] EN

[54] **DEVICE FOR REMOVING PIN BONES FROM FISH FILLETS**

[54] **DISPOSITIF POUR OTER LES ARETES DE LA LIGNE LATERALE DE FILETS DE POISSON**

[72] RUSKO, TORSTEN, DE

[72] BARSCH, THOMAS, DE

[72] VAHAB, ALI, SE

[71] NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO.KG, DE

[85] 2018-12-21

[86] 2017-06-06 (PCT/EP2017/063717)

[87] (WO2018/001684)

[30] EP (16177145.6) 2016-06-30

[21] **3,029,104**
[13] A1

[51] **Int.Cl. C07D 405/12 (2006.01) A01N 43/707 (2006.01) C07D 249/14 (2006.01)**

[25] EN

[54] **3-AMINO-1,2,4-TRIAZINE DERIVATIVES AND THEIR USE FOR CONTROLLING UNDESIREED PLANT GROWTH**

[54] **DERIVES DE 3-AMINO-1,2,4-TRIAZINE ET LEUR UTILISATION POUR LUTTER CONTRE LA CROISSANCE DE PLANTES ADVENTICES**

[72] JAKOBI, HARALD, DE

[72] MINN, KLEMENS, DE

[72] BUSCATO ARSEQUELL, ESTELLA, DE

[72] DIETRICH, HANSJORG, DE

[72] GATZWEILER, ELMAR, DE

[72] ROSINGER, CHRISTOPHER HUGH, DE

[72] MACHETTIRA, ANU BHEEMAI AH, DE

[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE

[85] 2018-12-21

[86] 2017-06-19 (PCT/EP2017/064889)

[87] (WO2017/220467)

[30] EP (16176110.1) 2016-06-24

[21] **3,029,106**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) C07K 14/47 (2006.01) C12N 15/62 (2006.01)**

[25] EN

[54] **COMPLEMENT INHIBITORS AND USES THEREOF**

[54] **LES INHIBITEURS DE COMPLEMENT ET LEURS APPLICATIONS.**

[72] SCHMIDT, CHRISTOPH, DE

[72] SCHREZENMEIER, HUBERT, DE

[72] ANLIKER, MARKUS, DE

[72] HOCHSMANN, BRITTA, DE

[71] UNIVERSITAT ULM, DE

[85] 2018-12-21

[86] 2017-06-28 (PCT/EP2017/065979)

[87] (WO2018/002131)

[30] EP (16176739.7) 2016-06-28

[21] **3,029,107**
[13] A1

[51] **Int.Cl. C07C 1/20 (2006.01) C07C 7/04 (2006.01) C07C 7/08 (2006.01) C07C 11/167 (2006.01)**

[25] FR

[54] **METHOD FOR THE PRODUCTION OF BUTADIENE FROM ETHANOL, COMPRISING THE PURIFICATION OF A BUTADIENE-RICH EFFLUENT BY MEANS OF EXTRACTIVE DISTILLATION**

[54] **PROCEDE DE PRODUCTION DE BUTADIENE A PARTIR D'ETHANOL COMPRENANT UNE PURIFICATION D'UN EFFLUENT RICHE EN BUTADIENE PAR DISTILLATION EXTRACTIVE**

[72] COUDERC, SOPHIE, FR

[72] DASTILLUNG, REJANE, FR

[72] THINON, OLIVIER, FR

[71] IFP ENERGIES NOUVELLES, FR

[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR

[85] 2018-12-21

[86] 2017-06-26 (PCT/EP2017/065741)

[87] (WO2018/001981)

[30] FR (1656050) 2016-06-29

[21] **3,029,108**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) C12N 7/00 (2006.01)**

[25] EN

[54] **DUCK ENTERITIS VIRUS AND THE USES THEREOF**

[54] **UTILISATIONS DU VIRUS DE L'ENTERITE DU CANARD**

[72] YUKARI, SAEKI, JP

[71] CEVA SANTE ANIMALE, FR

[85] 2018-12-21

[86] 2017-06-28 (PCT/EP2017/065987)

[87] (WO2018/002133)

[30] EP (16176834.6) 2016-06-29

[21] **3,029,109**
[13] A1

[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/453 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61P 25/28 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 473/00 (2006.01) C07D 487/04 (2006.01) C07D 487/10 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **BENZODIOXANE DERIVATIVES AND THEIR PHARMACEUTICAL USE**

[54] **DERIVES DE BENZODIOXANE ET LEUR UTILISATION PHARMACEUTIQUE**

[72] HAIKARAINEN, ANSSI, FI

[72] KUMPULAINEN, ESA, FI

[72] POHJAKALLIO, ANTTI, FI

[72] PYSTYNEN, JARMO, FI

[72] WANG, SHOUMING, FI

[71] ORION CORPORATION, FI

[85] 2018-12-21

[86] 2017-06-28 (PCT/FI2017/050484)

[87] (WO2018/002437)

[30] FI (20165536) 2016-06-29

PCT Applications Entering the National Phase

[21] **3,029,110**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02B 6/10 (2006.01)**
[25] EN
[54] **LIGHT GUIDES WITH COATING TO BE USED IN WATER**
[54] **GUIDES DE LUMIERE COMPRENANT UN REVETEMENT DEVANT ETRE UTILISES DANS L'EAU**
[72] HIETBRINK, ROELANT BOUDEWIJN, NL
[72] SALTERS, BART ANDRE, NL
[72] DE WIJS, WILLEM-JAN AREND, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-12-21
[86] 2017-06-29 (PCT/EP2017/066103)
[87] (WO2018/002205)
[30] EP (16176774.4) 2016-06-29
[30] EP (17178199.0) 2017-06-27

[21] **3,029,111**
[13] A1

[51] **Int.Cl. B05C 11/10 (2006.01) B64F 5/45 (2017.01) B05C 5/02 (2006.01) B25J 9/18 (2006.01) B25J 19/04 (2006.01) F16J 15/14 (2006.01) G01B 11/14 (2006.01) G01N 21/95 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED ARTIFICIAL VISION GUIDED DISPENSING VISCOUS FLUIDS FOR CAULKING AND SEALING OPERATIONS**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE FLUIDES VISQUEUX AUTOMATISEE GUIDEE PAR VISION ARTIFICIELLE, DESTINES A DES OPERATIONS DE CALFATAGE ET D'ETANCHEIFICATION**
[72] SHANG, LIMIN, CA
[72] PHILIP, ADAM NEIL, CA
[72] JASIOBEDZKI, PIOTR, CA
[72] BARNET, MARK PATRICK, CA
[72] REEDMAN, TIMOTHY, CA
[71] MACDONALD, DETTWILER AND ASSOCIATES INC., CA
[85] 2018-12-21
[86] 2017-07-10 (PCT/CA2017/050836)
[87] (WO2018/006181)
[30] US (62/360,056) 2016-07-08

[21] **3,029,112**
[13] A1

[51] **Int.Cl. C07C 1/20 (2006.01) C07C 7/04 (2006.01) C07C 7/08 (2006.01) C07C 11/167 (2006.01)**
[25] FR
[54] **METHOD FOR THE PRODUCTION OF BUTADIENE FROM ETHANOL, INCORPORATING EXTRACTIVE DISTILLATION**
[54] **PROCEDE DE PRODUCTION DE BUTADIENE A PARTIR D'ETHANOL INTEGRE AVEC DISTILLATION EXTRACTIVE**
[72] DASTILLUNG, REJANE, FR
[72] COUDERC, SOPHIE, FR
[72] THINON, OLIVIER, FR
[71] IFP ENERGIES NOUVELLES, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2018-12-21
[86] 2017-06-26 (PCT/EP2017/065742)
[87] (WO2018/001982)
[30] FR (1656049) 2016-06-29

[21] **3,029,113**
[13] A1

[51] **Int.Cl. C12N 9/24 (2006.01)**
[25] EN
[54] **XYLANASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME**
[54] **VARIANTS DE XYLANASE ET POLYNUCLEOTIDES LES CODANT**
[72] DANIELSEN, STEFFEN, DK
[72] HANSEN, PETER KAMP, DK
[72] RASMUSSEN, FRANK WINTHER, DK
[72] PACHE, ROLAND ALEXANDER, DK
[71] NOVOZYMES A/S, DK
[85] 2018-12-21
[86] 2017-06-22 (PCT/EP2017/065336)
[87] (WO2018/007154)
[30] EP (16178681.9) 2016-07-08

[21] **3,029,114**
[13] A1

[51] **Int.Cl. C10L 5/44 (2006.01) C10L 9/08 (2006.01)**
[25] EN
[54] **METHOD OF CONVERTING BIOMASS**
[54] **PROCEDE DE CONVERSION DE BIOMASSE**
[72] VAHASALO, LARI, FI
[72] LAX, NICHOLAS, FI
[72] VON SCHOULTZ, SEBASTIAN, FI
[71] CH-BIOFORCE OY, FI
[85] 2018-12-21
[86] 2017-07-03 (PCT/FI2017/050499)
[87] (WO2018/002451)
[30] FI (20165558) 2016-07-01

[21] **3,029,115**
[13] A1

[51] **Int.Cl. C04B 28/04 (2006.01) C09D 1/06 (2006.01)**
[25] EN
[54] **PHOTOCATALYTIC COMPOSITIONS, AND USES THEREOF FOR OBTAINING WATER PAINTS**
[54] **COMPOSITIONS PHOTOCATALYTIQUES ET UTILISATIONS CORRESPONDANTES POUR OBTENIR DES PEINTURES A L'EAU**
[72] BERNARDONI, MASSIMO, GB
[72] CIANCI, ANTONIO, GB
[71] AM TECHNOLOGY LIMITED, GB
[85] 2018-12-21
[86] 2017-06-27 (PCT/GB2017/051872)
[87] (WO2018/002603)
[30] GB (1611117.1) 2016-06-27
[30] GB (1613189.8) 2016-07-29

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[21] **3,029,116**
[13] A1

[51] **Int.Cl. E21B 19/14 (2006.01) F16L 3/00 (2006.01) G08C 17/00 (2006.01) G08C 17/02 (2006.01) G08C 23/04 (2006.01)**

[25] EN

[54] **SENSOR FOR A FINGERBOARD LATCH ASSEMBLY**

[54] **CAPTEUR POUR ENSEMBLE DE VERROUILLAGE DE RATELIER A TIGES**

[72] FINLAY, ALAN PATRICK JOHN, GB

[72] NEWTON, JOHN MARK, GB

[72] LARKINS, ANDREW HENRY JOHN, GB

[72] DAVIS, MATHEW WILLIAM, GB

[72] NICHOLLS, GRANT, GB

[71] SALUNDA LIMITED, GB

[85] 2018-12-21

[86] 2017-07-04 (PCT/GB2017/051972)

[87] (WO2018/007804)

[30] GB (1611744.2) 2016-07-05

[30] GB (1615037.7) 2016-09-05

[30] GB (1618935.9) 2016-11-09

[30] GB (1618910.2) 2016-11-09

[30] GB (1700925.9) 2017-01-19

[30] GB (1701273.3) 2017-01-25

[30] GB (1703269.9) 2017-02-28

[30] GB (1705355.4) 2017-04-03

[21] **3,029,117**
[13] A1

[51] **Int.Cl. A21D 2/00 (2006.01) A21D 2/02 (2006.01) A21D 2/14 (2006.01)**

[25] EN

[54] **LEAVENING AGENT**

[54] **AGENT LEVANT**

[72] BROWN, DANIEL JAMES, GB

[71] KUDOS BLENDS LTD, GB

[85] 2018-12-21

[86] 2017-06-22 (PCT/GB2017/051831)

[87] (WO2017/221018)

[30] GB (1610976.1) 2016-06-23

[30] GB (1613385.2) 2016-08-03

[30] GB (1620894.4) 2016-12-08

[30] GB (1706373.6) 2017-04-21

[21] **3,029,118**
[13] A1

[51] **Int.Cl. F28D 7/02 (2006.01) C09K 5/06 (2006.01) F24H 7/04 (2006.01) F25B 13/00 (2006.01) F28D 20/00 (2006.01) F28D 20/02 (2006.01)**

[25] EN

[54] **PHASE CHANGE MATERIAL-BASED ENHANCEMENT FOR REVERSED-CYCLE DEFROSTING IN VAPOUR COMPRESSION REFRIGERATION SYSTEMS**

[54] **AMELIORATION BASEE SUR UN MATERIAU A CHANGEMENT DE PHASE POUR DEGIVRAGE A CYCLE INVERSE DANS DES SYSTEMES DE REFRIGERATION PAR COMPRESSION DE VAPEUR**

[72] BISSELL, ANDREW JOHN, GB

[72] ZAGLIO, MAURIZIO, GB

[71] SUNAMP LIMITED, GB

[85] 2018-12-21

[86] 2017-06-23 (PCT/GB2017/051845)

[87] (WO2017/221025)

[30] GB (1610977.9) 2016-06-23

[21] **3,029,119**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **MATERIALS AND METHODS FOR TREATMENT OF FRIEDREICH ATAXIA AND OTHER RELATED DISORDERS**

[54] **MATERIELS ET METHODES DE TRAITEMENT DE L'ATAXIE DE FRIEDREICH ET D'AUTRES TROUBLES ASSOCIES**

[72] LUNDBERG, ANTE SVEN, US

[72] KULKARNI, SAMARTH, US

[72] KLEIN, LAWRENCE, US

[72] PADMANABHAN, HARI KUMAR, US

[71] CRISPR THERAPEUTICS AG, CH

[85] 2018-12-21

[86] 2017-06-22 (PCT/IB2017/053742)

[87] (WO2018/002783)

[30] US (62/355,930) 2016-06-29

[30] US (62/461,821) 2017-02-22

[21] **3,029,120**
[13] A1

[51] **Int.Cl. C09K 5/10 (2006.01)**

[25] EN

[54] **AUTOMOTIVE ENGINE COOLANT COMPOSITION, AUTOMOTIVE ENGINE CONCENTRATED COOLANT COMPOSITION, AND METHOD OF OPERATING INTERNAL COMBUSTION ENGINE**

[54] **COMPOSITION DE LIQUIDE DE REFROIDISSEMENT DE MOTEUR AUTOMOBILE, COMPOSITION DE LIQUIDE DE REFROIDISSEMENT CONCENTREE DE MOTEUR AUTOMOBILE ET PROCEDE DE FONCTIONNEMENT DE MOTEUR ACOMBUSTION INTERNE**

[72] KODAMA, YASUAKI, JP

[72] NAKANO, TOMOYUKI, JP

[72] SAKURAI, TAKATO, JP

[72] YAEDA, KAZUHITO, JP

[72] YOSHII, YOICHIRO, JP

[72] KISHINO, YOSUKE, JP

[72] NAGASAWA, MASAYUKI, JP

[72] KAMENOUE, SHOGO, JP

[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[85] 2018-12-21

[86] 2017-06-20 (PCT/IB2017/000760)

[87] (WO2017/221061)

[30] JP (2016-126060) 2016-06-24

[21] **3,029,121**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR GENE EDITING**

[54] **COMPOSITIONS ET METHODES POUR L'EDITION GENOMIQUE**

[72] LUNDBERG, ANTE SVEN, US

[72] KULKARNI, SAMARTH, US

[72] KLEIN, LAWRENCE, US

[72] PADMANABHAN, HARI KUMAR, US

[71] CRISPR THERAPEUTICS AG, CH

[85] 2018-12-21

[86] 2017-06-29 (PCT/IB2017/000953)

[87] (WO2018/002719)

[30] US (62/355,907) 2016-06-29

[30] US (62/461,831) 2017-02-22

PCT Applications Entering the National Phase

[21] **3,029,122**
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01) H04L 12/707 (2013.01) H04L 12/875 (2013.01)**

[25] EN

[54] **SYSTEMS, APPARATUS AND METHODS FOR NETWORK PACKET MANAGEMENT**

[54] **SYSTEMES, APPAREILS ET PROCEDES DE GESTION DE PAQUETS DE RESEAU**

[72] IGNATCHENKO, SERGEY, LI

[71] OLOGN TECHNOLOGIES AG, LI

[85] 2018-12-21

[86] 2017-07-03 (PCT/IB2017/000972)

[87] (WO2018/007870)

[30] US (62/358,341) 2016-07-05

[30] US (62/376,073) 2016-08-17

[30] US (62/421,193) 2016-11-11

[30] US (62/526,116) 2017-06-28

[30] US (15/640,565) 2017-07-02

[21] **3,029,123**
[13] A1

[51] **Int.Cl. H04R 1/32 (2006.01)**

[25] EN

[54] **POSITIONAL AUDIO ASSIGNMENT SYSTEM**

[54] **SYSTEME D'ATTRIBUTION AUDIO DE POSITION**

[72] KILLHAM, JOSH, CA

[72] O'HEIR, JUSTIN, CA

[71] KILLHAM, JOSH, CA

[71] O'HEIR, JUSTIN, CA

[85] 2018-12-21

[86] 2017-06-23 (PCT/IB2017/053778)

[87] (WO2017/221216)

[30] US (62/353,810) 2016-06-23

[21] **3,029,124**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01)**

[25] EN

[54] **CROWDSOURCING AND DISTRIBUTING A SPARSE MAP, AND LANE MEASUREMENTS FOR AUTONOMOUS VEHICLE NAVIGATION**

[54] **EXTERNALISATION OUVERTE ET DISTRIBUTION D'UNE CARTE EPARSE, ET MESURES DE VOIE POUR LA NAVIGATION D'UN VEHICULE AUTONOME**

[72] FRIDMAN, OFER, IL

[72] BELLAICHE, LEVI ITZHAK, IL

[71] MOBILEYE VISION TECHNOLOGIES LTD., IL

[85] 2018-12-21

[86] 2017-07-21 (PCT/IB2017/001058)

[87] (WO2018/015811)

[30] US (62/365,188) 2016-07-21

[30] US (62/365,192) 2016-07-21

[30] US (62/373,153) 2016-08-10

[21] **3,029,125**
[13] A1

[51] **Int.Cl. B31D 5/00 (2017.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING A PADDING PRODUCT, AND PADDING PRODUCT**

[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN ARTICLE DE REMBOURRAGE, ET ARTICLE DE REMBOURRAGE**

[72] SLOVENCIK, JEAN-MARC, DE

[71] STOROPACK HANS REICHENECKER GMBH, DD

[85] 2018-12-21

[86] 2017-06-21 (PCT/EP2017/065316)

[87] (WO2018/024400)

[30] DE (10 2016 114 342.1) 2016-08-03

[21] **3,029,126**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/415 (2006.01)**

[25] EN

[54] **INCREASING PLANT GROWTH AND YIELD BY USING A THIOREDOXIN SEQUENCE**

[54] **AUGMENTATION DE LA CROISSANCE ET DU RENDEMENT DES PLANTES AU MOYEN D'UNE SEQUENCE DE THIOREDOXINE**

[72] GRAY, BENJAMIN NEIL, US

[72] PRIEST, HENRY D., US

[71] BENSON HILL BIOSYSTEMS, INC., US

[85] 2018-12-21

[86] 2017-06-28 (PCT/IB2017/053883)

[87] (WO2018/002851)

[30] US (62/356,120) 2016-06-29

[21] **3,029,127**
[13] A1

[51] **Int.Cl. A61G 5/10 (2006.01) A61G 3/06 (2006.01) A61G 7/012 (2006.01) A61G 7/018 (2006.01) A61G 7/10 (2006.01) A61G 13/06 (2006.01)**

[25] EN

[54] **IMPROVED SCISSORS LIFT FOR A WHEELCHAIR**

[54] **ELEVATEUR A CISEAUX AMELIORE POUR FAUTEUIL ROULANT**

[72] LYKKEGAARD, FRANK, DK

[71] MOBILITY MOTION COMPONENTS, DK

[85] 2018-12-21

[86] 2017-07-04 (PCT/DK2017/050224)

[87] (WO2018/006917)

[30] DK (PA 2016 70490) 2016-07-05

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[21] **3,029,128**
[13] A1

[51] **Int.Cl. B64C 13/50 (2006.01)**
[25] EN
[54] **SPLIT-AILERON CONTROL**
[54] **COMMANDE D'AILERONS DIVISES**
[72] AHN, THOMAS, CA
[72] TANG, GRACE SHWU JEN, CA
[72] MOKHTARIAN, FARZAD, CA
[72] DE KOK, GERARDUS HERBERTUS, CA
[72] VIGNERON, SEBASTIEN ERIC BENOIT, CA
[71] BOMBARDIER INC., CA
[85] 2018-12-21
[86] 2017-06-23 (PCT/IB2017/053779)
[87] (WO2018/002799)
[30] US (62/356,767) 2016-06-30

[21] **3,029,129**
[13] A1

[51] **Int.Cl. A61B 17/22 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR TREATING LESIONS**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE LESIONS**
[72] BROUILLETTE, MARTIN, CA
[72] DION, STEVEN, CA
[72] RIEL, LOUIS-PHILIPPE, CA
[71] LES SOLUTIONS MEDICALES SOUNDBITE INC., CA
[85] 2018-12-21
[86] 2017-06-29 (PCT/IB2017/053942)
[87] (WO2018/002887)
[30] US (62/357,024) 2016-06-30

[21] **3,029,130**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/10 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR TREATMENT OF APOLIPOPROTEIN C3 (APOCIII)-RELATED DISORDERS**
[54] **MATERIAUX ET METHODES DE TRAITEMENT DE TROUBLES LIES A L'APOLIPOPROTEINE C3 (APOCIII)**
[72] LUNDBERG, ANTE SVEN, US
[72] KLEIN, LAWRENCE, US
[72] KULKARNI, SAMARTH, US
[72] PADMANABHAN, HARI KUMAR, US
[71] CRISPR THERAPEUTICS AG, CH
[85] 2018-12-21
[86] 2017-06-29 (PCT/IB2017/001112)
[87] (WO2018/002730)
[30] US (62/355,909) 2016-06-29
[30] US (62/461,836) 2017-02-22

[21] **3,029,131**
[13] A1

[51] **Int.Cl. B64D 43/02 (2006.01) B64D 45/00 (2006.01) G01D 1/00 (2006.01) G01D 7/02 (2006.01)**
[25] EN
[54] **INTUITIVE DISPLAY OF ANGLE OF ATTACK GUIDANCE ON AIRCRAFT ATTITUDE INDICATOR**
[54] **AFFICHAGE INTUITIF DE GUIDAGE D'ANGLE D'ATTAQUE SUR UN INDICATEUR D'ASSIETTE D'AERONEF**
[72] WATSON, GARY, US
[71] L-3 TECHNOLOGIES AVIONIC PRODUCTS, US
[85] 2018-12-21
[86] 2017-06-29 (PCT/IB2017/053928)
[87] (WO2018/002878)
[30] US (62/356,118) 2016-06-29

[21] **3,029,132**
[13] A1

[51] **Int.Cl. C07K 14/705 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR TREATMENT OF PAIN RELATED DISORDERS**
[54] **MATERIAUX ET PROCEDES DE TRAITEMENT DE TROUBLES LIES A LA DOULEUR**
[72] LUNDBERG, ANTE SVEN, US
[72] KULKARNI, SAMARTH, US
[72] KLEIN, LAWRENCE, US
[72] PADMANABHAN, HARI KUMAR, US
[71] CRISPR THERAPEUTICS AG, CH
[85] 2018-12-21
[86] 2017-07-06 (PCT/IB2017/054081)
[87] (WO2018/007976)
[30] US (62/358,769) 2016-07-06
[30] US (62/461,876) 2017-02-22

[21] **3,029,133**
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01)**
[25] EN
[54] **IMPROVED PHARMACOKINETIC ASSAYS FOR IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS**
[54] **DOSAGES PHARMACOCINETIQUES AMELIORES POUR DOMAINES VARIABLES UNIQUES D'IMMUNOGLOBULINES**
[72] SNOECK, VEERLE, BE
[72] BONTINCK, LIESELOT, BE
[72] POELMANS, SOFIE, BE
[72] MORTIER, KJELL, BE
[72] BUYSE, MARIE-ANGE, BE
[72] DEKEYZER, LIES, BE
[72] BAUMEISTER, JUDITH, BE
[71] ABLYNX N.V., BE
[85] 2018-12-21
[86] 2017-06-21 (PCT/EP2017/065219)
[87] (WO2017/220645)
[30] US (62/353,784) 2016-06-23

