



Canadian
Intellectual Property
Office

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Office de la propriété
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du Canada

Un organisme
d'Industrie Canada

ISSN-1712-4034

The Patent

Office Record

La Gazette

du Bureau des brevets



Vol. 147 No. 34 August 20, 2019

Vol. 147 No. 34 le 20 août 2019

Canada



THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

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

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

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

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

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Notices

Avis

1. Dates and Code Numerals Appearing in Patent Headings

Dates

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

Code Numerals

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

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

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

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

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

Dates

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

Chiffres de code

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

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

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris

- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction (Redélivrance, Réexamen)
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

2. Country Code

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

2. Code des pays

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

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

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

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

7. Patents Available for Licence or Sale

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

8. List of Patents Available for Licence or Sale

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

2,924,707

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 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 :

2,924,707

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 February 19, 2019

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

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

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

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 19 février 2019

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

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

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

Notices

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

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

4. Late payment fee

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

4. Taxe pour paiement tardif

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

Preliminary Examination

Examen préliminaire

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

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

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

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

* International fees will be reduced by:

* Les frais seront réduits de:

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

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

12. PCT Notices

12. Avis PCT

Patent Cooperation Treaty (PCT)

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

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Offices.

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

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

14. Correspondence Procedures

Publication date: May 10, 2017

Amendment date: June 17, 2019

On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
4. General Information
5. Time Period Extensions
6. Procedures in Case of an Unexpected Office Closure at CIPO
7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography

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

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

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

14. Procédures de correspondance

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

Sur cette page :

1. Remise physique de correspondance et communications écrites à l'OPIC.
2. Correspondance électronique
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7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

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

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

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article

Avis

Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

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

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

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

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

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted 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 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and

3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

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

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

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

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

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

Téléchargez le [formulaire de paiement des frais](#).

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez

Notices

payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

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

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

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

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

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

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

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

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

- Innovation, Science and Economic Development
Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1

prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique
Canada
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, à
l'exception des jours fériés

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

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

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

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

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

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

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

Avis

Tel.: 604-666-5000

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

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

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

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

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

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

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

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

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^{MC} et Xpresspost^{MC} de Postes Canada sont des établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

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

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les

Notices

Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

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

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

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

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

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

2.1 Facsimile

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

marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

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

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

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

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale, lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

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

2.1 Correspondance par télécopieur

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

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

Avis

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

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

(819) 934-3833

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

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

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

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

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

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

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

(819) 934-3833

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

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

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

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

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

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

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

Notices

electronically by accessing the following pages:

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

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 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks 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](#);
- [registration of a trademark application](#);

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the

pages suivantes :

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

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

Conformément à la Règle 89bis du PCT, l'OPIIC, 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'OPIIC, appelé [Dépôt en ligne de demandes PCT](#).

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

Marques de commerce

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

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

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

Avis

[Trademarks Opposition Board's online web application:](#)

[des marques de commerce.](#)

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

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 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](#).

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

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

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

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

Droits d'auteur

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

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

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Industrial Designs

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

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

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](#).

2.3 Electronic medium

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

Patents

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

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

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

Dessins industriels

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

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

Topographies de circuits intégrés

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

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

2.3 Supports électroniques

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

Brevets

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

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

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

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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-

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-

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R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

Trademarks and Industrial Design

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

3. Précisions concernant les formats électroniques acceptés

Patents

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

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

When applicable, the Patent Office will accept files in the 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;

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

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

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

- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

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

Trademarks

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

Industrial Design

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

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

4. General Information

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

5. Time Period Extensions

- [Time period extensions under the Patent, Trademarks and Industrial Design Acts](#)
- [Time period extensions under the Copyright and Integrated Circuit Topography Acts](#)
- [Time period extensions under the Patent Cooperation](#)

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- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

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

Marques de commerce

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

Dessins industriels

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

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

4. Renseignements généraux

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

5. Prorogation des délais

- [Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels](#)
- [Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés](#)
- [Prorogation des délais en vertu du le Traité de](#)

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[Treaty](#)

- [Time period extensions under the Madrid Protocol and the Hague Agreement](#)

[coopération en matière de brevets](#)

- [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

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

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

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

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

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;
- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