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[21] **3,029,134**
[13] A1

[51] **Int.Cl. A01B 51/02 (2006.01) A01B 3/50 (2006.01) A01B 5/16 (2006.01) A01B 35/32 (2006.01) A01B 39/06 (2006.01) A01B 69/00 (2006.01)**

[25] EN

[54] **AUTONOMOUS INTEGRATED FARMING SYSTEM**

[54] **SYSTEME AGRICOLE INTEGRE AUTONOME**

[72] TIPPERY, STEVE R., US

[72] ADKINS, TIM, US

[72] BURKEY, BRANT, US

[72] ROEHR, HEATH, US

[72] GERBER, KYLE, US

[71] REALMFIVE, INC., US

[85] 2019-01-07

[86] 2016-12-19 (PCT/US2016/067625)

[87] (WO2017/106874)

[30] US (62/269,770) 2015-12-18

[30] US (62/269,800) 2015-12-18

[30] US (62/319,861) 2016-04-08

[30] US (62/335,260) 2016-05-12

[30] US (62/368,080) 2016-07-28

[30] US (15/384,132) 2016-12-19

[21] **3,029,135**
[13] A1

[51] **Int.Cl. B25J 15/04 (2006.01) A61B 17/00 (2006.01)**

[25] EN

[54] **TOOL COUPLING**

[54] **ACCOUPLLEMENT D'OUTIL**

[72] KLEIN HUBERT, JULIUS, ES

[72] FERNANDEZ IRIBAR, ASIER, ES

[72] MEDINA CARNICER, RAFAEL, ES

[72] MUNOZ SALINAS, RAFAEL, ES

[72] BAUZANO NUNEZ, ENRIQUE, ES

[72] LOPEZ CASADO, M^a CARMEN, ES

[72] MUNOZ MARTINEZ, VICTOR FERNANDO, ES

[72] REQUENA TAPIA, MARIA JOSE, ES

[72] ARJONA BERRAL, JOSE EDUARDO, ES

[72] PAREDES ESTEBAN, ROSA MARIA, ES

[72] SALVATIERRA VELAZQUEZ, ANGEL, ES

[72] MUNOZ CARVAJAL, IGNACIO, ES

[72] BRICENO DELGADO, JAVIER, ES

[71] FUNDACION TECNALIA RESEARCH & INNOVATION, ES

[71] UNIVERSIDAD DE CORDOBA, ES

[71] SERVICIO ANDALUZ DE SALUD, ES

[71] UNIVERSIDAD DE MALAGA, ES

[85] 2018-12-21

[86] 2017-06-23 (PCT/EP2017/065597)

[87] (WO2017/220805)

[30] EP (16382294.3) 2016-06-23

[21] **3,029,136**
[13] A1

[51] **Int.Cl. C07K 16/46 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) C07K 16/00 (2006.01)**

[25] EN

[54] **HUMANIZED ANTIBODIES TRANSMIGRATING THE BLOOD-BRAIN BARRIER AND USES THEREOF**

[54] **ANTICORPS HUMANISES FRANCHISSANT LA BARRIERE HEMATOENCEPHALIQUE ET LEURS UTILISATIONS**

[72] STANIMIROVIC, DANICA, CA

[72] DUROCHER, YVES, CA

[72] SULEA, TRAIAN, CA

[72] KEMMERICH, KRISTIN, CA

[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA

[85] 2018-12-21

[86] 2017-07-04 (PCT/IB2017/054036)

[87] (WO2018/007950)

[30] US (62/358,777) 2016-07-06

[21] **3,029,137**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**

[25] EN

[54] **ANTI-CD19 ANTIBODY FORMULATIONS**

[54] **FORMULATIONS D'ANTICORPS ANTI-CD19**

[72] GARIDEL, PATRICK, DE

[72] LANGER, ANDREAS, DE

[72] HESSLING, MARTIN, DE

[72] WEINFURTNER, DANIEL, DE

[72] BROCKS, BODO, DE

[71] MORPHOSYS AG, DE

[85] 2018-12-21

[86] 2017-06-27 (PCT/EP2017/065819)

[87] (WO2018/002031)

[30] EP (16176322.2) 2016-06-27

[21] **3,029,138**
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/4168 (2006.01)**

[25] EN

[54] **LIQUID PHARMACEUTICAL COMPOSITION OF CLONIDINE**

[54] **COMPOSITION PHARMACEUTIQUE LIQUIDE DE CLONIDINE**

[72] PATEL, KAMLESH, GB

[72] PATEL, SANJAYKUMAR MAGANBHAI, IN

[72] PATEL, VIRAL MAHENDRABHAI, IN

[71] SYRI LTD, GB

[85] 2018-12-21

[86] 2017-06-12 (PCT/IB2017/053458)

[87] (WO2018/002751)

[30] GB (1611175.9) 2016-06-28

Demandes PCT entrant en phase nationale

[21] **3,029,139**
[13] A1

[51] **Int.Cl. A61F 5/56 (2006.01)**
[25] EN
[54] **DENTAL APPLIANCE FOR SLEEP APNEA, SNORING AND TONGUE AND ORAL CAVITY REMODELING**

[54] **APPAREIL DENTAIRE CONTRE L'APNEE DU SOMMEIL ET LES RONFLEMENTS ET POUR LA REORGANISATION DE LA LANGUE ET DE LA CAVITE BUCCALE**

[72] MAUCLAIRE, CLAUDE, FR
[72] VANPOULLE, FREDERIC, FR
[72] QUESTEL, SEBASTIEN CORLAY, FR
[72] MAUCLAIRE, JEAN-MICHEL, FR
[71] TONGUE LAB EUROPE LTD., GB
[85] 2018-12-21
[86] 2017-07-07 (PCT/IB2017/054130)
[87] (WO2018/008002)
[30] US (62/360,230) 2016-07-08

[21] **3,029,140**
[13] A1

[51] **Int.Cl. F21V 8/00 (2006.01) G02B 6/10 (2006.01)**
[25] EN
[54] **LIGHT GUIDES WITH LOW REFRACTIVE COATING TO BE USED IN WATER**

[54] **GUIDES DE LUMIERE A REVETEMENT A FAIBLE REFRACTION DEVANT ETRE UTILISES DANS L'EAU**

[72] BALKENENDE, ABRAHAM RUDOLF, NL
[72] SALTERS, BART ANDRE, NL
[72] HIETBRINK, ROELANT BOUDEWIJN, NL
[72] DE WIJS, WILLEM-JAN AREND, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-12-21
[86] 2017-06-29 (PCT/EP2017/066080)
[87] (WO2018/002193)
[30] EP (16176774.4) 2016-06-29
[30] EP (17178199.0) 2017-06-27

[21] **3,029,142**
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 46/10 (2016.01) A61B 90/96 (2016.01) A61B 90/98 (2016.01)**
[25] EN
[54] **STERILE IMPLANT TRACKING DEVICE AND SYSTEM**

[54] **DISPOSITIF ET SYSTEME DE SUIVI D'IMPLANT STERILE**

[72] PRPA, BRANKO, US
[72] DONNELLY, LARRY W., US
[72] DONNELLY, BRANDON M., US
[71] MATRIX IT MEDICAL TRACKING SYSTEMS, INC., US
[85] 2018-12-21
[86] 2016-06-23 (PCT/US2016/038990)
[87] (WO2016/210111)
[30] US (62/183,489) 2015-06-23

[21] **3,029,143**
[13] A1

[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/136 (2017.01)**
[25] EN
[54] **CHANGE DETECTION IN MEDICAL IMAGES**

[54] **DETECTION DE CHANGEMENT DANS DES IMAGES MEDICALES**

[72] SCHIRMAN, TAMAR DEBORA, NL
[72] YEHEZKELY, SHELLY THEODORA, NL
[72] KAM, YOSSEI, NL
[72] SHAKIRIN, GEORGY, NL
[72] THIELE, FRANK OLAF, NL
[72] KATZ, RUTH, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-12-21
[86] 2017-06-29 (PCT/EP2017/066130)
[87] (WO2018/002221)
[30] EP (16176819.7) 2016-06-29

[21] **3,029,144**
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **EVALUATING METHOD OF KETOSIS IN POSTPARTUM DAIRY COWS**

[54] **PROCEDE D'EVALUATION DE LA CETOSE POST-PARTUM**

[72] MIKAMI, TAKASHI, JP
[72] IMAIZUMI, AKIRA, JP
[72] TANAKA, TAKAYUKI, JP
[72] MIYAZAWA, YUKI, JP
[72] NAKAMURA, MINA, JP
[72] NAKAGAWA, KAZUKI, JP
[72] FUJIEDA, TAKESHI, JP
[71] AJINOMOTO CO., INC., JP
[85] 2018-12-21
[86] 2017-06-21 (PCT/JP2017/022927)
[87] (WO2018/003638)
[30] JP (2016-130927) 2016-06-30

[21] **3,029,145**
[13] A1

[51] **Int.Cl. A61K 35/744 (2015.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/00 (2016.01) A61P 25/22 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITION COMPRISING A PROBIOTIC FOR THE PREVENTION AND/OR TREATMENT OF ANXIETY DISORDERS AND RELATED CONDITIONS IN A MAMMAL**

[54] **COMPOSITION NUTRITIONNELLE COMPRENANT UN PROBIOTIQUE POUR LE TRAITEMENT PROPHYLACTIQUE ET/OU THERAPEUTIQUE DE TROUBLES DE L'ANXIETE ET D'ETATS ASSOCIES CHEZ UN MAMMIFERE**

[72] SCHNEIDER, NORA, CH
[72] MITCHELL, ELLEN SIOBHAN, US
[72] BLANCHARD, CARINE, CH
[72] NEMBRINI, CHIARA, CH
[71] NESTEC S.A., CH
[85] 2018-12-21
[86] 2017-06-29 (PCT/EP2017/066161)
[87] (WO2018/002240)
[30] EP (16177649.7) 2016-07-01

PCT Applications Entering the National Phase

[21] **3,029,146**
[13] A1

[51] **Int.Cl. B65D 81/18 (2006.01) A01N 1/02 (2006.01) A61J 3/00 (2006.01) B65B 7/02 (2006.01) B65B 51/22 (2006.01) B65D 81/20 (2006.01)**

[25] EN

[54] **FROZEN STORAGE CONTAINER AND FROZEN STORAGE CONTAINER SYSTEM**

[54] **RECIPIENT DE STOCKAGE CONGELE ET SYSTEME DE RECIPIENT DE STOCKAGE CONGELE**

[72] NAKATSUJI, NORIO, JP
[72] SUEMORI, HIROFUMI, JP
[72] TAKAHASHI, TSUNEO, JP
[72] KAWASE, EIHACHIRO, JP
[72] TAGUCHI, ATSUSHI, JP
[72] TOMII, RYO, JP
[71] KYOTO UNIVERSITY, JP
[71] NIPRO CORPORATION, JP
[85] 2018-12-21
[86] 2017-06-27 (PCT/JP2017/023536)
[87] (WO2018/003786)
[30] JP (2016-127837) 2016-06-28

[21] **3,029,147**
[13] A1

[51] **Int.Cl. C10M 141/12 (2006.01) C10M 129/10 (2006.01) C10M 133/16 (2006.01) C10M 135/18 (2006.01) C10M 137/10 (2006.01) C10M 139/00 (2006.01)**

[25] EN

[54] **INTERNAL COMBUSTION ENGINE LUBRICATING OIL COMPOSITION**

[54] **COMPOSITION D'HUILE LUBRIFIANTE DESTINEE A UN MOTEUR A COMBUSTION INTERNE**

[72] SUMI, TARO, JP
[72] IINO, SHINJI, JP
[71] ADEKA CORPORATION, JP
[85] 2018-12-21
[86] 2017-06-27 (PCT/JP2017/023617)
[87] (WO2018/003812)
[30] JP (2016-128697) 2016-06-29

[21] **3,029,148**
[13] A1

[51] **Int.Cl. H04L 12/70 (2013.01)**

[25] EN

[54] **COMMUNICATION NETWORK DETERMINATION DEVICE, COMMUNICATION NETWORK DETERMINATION METHOD, AND RECORDING MEDIUM HAVING COMMUNICATION NETWORK DETERMINATION PROGRAM RECORDED THEREIN**

[54] **DISPOSITIF DE DETERMINATION DE RESEAU DE COMMUNICATION, PROCEDE DE DETERMINATION DE RESEAU DE COMMUNICATION ET SUPPORT D'ENREGISTREMENT DANS LEQUEL UN PROGRAMME DE DETERMINATION DE RESEAU DE COMMUNICATION EST ENREGISTRE**

[72] YAMANE, MASATO, JP
[72] ASHINO, YUKI, JP
[71] NEC CORPORATION, JP
[85] 2018-12-21
[86] 2017-06-21 (PCT/JP2017/022815)
[87] (WO2017/221969)
[30] JP (2016-124736) 2016-06-23

[21] **3,029,149**
[13] A1

[51] **Int.Cl. F23J 7/00 (2006.01) C10L 10/00 (2006.01)**

[25] EN

[54] **BOILER CLEANING PROCESS, CORRESPONDING DEVICE AND BOILER**

[54] **PROCEDE DE NETTOYAGE DE CHAUDIERE, DISPOSITIF ET CHAUDIERE CORRESPONDANTS**

[72] TABARIES, FRANK, FR
[72] LABOREL, YANN, FR
[72] FEILENREITER, THOMAS, DE
[71] CONSTRUCTIONS INDUSTRIELLES DE LA MEDITERRANEE - CNIM, FR
[85] 2018-12-21
[86] 2017-06-30 (PCT/EP2017/066266)
[87] (WO2018/002299)
[30] FR (1656303) 2016-07-01

[21] **3,029,150**
[13] A1

[51] **Int.Cl. A23C 9/152 (2006.01) A23L 33/00 (2016.01) A23C 9/13 (2006.01)**

[25] EN

[54] **MAGNESIUM ION AS ANTIBACTERIAL AGENT**

[54] **ION MAGNESIUM UTILISE EN TANT QU'AGENT ANTIBACTERIEN**

[72] SHEMESH, MOSHE, IL
[72] STEINBERG, DORON, IL
[72] REIFEN, RAM, IL
[71] THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRICULTURAL RESEARCH ORGANIZATION (ARO) (VOLCANI CENTER), IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2018-12-21
[86] 2016-09-08 (PCT/IL2016/051000)
[87] (WO2017/203504)
[30] US (62/339,977) 2016-05-23
[30] US (62/360,496) 2016-07-11

[21] **3,029,151**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 3/06 (2006.01)**

[25] EN

[54] **FLAVOR INHALER AND COMBUSTION TYPE HEAT SOURCE**

[54] **INHALATEUR D'AROME ET SOURCE DE CHALEUR DE TYPE A COMBUSTION**

[72] NAKANO, TAKUMA, JP
[72] AKIYAMA, TAKESHI, JP
[72] ODA, TAKASHI, JP
[72] SUZUKI, MASAOKI, JP
[72] YAMADA, ATSURO, JP
[71] JAPAN TABACCO INC., JP
[85] 2018-12-21
[86] 2017-06-28 (PCT/JP2017/023778)
[87] (WO2018/003870)
[30] JP (2016-131585) 2016-07-01
[30] JP (2016-131586) 2016-07-01
[30] JP (2016-131587) 2016-07-01

Demandes PCT entrant en phase nationale

[21] **3,029,152**
[13] A1

[51] **Int.Cl. G06Q 20/34 (2012.01) G07F 7/08 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **METHOD FOR AUTHENTICATING PAYMENT DATA, CORRESPONDING DEVICES AND PROGRAMS**

[54] **PROCEDE D'AUTHENTIFICATION DE DONNEES DE PAIEMENT, DISPOSITIFS ET PROGRAMMES CORRESPONDANTS**

[72] GERAUD, REMI, FR

[71] INGENICO GROUP, FR

[85] 2018-12-21

[86] 2017-06-30 (PCT/EP2017/066362)

[87] (WO2018/002349)

[30] FR (1656239) 2016-06-30

[21] **3,029,153**
[13] A1

[51] **Int.Cl. B60L 5/00 (2006.01) B60M 3/02 (2006.01) H03H 7/38 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR POWERING ON-ROAD ELECTRIC VEHICLES VIA WIRELESS POWER TRANSFER**

[54] **SYSTEME ET PROCEDE D'ALIMENTATION DE VEHICULES ELECTRIQUES SUR ROUTE VIA UN TRANSFERT D'ENERGIE SANS FIL**

[72] RUMBAK, HANAN, IL

[71] ELECTRIC ROAD LTD., IL

[85] 2018-12-21

[86] 2017-06-29 (PCT/IL2017/050724)

[87] (WO2018/002931)

[30] US (15/198,844) 2016-06-30

[21] **3,029,154**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) G06Q 20/34 (2012.01) G07F 7/08 (2006.01) H04L 9/08 (2006.01) H04L 9/30 (2006.01)**

[25] FR

[54] **METHOD FOR AUTHENTICATING PAYMENT DATA, CORRESPONDING DEVICES AND PROGRAMS**

[54] **PROCEDE D'AUTHENTIFICATION DE DONNEES DE PAIEMENT, DISPOSITIFS ET PROGRAMMES CORRESPONDANTS**

[72] GERAUD, REMI, FR

[71] INGENICO GROUP, FR

[85] 2018-12-21

[86] 2017-06-30 (PCT/EP2017/066365)

[87] (WO2018/002351)

[30] FR (1656240) 2016-06-30

[21] **3,029,155**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01) A24D 3/06 (2006.01)**

[25] EN

[54] **FLAVOR INHALER**

[54] **INHALATEUR D'AROME**

[72] NAKANO, TAKUMA, JP

[72] AKIYAMA, TAKESHI, JP

[72] ODA, TAKASHI, JP

[72] SUZUKI, MASAOKI, JP

[72] NAKAZONO, TAKAYUKI, JP

[71] JAPAN TOBACCO INC., JP

[85] 2018-12-21

[86] 2017-06-28 (PCT/JP2017/023782)

[87] (WO2018/003872)

[30] JP (2016-131585) 2016-07-01

[30] JP (2016-131586) 2016-07-01

[30] JP (2016-131587) 2016-07-01

[21] **3,029,156**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN

[54] **ADJUSTABLE ANNULOPLASTY DEVICE WITH ALTERNATING PEAKS AND TROUGHS**

[54] **DISPOSITIF D'ANNULOPLASTIE REGLABLE A PICS ET CREUX ALTERNES.**

[72] KUTZIK, MEIR, IL

[72] BRAUON, HAIM, IL

[72] LEVIN, MICHAEL, IL

[72] FOGEL, ALON, IL

[72] HARITON, ILIA, IL

[72] REICH, TAL, IL

[71] VALTECH CARDIO, LTD., IL

[85] 2018-12-21

[86] 2017-07-06 (PCT/IL2017/050754)

[87] (WO2018/008027)

[30] GB (1611910.9) 2016-07-08

[30] US (15/475,871) 2017-03-31

[21] **3,029,157**
[13] A1

[51] **Int.Cl. C11D 1/66 (2006.01) C11D 1/825 (2006.01)**

[25] EN

[54] **ANTI-GREYING AGENT**

[54] **AGENT ANTI-GRISAILLE**

[72] BAUER, FREDERIC, DE

[72] ESPER, CLAUDIA, DE

[71] BASF SE, DE

[85] 2018-12-21

[86] 2017-07-03 (PCT/EP2017/066425)

[87] (WO2018/007281)

[30] EP (16178025.9) 2016-07-05

[21] **3,029,158**
[13] A1

[51] **Int.Cl. A61B 17/135 (2006.01)**

[25] EN

[54] **HEMOSTATIC INSTRUMENT**

[54] **INSTRUMENT HEMOSTATIQUE**

[72] HAZAMA, KENICHI, US

[71] TERUMO KABUSHIKI KAISHA, JP

[85] 2018-12-21

[86] 2017-07-03 (PCT/JP2017/024383)

[87] (WO2018/008602)

[30] JP (2016-134609) 2016-07-06

PCT Applications Entering the National Phase

[21] **3,029,159**
[13] A1

[51] **Int.Cl. A42B 3/12 (2006.01) A41D 13/015 (2006.01) A63B 71/10 (2006.01) B60R 21/04 (2006.01)**

[25] EN

[54] **ANISOTROPIC COMPOSITE STRUCTURE, LINER AND HELMET COMPRISING SUCH A STRUCTURE AND USE OF AND METHOD OF PRODUCING SUCH A STRUCTURE**

[54] **STRUCTURE COMPOSITE ANISOTROPE, DOUBLURE ET CASQUE COMPORTANT UNE TELLE STRUCTURE, UTILISATION ET PROCEDE DE FABRICATION D'UNE TELLE STRUCTURE**

[72] IVENS, JAN, BE
[72] MOSLEH, YASMINE, NL
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE

[85] 2018-12-21
[86] 2017-06-30 (PCT/EP2017/066233)
[87] (WO2018/002283)
[30] GB (1611459.7) 2016-06-30
[30] GB (1620806.8) 2016-12-07
[30] GB (1620807.6) 2016-12-07

[21] **3,029,160**
[13] A1

[51] **Int.Cl. F03B 3/18 (2006.01)**

[25] FR

[54] **METHOD FOR OPTIMIZING THE ADJUSTMENT OF THE GATING OF AT LEAST ONE HYDRAULIC TURBINE**

[54] **PROCEDE D'OPTIMISATION DU REGLAGE DU VANNAGE D'AU MOINS UNE TURBINE HYDRAULIQUE**

[72] MOUSSEEFF, OLIVIER, FR
[72] HIDEUX, ERIC, FR
[71] ELECTRICITE DE FRANCE, FR

[85] 2018-12-21
[86] 2017-07-04 (PCT/EP2017/066644)
[87] (WO2018/007390)
[30] FR (1656403) 2016-07-05

[21] **3,029,161**
[13] A1

[51] **Int.Cl. C12N 9/26 (2006.01) C12N 9/28 (2006.01) C12N 9/30 (2006.01) C12N 9/34 (2006.01)**

[25] EN

[54] **ALPHA-AMYLASES FOR COMBINATION WITH GLUCOAMYLASES FOR IMPROVING SACCHARIFICATION**

[54] **ALPHA-AMYLASES DESTINEES A ETRE COMBINEES AVEC DES GLUCOAMYLASES POUR AMELIORER LA SACCHARIFICATION**

[72] SKINNER, RYAN, US
[72] RICE, CHARLES F., US
[72] ARGYROS, AARON, US
[71] LALLEMAND HUNGARY LIQUIDITY MANAGEMENT LLC, HU

[85] 2018-12-21
[86] 2017-06-30 (PCT/EP2017/066378)
[87] (WO2018/002360)
[30] US (62/357,664) 2016-07-01

[21] **3,029,162**
[13] A1

[51] **Int.Cl. C10G 1/00 (2006.01) C10B 53/02 (2006.01) C10G 1/02 (2006.01) C10G 1/08 (2006.01) C10G 45/44 (2006.01) C10G 45/46 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF LOW MOLECULAR WEIGHT AROMATICS (BTX) AND BIOFUELS FROM BIOMASS**

[54] **PROCEDE DE PREPARATION DE COMPOSES AROMATIQUES DE FAIBLE POIDS MOLECULAIRE (BTX) ET DE BIOCARBURANTS A PARTIR DE BIOMASSE**