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

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

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public

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

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

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

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

- Tous les samedis et dimanches;
- Nouvel An (1^{er} janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1^{er} juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;
- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

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

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

***Veuillez noter que les Bureaux sont ouverts au public le

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(first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental

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

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

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

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

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

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

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

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

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

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organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

In case of unforeseen circumstances, CIPO will attempt to

intergouvernementale expire un jour :

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

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

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

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

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

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de

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remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

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

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

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

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

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in [section 2.2](#) of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

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

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

demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

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

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

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

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

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^{MC}, par Xpresspost^{MC} ou par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance. Il est toujours possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés [d'un numéro de carte VISA^{MC}, Mastercard^{MC} ou American Express^{MC} ou d'un numéro de compte de dépôt à l'OPIC.](#)

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

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

Notices

l'Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)
- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of August 20, 2019 contains applications open to public inspection from August 4, 2019 to August 10, 2019.

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](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 20 août 2019 contient les demandes disponibles au public pour consultation pour la période du 4 août 2019 au 10 août 2019.

Canadian Patents Issued

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[51] **Int.Cl. C12N 15/867 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/87 (2006.01)**
[25] EN
[54] **RESTRICTED EXPRESSION LENTIVIRAL VECTORS**
[54] **VECTEURS LENTIVIRAUX A EXPRESSION REDUITE**
[72] TRONO, DIDIER, CH
[72] WIZNEROWICZ, MACIEJ, CH
[73] INSTITUT CLAYTON DE LA RECHERCHE, CH
[85] 2004-04-01
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[11] **2,562,548**
[13] C
[51] **Int.Cl. C12N 15/53 (2006.01) A61K 31/202 (2006.01) C12N 9/02 (2006.01) C12N 15/82 (2006.01) C11C 1/00 (2006.01) C12P 7/64 (2006.01)**
[25] EN
[54] **EXPRESSION OF FATTY ACID DESATURASES IN CORN**
[54] **EXPRESSION DE DESATURASES D'ACIDE GRAS DE MAIS**
[72] URSIN, VIRGINIA, US
[72] FROMAN, BYRON, US
[72] GONZALES, JENNIFER, US
[72] NAVA, A. J., US
[73] MONSANTO TECHNOLOGY LLC, US
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[30] US (60/563,135) 2004-04-16

[11] **2,564,186**
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[51] **Int.Cl. G06F 12/14 (2006.01) H04W 12/06 (2009.01) H04L 9/32 (2006.01) H04W 4/12 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD OF OPERATION CONTROL ON AN ELECTRONIC DEVICE**
[54] **SYSTEME ET PROCEDE DE COMMANDE D'OPERATION SUR UN DISPOSITIF ELECTRONIQUE**
[72] ADAMS, NEIL P., CA
[72] KIRKUP, MICHAEL G., CA
[72] LITTLE, HERBERT A., CA
[72] OWEN, RUSSELL N., CA
[73] BLACKBERRY LIMITED, CA
[85] 2006-10-24
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[30] US (60/567,163) 2004-04-30