[72] HEERES, ANDRE, NL
[72] SCHENK, NIELS JAN, NL
[72] KRUIZE-MUIZEBELT, INOUK, NL
[71] BIOBTX B.V., NL

[85] 2018-12-21
[86] 2017-06-23 (PCT/NL2017/050419)
[87] (WO2017/222380)
[30] NL (2017044) 2016-06-24

[21] **3,029,163**
[13] A1

[51] **Int.Cl. G08G 1/16 (2006.01) B60R 21/00 (2006.01)**

[25] EN

[54] **OBJECT TRACKING METHOD AND OBJECT TRACKING DEVICE**

[54] **PROCEDE DE SUIVI D'OBJET ET DISPOSITIF DE SUIVI D'OBJET**

[72] FANG, FANG, JP
[72] NODA, KUNIYUKI, JP
[71] NISSAN MOTOR CO., LTD., JP

[85] 2018-12-21
[86] 2016-06-27 (PCT/JP2016/068978)
[87] (WO2018/002985)

[21] **3,029,164**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/12 (2006.01) H04R 25/00 (2006.01)**

[25] EN

[54] **HEARING TEST AND MODIFICATION OF AUDIO SIGNALS**

[54] **TEST D'AUDITION ET MODIFICATION DE SIGNAUX SONORES**

[72] TURNER, MATTHEW, GB
[72] MOORE, BRIAN, GB
[72] STONE, MICHAEL, GB
[71] GOSHAWK COMMUNICATIONS LIMITED, IM

[85] 2018-12-21
[86] 2017-07-07 (PCT/EP2017/067168)
[87] (WO2018/007631)
[30] GB (1611804.4) 2016-07-07

Demandes PCT entrant en phase nationale

[21] **3,029,165**
[13] A1

[51] **Int.Cl. B61L 1/18 (2006.01) B61L 7/10 (2006.01) B61L 23/16 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING SIGNALING DEVICES ALONG RAILROAD TRACKS IN ELECTRIFIED TERRITORY**

[54] **SYSTEME ET PROCEDE DE COMMANDE DE DISPOSITIFS DE SIGNALISATION LE LONG DE VOIES FERREES DANS UN TERRITOIRE ELECTRIFIE**

[72] HOGAN, BRIAN JOSEPH, US
[72] EDDS, A. NATHAN, US
[72] BAMFIELD, RICHARD, NZ
[71] SIEMENS INDUSTRY, INC., US
[85] 2018-12-21
[86] 2016-06-24 (PCT/US2016/039166)
[87] (WO2017/222544)

[21] **3,029,166**
[13] A1

[51] **Int.Cl. B65B 43/54 (2006.01) B65B 3/00 (2006.01) B65B 3/04 (2006.01) B65B 7/16 (2006.01) B65B 57/10 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MANUFACTURING A LIQUID-FILLED CAPSULE**

[54] **PROCEDE ET APPAREIL DE FABRICATION D'UNE CAPSULE REMPLIE DE LIQUIDE**

[72] FUJITA, NORITOSHI, LU
[71] JT INTERNATIONAL S.A., CH
[85] 2018-12-21
[86] 2017-07-26 (PCT/EP2017/068846)
[87] (WO2018/019868)
[30] EP (16181524.6) 2016-07-27

[21] **3,029,167**
[13] A1

[51] **Int.Cl. C12N 15/09 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **METHOD FOR PRODUCING DNA LIBRARY AND METHOD FOR ANALYZING GENOMIC DNA USING THE DNA LIBRARY**

[54] **METHODE DE PRODUCTION D'UNE BANQUE D'ADN ET METHODE D'ANALYSE D'ADN GENOMIQUE A L'AIDE D'UNE BANQUE D'ADN**

[72] ENOKI, HIROYUKI, JP
[72] TAKEUCHI, YOSHIE, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[85] 2018-12-21
[86] 2017-04-03 (PCT/JP2017/013965)
[87] (WO2018/003220)
[30] JP (2016-129048) 2016-06-29
[30] JP (2016-178528) 2016-09-13
[30] JP (2017-071020) 2017-03-31

[21] **3,029,169**
[13] A1

[51] **Int.Cl. B61L 5/18 (2006.01) G08G 1/095 (2006.01)**

[25] EN

[54] **OPTICAL SYSTEM FOR A LED SIGNAL AND WAYSIDE LED SIGNAL**

[54] **SYSTEME OPTIQUE POUR SIGNAL A DEL ET SIGNAL A DEL DE BORD DE ROUTE**

[72] BEIER, AXEL, DE
[72] TURCK, VOLKER, DE
[71] SIEMENS INDUSTRY, INC., US
[85] 2018-12-21
[86] 2016-06-28 (PCT/US2016/039778)
[87] (WO2018/004534)

[21] **3,029,170**
[13] A1

[51] **Int.Cl. C07H 19/24 (2006.01) A61K 31/7042 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SUBSTITUTED THIENOPYRROLOPYRIMIDINE RIBONUCLEOSIDES FOR THERAPEUTIC USE**

[54] **RIBONUCLEOSIDES DE THIENOPYRROLOPYRIMIDINE SUBSTITUES A USAGE THERAPEUTIQUE**

[72] HOCEK, MICHAL, CZ
[72] TICHY, MICHAL, CZ
[72] HAJDUCH, MARIAN, CZ
[72] DZUBAK, PETR, CZ
[71] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I., CZ
[71] UNIVERZITA PALACKEHO V OLOMOUCI, CZ
[85] 2018-12-21
[86] 2016-06-29 (PCT/CZ2016/050021)
[87] (WO2018/001393)

[21] **3,029,171**
[13] A1

[51] **Int.Cl. E01B 27/16 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR TAMPING BALLAST**

[54] **APPAREIL ET PROCEDE DE BOURRAGE DE BALLAST**

[72] PADOVANI, DAMIANO, US
[72] IVANTYSYNOVA, MONIKA, US
[71] HARSCO TECHNOLOGIES LLC, US
[85] 2018-12-21
[86] 2016-07-05 (PCT/US2016/040965)
[87] (WO2018/009173)

PCT Applications Entering the National Phase

[21] **3,029,174**
[13] A1

[51] **Int.Cl. B22F 9/04 (2006.01) B22F 1/00 (2006.01) C22F 1/18 (2006.01) C22C 14/00 (2006.01) C22C 21/00 (2006.01) C22F 1/00 (2006.01)**

[25] EN

[54] **HYDROGENATION-DEHYDROGENATION METHOD FOR TIAL ALLOY AND METHOD FOR PRODUCING TIAL ALLOY POWDER**

[54] **PROCEDE D'HYDROGENATION-DESHYDROGENATION POUR ALLIAGE TIAL ET PROCEDE DE PRODUCTION DE POUDRE D'ALLIAGE TIAL**

[72] SOBU, SHINTARO, JP

[72] HANADA, TADAYUKI, JP

[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP

[85] 2018-12-21

[86] 2017-12-06 (PCT/JP2017/043858)

[87] (WO2018/105664)

[30] JP (2016-237870) 2016-12-07

[21] **3,029,175**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4155 (2006.01) A61K 31/428 (2006.01) A61K 31/4725 (2006.01) C07D 233/58 (2006.01) C07D 401/04 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **NOVEL PYRAZOLE DERIVATIVES AS ALK5 INHIBITORS AND USES THEREOF**

[54] **NOUVEAU DERIVE DE PYRAZOLE EN TANT QU'INHIBITEUR D'ALK5 ET SES UTILISATIONS**

[72] LEE, KYUNG IK, KR

[72] JUNG, YOUNG HEE, KR

[72] SONG, JI YOUNG, KR

[72] JUN, SEUNG AH, KR

[71] HANMI PHARMACEUTICAL CO., LTD., KR

[85] 2018-12-21

[86] 2017-06-30 (PCT/KR2017/006940)

[87] (WO2018/004290)

[30] KR (10-2016-0082824) 2016-06-30

[30] KR (10-2016-0180401) 2016-12-27

[30] KR (10-2017-0082868) 2017-06-29

[21] **3,029,178**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/70 (2006.01)**

[25] EN

[54] **DOUBLE-STRANDED NUCLEIC ACID SIGNAL PROBE AND METHOD FOR DETECTING TARGET MOLECULE USING SAME**

[54] **SONDE DE SIGNAL D'ACIDE NUCLEIQUE BICATENAIRE ET PROCEDE DE DETECTION DE MOLECULE CIBLE UTILISANT CELLE-CI**

[72] KIM, SUNG CHUN, KR

[71] BIOIS CO.,LTD, KR

[85] 2018-12-21

[86] 2017-06-30 (PCT/KR2017/006987)

[87] (WO2018/004309)

[30] KR (10-2016-0082612) 2016-06-30

[21] **3,029,180**
[13] A1

[51] **Int.Cl. B61L 5/18 (2006.01) B61L 1/20 (2006.01)**

[25] EN

[54] **MONITORING SYSTEM, WAYSIDE LED SIGNAL, AND METHOD FOR MONITORING A WAYSIDE LED SIGNAL**

[54] **SYSTEME DE SURVEILLANCE, DISPOSITIF DE SIGNALISATION A DEL EN VOIE, ET PROCEDE DE SURVEILLANCE D'UN DISPOSITIF DE SIGNALISATION A DEL EN VOIE**

[72] SMITH, JEFFREY, GB

[72] COWEN, DAVID, GB

[71] SIEMENS INDUSTRY, INC., US

[85] 2018-12-21

[86] 2016-06-27 (PCT/US2016/039551)

[87] (WO2018/004513)

[21] **3,029,181**
[13] A1

[51] **Int.Cl. G01M 3/00 (2006.01) G21F 7/00 (2006.01)**

[25] EN

[54] **LEAKAGE CONTROL SYSTEM FOR SPENT FUEL COOLING POOL**

[54] **SYSTEME POUR CONTROLER LES FUITES DE LIQUIDE D'UN BASSIN DE RETENTION DE COMBUSTIBLE USE**

[72] ISAYEV, SERGUEY IVANOVICH, RU

[72] NOVIKOV, DENIS SERGUEYEVICH, RU

[71] JOINT-STOCK COMPANY SCIENTIFIC RESEARCH AND DESIGN INSTITUTE FOR ENERGY TECHNOLOGIES ATOMPROEKT, RU

[71] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS" ("SCIENCE AND INNOVATIONS", JSC), RU

[85] 2018-12-21

[86] 2016-09-30 (PCT/RU2016/000653)

[87] (WO2018/063022)

[21] **3,029,183**
[13] A1

[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6816 (2018.01) C07H 21/00 (2006.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01) C07H 21/02 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS AND COMPOSITIONS FOR SIMULTANEOUS DETECTION OF RNA AND PROTEIN BY MASS SPECTROMETRY**

[54] **SYSTEMES, PROCEDES ET COMPOSITIONS POUR LA DETECTION SIMULTANEE D'ARN ET DE PROTEINE PAR SPECTROMETRIE DE MASSE**

[72] ORNATSKY, OLGA, CA

[71] FLUIDIGM CANADA INC., CA

[85] 2018-12-21

[86] 2016-06-29 (PCT/US2016/040095)

[87] (WO2017/004203)

[30] US (62/186,355) 2015-06-29

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[21] **3,029,187**
[13] A1

[51] **Int.Cl. E21B 47/022 (2012.01) G01V 3/18 (2006.01) G01V 13/00 (2006.01)**

[25] EN

[54] **CALIBRATION OF ELECTROMAGNETIC RANGING TOOLS**

[54] **ETALONNAGE D'OUTILS DE TELEMETRIE ELECTROMAGNETIQUE**

[72] GUNER, BARIS, US

[72] DONDERICI, BURKAY, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-21

[86] 2016-09-27 (PCT/US2016/053986)

[87] (WO2018/063162)

[21] **3,029,188**
[13] A1

[51] **Int.Cl. E21B 23/12 (2006.01) E21B 7/06 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **PLUG DEFLECTOR FOR ISOLATING A WELLBORE OF A MULTI-LATERAL WELLBORE SYSTEM**

[54] **DEFLECTEUR DE PRISE PERMETTANT D'ISOLER UN Puits DE FORAGE D'UN SYSTEME DE Puits DE FORAGE MULTILATERAL**

[72] STEELE, DAVID JOE, US

[72] BUTLER, BENJAMIN LUKE, US

[72] TELFER, STUART ALEXANDER, GB

[72] HEPBURN, NEIL, GB

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-21

[86] 2016-09-16 (PCT/US2016/052177)

[87] (WO2018/052439)

[21] **3,029,189**
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 9/06 (2006.01) A61K 31/728 (2006.01) A61K 38/18 (2006.01) A61K 38/36 (2006.01) A61K 38/39 (2006.01) A61K 38/48 (2006.01) A61L 27/52 (2006.01) A61L 27/54 (2006.01)**

[25] EN

[54] **HYDROGEL PATCH**

[54] **TIMBRE D'HYDROGEL**

[72] KIM, JEONG BEOM, KR

[72] NAM, DONG GYU, KR

[71] UNIST(ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY), KR

[85] 2018-12-21

[86] 2018-03-14 (PCT/KR2018/003011)

[87] (WO2018/169314)

[30] KR (10-2017-0032019) 2017-03-14

[30] KR (10-2018-0029857) 2018-03-14

[21] **3,029,190**
[13] A1

[51] **Int.Cl. H04N 21/8352 (2011.01) H04N 21/8358 (2011.01) H04N 21/8405 (2011.01) G06T 1/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR IDENTIFYING MATCHING CONTENT**

[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION DE CONTENU CORRESPONDANT**

[72] BILOBROV, SERGIY, US

[72] AMBAR, ERAN, US

[71] FACEBOOK, INC., US

[85] 2018-12-21

[86] 2016-10-20 (PCT/US2016/057982)

[87] (WO2018/004720)

[30] US (62/355,043) 2016-06-27

[30] US (15/290,999) 2016-10-11

[30] US (15/291,002) 2016-10-11

[30] US (15/291,003) 2016-10-11

[21] **3,029,191**
[13] A1

[51] **Int.Cl. E21B 7/04 (2006.01) E21B 7/06 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **EXPANDABLE REENTRY COMPLETION DEVICE**

[54] **DISPOSITIF D'ACHEVEMENT DE RENTREE EXTENSIBLE**

[72] DURST, DOUG GLENN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-21

[86] 2016-09-19 (PCT/US2016/052476)

[87] (WO2018/052452)

[21] **3,029,192**
[13] A1

[51] **Int.Cl. E21B 47/022 (2012.01) E21B 47/024 (2006.01) G01V 3/18 (2006.01)**

[25] EN

[54] **UTILIZING DIVERSE EXCITATION SOURCES IN SINGLE WELL ELECTROMAGNETIC RANGING**

[54] **UTILISATION DE DIVERSES SOURCES D'EXCITATION DANS UNE TELEMETRIE ELECTROMAGNETIQUE**

[72] CAPOGLU, ILKER R., US

[72] DONDERICI, BURKAY, US

[72] GUNER, BARIS, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2018-12-21

[86] 2016-09-23 (PCT/US2016/053432)

[87] (WO2018/056999)

[21] **3,029,193**
[13] A1

[51] **Int.Cl. E06B 9/06 (2006.01) E05D 15/26 (2006.01) E06B 3/48 (2006.01)**

[25] EN

[54] **A SECTIONAL FOLDING OVERHEAD DOOR ASSEMBLY**

[54] **ENSEMBLE PORTE SECTIONNELLE PLIANTE A LEVAGE VERTICAL**

[72] MEGENS, JOHANNES HENDRIKUS, NL

[71] ROLFLEX EXPLOITATIE B.V., NL

[85] 2018-12-21

[86] 2017-06-23 (PCT/NL2017/050420)

[87] (WO2017/222381)

[30] EP (16176165.5) 2016-06-24

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[21] **3,029,197**
[13] A1

[51] **Int.Cl. A61K 35/17 (2015.01) A61K 35/12 (2015.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/06 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01)**

[25] EN

[54] **CHIMERIC ANTIGEN RECEPTORS (CARs), COMPOSITIONS AND METHODS THEREOF**

[54] **RECEPTEURS D'ANTIGENES CHIMERIQUES (CAR), COMPOSITIONS ET PROCEDES ASSOCIES**

[72] MA, YUPO, US
[72] PINZ, KEVIN, US
[72] JIANG, XUN, US
[72] WADA, MASAYUKI, US
[72] CHEN, KEVIN, US
[71] ICELL GENE THERAPEUTICS LLC, US

[85] 2018-12-21
[86] 2016-12-22 (PCT/US2016/068349)
[87] (WO2017/222593)
[30] US (PCT/US2016/039306) 2016-06-24
[30] US (62/369,004) 2016-07-29

[21] **3,029,199**
[13] A1

[51] **Int.Cl. E04H 17/00 (2006.01) E04H 17/14 (2006.01) E04H 17/16 (2006.01)**

[25] EN

[54] **MODULAR FENCE SYSTEM**

[54] **SYSTEME DE CLOTURE MODULAIRE**

[72] LANGENWALTER, DUANE E, US
[72] PEYTON, BASIL C, US
[71] ORIGIN POINT BRANDS LLC, US

[85] 2018-12-21
[86] 2017-06-06 (PCT/US2017/036102)
[87] (WO2017/214109)
[30] US (62/346,241) 2016-06-06

[21] **3,029,200**
[13] A1

[51] **Int.Cl. F16B 7/04 (2006.01)**

[25] EN

[54] **MAGNETIC STRUT CHANNEL FITTING**

[54] **RACCORD DE CANAL D'ENTRETOISE MAGNETIQUE**

[72] EDWARDS, DANIEL P., US
[72] BRANNEN, SHAUN M., US
[71] THOMAS & BETTS INTERNATIONAL LLC, US

[85] 2018-12-21
[86] 2017-06-13 (PCT/US2017/037207)
[87] (WO2017/222872)
[30] US (62/353,875) 2016-06-23

[21] **3,029,201**
[13] A1

[51] **Int.Cl. G01K 13/02 (2006.01)**

[25] EN

[54] **PROCESS FLUID TEMPERATURE MEASUREMENT SYSTEM WITH IMPROVED PROCESS INTRUSION**

[54] **SYSTEME DE MESURE DE TEMPERATURE DE FLUIDE DE TRAITEMENT AVEC INTRUSION DE PROCESSUS AMELIOREE**

[72] TRIMBLE, STEVEN, US
[72] RUD, JASON, US
[71] ROSEMOUNT INC., US

[85] 2018-12-21
[86] 2017-06-13 (PCT/US2017/037222)
[87] (WO2018/005082)
[30] US (15/196,569) 2016-06-29

[21] **3,029,203**
[13] A1

[51] **Int.Cl. B66D 1/00 (2006.01) B63H 9/10 (2006.01) B66D 1/08 (2006.01) B66D 1/12 (2006.01) B66D 1/14 (2006.01) B66D 1/22 (2006.01) B66D 1/28 (2006.01) B66D 1/36 (2006.01) B66D 1/38 (2006.01) B66D 1/44 (2006.01)**

[25] EN

[54] **CLUTCH MECHANISM**

[54] **MECANISME D'EMBRAYAGE**

[72] BEHRENS, RANDALL DEAN, US
[72] ROMAN, KEVIN JAMES, US
[71] PREMIER COIL SOLUTIONS, INC., US

[85] 2018-12-21
[86] 2017-06-14 (PCT/US2017/037445)
[87] (WO2017/222890)
[30] US (15/190,702) 2016-06-23

[21] **3,029,206**
[13] A1

[51] **Int.Cl. A61J 3/00 (2006.01) B65B 1/30 (2006.01)**

[25] EN

[54] **INSPECTION ASSISTANCE SYSTEM AND DRUG DISPENSER**

[54] **SYSTEME D'AIDE A L'INSPECTION ET DISTRIBUTEUR DE MEDICAMENTS**

[72] KOIKE, NAOKI, JP
[72] TANAKA, TORU, JP
[71] YUYAMA MFG. CO., LTD., JP

[85] 2018-12-14
[86] 2017-06-12 (PCT/JP2017/021645)
[87] (WO2017/217366)
[30] JP (2016-121290) 2016-06-17

[21] **3,029,207**
[13] A1

[51] **Int.Cl. A62B 9/00 (2006.01) A62B 18/08 (2006.01)**

[25] EN

[54] **RETROFIT SENSOR MODULE FOR A PROTECTIVE HEAD TOP**

[54] **MODULE DE CAPTEUR DE MODERNISATION POUR DESSUS DE TETE DE PROTECTION**

[72] EGELAND, MARC A., US
[72] AWISZUS, STEVEN T., US
[72] JENTS, CHARLES P., US
[72] JOHNSON, BENJAMIN A., US
[72] KANUKURTHY, KIRAN S., US
[72] NASH, JAMES E., US
[72] OIEN-ROCHAT, MILO G., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2018-12-20
[86] 2017-06-22 (PCT/US2017/038858)
[87] (WO2017/223376)
[30] US (15/190,310) 2016-06-23

[21] **3,029,208**
[13] A1

[51] **Int.Cl. G01D 5/353 (2006.01)**

[25] EN

[54] **FIBRE OPTIC SENSING**

[54] **DETECTION PAR FIBRES OPTIQUES**

[72] GODFREY, ALASTAIR, GB
[71] OPTASENSE HOLDINGS LIMITED, GB

[85] 2018-12-20
[86] 2017-06-19 (PCT/GB2017/051790)
[87] (WO2017/220985)
[30] GB (1610996.9) 2016-06-23

Demandes PCT entrant en phase nationale

[21] **3,029,209**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) C07K 16/46 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **CD3 BINDING ANTIBODIES**
[54] **ANTICORPS SE LIANT A CD3**
[72] TRINKLEIN, NATHAN, US
[72] VAN SCHOOTEN, WIM, US
[72] ALDRED, SHELLEY FORCE, US
[72] HARRIS, KATHERINE, US
[72] PHAM, DUY, US
[71] TENEOBIO, INC., US
[85] 2018-12-21
[86] 2017-06-20 (PCT/US2017/038373)
[87] (WO2017/223111)
[30] US (62/352,698) 2016-06-21
[30] US (62/394,360) 2016-09-14
[30] US (62/491,908) 2017-04-28

[21] **3,029,210**
[13] A1

[51] **Int.Cl. E21B 47/04 (2012.01) G01F 23/284 (2006.01) G01S 13/88 (2006.01)**
[25] EN
[54] **WELLBORE ANALYSIS USING TM01 AND TE01 MODE RADAR WAVES**
[54] **ANALYSE DE PUIITS DE FORAGE A L'AIDE D'ONDES RADAR DE MODE TM01 ET TE01**
[72] RAMACHANDRAN, SUNDER, US
[72] BABAKHANI, AYDIN, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2018-12-21
[86] 2017-06-21 (PCT/US2017/038468)
[87] (WO2018/009337)
[30] US (62/358,953) 2016-07-06

[21] **3,029,211**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD AND KIT FOR DETECTING FUSION TRANSCRIPTS**
[54] **PROCEDE ET KIT DE DETECTION DE PRODUITS DE TRANSCRIPTION DE FUSION**
[72] ZHUO, DEGEN, US
[71] ZHUO, DEGEN, US
[85] 2018-12-21
[86] 2017-06-21 (PCT/US2017/038533)
[87] (WO2017/223194)
[30] US (15/188,982) 2016-06-22

[21] **3,029,213**
[13] A1

[51] **Int.Cl. A61F 5/01 (2006.01)**
[25] EN
[54] **BRACE HINGE WITH TELESCOPING PAD**
[54] **CHARNIERE DE SUPPORT AVEC TAMPON TELESCOPIQUE**
[72] NATHANSON, JEREMY, US
[72] SIMONS, ISABEL, US
[71] DJO, LLC, US
[85] 2018-12-21
[86] 2017-06-22 (PCT/US2017/038706)
[87] (WO2017/223288)
[30] US (62/354,553) 2016-06-24
[30] US (15/629,448) 2017-06-21

[21] **3,029,216**
[13] A1

[51] **Int.Cl. G08B 23/00 (2006.01)**
[25] EN
[54] **PROXIMITY BASED FALL AND DISTRESS DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE CHUTE ET DE DETRESSE BASE SUR LA PROXIMITE**
[72] SCHWAB, DANIEL J., US
[72] GILBERT, BARRY K., US
[72] HAIDER, CLIFTON R., US
[72] VICKBERG, MARK E., US
[72] DELP, GARY S., US
[72] FELTON, CHRISTOPHER L., US
[72] ZABINSKI, PATRICK J., US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2018-12-21
[86] 2017-06-22 (PCT/US2017/038794)
[87] (WO2017/223339)
[30] US (62/354,044) 2016-06-23

[21] **3,029,217**
[13] A1

[51] **Int.Cl. A62B 9/00 (2006.01) A61F 9/06 (2006.01) A62B 18/00 (2006.01) A62B 27/00 (2006.01)**
[25] EN
[54] **INDICATING HAZARDOUS EXPOSURE IN A SUPPLIED AIR RESPIRATOR SYSTEM**
[54] **INDICATION D'EXPOSITION DANGEREUSE DANS UN SYSTEME DE RESPIRATEUR A APPROVISIONNEMENT D'AIR**
[72] AWISZUS, STEVEN T., US
[72] KANUKURTHY, KIRAN S., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-12-21
[86] 2017-06-22 (PCT/US2017/038846)
[87] (WO2017/223367)
[30] US (15/190,564) 2016-06-23

[21] **3,029,219**
[13] A1

[51] **Int.Cl. B22F 3/105 (2006.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01) B29C 64/35 (2017.01) B22F 5/10 (2006.01) F01D 25/24 (2006.01)**
[25] EN
[54] **METHODS AND MULTI-PURPOSE POWDER REMOVAL FEATURES FOR ADDITIVE MANUFACTURING**
[54] **PROCEDES ET ELEMENTS D'ELIMINATION DE POUDDRE MULTI-USAGE POUR FABRICATION ADDITIVE**
[72] MANTEIGA, JOHN ALAN, US
[72] WILSON, GREGG HUNT, US
[72] WAYMEYER, STEPHEN JOSEPH, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/038909)
[87] (WO2018/005266)
[30] US (15/200,492) 2016-07-01

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[21] **3,029,220**
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPLEMENTING A PROXIMITY LOCK USING BLUETOOTH LOW ENERGY**
[54] **SYSTEMES ET PROCEDES DE MISE EN ŒUVRE D'UN VERROU DE PROXIMITE EN UTILISANT LE BLUETOOTH A BASSE CONSOMMATION**
[72] ULBRICH, STEVEN, US
[71] JPMORGAN CHASE BANK, N.A., US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/038952)
[87] (WO2017/223411)
[30] US (62/353,848) 2016-06-23

[21] **3,029,233**
[13] A1

[51] **Int.Cl. A61K 35/50 (2015.01) C12N 5/073 (2010.01) A01N 1/02 (2006.01) A61K 31/717 (2006.01) A61K 31/722 (2006.01) A61K 31/728 (2006.01) A61K 31/731 (2006.01) A61K 38/57 (2006.01)**
[25] EN
[54] **HUMAN TISSUE DERIVED COMPOSITIONS AND USES THEREOF**
[54] **COMPOSITIONS DERIVEES DE TISSU HUMAIN ET LEURS UTILISATIONS**
[72] SINCLAIR, STEVEN MICHAEL, US
[72] DANILKOVITCH, ALLA, US
[72] SATHYAMOORTHY, MALATHI, US
[72] KUANG, JIN-QIANG, US
[72] DHALL, SANDEEP, US
[72] LIU, YISHAN, US
[72] MELCHIORRI, ANTHONY JOHN, US
[72] MOORMAN, MATTHEW ROBERT, US
[72] LO MORIELLO, MENA SCHIANO, US
[72] LERCH, ANNE ALLGOOD, US
[71] OSIRIS THERAPEUTICS, INC., US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039075)
[87] (WO2017/223494)
[30] US (62/354,466) 2016-06-24

[21] **3,029,234**
[13] A1

[51] **Int.Cl. H04N 5/232 (2006.01) G02B 27/01 (2006.01) H04N 5/225 (2006.01)**
[25] EN
[54] **IMAGE CAPTURE SYSTEMS, DEVICES, AND METHODS THAT AUTOFOCUS BASED ON EYE-TRACKING**
[54] **SYSTEMES DE CAPTURE D'IMAGES, DISPOSITIFS ET PROCEDES DE MISE AU POINT AUTOMATIQUE BASES SUR LE SUIVI DE L'OEIL**
[72] TANG, SUI TONG, CA
[71] THALMIC LABS INC., CA
[85] 2018-12-21
[86] 2017-06-30 (PCT/US2017/040323)
[87] (WO2018/005985)
[30] US (62/357,201) 2016-06-30

[21] **3,029,235**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) C12N 15/74 (2006.01)**
[25] EN
[54] **LISTERIA-BASED IMMUNOGENIC COMPOSITIONS COMPRISING WILMS TUMOR PROTEIN ANTIGENS AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS IMMUNOGENES A BASE DE LISTERIA COMPRENANT DES ANTIGENES DE PROTEINE TUMORALE DE WILMS ET PROCEDES D'UTILISATION CORRESPONDANTS**
[72] PRINCIOTTA, MICHAEL, US
[72] PETIT, ROBERT, US
[71] ADVAXIS, INC., US
[85] 2018-12-21
[86] 2017-06-30 (PCT/US2017/040459)
[87] (WO2018/009461)
[30] US (62/358,539) 2016-07-05

[21] **3,029,236**
[13] A1

[51] **Int.Cl. G01C 23/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROVIDING UNMANNED DELIVERY VEHICLES WITH EXPRESSIONS**
[54] **APPAREIL ET PROCEDE POUR FOURNIR DES EXPRESSIONS A DES VEHICULES DE LIVRAISON SANS PILOTE**
[72] HIGH, DONALD R., US
[72] KAPNER, NOAH RYAN, US
[71] WALMART APOLLO, LLC, US
[85] 2018-12-21
[86] 2017-06-30 (PCT/US2017/040177)
[87] (WO2018/005911)
[30] US (62/357,688) 2016-07-01

[21] **3,029,237**
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/00 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **NON-INVASIVE, UNIFORM AND NON-UNIFORM RF METHODS AND SYSTEMS RELATED APPLICATIONS**
[54] **APPLICATIONS LIEES A DES PROCEDES ET SYSTEMES RF NON INVASIFS, UNIFORMES ET NON UNIFORMES**
[72] BOLL, JAMES, US
[72] CHEN, BO, US
[72] WELCHES, RICHARD SHAUN, US
[72] MASSE, DANIEL, US
[72] SHAJII, ALI, US
[72] KISHINEVSKY, MICHAEL, US
[72] SONNENSHEIN, DAVID, US
[71] CYNOSURE, INC., US
[85] 2018-12-21
[86] 2017-07-03 (PCT/US2017/040585)
[87] (WO2018/006086)
[30] US (62/357,920) 2016-07-01
[30] US (62/514,778) 2017-06-02

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[21] **3,029,238**
[13] A1

[51] **Int.Cl. A61F 11/06 (2006.01) A42B 3/16 (2006.01) A61F 9/06 (2006.01)**
[25] EN
[54] **HEARING PROTECTOR WITH POSITIONAL AND SOUND MONITORING SENSORS FOR PROACTIVE SOUND HAZARD AVOIDANCE**
[54] **DISPOSITIF DE PROTECTION AUDITIVE PRESENTANT DES DETECTEURS DE POSITION ET DE SURVEILLANCE DU SON DESTINES A EVITER LES RISQUES PROACTIFS LIES AU SON**
[72] AWISZUS, STEVEN T., US
[72] KANUKURTHY, KIRAN S., US
[72] LOBNER, ERIC C., US
[72] QUINTERO, ROBERT J., US
[72] JOHNSON, MICAYLA A., US
[72] FILLOUX, MADELEINE E., US
[72] YLITALO, CAROLINE M., US
[72] MARTINSON, PAUL A., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039003)
[87] (WO2017/223451)
[30] US (15/190,564) 2016-06-23
[30] US (62/408,564) 2016-10-14

[21] **3,029,239**
[13] A1

[51] **Int.Cl. A62B 9/00 (2006.01) A61F 9/06 (2006.01) A62B 18/00 (2006.01) A62B 27/00 (2006.01)**
[25] EN
[54] **WELDING SHIELD WITH EXPOSURE DETECTION FOR PROACTIVE WELDING HAZARD AVOIDANCE**
[54] **PROTECTION DE SOUDAGE A DETECTION D'EXPOSITION SERVANT A EVITER UN DANGER DE SOUDAGE PRO-ACTIF**
[72] AWISZUS, STEVEN T., US
[72] KANUKURTHY, KIRAN S., US
[72] LOBNER, ERIC C., US
[72] QUINTERO, ROBERT J., US
[72] JOHNSON, MICAYLA A., US
[72] YLITALO, CAROLINE M., US
[72] BILLINGSLEY, BRITTON G., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039015)
[87] (WO2017/223459)
[30] US (15/190,564) 2016-06-23
[30] US (62/408,564) 2016-10-14

[21] **3,029,240**
[13] A1

[51] **Int.Cl. F16J 15/34 (2006.01) F16J 15/16 (2006.01)**
[25] EN
[54] **DRY RUNNING END FACE MECHANICAL SEAL**
[54] **JOINT MECANIQUE DE FACE D'EXTREMITE FONCTIONNANT A SEC**
[72] MARTIN, JOSE G., US
[71] FLOWSERVE MANAGEMENT COMPANY, US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039078)
[87] (WO2018/005291)
[30] US (15/194,826) 2016-06-28

[21] **3,029,242**
[13] A1

[51] **Int.Cl. C09K 8/035 (2006.01) C09K 8/506 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **DATE SEED-BASED MULTI-MODAL PARTICULATE ADMIXTURE FOR MODERATE TO SEVERE LOSS CONTROL**
[54] **MELANGE PAR ADMIXTION SOUS FORME DE PARTICULES MULTI-MODALES A BASE DE NOYAUX DE DATTE DESTINE AU COLMATAGE MODERE A GRAVE**
[72] AMANULLAH, MD, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2018-12-21
[86] 2017-07-12 (PCT/US2017/041611)
[87] (WO2018/013619)
[30] US (62/361,293) 2016-07-12
[30] US (15/436,134) 2017-02-17

[21] **3,029,243**
[13] A1

[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1455 (2006.01) A61M 1/10 (2006.01) A61M 39/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR CREATING A DIAGNOSTIC VASCULAR WINDOW**
[54] **PROCEDE ET SYSTEME DE CREATION D'UNE FENETRE VASCULAIRE DE DIAGNOSTIC**
[72] BLACK, MICHAEL, US
[72] BARRETT, LOUIS L., US
[72] KOTANKO, PETER, US
[72] KOSSMANN, ROBERT, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2018-12-21
[86] 2017-06-30 (PCT/US2017/040335)
[87] (WO2018/005993)
[30] US (62/357,184) 2016-06-30

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[21] **3,029,245**
[13] A1

[51] **Int.Cl. B65D 19/44 (2006.01) B21C 47/22 (2006.01) B60P 7/00 (2006.01) B60P 7/06 (2006.01) B60P 7/12 (2006.01) B65D 19/28 (2006.01)**

[25] EN

[54] **PIPE COIL SKID AND METHOD OF USE**

[54] **PALETTE DE SERPENTIN EN TUBE ET PROCEDE D'UTILISATION**

[72] REEDY, MAX, US
[72] WINN, ALEX, US
[72] PARKER, PETER, US
[71] FLEXSTEEL PIPELINE TECHNOLOGIES, INC., US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039104)
[87] (WO2018/005299)
[30] US (62/356,397) 2016-06-29

[21] **3,029,247**
[13] A1

[51] **Int.Cl. E21B 7/00 (2006.01) E21B 7/04 (2006.01) E21B 41/00 (2006.01) E21B 47/06 (2012.01) E21B 49/00 (2006.01)**

[25] EN

[54] **DETERMINING DIVERTER EFFECTIVENESS IN A FRACTURE WELLBORE**

[54] **DETERMINATION D'EFFICACITE DE DEFLECTEUR DANS UN Puits DE FORAGE DE FRACTURE**

[72] DAWSON, MATTHEW A., US
[72] KAMPFER, GUNTHER, US
[72] MOSSER, LUKAS, US
[71] REVEAL ENERGY SERVICES, INC., US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039105)
[87] (WO2017/223507)
[30] US (15/192,218) 2016-06-24

[21] **3,029,249**
[13] A1

[51] **Int.Cl. G01D 5/00 (2006.01) B60P 7/135 (2006.01) G01D 21/02 (2006.01) G01P 15/00 (2006.01) G01P 15/18 (2013.01) G01V 7/16 (2006.01) H01H 21/34 (2006.01)**

[25] EN

[54] **DETERMINING AN OPEN/CLOSE STATUS OF A BARRIER**

[54] **DETERMINATION D'UN ETAT D'OUVERTURE/FERMETURE D'UNE BARRIERE**

[72] CHENNAKESHU, SANDEEP, US
[72] HE, DAKE, CA
[72] GAO, YU, CA
[71] BLACKBERRY LIMITED, CA
[85] 2018-12-21
[86] 2017-07-27 (PCT/US2017/044101)
[87] (WO2018/022842)
[30] US (15/223,693) 2016-07-29

[21] **3,029,246**
[13] A1

[51] **Int.Cl. C12N 1/21 (2006.01) C12N 9/00 (2006.01) C12N 15/70 (2006.01)**

[25] EN

[54] **METHOD FOR THE MICROBIAL PRODUCTION OF SPECIFIC NATURAL CAPSAICINOIDS**

[54] **PROCEDE DE PRODUCTION MICROBIENNE DE CAPSAICINOIDES NATURELS SPECIFIQUES**

[72] CHEN, HUI, US
[72] YU, XIAODAN, US
[72] ZHOU, LANLAN, US
[72] WANG, HONGXUE, CN
[72] WANG, MIN, US
[71] CONAGEN INC., US
[85] 2018-12-21
[86] 2017-07-19 (PCT/US2017/042944)
[87] (WO2018/017772)
[30] US (62/363,951) 2016-07-19

[21] **3,029,248**
[13] A1

[51] **Int.Cl. B42D 25/355 (2014.01) D21H 15/06 (2006.01) D21H 21/40 (2006.01) D21H 21/42 (2006.01) D21H 27/00 (2006.01)**

[25] EN

[54] **SELF-DESTRUCTIVE DOCUMENTS FOR INFORMATION SECURITY AND PRIVACY PROTECTION**

[54] **DOCUMENTS AUTO-DESTRUCTIFS POUR LA SECURITE DES INFORMATIONS ET LA PROTECTION DE LA VIE PRIVEE**

[72] ESMAIL, KEMAAL, US
[71] INVALUABLE INVENTIONS, US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039109)
[87] (WO2018/005300)
[30] US (15/193,084) 2016-06-26

[21] **3,029,250**
[13] A1

[51] **Int.Cl. A63B 21/00 (2006.01) A61B 5/22 (2006.01) A63B 24/00 (2006.01) G01L 1/00 (2006.01) G05B 19/048 (2006.01)**

[25] EN

[54] **EXERCISE DEVISE SYSTEM**

[54] **SYSTEME COMMANDE PAR MICROPROCESSEUR POUR LE CONDITIONNEMENT PHYSIQUE D'ETRES HUMAINS**

[72] LEOPOLDO DA CAMARA FILHO, CARLOS ALBERTO, BR
[71] LEOPOLDO DA CAMARA FILHO, CARLOS ALBERTO, BR
[85] 2018-12-20
[86] 2017-01-24 (PCT/BR2017/000005)
[87] (WO2017/219103)
[30] BR (102016014608-9) 2016-06-21

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[51] Int.Cl. C08F 10/00 (2006.01) A61K 6/083 (2006.01) C08F 2/00 (2006.01) C08F 2/04 (2006.01) C08F 2/38 (2006.01) C08F 2/46 (2006.01) C08F 14/00 (2006.01)	[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01)	[51] Int.Cl. A01N 1/02 (2006.01) A61F 2/10 (2006.01) A61F 2/28 (2006.01) A61L 27/36 (2006.01) A61L 27/38 (2006.01) A61L 27/54 (2006.01)
[25] EN	[25] EN	[25] EN
[54] CONTROL OF POLYMER NETWORK STRUCTURES VIA NANOGELS	[54] SYSTEMS AND METHODS FOR HEALTH DATA VISUALIZATION AND USER SUPPORT TOOLS FOR CONTINUOUS GLUCOSE MONITORING	[54] VIALE LYOPHILIZED COMPOSITIONS DERIVED FROM HUMAN TISSUES AND METHODS OF MAKING THE SAME
[54] CONTROLE DE STRUCTURES DE RESEAUX POLYMERES PAR L'INTERMEDIAIRE DE NANOGELS	[54] SYSTEMES ET PROCEDES POUR VISUALISATION DE DONNEES DE SANTE ET OUTILS DE SUPPORT D'UTILISATEUR POUR LA SURVEILLANCE CONTINUE DU GLUCOSE	[54] COMPOSITIONS LYOPHILISEES VIABLES OBTENUES A PARTIR DE TISSUS HUMAINS, ET LEURS PROCEDES DE FABRICATION
[72] STANSBURY, JEFFREY W., US	[72] CABRERA, ESTEBAN, US	[72] SINCLAIR, STEVEN MICHAEL, US
[72] NAIR, DEVATHA P., US	[72] ARMENTA, LAUREN DANIELLE, US	[72] DANILKOVITCH, ALLA, US
[72] LEWIS, STEVEN H., US	[72] BELLIVEAU, SCOTT M., US	[72] SATHYAMOORTHY, MALATHI, US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US	[72] BLACKWELL, JENNIFER, US	[72] KUANG, JIN-QIANG, US
[85] 2018-12-21	[72] BOWMAN, LEIF N., US	[72] DHALL, SANDEEP, US
[86] 2017-06-23 (PCT/US2017/039111)	[72] DRAEGER, RIAN, US	[72] MELCHIORRI, ANTHONY JOHN, US
[87] (WO2017/223511)	[72] GARCIA, ARTURO, US	[71] OSIRIS THERAPEUTICS, INC., US
[30] US (62/354,049) 2016-06-23	[72] GOLDSMITH, TIMOTHY JOSEPH, US	[85] 2018-12-21
	[72] GRAY, JOHN MICHAEL, US	[86] 2017-06-23 (PCT/US2017/039123)
	[72] JACKSON, ANDREW JEAN, US	[87] (WO2017/223520)
	[72] KAMATH, APURV ULLAS, US	[30] US (62/354,362) 2016-06-24
	[72] KOEHLER, KATHERINE YERRE, US	
	[72] KRAMER, PAUL, US	[21] 3,029,254 [13] A1
	[72] MANDAPAKA, ADITYA SAGAR, US	[51] Int.Cl. A01N 63/00 (2006.01) C12N 1/21 (2006.01) C12N 15/00 (2006.01) C12N 15/11 (2006.01)
	[72] MENSINGER, MICHAEL ROBERT, US	[25] EN
	[72] MIKAMI, SUMITAKA, US	[54] METHODS FOR GENERATING BARCODED COMBINATORIAL LIBRARIES
	[72] MORRIS, GARY A., US	[54] PROCEDES PERMETTANT DE GENERER DES BIBLIOTHEQUES COMBINATOIRES A CODE A BARRES
	[72] NIRMAL, HEMANT MAHENDRA, US	[72] GILL, RYAN T., US
	[72] NOBLE-CAMPBELL, PAUL, US	[72] GARST, ANDREW, US
	[72] PUPA, PHILIP THOMAS, US	[72] LIPSCOMB, TANYA ELIZABETH WARNECKE, US
	[72] REIHMAN, ELI, US	[72] BASSALO, MARCELO COLIKA, US
	[72] SIMPSON, PETER C., US	[72] ZEITOUN, RAMSEY IBRAHIM, US
	[72] SMITH, BRIAN CHRISTOPHER, US	[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
	[72] WILEY, ATHIM JOSEPH, US	[71] INSCRIPTA, INC., US
	[71] DEXCOM, INC., US	[85] 2018-12-21
	[85] 2018-12-21	[86] 2017-06-23 (PCT/US2017/039146)
	[86] 2017-08-10 (PCT/US2017/046343)	[87] (WO2017/223538)
	[87] (WO2018/031803)	[30] US (62/354,516) 2016-06-24
	[30] US (62/374,539) 2016-08-12	[30] US (62/367,386) 2016-07-27
		[30] US (62/483,930) 2017-04-10

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[21] **3,029,255**
[13] A1

[51] **Int.Cl. E21B 1/02 (2006.01) C21B 7/12 (2006.01)**
[25] EN
[54] **PNEUMATIC DRILLING DEVICE**
[54] **DISPOSITIF DE FORAGE PNEUMATIQUE**
[72] CARNER, BRAYTON, US
[71] BERRY METAL COMPANY, US
[85] 2018-12-21
[86] 2017-06-26 (PCT/US2017/039287)
[87] (WO2017/223562)
[30] US (62/354,141) 2016-06-24

[21] **3,029,256**
[13] A1

[51] **Int.Cl. A61K 31/357 (2006.01) C07C 15/24 (2006.01)**
[25] EN
[54] **IMMUNOMODULATOR COMPOUNDS**
[54] **COMPOSES IMMUNOMODULATEURS**
[72] LANGE, CHRISTOPHER, US
[72] MALATHONG, VIENGGHAM, US
[72] MCMURTRIE, DARREN J., US
[72] PUNNA, SREENIVAS, US
[72] SINGH, RAJINDER, US
[72] YANG, JU, US
[72] ZHANG, PENGLIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2018-12-21
[86] 2017-06-26 (PCT/US2017/039313)
[87] (WO2018/005374)
[30] US (62/355,119) 2016-06-27
[30] US (62/440,100) 2016-12-29

[21] **3,029,257**
[13] A1

[51] **Int.Cl. A61C 17/22 (2006.01) A46B 9/04 (2006.01) A61C 17/02 (2006.01) A61C 17/20 (2006.01) A61C 17/34 (2006.01)**
[25] EN
[54] **DEVICE FOR CLEANING TEETH**
[54] **DISPOSITIF DE NETTOYAGE DE DENTS**
[72] MUSIALEK, MARVIN, AT
[71] AMABRUSH GMBH, AT
[85] 2018-12-24
[86] 2017-07-19 (PCT/AT2017/060179)
[87] (WO2018/014061)
[30] AT (A 50648/2016) 2016-07-19

[21] **3,029,258**
[13] A1

[51] **Int.Cl. H04N 21/45 (2011.01) H04N 21/44 (2011.01)**
[25] EN
[54] **PRESENTATION OF CONTENT ITEMS SYNCHRONIZED WITH MEDIA DISPLAY**
[54] **PRESENTATION D'ELEMENTS DE CONTENU SYNCHRONISEE AVEC UN AFFICHAGE MULTIMEDIA**
[72] JONES, CHRISTOPHER WILLIAM, US
[72] D'ARCY, MARK GERARD, US
[72] LEE, JI BYOL, US
[71] FACEBOOK, INC., US
[85] 2018-12-21
[86] 2017-07-24 (PCT/US2017/043529)
[87] (WO2018/022507)
[30] US (15/218,319) 2016-07-25

[21] **3,029,259**
[13] A1

[51] **Int.Cl. A24F 17/00 (2006.01)**
[25] EN
[54] **CIGARETTE PAPER BOOKLET, CIGARETTE PAPER BOOKLET INSERT, MODULAR CIGARETTE PAPER PACKAGING SYSTEM, PRODUCT PACKAGING COMBINATION AND MANUFACTURING PROCESS FOR A CIGARETTE PAPER BOOKLET**
[54] **PAQUET DE PAPIER A CIGARETTES, INSERT POUR PAQUET DE PAPIER A CIGARETTES, SYSTEME MODULAIRE D'EMBALLAGE DE PAPIER A CIGARETTES, EMBALLAGE GROUPE DE PRODUITS, ET PROCEDE DE FABRICATION D'UN PAQUET DE PAPIER A CIGARETTES**
[72] MULLER-PROVENZANO, MARKUS, DE
[71] GIZEH RAUCHERBEDARF GMBH, DE
[85] 2018-12-24
[86] 2017-06-19 (PCT/EP2017/064940)
[87] (WO2018/001777)
[30] DE (10 2016 111 802.8) 2016-06-28