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[13] C
[51] **Int.Cl. G01N 21/03 (2006.01) B01L 3/00 (2006.01) G01N 33/48 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DETECTING MOLECULAR INTERACTIONS**
[54] **DISPOSITIF ET PROCEDE POUR DE DETECTER DES INTERACTIONS MOLECULAIRES**
[72] DWORRAK, ALEXANDRA, DE
[72] ELLINGER, THOMAS, DE
[72] ERMANTRAUT, EUGEN, DE
[72] SCHULZ, TORSTEN, DE
[72] ULLRICH, THOMAS, DE
[72] KAISER, THOMAS, DE
[72] BICKEL, RALF, DE
[73] CLONDIAG CHIP TECHNOLOGIES GMBH, DE
[85] 2006-11-03
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[11] **2,586,936**
[13] C
[51] **Int.Cl. A61K 31/375 (2006.01) A61K 31/355 (2006.01) A61P 39/06 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **USE OF ANTIOXIDANTS FOR GENE MODULATION**
[54] **UTILISATION D'ANTIOXYDANTS DANS LA MODULATION GENIQUE**
[72] ZICKER, STEVEN CURTIS, US
[72] PAETAU-ROBINSON, INKE, US
[72] WEDEKIND, KAREN JOY, US
[73] HILL'S PET NUTRITION, INC., US
[85] 2007-05-09
[86] 2005-11-09 (PCT/US2005/040515)
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[11] **2,589,041**
[13] C
[51] **Int.Cl. C12N 5/073 (2010.01) C12N 5/071 (2010.01) A61K 35/51 (2015.01) A61L 27/38 (2006.01)**
[25] EN
[54] **POSTPARTUM CELLS DERIVED FROM UMBILICAL CORD TISSUE, AND METHODS OF MAKING AND USING THE SAME**
[54] **CELLULES POSTNATALES DERIVEES DE TISSUS DU CORDON OMBILICAL, ET PROCEDES DE PRODUCTION ET D'UTILISATION DE CELLES-CI**
[72] HARRIS, IAN ROSS, US
[72] MESSINA, DARIN J., US
[72] KIHM, ANTHONY J., US
[72] SEYDA, AGNIESZKA, US
[72] COLTER, DAVID C., US
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[25] EN
[54] **ANTIGEN BINDING MOLECULES THAT BIND EGFR, VECTORS ENCODING SAME, AND USES THEREOF**

[54] **MOLECULES DE LIAISON D'ANTIGENES SE LIANT AU RECEPTEUR EGFR, VECTEURS CODANT POUR CES MOLECULES ET LEURS APPLICATIONS**

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[73] ROCHE GLYCART AG, CH
[85] 2007-08-02
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[87] (WO2006/082515)
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[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G07F 9/02 (2006.01) G07F 17/16 (2006.01)**

[25] EN
[54] **ARTICLE VENDING MACHINE AND METHOD FOR AUDITING INVENTORY WHILE ARTICLE VENDING MACHINE REMAINS OPERATIONAL**

[54] **DISTRIBUTEUR AUTOMATIQUE D'ARTICLES ET METHODE DE VERIFICATION COMPTABLE D'INVENTAIRE AU COURS DU FONCTIONNEMENT DU DISTRIBUTEUR**

[72] HOERSTEN, ERIC J., US
[72] KUEHNRIICH, FRANZ, US
[72] CAPUTO, WILLIAM E., US
[73] REDBOX AUTOMATED RETAIL, LLC, US
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[13] C

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/04 (2006.01)**

[25] EN
[54] **ORGAN PRESERVATION AND/OR PERFUSION**

[54] **CONSERVATION ET/OU PERFUSION D'ORGANE**

[72] YOUNG, LINDON, US
[73] PHILADELPHIA COLLEGE OF OSTEOPATHIC MEDICINE, US
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[11] **2,635,933**
[13] C

[51] **Int.Cl. G06F 16/176 (2019.01) H04W 88/02 (2009.01) G06F 21/62 (2013.01)**

[25] EN
[54] **FILE SHARING WITH A HOSTILE SYSTEM**

[54] **PARTAGE DE FICHER AVEC UN SYSTEME HOSTILE**

[72] WOOD, ROBERT H., CA
[72] MATTON, MAXIME M., CA
[72] PATTENDEN, CHRISTOPHER E.S., CA
[73] BLACKBERRY LIMITED, CA
[86] (2635933)
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[22] 2008-06-25
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[51] **Int.Cl. G01R 11/56 (2006.01) G01R 21/133 (2006.01)**

[25] EN
[54] **ENERGY BUDGET MANAGER**

[54] **GESTIONNAIRE DE BILAN ENERGETIQUE**

[72] GOLDEN, BRIAN, US
[72] MCMAHAN, COURTNEY, US
[73] GRIDPOINT, INC., US
[85] 2008-09-25
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[11] **2,679,770**
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[51] **Int.Cl. G01N 25/00 (2006.01) G01D 11/00 (2006.01) G01N 5/00 (2006.01) G01N 25/20 (2006.01)**

[25] EN
[54] **SENSOR FOR THERMAL ANALYSIS AND SYSTEMS INCLUDING SAME**

[54] **CAPTEUR POUR ANALYSE THERMIQUE ET SYSTEME COMPRENANT CELUI-CI**

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[11] **2,681,177**
[13] C

[51] **Int.Cl. C07K 14/71 (2006.01) A61K 39/395 (2006.01) A61K 49/00 (2006.01) C07K 1/22 (2006.01) C07K 14/495 (2006.01) C12N 15/12 (2006.01) C12N 15/18 (2006.01) G01N 1/34 (2006.01) G01N 1/40 (2006.01) G01N 33/53 (2006.01)**

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[54] **ANTAGONISTES DE LIGANDS ET LEURS UTILISATIONS**

[72] BAARSDNESS, JASON, CA
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[72] ZWAAGSTRA, JOHN C., CA
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[25] EN
[54] **REAL TIME WELL DATA ALERTS**
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[72] PAPOURAS, CHRIS, US
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[25] EN
[54] **EPICARDIAL MAPPING AND ABLATION CATHETER**
[54] **CARTE EPICARDIALE ET CATHETER D'ABLATION**
[72] CARROLL, SEAN, US
[72] MAFFRE, JENNIFER, US
[72] ESGUERRA, MARIBETH, US
[73] BIOSENSE WEBSTER, INC., US
[86] (2699536)
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[54] **IMPROVED METHYLATION DETECTION**
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[72] VLASSEN BROECK, ILSE, BE
[72] BIERAU, KATJA, BE
[73] MDXHEALTH SA, BE
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[25] EN
[54] **MUTATED ACETOHYDROXYACID SYNTHASE GENES IN BRASSICA**
[54] **GENES D'ACETOHYDROXYACIDE SYNTHASE MUTES CHEZ BRASSICA**
[72] SCHOPKE, CHRISTIAN, US
[72] GOCAL, GREG F. W., US
[72] WALKER, KEITH, US
[72] BEETHAM, PETER R., US
[73] CIBUS EUROPE B.V., NL
[85] 2010-04-01
[86] 2008-10-03 (PCT/US2008/078798)
[87] (WO2009/046334)
[30] US (60/977,944) 2007-10-05

[11] **2,713,097**
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[72] ROBINSON, CARL, GB
[72] HEATHER, ZOE, AU
[73] ANIMAL HEALTH TRUST, GB
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[87] (WO2009/093014)
[30] GB (0801326.0) 2008-01-24

[11] **2,713,610**
[13] C

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[25] EN
[54] **ECTOPIC PREGNANCY TREATMENT**
[54] **TRAITEMENT POUR GROSSESSE EXTRA-UTERINE**
[72] TONG, STEPHEN, AU
[72] NILSSON, ULRIKA W., AU
[72] JOHNS, TERENCE GRANT, AU
[73] MONASH UNIVERSITY, AU
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[22] 2010-08-24
[30] US (61/248,124) 2009-10-02

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[25] EN
[54] **A METHOD TO PREPARE A COMPOSITION COMPRISING AN ANTI-MICROBIAL COMPOUND MIXTURE OBTAINED BY PULVERIZING WOOD MATERIAL AND/OR EXTRACTING WOOD MATERIAL**
[54] **UNE METHODE DE PREPARATION D'UNE COMPOSITION RENFERMANT UN MELANGE DE COMPOSE ANTIMICROBIEN OBTENU EN PULVERISANT UNE MATIERE DE BOIS OU EN EXTRAYANT UNE MATIERE DE BOIS**
[72] AHLNAES, THOMAS, FI
[73] OY GRANULA AB LTD, FI
[85] 2010-08-13
[86] 2009-02-13 (PCT/FI2009/050116)
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[30] FI (20080113) 2008-02-14