[21] **3,029,260**
[13] A1

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **GENERATOR AND A CATHETER WITH AN ELECTRODE AND A METHOD FOR TREATING A LUNG PASSAGEWAY**
[54] **GENERATEUR ET CATHETER POURVU D'UNE ELECTRODE ET PROCEDE POUR TRAITER UNE VOIE PULMONAIRE**
[72] WALDSTREICHER, JONATHAN REUBEN, US
[72] KRIMSKY, WILLIAM SANFORD, US
[72] ZARINS, DENISE MARIE, US
[72] BEETEL, ROBERT J., III, US
[72] FRIEDRICH, PAUL BRIAN, US
[72] TAYLOR, KEVIN JAMES, US
[72] TUROVSKIY, ROMAN, US
[72] LONG, GARY L., US
[71] GALA THERAPEUTICS, INC., US
[71] WALDSTREICHER, JONATHAN REUBEN, US
[71] KRIMSKY, WILLIAM SANFORD, US
[71] ZARINS, DENISE MARIE, US
[71] BEETEL, ROBERT J., III, US
[71] FRIEDRICH, PAUL BRIAN, US
[71] TAYLOR, KEVIN JAMES, US
[71] TUROVSKIY, ROMAN, US
[71] LONG, GARY L., US
[85] 2018-12-21
[86] 2017-06-27 (PCT/US2017/039527)
[87] (WO2018/005511)
[30] US (62/355,164) 2016-06-27
[30] US (62/489,753) 2017-04-25

[21] **3,029,262**
[13] A1

[51] **Int.Cl. A61K 31/517 (2006.01) A61K 31/395 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **QUINAZOLINE AND INDOLE COMPOUNDS TO TREAT MEDICAL DISORDERS**
[54] **COMPOSES DE QUINAZOLINE ET D'INDOLE DESTINES AU TRAITEMENT DE TROUBLES MEDICAUX**
[72] WILES, JASON ALLAN, US
[72] PHADKE, AVINASH, US
[71] ACHILLION PHARMACEUTICALS, INC., US
[85] 2018-12-21
[86] 2017-06-27 (PCT/US2017/039587)
[87] (WO2018/005552)
[30] US (62/355,273) 2016-06-27
[30] US (62/471,799) 2017-03-15

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[21] **3,029,263**
[13] A1

[51] **Int.Cl. C12N 9/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MAKING BENZYLISOQUINOLINE ALKALOIDS, MORPHINAN ALKALOIDS, THEBAINE, AND DERIVATIVES THEREOF**

[54] **COMPOSITIONS ET PROCEDES DE FABRICATION D'ALCALOIDES DE BENZYLISOQUINOLINE, D'ALCALOIDES DE MORPHINANE, DE THEBAINE ET DE DERIVES DE CEUX-CI**

[72] FACCHINI, PETER JAMES, CA
[72] CHEN, XUE, CA
[72] COLBECK, JEFFREY C., US
[72] TUCKER, JOSEPH, CA
[71] INTREXON CORPORATION, US
[71] SERTURNER CORP., CA
[85] 2018-12-21
[86] 2017-06-27 (PCT/US2017/039589)
[87] (WO2018/005553)
[30] US (62/355,022) 2016-06-27
[30] US (62/433,431) 2016-12-13
[30] US (62/438,540) 2016-12-23
[30] US (62/438,601) 2016-12-23
[30] US (62/438,702) 2016-12-23
[30] US (62/438,588) 2016-12-23
[30] US (62/438,695) 2016-12-23
[30] US (62/469,006) 2017-03-09
[30] US (62/514,104) 2017-06-02

[21] **3,029,265**
[13] A1

[51] **Int.Cl. H03M 13/00 (2006.01)**
[25] EN
[54] **RATE MATCHING FOR BLOCK ENCODING**

[54] **ADAPTATION DE DEBIT POUR CODAGE DE BLOCS**

[72] XU, CHANGLONG, US
[72] LI, JIAN, US
[72] WEI, CHAO, US
[72] HOU, JILEI, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-12-24
[86] 2017-06-12 (PCT/CN2017/087888)
[87] (WO2018/028294)
[30] CN (PCT/CN2016/094374) 2016-08-10

[21] **3,029,267**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ORDER DISTRIBUTION**

[54] **DISPOSITIF ET PROCEDE DE DISTRIBUTION D'ORDRES**

[72] SONG, LICONG, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-24
[86] 2017-09-14 (PCT/CN2017/101776)
[87] (WO2018/076951)
[30] CN (201610930788.5) 2016-10-31

[21] **3,029,268**
[13] A1

[51] **Int.Cl. B60P 1/44 (2006.01) B62D 53/00 (2006.01) B66F 9/06 (2006.01) F41H 7/00 (2006.01)**

[25] EN
[54] **TUGGER TRAIN TRAILER, TRANSPORT SYSTEM, AND TRANSPORT METHOD**

[54] **REMORQUE POUR TRAIN DE REMORQUES DE MANUTENTION ET SYSTEME DE TRANSPORT, AINSI QUE PROCEDE DE TRANSPORT**

[72] PACKEISER, ANDREAS, DE
[72] BERGHAMMER, FRITZ, DE
[71] LR INTRALOGISTIK GMBH, DE
[85] 2018-12-24
[86] 2017-06-22 (PCT/EP2017/065432)
[87] (WO2018/019495)
[30] DE (10 2016 113 972.6) 2016-07-28

[21] **3,029,270**
[13] A1

[51] **Int.Cl. A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 5/02 (2018.01)**

[25] EN
[54] **ORNAMENTAL PLANT DISPLAYING COMPACTED PLANT GROWTH**

[54] **PLANTE D'ORNEMENT PRESENTANT UNE CROISSANCE DE PLANTE COMPACTEE**

[72] LANG, CHUNTING, NL
[71] DUMMEN GROUP B.V., NL
[85] 2018-12-24
[86] 2017-06-22 (PCT/EP2017/065455)
[87] (WO2018/001870)
[30] NL (2017054) 2016-06-27

[21] **3,029,275**
[13] A1

[51] **Int.Cl. F42B 15/01 (2006.01) F42B 10/46 (2006.01) F42B 30/00 (2006.01) G06F 15/78 (2006.01) G06F 15/80 (2006.01) H05K 7/14 (2006.01) H05K 7/20 (2006.01) F42B 19/00 (2006.01)**

[25] EN
[54] **NOSE CONE COMPRISING ELECTRONIC CIRCUIT BOARDS ARRANGED RADIALLY**

[54] **AGENCEMENT DE CONE DE NEZ COMPRENANT DES CARTES DE CIRCUIT ELECTRONIQUE DISPOSEES RADIALEMENT**

[72] MOORE, GARY, ROY, GB
[72] BICKNELL, PAUL, GB
[71] BAE SYSTEMS PLC, GB
[85] 2018-12-24
[86] 2017-06-16 (PCT/GB2017/051759)
[87] (WO2018/002580)
[30] GB (1611199.9) 2016-06-28
[30] EP (16275091.3) 2016-06-28

[21] **3,029,288**
[13] A1

[51] **Int.Cl. G01N 35/00 (2006.01) G01N 35/02 (2006.01) G01N 35/10 (2006.01) G01N 35/04 (2006.01)**

[25] EN
[54] **INTEGRATED APPARATUS FOR DIAGNOSTIC ANALYSES**

[54] **APPAREIL INTEGRE POUR ANALYSES DE DIAGNOSTIC**

[72] GALIANO, PAOLO, IT
[71] ALIFAX S.R.L., IT
[85] 2018-12-24
[86] 2017-07-04 (PCT/IB2017/054022)
[87] (WO2018/007939)
[30] IT (102016000069410) 2016-07-04

[21] **3,029,290**
[13] A1

[51] **Int.Cl. B60J 11/04 (2006.01)**

[25] EN
[54] **HAND-HELD MAGNETIC CLAMPING DEVICE FOR CAR COVERS**

[54] **DISPOSITIF DE SERRAGE MAGNETIQUE PORTATIF POUR HOUSSES DE VOITURE**

[72] BROWN, RONALD W., US
[71] BROWN, RONALD W., US
[85] 2018-12-24
[86] 2017-08-31 (PCT/IB2017/055253)
[87] (WO2018/042374)
[30] US (62/381,738) 2016-08-31

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[21] **3,029,295**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **BANKING SYSTEM, METHOD AND PROGRAM FOR CREDIT CONTROL FOR STRUCTURED FINANCE**
[54] **SYSTEME BANCAIRE, PROCEDE ET PROGRAMME DE CONTROLE DE CREDIT POUR FINANCEMENT STRUCTURE**
[72] UGAJIN, KIYONORI, JP
[72] ONISHI, KAZUSHIGE, JP
[72] NISHINO, SHINICHIRO, JP
[72] MIZUGUCHI, TAKUYA, JP
[71] SUMITOMO MITSUI BANKING CORPORATION, JP
[85] 2018-12-24
[86] 2015-06-26 (PCT/JP2015/003236)
[87] (WO2016/207931)

[21] **3,029,298**
[13] A1

[51] **Int.Cl. G06F 12/0897 (2016.01) H04L 29/08 (2006.01)**
[25] EN
[54] **MULTITIER CACHE FRAMEWORK**
[54] **STRUCTURE DE MEMOIRE CACHE A PLUSIEURS NIVEAUX**
[72] BUSAYARAT, SATA, US
[72] LUTZ, JONATHAN DAVID, US
[72] GAY, ALLEN ARTHUR, US
[72] QI, MEI, US
[71] HOME BOX OFFICE, INC., US
[85] 2018-12-24
[86] 2017-05-26 (PCT/US2017/034746)
[87] (WO2017/205782)
[30] US (15/167,321) 2016-05-27

[21] **3,029,301**
[13] A1

[51] **Int.Cl. C07C 41/01 (2006.01) C08H 7/00 (2011.01) C07C 43/23 (2006.01) C07G 1/00 (2011.01) C07H 9/04 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF MONOMERS FROM LIGNIN DURING DEPOLYMERISATION OF LIGNOCELLULOSE-CONTAINING COMPOSITION**
[54] **PRODUCTION DE MONOMERES A PARTIR DE LIGNINE PENDANT LA DEPOLYMERISATION D'UNE COMPOSITION CONTENANT DE LA LIGNOCELLULOSE**
[72] LUTERBACHER, JEREMY SCOTT, CH
[72] SHUAI, LI, CH
[71] ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL), CH
[85] 2018-10-11
[86] 2017-04-12 (PCT/EP2017/058743)
[87] (WO2017/178513)
[30] EP (16165180.7) 2016-04-13

[21] **3,029,302**
[13] A1

[51] **Int.Cl. G06F 12/00 (2006.01) G06F 12/0871 (2016.01)**
[25] EN
[54] **CACHED DATA REPURPOSING**
[54] **REORIENTATION DE DONNEES EN CACHE**
[72] GAY, ALLEN ARTHUR, US
[71] HOME BOX OFFICE, INC., US
[85] 2018-12-24
[86] 2017-05-26 (PCT/US2017/034753)
[87] (WO2017/205787)
[30] US (15/167,288) 2016-05-27

[21] **3,029,307**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 7/10 (2006.01)**
[25] FR
[54] **METHOD FOR CARRYING OUT AN INVENTORY OF A PLURALITY OF BIOLOGICAL CONTAINERS AND ASSOCIATED GANTRY**
[54] **PROCEDE DE MISE EN OEUVRE D'UN INVENTAIRE D'UNE PLURALITE DE CONTENEURS BIOLOGIQUES ET PORTIQUE ASSOCIE**
[72] MONGRENIER, JEAN-CLAUDE, FR
[71] BIOLOG-ID, FR
[85] 2018-12-27
[86] 2016-10-24 (PCT/EP2016/075511)
[87] (WO2018/001535)
[30] FR (1656321) 2016-07-01

[21] **3,029,309**
[13] A1

[51] **Int.Cl. A61M 31/00 (2006.01) A61M 5/142 (2006.01)**
[25] EN
[54] **A SYSTEM FOR INNER EAR DRUG DELIVERY VIA TRANS-ROUND WINDOW MEMBRANE INJECTION**
[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT DANS L'OREILLE INTERNE PAR L'INTERMEDIAIRE D'UNE INJECTION A TRAVERS LA MEMBRANE DE LA FENETRE RONDE**
[72] KIM, ERNEST, US
[72] MCKENNA, MICHAEL, US
[72] KIRINGODA, RUWAN, US
[71] THE CHARLES STARK DRAPER LABORATORY INC., US
[71] MASS EYE AND EAR INFIRMARY, US
[85] 2018-12-24
[86] 2017-06-21 (PCT/US2017/038532)
[87] (WO2017/223193)
[30] US (62/353,324) 2016-06-22

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[21] **3,029,313**
[13] A1

[51] **Int.Cl. A61K 8/67 (2006.01) A61K 8/9789 (2017.01) A61K 8/44 (2006.01) A61K 8/49 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **METHOD OF SKIN CARE**

[54] **PROCEDE DE SOIN DE LA PEAU**

[72] SITARAM, ANESHKUMAR
DINESHCHANDRA, GB

[72] HICKS, JAKE THOMAS, GB

[72] TOMLINSON, PAUL JAMES, GB

[72] BELL, MICHAEL DAVID, GB

[71] THE BOOTS COMPANY PLC, GB

[85] 2018-12-27

[86] 2017-06-27 (PCT/EP2017/025182)

[87] (WO2018/001570)

[30] GB (1611413.4) 2016-06-30

[21] **3,029,315**
[13] A1

[51] **Int.Cl. A61K 31/7068 (2006.01) A61K 9/127 (2006.01) A61K 31/675 (2006.01) A61K 31/7064 (2006.01) A61K 31/7072 (2006.01) A61K 31/7076 (2006.01) A61P 31/12 (2006.01) A61P 31/20 (2006.01) C07H 19/06 (2006.01) C07H 19/10 (2006.01)**

[25] EN

[54] **PHOSPHORAMIDATES FOR THE TREATMENT OF HEPATITIS B VIRUS**

[54] **PHOSPHORAMIDATES POUR LE TRAITEMENT DU VIRUS DE L'HEPATITE B**

[72] DE LA ROSA, ABEL, US

[72] PAINTER, GEORGE, US

[72] BLUEMLING, GREGORY R., US

[71] EMORY UNIVERSITY, US

[85] 2018-12-24

[86] 2017-06-23 (PCT/US2017/038963)

[87] (WO2017/223421)

[30] US (62/354,471) 2016-06-24

[21] **3,029,316**
[13] A1

[51] **Int.Cl. A61G 13/00 (2006.01) A61G 15/00 (2006.01)**

[25] EN

[54] **BIRTH ASSISTING MODULE AND BIRTHING FURNITURE**

[54] **MODULE D'AIDE A LA NAISSANCE ET MEUBLE POUR ACCOUCHEMENT**

[72] VON SIEBENTHAL, TOBIAS
NICOLAS, CH

[72] PETERS, SOPHIA ANNA BELLA, CH

[72] SCHNELL, PASCAL ANDRE, CH

[71] VIBWIFE GMBH, CH

[85] 2018-12-27

[86] 2017-06-16 (PCT/EP2017/064769)

[87] (WO2018/007127)

[30] EP (16178747.8) 2016-07-08

[21] **3,029,319**
[13] A1

[51] **Int.Cl. A61K 31/498 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61P 27/16 (2006.01)**

[25] EN

[54] **METHOD AND PROCESS FOR QUANTITATIVE EVALUATION OF PHARMACOKINETICS, THERAPEUTIC EFFECTS AND SAFETY OF DELIVERY OF DRUG COMPOUNDS TO THE INNER EAR FOR TREATMENT OF AUDITORY DISEASES**

[54] **METHODE ET PROCEDE D'EVALUATION QUANTITATIVE DE LA PHARMACOCINETIQUE, DES EFFETS THERAPEUTIQUES ET DE LA SECURITE D'ADMINISTRATION DE COMPOSES MEDICAMENTEUX DANS L'OREILLE INTERNE POUR LE TRAITEMENT DE MALADIES AUDITIVES**

[72] BORENSTEIN, JEFFREY T., US

[72] PARARAS, ERIN, US

[72] KIM, ERNEST S., US

[72] TANDON, VISHAL, US

[72] AYOOB, ANDREW, US

[72] MCKENNA, MICHAEL, US

[72] SEWELL, WILLIAM, US

[72] PEPPi, MARCELLO, US

[72] WEINBERG, MARC, US

[72] LANGER, ROBERT, US

[71] THE CHARLES STARK DRAPER LABORATORY INC., US

[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US

[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US

[85] 2018-12-24

[86] 2017-06-23 (PCT/US2017/039090)

[87] (WO2017/223498)

[30] US (62/353,676) 2016-06-23

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[21] **3,029,320**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01) C12P 19/34 (2006.01)**
[25] EN
[54] **NUCLEIC ACID SYNTHESIS AND SEQUENCING USING TETHERED NUCLEOSIDE TRIPHOSPHATES**
[54] **SYNTHESE ET SEQUENCAGE D'ACIDE NUCLEIQUE EN UTILISANT DES NUCLEOSIDES TRIPHOSPHATES FIXES**
[72] ARLOW, DANIEL, US
[72] PALLUK, SEBASTIAN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2018-12-24
[86] 2017-06-23 (PCT/US2017/039120)
[87] (WO2017/223517)
[30] US (62/354,635) 2016-06-24

[21] **3,029,322**
[13] A1

[51] **Int.Cl. A01M 7/00 (2006.01) A01B 79/00 (2006.01) A01N 25/00 (2006.01) G09B 29/00 (2006.01)**
[25] EN
[54] **METHOD FOR PEST CONTROL**
[54] **PROCEDE DE LUTTE CONTRE DES BIOAGRESSEURS**
[72] HOFFMANN, HOLGER, DE
[72] PETERS, OLE, DE
[72] GRUNEBERG, ELEEN, DE
[72] JOHNNEN, ANDREAS, DE
[72] GIRG, ANDREE-GEORG, DE
[71] BASF SE, DE
[85] 2018-12-27
[86] 2017-06-23 (PCT/EP2017/065536)
[87] (WO2018/001893)
[30] EP (16176650.6) 2016-06-28
[30] EP (16185502.8) 2016-08-24

[21] **3,029,325**
[13] A1

[51] **Int.Cl. C07C 209/68 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING ANILINE OR AN ANILINE DERIVATIVE**
[54] **PROCEDE DE PREPARATION D'ANILINE OU D'UN PRODUIT DERIVE DE L'ANILINE**
[72] JAGER, GERNOT, DE
[72] HAMEDINGER, THOMAS, DE
[72] LOLLI, GIULIO, DE
[72] MOUSSA, AMGAD SALAH, DE
[72] OLF, GUENTER, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2018-12-27
[86] 2017-06-27 (PCT/EP2017/065913)
[87] (WO2018/002088)
[30] EP (16177000.3) 2016-06-29

[21] **3,029,321**
[13] A1

[51] **Int.Cl. C08K 3/36 (2006.01) C08K 5/06 (2006.01) C08K 5/20 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITION, ITS MANUFACTURE AND USE**
[54] **COMPOSITION DE CAOUTCHOUC, SA FABRICATION ET SON UTILISATION**
[72] HUEFFER, STEPHAN, DE
[72] NIMTZ, FRITZ, DE
[72] FESSENBECKER, ACHIM, DE
[72] GARCIA MARCOS, ALEJANDRA, DE
[71] BASF SE, DE
[85] 2018-12-27
[86] 2017-06-19 (PCT/EP2017/064918)
[87] (WO2018/001772)
[30] EP (16176688.6) 2016-06-28

[21] **3,029,324**
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) F04B 15/02 (2006.01) F04B 47/06 (2006.01) F04B 49/10 (2006.01)**
[25] EN
[54] **A METHOD FOR PROVIDING WELL SAFETY CONTROL IN A REMEDIAL ELECTRONIC SUBMERSIBLE PUMP (ESP) APPLICATION**
[54] **PROCEDE DESTINE A FOURNIR UNE COMMANDE DE SECURITE DE Puits DANS UNE APPLICATION DE POMPE SUBMERSIBLE ELECTRONIQUE (ESP) CORRECTIVE**
[72] KELBIE, MICHAEL GRAEME, US
[72] BUSSEAR, TERRY, US
[72] BAY, LARS, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[71] AKER SOLUTIONS INC., US
[85] 2018-12-24
[86] 2017-06-26 (PCT/US2017/039220)
[87] (WO2018/005333)
[30] US (62/354,914) 2016-06-27

[21] **3,029,326**
[13] A1

[51] **Int.Cl. G01N 3/303 (2006.01) A41D 19/015 (2006.01)**
[25] EN
[54] **GLOVE IMPACT RESISTANCE TESTING**
[54] **TEST DE RESISTANCE AUX CHOCS D'UN GANT**
[72] TAYLOR, DALIA, US
[72] TRAINER, WILLIAM, US
[72] FUNK, ANDREW, US
[72] FISHER, ANGELA, US
[71] WELLS LAMONT INDUSTRY GROUP LLC, US
[85] 2018-12-24
[86] 2017-06-26 (PCT/US2017/039225)
[87] (WO2017/223550)
[30] US (62/354,419) 2016-06-24

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[21] **3,029,327**
[13] A1

[51] **Int.Cl. C08F 2/02 (2006.01) C08L 9/00 (2006.01)**
[25] EN
[54] **BULKPOLYMERISATION PROCESS FOR THE PREPARATION OF POLYDIENES**
[54] **PROCEDE DE POLYMERISATION EN MASSE POUR LA PREPARATION DE POLYDIENES**
[72] VATER, MARCUS, DE
[72] WENDLER, ULRICH, DE
[72] BARTKE, MICHAEL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2018-12-27
[86] 2017-06-29 (PCT/EP2017/066196)
[87] (WO2018/002256)
[30] EP (16177220.7) 2016-06-30

[21] **3,029,328**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **HETERODIMERIC ANTIBODIES THAT BIND SOMATOSTATIN RECEPTOR 2**
[54] **ANTICORPS HETERODIMERIQUES QUI SE LIENT AU RECEPTEUR 2 DE LA SOMATOSTATINE**
[72] MOORE, GREGORY, US
[72] RASHID, RUMANA, US
[72] LEE, SUNG-HYUNG, US
[72] FOSTER, PAUL, US
[71] XENCOR, INC., US
[85] 2018-12-24
[86] 2017-06-28 (PCT/US2017/039840)
[87] (WO2018/005706)
[30] US (62/355,821) 2016-06-28
[30] US (62/355,820) 2016-06-28
[30] US (62/397,322) 2016-09-20
[30] US (62/481,065) 2017-04-03

[21] **3,029,329**
[13] A1

[51] **Int.Cl. C08G 18/08 (2006.01) A61L 15/58 (2006.01) A61L 24/04 (2006.01) C08G 18/10 (2006.01) C08G 18/12 (2006.01) C08G 18/38 (2006.01) C08G 18/48 (2006.01) C08G 18/72 (2006.01) C08G 18/73 (2006.01) C08G 18/75 (2006.01) C08G 18/79 (2006.01) C09J 175/02 (2006.01) C09J 175/08 (2006.01) C09J 175/12 (2006.01)**
[25] EN
[54] **CONTACT ADHESIVE PRODUCT BASED ON POLYURETHANE RESIN, PRODUCTION THEREOF, AND CORRESPONDING CONTACT ADHESIVE**
[54] **PRODUIT ADHESIF DE CONTACT A BASE DE POLYURETHANE-UREE, SA PREPARATION ET ADHESIF DE CONTACT CORRESPONDANT**
[72] DORR, SEBASTIAN, DE
[72] WEISER, MARC-STEPHAN, DE
[72] PLUG, SASCHA, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2018-12-27
[86] 2017-06-29 (PCT/EP2017/066197)
[87] (WO2018/002257)
[30] EP (16177190.2) 2016-06-30

[21] **3,029,330**
[13] A1

[51] **Int.Cl. C10G 9/20 (2006.01) C10G 9/00 (2006.01)**
[25] EN
[54] **CRACKING FURNACE**
[54] **FOUR DE CRAQUAGE**
[72] OUD, PETER, NL
[72] MAHMOUDI NAMARVAR, ESMAEIL, NL
[72] VAN GOETHEM, MARCO, NL
[71] TECHNIP FRANCE S.A.S., FR
[85] 2018-12-27
[86] 2017-06-30 (PCT/EP2017/066331)
[87] (WO2018/002330)
[30] GB (1611573.5) 2016-07-01

[21] **3,029,331**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 31/201 (2006.01) A61K 31/202 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] VON CORSWANT, CHRISTIAN, SE
[72] BORDES, ROMAIN, SE
[72] HJELM JONASSON, SIMON PETER MICHAEL, SE
[71] ASTRAZENECA AB, SE
[85] 2018-12-27
[86] 2017-07-06 (PCT/EP2017/066983)
[87] (WO2018/015175)
[30] GB (1611920.8) 2016-07-08

[21] **3,029,332**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C07K 16/26 (2006.01) G01N 33/53 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PDGF-CC INHIBITION**
[54] **PROCEDES ET COMPOSITIONS POUR L'INHIBITION DU PDGF-CC**
[72] ERIKSSON, ULF, SE
[72] LI, HONG, SE
[72] SCOTT, ANDREW, AU
[72] ALLAN, LAURA, AU
[71] LUDWIG INSTITUTE FOR CANCER RESEARCH LTD, CH
[71] PARACRINE THERAPEUTICS AB, SE
[85] 2018-12-24
[86] 2017-06-30 (PCT/US2017/040170)
[87] (WO2018/005904)
[30] US (62/357,536) 2016-07-01

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[21] **3,029,333**
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/4439 (2006.01) A61P 21/00 (2006.01)**

[25] EN

[54] **SOLID FORMS OF AN SGC STIMULATOR**

[54] **FORMES SOLIDES D'UN STIMULATEUR DE LA GCS**

[72] SETHURAMAN, VASU, US

[72] HASHASH, AHMAD, US

[72] XUE, SONG, US

[72] LIVINGSTON, ROBERT C., US

[72] NTI-ADDAE, KWAME WIREDU, US

[71] IRONWOOD PHARMACEUTICALS, INC., US

[85] 2018-12-24

[86] 2017-07-06 (PCT/US2017/040827)

[87] (WO2018/009609)

[30] US (62/359,466) 2016-07-07

[21] **3,029,336**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/08 (2009.01)**

[25] EN

[54] **CO-EXISTENCE OF RELIABLE LOW LATENCY AND OTHER SERVICES IN A WIRELESS NETWORK**

[54] **COEXISTENCE DE SERVICES FIABLES A FAIBLE LATENCE ET D'AUTRES SERVICES DANS UN RESEAU SANS FIL**

[72] XU, HAO, US

[72] GAAL, PETER, US

[72] JIANG, JING, US

[72] SUN, HAITONG, US

[72] BHUSHAN, NAGA, US

[72] JI, TINGFANG, US

[72] ZENG, WEI, US

[72] PATEL, SHIMMAN ARVIND, US

[71] QUALCOMM INCORPORATED, US

[85] 2018-12-24

[86] 2017-08-03 (PCT/US2017/045225)

[87] (WO2018/026991)

[30] US (62/371,063) 2016-08-04

[30] US (15/667,201) 2017-08-02

[21] **3,029,338**
[13] A1

[51] **Int.Cl. E21B 19/00 (2006.01) E21B 19/14 (2006.01) G08B 21/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR MONITORING PIPE-RETAINING STRUCTURES**

[54] **SYSTEME DE SURVEILLANCE DE STRUCTURES DE RETENUE DE TUBES**

[72] RICE, HUBERT LEE, II, US

[71] RICE ELECTRONICS, LP, US

[85] 2018-12-24

[86] 2017-08-30 (PCT/US2017/049425)

[87] (WO2018/045059)

[30] US (62/381,822) 2016-08-31

[30] US (62/413,672) 2016-10-27

[30] US (15/689,717) 2017-08-29

[21] **3,029,339**
[13] A1

[51] **Int.Cl. B29C 53/04 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURE OF A LINEAR PANEL**

[54] **PROCEDE DE FABRICATION D'UN PANNEAU LINEAIRE**

[72] LANGEVELD, MICHIEL JACOBUS JOHANNES, NL

[72] STEENBERGEN, RALPH, NL

[72] DE GOEIJ, HANS KURT, NL

[71] HUNTER DOUGLAS INDUSTRIES B.V., NL

[85] 2018-12-27

[86] 2017-07-07 (PCT/EP2017/067126)

[87] (WO2018/007600)

[30] NL (1041974) 2016-07-08

[21] **3,029,340**
[13] A1

[51] **Int.Cl. C08L 23/04 (2006.01) C08K 3/04 (2006.01)**

[25] EN

[54] **SEMICONDUCTIVE SHIELD FREE OF WELD LINES AND PROTRUSIONS**

[54] **BLINDAGE SEMI-CONDUCTEUR EXEMPT DE LIGNES DE SOUDURE ET DE PROTUBERANCES**

[72] SONG, XIAOMEI, CN

[72] CHEN, HONGYU, CN

[72] SUN, YABIN, CN

[72] WU, YOUJUN, CN

[72] LI, WEI, CN

[72] MIAO, XIAOXIONG, CN

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2018-12-27

[86] 2016-06-30 (PCT/CN2016/087870)

[87] (WO2018/000314)

[21] **3,029,341**
[13] A1

[51] **Int.Cl. C10G 1/00 (2006.01) C08J 11/04 (2006.01) C10B 53/07 (2006.01) C10L 1/00 (2006.01)**

[25] EN

[54] **PLANT AND PROCESS FOR PYROLYSIS OF MIXED PLASTIC WASTE**

[54] **INSTALLATION ET PROCEDE DE PYROLYSE DE DECHETS PLASTIQUES MIXTES**

[72] PELTEKIS, KON, AU

[72] KUMBLE, BALA, AU

[72] ASTILL, CRAIG, AU

[71] FUTURE ENERGY INVESTMENTS PTY LTD, AU

[85] 2018-12-27

[86] 2017-06-30 (PCT/AU2017/050682)

[87] (WO2018/000050)

[30] AU (2016902564) 2016-06-30

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[13] A1

[51] **Int.Cl. F25B 41/04 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **MULTI-SPLIT SYSTEM AND CONTROL METHOD THEREOF**
[54] **SYSTEME MUSTI-SPLIT ET METHODE DE COMMANDE ASSOCIEE**
[72] YANG, GUOZHONG, CN
[72] YANG, KUN, CN
[71] GD MIDEA HEATING & VENTILATING EQUIPMENT CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2018-12-27
[86] 2017-06-23 (PCT/CN2017/089771)
[87] (WO2018/001183)
[30] CN (201610505572.4) 2016-06-28

[21] **3,029,343**
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/444 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **CHEMICAL COMPOUND OF ISOCITRATE DEHYDROGENASE INHIBITOR, AND APPLICATION THEREOF**
[54] **COMPOSE CHIMIQUE D'INHIBITEUR DE L'ISOCITRATE DESHYDROGENASE ET SON APPLICATION**
[72] WANG, YONG, CN
[72] ZHAO, LIWEN, CN
[72] LIU, XIAORONG, CN
[72] ZHANG, YAN, CN
[72] HUANG, DANDAN, CN
[72] JIANG, CHUNHUAN, CN
[72] SHI, XINSHENG, CN
[72] GU, HONGFENG, CN
[72] PANG, SILIN, CN
[72] HAI, WEI, CN
[72] GE, BINGYANG, CN
[71] NANJING SANHOME PHARMACEUTICAL CO., LTD., CN
[85] 2018-12-27
[86] 2017-07-20 (PCT/CN2017/093597)
[87] (WO2018/014852)
[30] CN (201610580910.0) 2016-07-21

[21] **3,029,344**
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01)**
[25] EN
[54] **DRILLING ENERGY CALCULATION BASED ON TRANSIENT DYNAMICS SIMULATION AND ITS APPLICATION TO DRILLING OPTIMIZATION**
[54] **CALCUL D'ENERGIE DE FORAGE BASE SUR UNE SIMULATION DE DYNAMIQUE TRANSITOIRE ET SON APPLICATION A L'OPTIMISATION DU FORAGE**
[72] CHEN, WEI, US
[72] HARMER, RICHARD JOHN, US
[72] DONG, YANI, CN
[72] SHEN, YUELIN, US
[72] HUANG, SUJIAN, CN
[72] BOGATH, CHRISTOPHER, US
[72] BIN, CHANHUI, CN
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-12-27
[86] 2016-06-29 (PCT/CN2016/087548)
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[51] **Int.Cl. H01M 8/0656 (2016.01) C02F 1/00 (2006.01) C25B 1/04 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **RENEWABLE ENERGY SYSTEM**
[54] **SYSTEME D'ENERGIE RENOUVELABLE**
[72] MILOS, MARVIN, CA
[71] MILOS, MARVIN, CA
[85] 2018-12-27
[86] 2017-06-27 (PCT/CA2017/000162)
[87] (WO2018/000078)
[30] CA (2933996) 2016-06-27

[21] **3,029,346**
[13] A1

[51] **Int.Cl. G08B 13/24 (2006.01)**
[25] EN
[54] **BIOSENSITIVE PERIMETER AND USING METHOD THEREOF**
[54] **PERIMETRE DE DETECTION BIOLOGIQUE ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] SUN, JIANHUA, CN
[71] SUN, JIANHUA, CN
[85] 2018-12-27
[86] 2017-06-22 (PCT/CN2017/089506)
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[30] CN (201610506976.5) 2016-06-29

[21] **3,029,347**
[13] A1

[51] **Int.Cl. E05B 65/08 (2006.01) E05B 15/10 (2006.01) E05B 63/14 (2006.01)**
[25] EN
[54] **LOCK CAPABLE OF LOCKING MOVABLE DOOR**
[54] **VERROU APTE A VERROUILLER UNE PORTE MOBILE**
[72] KE, ZHIJIE, CN
[72] LIANG, PEIQUAN, CN
[71] GUANGDONG ARCHIE HARDWARE CO., LTD., CN
[85] 2018-12-27
[86] 2017-10-16 (PCT/CN2017/106392)
[87] (WO2018/223578)
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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) A61B 5/00 (2006.01)**
[25] EN
[54] **INTRAOPERATIVE MEDICAL IMAGING METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'IMAGERIE MEDICALE PEROPERATOIRE**
[72] JAGGA, ARUN VICTOR, CA
[72] MAK, SIU WAI JACKY, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-12-27
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[51] **Int.Cl. A23L 3/3418 (2006.01) A23L 3/3409 (2006.01) A61L 2/20 (2006.01)**
[25] EN
[54] **FORCED AIR OZONE REACTOR FOR MICROBIAL REDUCTION**
[54] **REACTEUR A OZONE A AIR FORCE DESTINE A UNE REDUCTION MICROBIENNE**
[72] MOYER, PAUL, CA
[72] VANDERVEEN, MARK, CA
[71] HARPC SOLUTIONS INC., CA
[85] 2018-12-27
[86] 2017-07-06 (PCT/CA2017/050821)
[87] (WO2018/010014)
[30] US (62/362,779) 2016-07-15
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[21] **3,029,365**
[13] A1
[51] **Int.Cl. H01T 2/02 (2006.01) H01T 1/20 (2006.01)**
[25] FR
[54] **POWER AMPLIFICATION DEVICE**
[54] **DISPOSITIF D'AMPLIFICATION DE PUISSANCE**
[72] DELCHAMBRE, MICHAEL, FR
[72] PECQUOIS, ROMAIN, FR
[72] INNOCENTI, NICOLAS, FR
[72] GENEZ, DAVID, FR
[71] ENE29 S.AR.L., LU
[85] 2018-12-24
[86] 2017-06-23 (PCT/EP2017/065581)
[87] (WO2018/001905)
[30] FR (1656005) 2016-06-28

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[13] A1
[51] **Int.Cl. G09B 15/06 (2006.01) A63B 23/16 (2006.01)**
[25] EN
[54] **EXERCISE DISC FOR STRENGTHENING THE FINGERS**
[54] **DISQUE D'ENTRAINEMENT UTILISE POUR FORTIFIER LES DOIGTS**
[72] LIN, YIMING, DE
[71] LIN, YIMING, DE
[85] 2018-12-27
[86] 2017-08-22 (PCT/DE2017/000271)
[87] (WO2018/036577)
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[30] DE (20 2016 005 316.8) 2016-08-24

[21] **3,029,364**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G08G 1/01 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSPORTATION SERVICE SAFETY ASSESSMENT**
[54] **SYSTEME ET PROCEDES PERMETTANT L'EVALUATION DE SECURITE DE SERVICE DE TRANSPORT**
[72] LI, BINGYE, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
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[86] 2018-06-15 (PCT/CN2018/091435)
[87] (WO2018/233558)
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[51] **Int.Cl. G02B 27/01 (2006.01)**
[25] EN
[54] **HEAD MOUNTED DISPLAY
GOGGLES FOR USE WITH
MOBILE COMPUTING DEVICES**
[54] **LUNETTES D'AFFICHAGE
FACIAL A UTILISER AVEC DES
DISPOSITIFS INFORMATIQUES
MOBILES**
[72] LYONS, FRANKLIN A., US
[71] MERGE LABS, INC., US
[22] 2015-02-18
[41] 2015-08-27
[62] 2,938,895
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[30] US (62/060,996) 2014-10-07

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[13] A1

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[25] EN
[54] **MOTION SENSING DOCK
LIGHTING SYSTEMS**
[54] **SYSTEMES D'ECLAIRAGE DE
QUAI A DETECTION DE
MOUVEMENT**
[72] DONDLINGER, JASON, US
[72] KORMAN, JOE, US
[72] MCNEIL, MATTHEW, US
[72] PARUCH, LUCAS, US
[72] OLSON, ANDY, US
[72] SNYDER, RONALD, US
[72] WAUGAMAN, CHARLES, US
[72] WIEGEL, AARON, US
[71] RITE-HITE HOLDING
CORPORATION, US
[22] 2014-01-29
[41] 2014-08-14
[62] 2,898,859
[30] US (13/762,916) 2013-02-08

[21] **3,027,871**
[13] A1

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6/00 (2006.01) B62D 51/04 (2006.01)
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[25] EN
[54] **A MOTORISED TRUCK WITH
TILLER**
[54] **CHARIOT MOTORISE DOTE
D'UNE BARRE DE DIRECTION**
[72] MCVICAR, MARTIN, IE
[72] MOFFETT, ROBERT, IE
[72] WHYTE, MARK, IE
[71] COMBILIFT, IE
[22] 2012-09-04
[41] 2014-03-13
[62] 2,883,909

[21] **3,027,880**
[13] A1

[51] **Int.Cl. E02F 3/36 (2006.01)**
[25] EN
[54] **A SYSTEM FOR LIMITING
CONTACT BETWEEN A DIPPER
AND A SHOVEL BOOM**
[54] **SYSTEME SERVANT A LIMITER
LE CONTACT ENTRE UN GODET
ET UNE FLECHE DE PELLE**
[72] TAYLOR, WESLEY P., US
[71] JOY GLOBAL SURFACE MINING
INC, US
[22] 2011-10-20
[41] 2012-04-20
[62] 2,755,743
[30] US (12/908,638) 2010-10-20

[21] **3,027,883**
[13] A1

[51] **Int.Cl. G10L 19/018 (2013.01) G10L
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[25] EN
[54] **DOWN-MIXING COMPENSATION
FOR AUDIO WATERMARKING**
[54] **COMPENSATION DE MIXAGE
REDUCTEUR POUR MISE EN
PLACE D'UN FILIGRANE AUDIO**
[72] SRINIVASAN, VENUGOPAL, US
[72] TOPCHY, ALEXANDER, US
[71] THE NIELSEN COMPANY (US),
LLC, US
[22] 2014-03-05
[41] 2014-10-09
[62] 2,875,367
[30] US (13/793,962) 2013-03-11

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[13] A1

[51] **Int.Cl. H04W 12/08 (2009.01) H04W
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G06F 21/32 (2013.01) G06F 21/40
(2013.01)**
[25] EN
[54] **AUTHENTICATION IN
UBIQUITOUS ENVIRONMENT**
[54] **AUTHENTIFICATION DANS UN
ENVIRONNEMENT
OMNIPRESENT**
[72] CHOI, UNHO, KR
[71] CHOI, UNHO, KR
[22] 2015-04-23
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[13] A1

[51] **Int.Cl. A61B 17/12 (2006.01) A61B 17/00 (2006.01) A61F 2/06 (2013.01)**

[25] EN

[54] **DEVICES AND METHODS FOR THE TREATMENT OF VASCULAR DEFECTS**

[54] **DISPOSITIFS ET METHODES POUR LE TRAITEMENT D'ANOMALIES VASCULAIRES**

[72] ABOYTES, MARIA, US

[72] ROSQUETA, ARTURO S., US

[71] MEDINA MEDICAL, INC., US

[22] 2013-03-14

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[30] US (13/421,122) 2012-03-15

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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/14 (2006.01) A61M 5/36 (2006.01) A61M 39/22 (2006.01) F04B 1/06 (2006.01) F04B 27/067 (2006.01)**

[25] EN

[54] **INTRAVENOUS PISTON PUMP DISPOSABLE AND MECHANISM**

[54] **POMPE A PISTON D'INTRA VEINEUSE JETABLE ET MECANISME**

[72] FRANKS, BRETT H., US

[71] CAREFUSION 303, INC., US

[22] 2010-05-26

[41] 2010-12-02

[62] 2,762,828

[30] US (12/472,710) 2009-05-27

[21] **3,027,962**
[13] A1

[51] **Int.Cl. G06F 16/93 (2019.01) G06K 9/62 (2006.01)**

[25] EN

[54] **DIGITAL IMAGE ARCHIVING AND RETRIEVAL USING A MOBILE DEVICE SYSTEM**

[54] **ARCHIVAGE ET EXTRACTION D'IMAGES NUMERIQUES AU MOYEN D'UN SYSTEME DE DISPOSITIF MOBILE**

[72] CHAUDHURY, KRISHNENDU, IN

[72] GARG, ASHUTOSH, US

[72] PHUKAN, PRASENJIT, US

[72] SARAF, ARVIND, IN

[71] GOOGLE LLC, US

[22] 2007-11-28

[41] 2008-06-05

[62] 2,671,025

[30] US (11/564,823) 2006-11-29

[21] **3,027,974**
[13] A1

[51] **Int.Cl. A61K 49/00 (2006.01) A61K 31/5415 (2006.01) A61K 51/04 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **THERAPEUTIC USE OF DIAMINOPHENOTHIAZINES.**

[54] **UTILISATION THERAPEUTIQUE DE DIAMINOPHENOTHIAZINES.**

[72] HARRINGTON, CHARLES ROBERT, GB

[72] STOREY, JOHN MERVYN DAVID, GB

[72] WISCHIK, CLAUDE MICHEL, GB

[72] WISCHIK, DAMON JUDE, GB

[71] WISTA LABORATORIES LTD., SG

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[25] EN

[54] **METHOD AND SYSTEM FOR PATIENT-SPECIFIC MODELING OF BLOOD FLOW**

[54] **PROCEDE ET SYSTEME DE MODELISATION DU DEBIT SANGUIN SPECIFIQUE D'UN PATIENT**

[72] TAYLOR, CHARLES A., US

[72] FONTE, TIMOTHY A., US

[72] CHOI, GILWOO, US

[72] BAI, YING, US

[72] ZARINS, CHRISTOPHER K., US

[71] HEARTFLOW, INC., US

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[30] US (61/402,308) 2010-08-26

[30] US (61,402,345) 2010-08-27

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[21] **3,028,044**
[13] A1

[51] **Int.Cl. A47B 47/04 (2006.01) A47B 96/20 (2006.01) B27F 1/00 (2006.01) B32B 3/06 (2006.01) F16B 12/04 (2006.01) F16S 1/02 (2006.01)**

[25] EN

[54] **COMPOSED ELEMENT, MULTI-LAYERED BOARD AND PANEL-SHAPED ELEMENT FOR FORMING THIS COMPOSED ELEMENT**

[54] **ELEMENT COMPOSE, CONTREPLAQUE MULTIPLIS ET ELEMENT EN FORME DE PLANNEAU POUR FORMER LEDIT ELEMENT COMPOSE**

[72] MAERTENS, LUC, BE

[72] CAPPELLE, MARK, BE

[72] VANHASTEL, LUC, BE

[72] DEMAN, LUC, BE

[72] VAN HOOYDONCK, GUY, BE

[71] UNILIN, BVBA, BE

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[62] 2,741,588

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[30] US (61/175,596) 2009-05-05

[30] DE (20 2009 008 825.1) 2009-06-26

[21] **3,028,046**
[13] A1

[51] **Int.Cl. A61G 1/02 (2006.01) A61G 1/04 (2006.01) A61G 1/056 (2006.01) A61G 3/02 (2006.01)**

[25] EN

[54] **AUTOMATED SYSTEMS FOR POWERED COTS**

[54] **SYSTEMES AUTOMATISES DESTINES A DES LITS PLIANTS ELECTRIQUES**

[72] VALENTINO, NICHOLAS V., US

[72] PALASTRO, MATTHEW, US

[72] SHEN, ZHEN Y., US

[72] WELLS, TIMOTHY R., US

[72] SCHROEDER, TIMOTHY PAUL, US

[72] MARKHAM, JOSHUA JAMES, US

[72] POTAK, ROBERT L., US

[71] FERNO-WASHINGTON, INC., US

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[13] A1

[51] **Int.Cl. F16L 19/04 (2006.01) F16L 19/10 (2006.01)**
[25] EN
[54] **CONDUIT FITTING WITH PULL-UP INDICATION**
[54] **RACCORD POUR TUBES ET TUYAUX**
[72] WILLIAMS, PETER C., US
[72] BERRY, TOBIN, US
[72] CARLSON, GEORGE A., US
[72] MARSHALL, ANDREW P., US
[72] CLASON, MARK A., US
[72] BENNETT, MARK A., US
[72] MOGHE, SANJEEV S., US
[71] SWAGELOK COMPANY, US
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[41] 2005-11-10
[62] 2,860,068
[30] US (60/564,358) 2004-04-22
[30] US (60/633,885) 2004-12-07

[21] **3,028,071**
[13] A1

[51] **Int.Cl. H04H 60/72 (2009.01) H04H 20/57 (2009.01) H04H 20/71 (2009.01) H04N 21/482 (2011.01)**
[25] EN
[54] **METHODS FOR PHONETIC INFORMATION SIGNALING**
[54] **PROCEDES DE SIGNALISATION D'INFORMATIONS PHONETIQUES**
[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
[22] 2015-09-24
[41] 2016-04-07
[62] 2,958,531
[30] US (62/059,704) 2014-10-03
[30] US (62/068,131) 2014-10-24

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[13] A1

[51] **Int.Cl. E04H 13/00 (2006.01) A61G 17/00 (2006.01)**
[25] EN
[54] **MODULAR CRYPT AND MODULAR CRYPT SYSTEM WITH NICHE SIDE WALL**
[54] **CRYPTE MODULAIRE ET SYSTEME DE CRYPTÉ MODULAIRE A PAROI LATÉRALE POURVUE D'UNE NICHE**
[72] YOUNG, CHARLES T., US
[72] BRIDGEMAN, KENNETH B., US
[71] MATTHEWS RESOURCES, INC., US
[22] 2011-12-23
[41] 2012-07-10
[62] 2,762,740
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[13] A1

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[25] EN
[54] **ORALLY ADMINISTRABLE FORMULATION**
[54] **FORMULATION ADMINISTRABLE ORALEMENT**
[72] GREENSPOON, ALLEN, CA
[71] GREENSPOON, ALLEN, CA
[22] 2016-07-28
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[62] 2,937,471

[21] **3,028,172**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/958 (2013.01) A61M 25/10 (2013.01) A61M 29/02 (2006.01)**
[25] EN
[54] **INFLATABLE MEDICAL DEVICES**
[54] **DISPOSITIFS MEDICAUX GONFLABLES**
[72] BARHAM, MITCHELL C., US
[72] DREYER, PAUL J., US
[72] GOMES, GARRETT J., US
[72] KURNIAWAN, JONATHAN, US
[72] LOVE, CHARLES S., US
[72] SCHEEFF, MARK C., US
[72] TILSON, ALEXANDER Q., US
[71] LOMA VISTA MEDICAL, INC., US
[22] 2012-01-18
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[30] US (61/433,896) 2011-01-18
[30] US (61/486,720) 2011-05-16

[21] **3,028,179**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01)**
[25] FR
[54] **DEVICE FOR CONTROLLING A BLOOD FLOW PRODUCED IN A HEMORRHAGIC AREA**
[54] **DISPOSITIF POUR LE CONTROLE D'UN ECOULEMENT SANGUIN SE PRODUISANT DANS UNE ZONE HEMORRAGIQUE**
[72] BLIN, DOMINIQUE, FR
[71] UNIVERSITE JOSEPH FOURIER, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE GRENOBLE, FR
[22] 2011-07-13
[41] 2012-01-19
[62] 2,805,085
[30] FR (10/55736) 2010-07-13

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[21] **3,028,191**
[13] A1

[51] **Int.Cl. H04N 21/4363 (2011.01) H04H 60/82 (2009.01) H04N 21/472 (2011.01) H04N 21/482 (2011.01)**

[25] EN

[54] **REALTIME BROADCAST STREAM AND CONTROL DATA CONVERSION SYSTEM AND METHOD**

[54] **FLUX DE DIFFUSION EN TEMPS REEL, ET SYSTEME ET PROCEDE DE CONVERSION DES DONNEES DE CONTROLE**

[72] BILLINGSLEY, DEREK J.T., CA

[72] MCNEILL, JARED D., CA

[72] HIGGINS, SEAN G., CA

[72] FURLONG, JEFFREY L., CA

[71] ENCORE INTERACTIVE INC., CA

[22] 2011-05-10

[41] 2011-11-10

[30] US (61/333,234) 2010-05-10

[21] **3,028,200**
[13] A1

[51] **Int.Cl. H04H 60/31 (2009.01) H04N 21/258 (2011.01) H04N 21/4408 (2011.01) H04W 4/21 (2018.01) H04L 12/16 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS TO COLLECT DISTRIBUTED USER INFORMATION FOR MEDIA IMPRESSIONS AND SEARCH TERMS**

[54] **PROCEDES ET APPAREIL DE COLLECTE D'INFORMATIONS D'UTILISATEUR DISTRIBUEES RELATIVES A DES IMPRESSIONS DE SUPPORT D'INFORMATIONS ET A DES TERMES DE RECHERCHE**

[72] ALLA, MADHUSUDHAN REDDY, US

[72] GAYNOR, KEVIN K., US

[72] SHIVAMPET, BRAHMANAND REDDY, US

[72] SPLAINE, STEVEN J., US

[72] BOSWORTH, ALAN N., US

[71] THE NIELSEN COMPANY (US), LLC, US

[22] 2014-12-02

[41] 2015-07-09

[62] 2,932,256

[30] US (61/922,584) 2013-12-31

[30] US (14/261,085) 2014-04-24

[21] **3,028,209**
[13] A1

[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/19 (2006.01) A61K 39/395 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **FORMULATION FOR ANTI-ALPHA.4.BETA.7 ANTIBODY**

[54] **FORMULATION POUR UN ANTICORPS ANTI-A4S7**

[72] DILUZIO, WILLOW, US

[72] TRUONG, NOBEL T., US

[72] VARGA, CSANAD M., US

[72] PALANIAPPAN, VAITHIANATHAN, US

[72] BROWN, JASON, US

[72] FOX, IRVING H., US

[72] SCHOLZ, CATHERINE, US

[71] MILLENNIUM PHARMACEUTICALS, INC., US

[22] 2012-05-02

[41] 2012-11-08

[62] 2,834,867

[30] US (61/481,533) 2011-05-02

[30] US (61/550,545) 2011-10-24

[30] US (61/585,859) 2012-01-12

[21] **3,028,212**
[13] A1

[51] **Int.Cl. B66B 5/18 (2006.01) B66B 7/06 (2006.01)**

[25] EN

[54] **LIFT INSTALLATION WITH CAR AND COUNTERWEIGHT**

[54] **APPAREIL D'ELEVATION A CABINE ET CONTREPOIDS**

[72] HUSMANN, JOSEF, CH

[71] INVENTIO AG, CH

[22] 2011-12-09

[41] 2012-06-21

[62] 2,819,799

[30] EP (10195785.0) 2010-12-17

[21] **3,028,273**
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 9/32 (2006.01) H04L 12/22 (2006.01)**

[25] EN

[54] **CYBERSECURITY SYSTEM**

[54] **SYSTEME DE CYBERSECURITE**

[72] HARRIS, BRYAN C., US

[72] GOODWIN, GLEN R., US

[72] DYER, SEAN RILEY, US

[72] BOAKYE, ALEXIUS KOFI AMEYAW, JR., US

[72] SMITH, CHRISTOPHER FRANCIS, US

[72] TELANG, PANKAJ RAMESH, US

[72] HERRICK, DAMIAN TANE, US

[71] SAS INSTITUTE INC., US

[22] 2017-02-24

[41] 2017-08-31

[62] 3,015,521

[30] US (62/299,834) 2016-02-25

[30] US (62/434,186) 2016-12-14

[21] **3,028,277**
[13] A1

[51] **Int.Cl. G01N 1/28 (2006.01) A61B 10/02 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD AND DEVICE FOR TISSUE-BASED DIAGNOSIS**

[54] **SYSTEME, PROCEDE ET DISPOSITIF DE DIAGNOSTIC A PARTIR DE TISSU**

[72] MITRAGOTRI, SAMIR, US

[72] OGURA, MAKOTO, US

[72] PALIWAL, SUMIT, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[22] 2010-02-12

[41] 2010-08-19

[62] 2,752,617

[30] US (61/152,585) 2009-02-13

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[21] **3,028,279**
[13] A1

[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/12 (2015.01)**
[25] EN
[54] **MAPC THERAPEUTICS WITHOUT ADJUNCTIVE IMMUNOSUPPRESSIVE TREATMENT**
[54] **TRAITEMENT A BASE DE MAPC SANS RECOURS A UN TRAITEMENT IMMUNOSUPPRESSEUR D'APPOINT**
[72] MAYS, ROBERT W., US
[72] DEANS, ROBERT J., US
[71] ATHERSYS, INC., US
[22] 2007-01-23
[41] 2007-08-02
[62] 2,642,887
[30] US (60/760,951) 2006-01-23

[21] **3,028,283**
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **AUTOMATIC GAME PLAY**
[54] **JOUABILITE AUTOMATIQUE**
[72] LUTNICK, HOWARD W., US
[72] ALDERUCCI, DEAN P., US
[72] GELMAN, GEOFFREY M., US
[71] CFPH, LLC, US
[22] 2008-02-29
[41] 2008-09-01
[62] 2,623,765
[30] US (11/680,764) 2007-03-01

[21] **3,028,295**
[13] A1

[51] **Int.Cl. B62B 17/02 (2006.01) B62D 55/04 (2006.01)**
[25] EN
[54] **QUICK-RELEASE ATV SKIS**
[54] **SKIS DE VTT A POSE RAPIDE**
[72] RIVARD, GREGORY A., US
[71] RIVARD, GREGORY A., US
[22] 2011-04-20
[41] 2011-10-20
[62] 2,737,681
[30] US (61/326,217) 2010-04-20
[30] US (13/027,231) 2011-02-14

[21] **3,028,296**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/55 (2013.01) H04L 12/22 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **CYBERSECURITY SYSTEM**
[54] **SYSTEME DE CYBERSECURITE**
[72] HARRIS, BRYAN C., US
[72] GOODWIN, GLEN R., US
[72] DYER, SEAN RILEY, US
[72] BOAKYE, ALEXIUS KOFI AMEYAW, JR., US
[72] SMITH, CHRISTOPHER FRANCIS, US
[72] TELANG, PANKAJ RAMESH, US
[72] HERRICK, DAMIAN TANE, US
[71] SAS INSTITUTE INC., US
[22] 2017-02-24
[41] 2017-08-31
[62] 3,015,521
[30] US (62/299,834) 2016-02-25
[30] US (62/434,186) 2016-12-14

[21] **3,028,297**
[13] A1

[51] **Int.Cl. A01K 5/02 (2006.01) A01K 5/00 (2006.01) B25J 5/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS VEHICLE FOR PUSHING FEED, METHODS AND SYSTEMS THEREOF**
[54] **VEHICULE AUTONOME SERVANT A POUSSER LA MATIERE PREMIERE, METHODES ET SYSTEMES ASSOCIES**
[72] LECLAIR, FRANCIS, CA
[72] LECLERC, PASCAL, CA
[72] DURAND, MARC-ANTOINE, CA
[72] FLEURENT, RICHARD, CA
[72] THERRIEN, YVON, CA
[72] MALLERET, JEAN-PIERRE, CA
[72] ROUSSEAU, KEVIN, CA
[72] ROUSSEAU, VICTOR, CA
[72] ROUSSEAU, MARTIN, CA
[72] BEAUREGARD, CLAUDE, CA
[72] MARCOTTE, MARJOLAINE, CA
[71] ROVIBEC INC., CA
[22] 2017-10-26
[41] 2017-12-28
[62] 2,983,986

[21] **3,028,315**
[13] A1

[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/12 (2015.01) A61P 37/06 (2006.01)**
[25] EN
[54] **IMMUNOMODULATORY PROPERTIES OF MULTIPOTENT ADULT PROGENITOR CELLS AND USES THEREOF**
[54] **PROPRIETES IMMUNOMODULATOIRES DE CELLULES PARENTES ADULTES MULTIPOTENTES ET UTILISATIONS DE CELLES-CI**
[72] DEANS, ROBERT, US
[72] VAN'T HOF, WOUTER, US
[72] MAZIARZ, RICHARD, US
[72] KOVACSOVICS, MAGDALENA, US
[72] STREETER, PHILIP, US
[71] ATHERSYS, INC., US
[71] OREGON HEALTH AND SCIENCE UNIVERSITY, US
[22] 2006-11-09
[41] 2007-05-18
[62] 2,628,254
[30] US (11/269,736) 2005-11-09

[21] **3,028,321**
[13] A1

[51] **Int.Cl. A61K 35/28 (2015.01) A61K 35/12 (2015.01) A61P 9/10 (2006.01)**
[25] EN
[54] **MAPC TREATMENT OF BRAIN INJURIES AND DISEASES**
[54] **TRAITEMENT A BASE DE MAPC DE LESIONS ET DE MALADIES CEREBRALES**
[72] BORLONGAN, CESAR V., US
[72] CARROLL, JAMES E., US
[72] DEANS, ROBERT J., US
[72] HESS, DAVID C., US
[72] MAYS, ROBERT W., US
[71] ATHERSYS, INC., US
[71] AUGUSTA UNIVERSITY RESEARCH INSTITUTE, INC., US
[22] 2007-01-23
[41] 2007-08-02
[62] 2,642,826
[30] US (60/760,951) 2006-01-23

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[21] **3,028,401**
[13] A1

[51] **Int.Cl. A61K 35/34 (2015.01) A61K 9/10 (2006.01) A61L 27/36 (2006.01) A61P 9/00 (2006.01) C12M 3/00 (2006.01) C12N 5/077 (2010.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR CARDIAC THERAPY**

[54] **COMPOSITIONS ET METHODES UTILISEES POUR LE TRAITEMENT CARDIAQUE**

[72] CHRISTMAN, KAREN, US

[72] DEQUACH, JESSICA, US

[72] KINSEY, ADAM, US

[72] SINGELYN, JENNIFER, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[71] VENTRIX, INC., US

[22] 2011-08-24

[41] 2012-03-01

[62] 2,808,225

[30] US (61/376,654) 2010-08-24

[21] **3,028,408**
[13] A1

[51] **Int.Cl. E04H 4/12 (2006.01) A61H 33/00 (2006.01) A63B 69/12 (2006.01)**

[25] EN

[54] **METHOD FOR PROVIDING SWIM-IN-PLACE FUNCTIONALITY IN A BATHING UNIT SYSTEM AND CONTROL SYSTEM IMPLEMENTING SAME**

[54] **METHODE D'AMELIORATION DE LA FONCTIONNALITE DE NAGE SUR PLACE DANS UN SYSTEME DE MODULE DE BAIN ET DISPOSITIF DE COMMANDE DE MISE EN PLACE DE LADITE METHODE**

[72] BROCHU, CHRISTIAN, CA

[72] LAFLAMME, BENOIT, CA

[72] MATTAR, BRIGIDE, CA

[71] GECKO ALLIANCE GROUP INC., CA

[22] 2015-10-09

[41] 2017-04-09

[62] 2,908,249

[21] **3,028,416**
[13] A1

[51] **Int.Cl. G01N 1/00 (2006.01) B81B 3/00 (2006.01) C12M 1/34 (2006.01) C12Q 1/68 (2018.01) G01N 1/38 (2006.01) G01N 27/327 (2006.01) G01N 27/416 (2006.01) G01N 33/48 (2006.01) G01N 33/543 (2006.01) G01N 37/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETECTION AND QUANTIFICATION OF ANALYTES**

[54] **SYSTEMES ET PROCEDES POUR LA DETECTION ET LA QUANTIFICATION D'ANALYTES**

[72] KHATTAK, AYUB, US

[72] SEVER, CLINTON, US

[71] CUE HEALTH INC., US

[22] 2014-03-11

[41] 2014-10-09

[62] 2,904,135

[30] US (61/776,254) 2013-03-11

[21] **3,028,453**
[13] A1

[51] **Int.Cl. C07D 493/22 (2006.01) A61K 31/357 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **INTERMEDIATES FOR THE PREPARATION OF ANALOGS OF HALICHONDRIN B**

[54] **INTERMEDIAIRES POUR LA PREPARATION D'ANALOGUES D'HALICHONDRINE B**

[72] BENAYOUD, FARID, US

[72] CALKINS, TREVOR LEE, US

[72] CHASE, CHARLES E., US

[72] CHRIST, WILLIAM, US

[71] EISAI R&D MANAGEMENT CO., LTD., JP

[22] 2005-06-03

[41] 2005-12-15

[62] 2,935,786

[30] US (60/576,642) 2004-06-03

[30] US (60/626,769) 2004-11-10

[30] US (60/663,300) 2005-03-18

[21] **3,028,466**
[13] A1

[51] **Int.Cl. B65D 30/18 (2006.01)**

[25] EN

[54] **STAND-UP BAG**

[54] **SAC TENANT DEBOUT**

[72] DAIS, BRIAN C., US

[72] PORCHIA, JOSE, US

[72] WEISS, ANDREW S., US

[72] QURESHI, SALEEM, US

[72] DHALL, SANJAY, US

[72] BURGGREN, KEEGAN E., US

[71] S.C. JOHNSON & SON, INC., US

[22] 2015-03-11

[41] 2015-09-17

[62] 2,936,557

[30] US (14/204,075) 2014-03-11

[30] US (14/535,667) 2014-11-07

[21] **3,028,468**
[13] A1

[51] **Int.Cl. B65D 1/02 (2006.01)**

[25] EN

[54] **SYNTHETIC RESIN BOTTLE**

[54] **BOUTEILLE EN RESINE SYNTHETIQUE**

[72] SAITO, HIROMICHI, JP

[72] OSHINO, TADAYOSHI, JP

[72] ASARI, TSUTOMU, JP

[71] YOSHINO KOGYOSHO CO., LTD., JP

[22] 2009-11-18

[41] 2010-06-03

[62] 2,943,758

[30] JP (2008-302002) 2008-11-27

[30] JP (2009-111633) 2009-04-30

[30] JP (2009-196789) 2009-08-27

[21] **3,028,472**
[13] A1

[51] **Int.Cl. H04N 21/258 (2011.01) H04H 60/33 (2009.01)**

[25] EN

[54] **METHODS AND APPARATUS TO MONITOR MEDIA PRESENTATIONS**

[54] **PROCEDES ET APPAREIL DE SURVEILLANCE DE PRESENTATIONS MULTIMEDIAS**

[72] ALLA, MADHUSUDHAN REDDY, US

[72] RAMASWAMY, ARUN, US

[71] THE NIELSEN COMPANY (US), LLC, US

[22] 2014-04-16

[41] 2014-10-23

[62] 2,875,429

[30] US (61/813,019) 2013-04-17

[30] US (13/963,737) 2013-08-09

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[21] **3,028,490**
[13] A1

[51] **Int.Cl. H04N 21/43 (2011.01) H04N 21/258 (2011.01) H04N 21/436 (2011.01)**
[25] EN
[54] **METHODS AND APPARATUS TO VERIFY AND/OR CORRECT MEDIA LINEUP INFORMATION**
[54] **PROCEDES ET APPAREIL DE VERIFICATION ET/OU DE CORRECTION D'INFORMATIONS D'IDENTIFICATION DE MEDIA**
[72] MCMILLAN, F. GAVIN, US
[71] THE NIELSEN COMPANY (US), LLC, US
[22] 2014-12-02
[41] 2015-06-25
[62] 2,932,253
[30] US (61/918,513) 2013-12-19
[30] US (14/473,639) 2014-08-29

[21] **3,028,566**
[13] A1

[51] **Int.Cl. G03G 15/04 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPEMENT**
[72] UESUGI, TETSUO, JP
[72] HAYASHIDA, MAKOTO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,028,569**
[13] A1

[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPEMENT**
[72] UESUGI, TETSUO, JP
[72] HAYASHIDA, MAKATO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,028,564**
[13] A1

[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPEMENT**
[72] UESUGI, TETSUO, JP
[72] HAYASHIDA, MAKOTO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
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[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,028,567**
[13] A1

[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPEMENT**
[72] UESUGI, TETSUO, JP
[72] HAYASHIDA, MAKOTO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (023071) 2016-02-09

[21] **3,028,570**
[13] A1

[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPEMENT**
[72] UESUGI, TETSUO, JP
[72] HAYASHIDA, MAKOTO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

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[21] **3,028,571**
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[51] **Int.Cl. G03G 15/04 (2006.01) G03G 15/06 (2006.01)**
[25] EN
[54] **DRUM UNIT, CARTRIDGE AND COUPLING MEMBER**
[54] **UNITE TAMBOUR, CARTOUCHE ET ELEMENT D'ACCOUPEMENT**
[72] HAYASHIDA, MAKOTO, JP
[72] UESUGI, TETSUO, JP
[72] YAMAGUCHI, KOJI, JP
[72] YANO, TAKASHI, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-02-26
[41] 2016-09-01
[62] 2,977,940
[30] JP (2015-039432) 2015-02-27
[30] JP (2016-023071) 2016-02-09

[21] **3,028,668**
[13] A1
[51] **Int.Cl. E04B 2/58 (2006.01) E04B 1/24 (2006.01) E04B 1/41 (2006.01) E04B 2/56 (2006.01) E04C 5/01 (2006.01)**
[25] EN
[54] **REINFORCED BUILDING WALL**
[54] **MUR DE BATIMENT RENFORCE**
[72] ESPINOSA, THOMAS M., US
[71] ESPINOSA, THOMAS M., US
[22] 2014-05-21
[41] 2014-11-27
[62] 2,949,950
[30] US (61/826,839) 2013-05-23

[21] **3,028,671**
[13] A1
[51] **Int.Cl. G03G 15/04 (2006.01) G03G 21/00 (2006.01)**
[25] EN
[54] **DRUM CYLINDER UNIT, METHOD FOR ATTACHING COUPLING MEMBER, AND DRUM UNIT**
[54] **UNITE DE CYLINDRE A TAMBOUR, PROCEDE DE FIXATION D'ELEMENT DE COUPLAGE, ET UNITE A TAMBOUR**
[72] KAMOSHIDA, SHIGEMI, JP
[72] KIKUCHI, KEN, JP
[72] MIYAMOTO, JUN, JP
[72] MORI, TOMONORI, JP
[72] ABE, DAISUKE, JP
[71] CANON KABUSHIKI KAISHA, JP
[22] 2016-03-08
[41] 2016-09-15
[62] 2,977,914
[30] JP (2015-047603) 2015-03-10
[30] JP (2016-028430) 2016-02-17

[21] **3,028,696**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **TECHNIQUES FOR CASE ALLOCATION**
[54] **TECHNIQUES D'ATTRIBUTION DE CAS**
[72] KAN, ITTAI, US
[72] DELELLIS, DAVID J., US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[22] 2016-11-30
[41] 2017-06-08
[62] 3,004,212
[30] US (62/261,780) 2015-12-01

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3M INNOVATIVE PROPERTIES COMPANY	2,829,029	AMCOR RIGID PLASTICS USA, LLC	2,827,079	BANTIA, SHANTA	2,813,783
4D PHARMA RESEARCH LIMITED	3,005,781	ANDERLIN GARCIA, LEANDRO	2,812,427	BARGER, JESSE DEWAYNE	2,911,721
AAKRE, HAAVARD	2,824,302	ANDERSEN, PATRICK	2,829,777	BARHOOM, SIMA	2,806,147
AARTSMA-RUS, ANNEMIEKE	2,785,451	ANDERSON, NICHOLAS	2,994,889	BARNERON, SYLVAIN	2,820,369
ABE, NORIMITSU	2,923,013	ANDRADE BEJARANO, EDWIN RENATO	2,846,513	BARON, PIERRE-FRANCOIS	2,950,836
ABG TAG & TRAQ, LLC	2,823,294	ANDREAS, BERNARD H.	2,768,009	BARRATT, CYNTHIA	3,017,841
ABG TAG & TRAQ, LLC	2,826,814	ANDREWS, ROBERT E.	2,781,790	BARRICK, KEVIN MARION	2,894,311
ABRAHAM, FRANCIS	2,822,448	ANDREWS, ROBERT E.	2,874,861	BARTOLOME RODRIGUEZ, JAVIER	2,801,528
ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC	2,785,451	ANDREWS, ROBERT E.	2,950,599	BARTUSIAK, JOSEPH T.	2,829,029
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ADAM, HARTWIG	2,770,239	ANIM-DANSO, EMMANUEL	2,762,183	BASF SE	2,889,606
ADAMS, DAN L.	2,918,462	ANIMA CELL METROLOGY, INC.	2,806,147	BASILE, JOSEPH ANGELO	2,838,105
ADKINS, NAT, JR.	3,017,841	ANNIKKI GMBH	2,830,667	BASIR, OTMAN A.	2,723,196
ADLENS BEACON, INC.	2,808,162	ANTONSEN, ROGER	2,761,477	BAYER	
ADVANCED TRAINING SYSTEMS, LLC	2,992,106	APPLE INC.	2,616,358	AKTIENGESELLSCHAFT	2,649,554
AGAR CORPORATION LTD.	3,005,934	ARAB, MEHDI	2,822,448	BAYER INTELLECTUAL PROPERTY GMBH	2,785,225
AGAR, JORAM	3,005,934	ARAKANE, TORU	2,970,333	BAYER INTELLECTUAL PROPERTY GMBH	2,819,880
AGARWAL, PRIYANKA	2,906,295	ARCELORMITTAL	2,931,992	BAZIN, BRIGITTE	2,818,820
AGC INC.	2,832,955	ARCELORMITTAL WIRE FRANCE	2,950,836	BEANE, GLENN	2,750,850
AGENA BIOSCIENCE, INC.	2,835,942	AREVA NC	2,822,448	BEAULIEU, PIERRE	2,736,284
AGRI-COVER, INC.	2,816,636	ARGENTA MANUFACTURING LIMITED	2,906,295	BECKER, CHARLES D.	2,801,656
AICURIS GMBH & CO. KG	2,723,761	ARIJI, MASAHIKO	2,950,708	BECKER, EVA-MARIA	2,819,880
AIR CHINA LIMITED	2,857,781	ARRIAGA, JORGE ALBERTO	2,896,059	BECTON DICKINSON AND COMPANY LIMITED	2,929,476
AIRBUS HELICOPTERS DEUTSCHLAND GMBH	2,955,167	ARTERIUS LIMITED	2,833,216	BECTON, DICKINSON AND COMPANY	2,909,186
AIS GMBH AACHEN INNOVATIVE SOLUTIONS	2,701,809	ASAI, YOSHITOMO	2,921,315	BECTON, DICKINSON AND COMPANY	2,941,589
AJANI, MAURO SEVERINO	2,790,143	ASSETWORKS INC.	2,838,105	BEI, KANG	2,891,651
AKASHI, KOTARO	2,954,851	ASTRAZENECA AB	2,800,203	BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION	2,797,000
AKIYAMA, TAKESHI	2,940,612	ATALA, ANTHONY	2,828,961	BELCHERS, CHRISTOPHER H.	2,866,560
AKIZUKI, KEN	2,910,242	AUBERGER, PATRICK	2,824,743	BEN SIMON, MEIR	2,792,741
AL-LAMEE, KADEM GAYAD	2,833,216	AUCKLAND UNISERVICES LIMITED	2,687,060	BENDER, JONATHAN D.	2,997,092
AL-MURRANI, SAMER	2,923,351	AUDIO PIXELS LTD.	2,792,741	BENGTSSON, TORE	2,890,171
ALCON RESEARCH, LTD.	2,823,825	AUERBACH, WIJTEK	2,800,534	BENNETT, GORDON	2,842,464
ALEEEES ECO ARK (CAYMAN) CO. LTD.	2,927,508	AUSTIN, ANDREW	2,758,471	BERAN, BOJAN	2,966,388
ALEEEES ECO ARK (CAYMAN) CO. LTD.	2,943,305	AVELAR, RUI	2,781,107	BERAUD, JEAN-MARC	2,834,198
ALKMIN, MARCO ANTONIO	2,748,742	AXELROD, GLEN S.	2,826,438	BERESIS, RICHARD THOMAS	2,909,546
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AMARAGGI, DAVID	2,822,448	BAILEY, BRENT ANDREW	2,997,817	BIAN, QUNZHOU	2,816,344
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AMBURGEY, MICHAEL D.	2,837,665	BAIRD, LEEMON C., III	2,996,714	BILLINGS, JOHN SCOTT	2,999,606
		BAKER HUGHES INCORPORATED	2,918,462		
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		BANGIO, LIVNAT	2,786,374		

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BIOMARIN TECHNOLOGIES B.V.	2,785,451	CAO, GUOHUA	3,008,469	CLOPP, MATHEW D.	2,768,009
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AGGROW TECH, LLC.	2,972,538	PRODUCTS INC.	3,000,132	DOMOBIOS	2,972,725
AGGROW TECH, LLC.	2,972,562	BOSSE, FRANCIS	2,972,755	DON, JOAN	2,973,016
AGGROW TECH, LLC.	2,972,570	BOWLEY, RYAN THOMAS	3,011,145	DU, XAN VY	3,009,969
AIR PRODUCTS AND		BOYD, BILLY SHAWN	3,011,136	EATON INTELLIGENT POWER	
CHEMICALS, INC.	3,010,841	BOYD, BILLY SHAWN	3,011,139	LIMITED	3,010,492
AIRBUS HELICOPTERS		BOYD, BILLY SHAWN	3,011,140	ENERCORP SAND	
DEUTSCHLAND GMBH	3,006,933	BRADSTREET, LANCE M.	3,011,122	SOLUTIONS INC.	3,011,145
AKAKI, SUGURU	3,009,789	BRAR, SATWINDER SINGH	2,973,775	ENGLAND, JOHN	3,010,935
AKERS, DANNY W., II	3,009,392	BROWAEYS, WOUTER	3,010,487	ENTRO INDUSTRIES, INC.	2,985,300
AKERS, KELLIE C.	3,009,392	BUILDING PRODUCTS OF		ENVIRONMENTAL	
ALLISON, KEITH J.	3,004,634	CANADA CORP./LA CIE		DYNAMICS	
ALTMANN, ANDRES		MATERIAUX DE		INTERNATIONAL, INC.	3,011,116
CLAUDIO	3,008,997	CONSTRUCTION BP		EPHRATH, YARON	3,008,997
ALVAREZ, ANDRES	3,010,939	CANADA	2,972,755	EPS INVESTMENTS	
AMAGAI, TOYOHISA	3,009,789	BURAGINO, GREGORY J.	3,010,841	AUSTRALIA PTY LTD	2,993,397
AOE ACCUMULATED OCEAN		CADDY PRODUCTS, INC.	2,987,997	EVANS, NICK SHADBEH	3,002,479
ENERGY INC.	2,972,537	CAMPBELL, NORM	3,010,936	EXTANG CORPORATION	3,004,864
ARCOS, MARINA	3,009,929	CANTER, TIM	3,011,116	FABIUS, AIDAN	3,010,471
ASSADBEIGI, APRIL	2,976,256	CAO, ZHIFENG	3,010,402	FACCHINELLO, JEROME J.	3,004,864
AUERBACH, SHMUEL	3,010,010	CARTER, CHAD	3,004,864	FARMER, AUSTIN G.	3,010,181
B&R INDUSTRIAL		CELLUFUEL INC.	2,972,311	FARROW, GLENN E.	2,982,742
AUTOMATION GMBH	3,011,112	CELLUFUEL INC.	3,010,168	FAZIO, THOMAS L.	2,972,538
BARNETT, NEIL	3,002,835	CHAEI HSIN ENTERPRISE CO.,		FAZIO, THOMAS L.	2,972,562
BASILICO, CHRISTIAN	3,009,267	LTD.	2,995,129	FAZIO, THOMAS L.	2,972,570
BAWA, KARIMA	3,010,945	CHAN, CONNIE MAUN-FONG	2,972,959	FESUS, ROBERT	3,010,633
BEDOYA, VICTOR H.	3,004,634	CHANG, HAN-HSIN	2,986,975	FISHER, BRYAN	3,009,969
BEIJING APOLLO DING RONG		CHEN, CHIN-CHU	2,986,975	FORGET, PIERRE	2,973,207
SOLAR TECHNOLOGY		CHEN, YEN-LIEN	2,986,975	FORGET, SEBASTIEN	2,972,959
CO., LTD.	3,010,402	CHEUNG, JACOB	2,973,064	FOUASSIER, PATRICK	3,009,929
BELLOWS, TYLER D.	2,979,234	CLARK, JOHN	3,010,492	FUKUTA, MASATO	3,010,468
BENDALL, CLARK		CLEAN SCISSORS LLC	3,010,360	FULGHUM, MICHAEL E.	2,972,538
ALEXANDER	3,009,798	CLOTUCHE, GWENDOLINE	2,972,725	FULGHUM, MICHAEL E.	2,972,562
BERGIN, PETER W.A.	2,987,997	CORONA ACOSTA, ILEANA		FULGHUM, MICHAEL E.	2,972,570
BERGSTEN, DANIEL E.	3,009,823	PRISABEL	3,009,749	GALKIN, MAXIM	3,010,010
BERTRAND, BLAKE A.	3,002,826	CORRIN, EDWARD	3,010,929	GANGOLI, SHAILESH	
BILSBOROUGH, VANESSA	2,973,064	COSSE, CARLOS	3,010,175	PRADEEP	3,010,841
BIOSENSE WEBSTER		COTE, LUC JOSEPH	3,011,026	GARCIA LOPEZ DE LLERGO,	
(ISRAEL) LTD.	3,008,997	COUCKE, DAVY	3,010,487	CARLA	3,009,749
BIOSENSE WEBSTER		COYNE, CRYSTAL	2,973,064	GARRIGA, JORDI	3,010,819
(ISRAEL) LTD.	3,009,988	COYNE, TRACIE	2,973,064	GAYLORD, ERIC LEE	3,011,058
BIOSENSE WEBSTER		CRAYOLA LLC	3,004,634	GE AVIATION SYSTEMS	
(ISRAEL) LTD.	3,010,010	D'AGOSTINO, DINO PAUL	2,973,775	LIMITED	3,009,835
BIOTECHNOLOGY		DAI, FENGYU	3,010,402	GENERAL ELECTRIC	
SOLUTIONS, LLC	3,010,929	DATTA, KESHAVA	3,009,988	COMPANY	3,009,749
BJ SERVICES, LLC	3,010,939	DEERE & COMPANY	2,979,234	GENERAL ELECTRIC	
BJ SERVICES, LLC	3,010,947	DEFAZIO, MASON	2,973,064	COMPANY	3,009,798
BLOY, ADRIAN	2,972,959	DEJONG, DAVID	2,972,842	GENERAL ELECTRIC	
BOMBARDIER		DEL ANGEL DURAN,		COMPANY	3,009,823
RECREATIONAL		ALBERTO	3,009,749	GENORD, JONATHON M.	2,999,492
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GOVARI, ASSAF	3,008,997	LEES-MILLER, SARAH	2,972,842	RASZGA, CALIN L.	2,979,234
GRAPE KING BIO LTD.	2,986,975	LESLIE, MAUREEN E.	2,972,839	REABLE INC.	3,010,807
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HEDRICK, WILLIAM T.	2,972,570	MAPSTED CORP.	3,023,411	SANE, ANUP VASANT	3,010,841
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HONDA MOTOR CO., LTD.	3,009,789	MATWIJW, STANLEY J.	3,010,821	SCHAEFER, LAURA	2,973,064
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JAGGA, ARUN VICTOR	2,973,775	MEDICAL SPECIALTIES, INC.	3,011,058	SEIFRIED, DANIEL JOSEPH DJS.	3,005,087
JENAB, ARASH	3,010,494	MESSINA, JOSEPH J.	3,010,821	SHENG, LEE-SAR	2,986,975
JOHNSON, FRANCES MARY	3,010,668	MID-ATLANTIC PACKAGING & SPECIALTIES, INC.	2,999,492	SHINDE, REENA	3,005,267
JOLLEY, CARL JEFFREY	2,999,492	MILLS, CHRISTOPHER J.	3,004,249	SHORT, DARRYL	2,972,842
JONES, TIMOTHY M.	3,004,249	MILOSEVIC, VESELIN	2,972,311	SMITH, CHRISTOPHER SCOTT	2,982,742
JUNG, SOONDONG	3,010,181	MILOSEVIC, VESELIN	3,010,168	SOREMARTEC S.A.	3,009,267
KABUSHIKI KAISHA TOSHIBA	3,010,468	MIYATA, POMAIKAI	2,973,014	SPECIALIZED DESANDERS INC.	3,010,488
KAKKAD, HEMANT MANAHARIAL	3,005,267	MOUSSEAU, GARY	3,010,945	SPECIALIZED DESANDERS INC.	3,010,532
KARMA MACHINING & MANUFACTURING LTD.	2,972,842	NACSON, SABATINO	2,972,600	SPELL, CURTIS J.	2,972,538
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KITAGAWA, ASAHI	3,010,952	NEWMAN, LEE	3,010,653	SRC, INC.	3,011,122
KLAPPER, DAVID J.	3,010,181	NGUYEN, THANH	3,009,988	STECIAK, JOHN, JR.	2,979,879
KLOCKNER PENTAPLAST GMBH	3,010,819	NIXON, MATTHEW A.	2,999,492	STOJCIC, GORAN	3,011,112
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KRAWIEC, PETER S.D.	3,006,884	OIL REBEL INNOVATIONS LTD.	3,006,884	SUZUKI, YUICHI	3,010,952
KUMBHAR, MADHURI UDDHAVRAO	3,005,267	OPW-ENGINEERED SYSTEMS, INC.	3,010,175	SVATAC, I. CEMIL	2,972,728
KUNTZE-FECHNER, GERALD	3,006,933	PATTERSON, MICHAEL R.	3,023,576	TALONTEG GROUP, INC	3,010,653
KUSMER, DANIEL PHILIP	3,006,654	PAVESI, ENRICO	3,009,267	TAYLOR CONSULTING, LLC.	3,010,474
LACUSTA, GREGG J.	3,006,884	PHANEUF, JULIE	2,973,420	TAYLOR, GARRETT	3,010,474
LAM TIN CHEUNG, DANIEL	2,972,959	PLAS-TECH ENGINEERING, INC.	3,010,633	TEKNOSCAN SYSTEMS INC.	2,972,600
LAPOINTE, MICHEL	2,973,015	PREMO, S.L.	3,009,929	TEKNOSCAN SYSTEMS INC.	3,010,816
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COMPANY	3,029,238	AMBRX, INC.	3,028,683	AWISZUS, STEVEN T.	3,028,977
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BEAUPRE, DENIS	3,028,866	BLACKFORD, MATTHEW J.	3,028,977	ESTELLA	3,029,104
BECTON, DICKINSON AND		BLACKWELL, JENNIFER	3,029,252	BUSSEAR, TERRY	3,029,324
COMPANY	3,028,733	BLANCHARD, CARINE	3,029,145	BUTLER, BENJAMIN LUKE	3,029,188
BEETEL, ROBERT J., III	3,029,260	BLERSCH, MARIO	3,029,089	BUTLER, PAUL	3,028,879
BEHRENS, RANDALL DEAN	3,029,203	BLUEMLING, GREGORY R.	3,029,315	BUX, RASHID	3,029,063
BEIER, AXEL	3,029,169	BNNT, LLC	3,029,068	BUYSE, MARIE-ANGE	3,029,133
BEIJING DIDI INFINITY		BOARD OF REGENTS, THE		C SERIES AIRCRAFT LIMITED	
TECHNOLOGY AND		UNIVERSITY OF TEXAS		PARTNERSHIP	3,028,950
DEVELOPMENT CO., LTD.	3,028,831	SYSTEM	3,028,771	C SERIES AIRCRAFT LIMITED	
BEIJING DIDI INFINITY		BOGATH, CHRISTOPHER	3,029,344	PARTNERSHIP	3,028,953
TECHNOLOGY AND		BOISSON, ALEXANDRE		CABRERA, ESTEBAN	3,029,252
DEVELOPMENT CO., LTD.	3,029,267	BERNARD MARIE	3,029,071	CALDWELL, KENNETH G.	3,028,748
BEIJING DIDI INFINITY		BOLL, JAMES	3,029,237	CALLEGARO, LANFRANCO	3,028,042
TECHNOLOGY AND		BOMBARDIER INC.	3,028,442	CALVEZ, VINCENT	3,029,012
DEVELOPMENT CO., LTD.	3,029,364	BOMBARDIER INC.	3,028,950	CAMERON SOLUTIONS, INC.	3,028,737
BEIJING QIYI CENTURY		BOMBARDIER INC.	3,028,989	CAMFIL AB	3,028,942
SCIENCE &		BOMBARDIER INC.	3,029,030	CAMINO, NESTOR JESUS, JR.	3,028,993
TECHNOLOGY CO., LTD.	3,028,839	BOMBARDIER INC.	3,029,128	CAMINO, NESTOR JESUS, JR.	3,028,995
BEIJING QIYI CENTURY		BONAVIA, AURELIO M.	3,028,827	CAMINO, NESTOR JESUS, JR.	3,029,024
SCIENCE &		BONO, PIERRE	3,029,095	CANNING, PETER CONNOR	3,028,683
TECHNOLOGY CO., LTD.	3,028,863	BONTINCK, LIESELOT	3,029,133	CANOS, AVELINO CORMA	3,028,438
BEISELE, CHRISTIAN	3,028,844	BORDES, ROMAIN	3,029,331	CAO, HONGQIANG	3,028,821
BEKAL, ANISH	3,028,758	BORENSTEIN, JEFFREY T.	3,029,319	CAO, KAI	3,028,879
BELCHER, WARWICK	3,029,061	BORYSIK, ADAM RYSZARD	3,029,023	CAPITAL ONE SERVICES, LLC	3,028,710
BELL, MICHAEL DAVID	3,029,313	BOULEZ, CORALIE	3,029,091	CAPITAL ONE SERVICES, LLC	3,028,728
BELLAICHE, LEVI ITZHAK	3,029,124	BOUTON, OLIVIER	3,028,877	CAPOGLU, ILKER R.	3,029,192
BELLIVEAU, SCOTT M.	3,029,252	BOUVIER, LUDIVINE	3,028,868	CAPRETTO EHF.	3,028,927
BELLOSO LINACISORO,		BOWMAN, LEIF N.	3,029,252	CARBONX IP 3 B.V.	3,028,865
AITOR	3,028,862	BOXER, MATTHEW BRIAN	3,028,999	CARENZI, DAVIDE	3,029,097
BENITOU, STEPHANIE	3,028,886	BPI BEADS PRODUCTION		CAREY, PAURIC	3,028,826
BENSON HILL BIOSYSTEMS,		INTERNATIONAL GMBH	3,028,838	CARL FREUDENBERG KG	3,029,096
INC.	3,028,946	BRACKIN, ROBERT LEWIS,		CARLSON, LAWRENCE	3,028,729
BENSON HILL BIOSYSTEMS,		JR.	3,028,442	CARMENA, JOSE M.	3,029,019
INC.	3,029,126	BRAMOULLE, LOIC	3,029,092	CARNER, BRAYTON	3,029,255
BENSTEAD, STEPHEN JOHN	3,029,094	BRAND, MIKE	3,029,088	CARTER, WILLIAM THOMAS	3,028,679
BENZ, PATRIK	3,028,849	BRANNEN, SHAUN M.	3,029,200	CASALE SA	3,028,832
BERGER, STEVEN	3,028,437	BRASSO, WILLIAM B.	3,028,733	CASAS ALVAREZ, JUAN	3,029,101
BERGHAMMER, FRITZ	3,029,268	BRATVEDT, KYRRE	3,028,970	CASTELNERAC, BERTRAND	3,028,882
BERNALIER-DONADILLE,		BRAUON, HAIM	3,029,156	CAULIER, YANNICK	3,028,870
ANNICK	3,028,903	BRAYER, GARY D.	3,029,064	CELLPROTHERA	3,029,072
BERNARDONI, MASSIMO	3,029,115	BRESLIN, TRACY	3,028,980	CENTRE NATIONAL DE LA	
BERRY METAL COMPANY	3,029,255	BRICENO DELGADO, JAVIER	3,029,135	RECHERCHE	
BHARATI, SAILESH	3,028,814	BRIMACOMBE, KYLE RYAN	3,028,999	SCIENTIFIQUE (CNRS)	3,028,842
BHUSHAN, NAGA	3,029,336	BRIN, ELENA	3,028,727	CENTRE NATIONAL DE LA	
BIAGINI, LORENZO	3,028,069	BRIOTECH, INC.	3,028,984	RECHERCHE	
BIANCHINI, GIULIO	3,028,042	BRISBEN, WILLIAM O.	3,028,973	SCIENTIFIQUE (CNRS)	3,029,012
BICE, JO-ANN E.	3,028,754	BRIX, HORST DIETER	3,028,858	CENTRE NATIONAL DE LA	
BICKNELL, PAUL	3,029,275	BROCKS, BODO	3,029,137	RECHERCHE	
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BILOBROV, SERGIY	3,029,190	BROWN, DAVID ANDREW	3,028,922	CH-BIOFORCE OY	3,029,114
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BIOMARK CANCER SYSTEMS		BUDNITSKY, DMITRY	3,029,030	CHEN, BO	3,029,237
INC.	3,029,063	BURKEY, BRANT	3,029,134	CHEN, HONGYU	3,029,340
BIRGE, RAYMOND	3,028,815	BURLESON, MICHAEL TODD	3,029,025	CHEN, HUI	3,029,246
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CHEN, LING	3,028,824	CORRE, GWENAELLE	3,028,871	AREND	3,029,140
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CHEN, WEI	3,029,344	COSTANTINO, GIANCARLO	3,028,994	DEISTER, VIKTOR	3,029,081
CHEN, XUE	3,029,263	COUDANE, JEAN	3,028,842	DEKEYZER, LIES	3,029,133
CHEN, YAN	3,028,997	COUDERC, SOPHIE	3,029,107	DELCHAMBRE, MICHAEL	3,029,365
CHEN, YE GRACE	3,028,682	COUDERC, SOPHIE	3,029,112	DELLARIO, MICHAEL S.	3,028,444
CHEN, ZHIFANG	3,028,824	COUPARD, VINCENT	3,028,837	DELP, GARY S.	3,029,216
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CITY OF HOPE	3,028,714	CRISPR THERAPEUTICS AG	3,029,130	DI GIANNATALE DANIELE	3,028,605
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CLEARY, MARGOT	3,028,968	CRYSTAL, ROGER	3,028,731	DJORDJEVIC, BRANKO	3,029,084
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CODOLUTO, STEPHEN C.	3,028,680	CUI, BING	3,029,003	DONDERICI, BURKAY	3,029,187
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WALTER	3,028,815	DAIGLE, JEAN-CHRISTOPHE	3,029,100	DORROW, ROBERTA L.	3,028,752
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COMPAGNIE GENERALE DES		DANILKOVITCH, ALLA	3,029,233	TECHNOLOGIES LLC	3,029,340
ETABLISSEMENTS		DANILKOVITCH, ALLA	3,029,253	DOWSETT, DAVID	3,028,877
MICHELIN	3,028,853	DASTILLUNG, REJANE	3,029,107	DRAEGER, RIAN	3,029,252
COMPAGNIE GENERALE DES		DASTILLUNG, REJANE	3,029,112	DRONE DELIVERY CANADA	
ETABLISSEMENTS		DASTOOR, PAUL	3,029,061	CORP.	3,028,818
MICHELIN	3,028,854	DAUGHTRIDGE, STUART	3,029,027	DUCHARME, DUSTIN	3,028,998
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ETABLISSEMENTS		DAVIS, IAN CHRISTOPHER	3,029,005	FRANCOIS	3,028,878
MICHELIN	3,029,107	DAVIS, MATHEW WILLIAM	3,029,116	DUMMEN GROUP B.V.	3,029,270
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MAITY, SANDIP	3,028,735	MCLAUGHLIN GORMLEY KING COMPANY	3,028,744	MIYAZAWA, YUKI	3,029,144
MAK, SIU WAI JACKY	3,029,348	MCLAUGHLIN GORMLEY KING COMPANY	3,028,745	MIZUGUCHI, TAKUYA	3,029,295
MALATHONG, VIENGGHAM	3,029,256	MCLAUGHLIN GORMLEY KING COMPANY	3,028,746	MOBILEYE VISION TECHNOLOGIES LTD.	3,029,124
MALEK TABRIZI, ALIREZA	3,028,713	MCLAUGHLIN GORMLEY KING COMPANY	3,028,747	MOBILITY MOTION COMPONENTS	3,029,127
MALGAT, ALEXANDRE	3,028,880	MCLAUGHLIN GORMLEY KING COMPANY	3,028,747	MOGHU RESEARCH CENTER LTD.	3,028,949
MALOUM, ABDELMALEK	3,028,860	MCLAUGHLIN GORMLEY KING COMPANY	3,028,813	MOJITO	3,028,891
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MANN, ADRIEN	3,028,961	MCMINN, DUSTIN	3,029,032	MONGRENIER, JEAN-CLAUDE	3,029,307
MANN, SUNVEER	3,005,924	MCMURTRIE, DARREN J.	3,029,256	MONTY, JOSEPH DOUGLAS	3,029,022
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MARECHAL, CYRILLE	3,029,072	MEGENS, JOHANNES HENDRIKUS	3,029,193	MOORE, GARY, ROY	3,029,275
MARLEAU, SYLVIE	3,028,807	MEGRET, CLAUDE	3,028,878	MOORE, GREGORY	3,029,328
MARSHALL, ALAN	3,028,925	MEISSNER, SVEN	3,028,861	MOORE, JONATHAN ADAM	3,028,695
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MARTINEZ-TRIGUERO, JOAQUIN	3,028,438	MELNICK, JONATHAN SCOTT	3,028,975	MORITA, KEISUKE	3,028,932
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