[11] **2,727,122**
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[54] **CONFIGURATION OBLONGUE POUR PIECE ENCOLLEE**
[72] DAN-JUMBO, EUGENE, US
[72] KELLER, RUSSELL L., US
[72] WESTERMAN, EVERETT A., US
[73] THE BOEING COMPANY, US
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[25] EN
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[54] **DISPOSITIFS, PROCEDES ET APPAREIL DE LUTTE CONTRE LES PARASITES**
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[72] CRUZ, RENE L., US
[72] MISHRA, RAJESH, US
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[54] **SERVICE OPERATION DATA PROCESSING USING CHECKLIST FUNCTIONALITY IN ASSOCIATION WITH INSPECTED ITEMS**
[54] **TRAITEMENT DE DONNEES D'OPERATIONS DE SERVICES UTILISANT UNE FONCTIONNALITE DE LISTE DE CONTROLE ASSOCIEE A DES ELEMENTS VERIFIES**
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[73] RPM INDUSTRIES, LLC, US
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[54] **CHEMICAL MODIFICATIONS OF MONOMERS AND OLIGONUCLEOTIDES WITH CYCLOADDITION**
[54] **MODIFICATIONS CHIMIQUES DE MONOMERES ET D'OLIGONUCLEOTIDES PAR CYCLOADDITION**
[72] MANOHARAN, MUTHIA, US
[72] RAJEEV, KALLANTHOTTATHIL G., US
[72] YAMADA, TAKESHI, US
[72] BUTLER, DAVID, US
[72] JAYAPRAKASH, K. NARAYANANNAIR, US
[72] JAYRAMAN, MUTHUSAMY, US
[72] MATSUDA, SHIGEO, US
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[54] **PROCESS FOR FLUXLESS BRAZING OF ALUMINIUM AND BRAZING SHEET FOR USE THEREIN**
[54] **PROCEDE DE BRASAGE SANS FONDANT D'ALUMINIUM ET FEUILLE DE BRASAGE DESTINEE A ETRE UTILISEE DANS LE PROCEDE**
[72] WITTEBROOD, ADRIANUS JACOBUS, NL
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[54] **PROCESS FOR PREPARING NUTRITIONAL, THERAPEUTIC OR ORGANOLEPTIC PRODUCTS FROM CRUDE GLYCEROL**
[54] **PROCEDE DE PREPARATION DE PRODUITS NUTRITIONNELS, THERAPEUTIQUES OU ORGANOLEPTIQUES A PARTIR DE GLYCEROL BRUT**
[72] FIELDHOUSE, ROBIN, AU
[72] MACLENNAN, DONALD FINLAY, AU
[72] MACLENNAN, DAVID GRAHAM, AU
[72] MACLENNAN, MARY ELIZABETH, AU
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[72] BERNARD, ELISE, GB
[72] LOAKES, DAVID, GB
[72] TITE, JOHN PAUL, GB
[72] VAYSBURD, MARINA, GB
[72] TEUFEL, DANIEL PAUL, GB
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[25] EN
[54] **A SYSTEM, METHOD AND APPARATUS FOR PRODUCING WEATHERSTRIP CONTAINING PROFILES OF DIFFERENT SHAPE AND WEATHERSTRIPS FOR USE THEREWITH**
[54] **SYSTEME, METHODE ET APPAREIL POUR LA PRODUCTION DE BOURRELETS DE CALFEUTRAGE CONTENANT DES PROFILES DE DIFFERENTES TAILLES ET BOURRELETS DE CALFEUTRAGE POUR UTILISATION AVEC CES DERNIERS**
[72] DEMELLO, ALAN J., US
[73] ULTRAFAB, INC., US
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[54] **BOITE A TUYAUX POUR INSTALLATION DE PLOMBERIE**
[72] MRAK, PETER, CA
[73] MRAK, PETER, CA
[86] (2752360)
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[54] **LOW COST AND FLEXIBLE ENERGY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE LA CONSOMMATION D'ENERGIE SOUPLE A FAIBLE COUT DE REVIENT**
[72] VENKATAKRISHNAN, NATARAJAN, US
[72] FINCH, MICHAEL FRANCIS, US
[72] BULTMAN, ROBERT MARTEN, US
[72] WORTHINGTON, TIMOTHY DALE, US
[72] BINGHAM, DAVID C., US
[72] DRAKE, JEFF DONALD, US
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[54] **DEMAND MANAGEMENT FOR WATER HEATERS**
[54] **GESTION DE LA DEMANDE DE CHAUFFE-EAU**
[72] BEYERLE, MICHAEL THOMAS, US
[72] FINCH, MICHAEL FRANCIS, US
[72] ROETKER, JOHN JOSEPH, US
[72] VENKATAKRISHNAN, NATARAJAN, US
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[54] **METHODE D'EXPLOITATION D'UN REFRIGERATEUR**

[72] TALEGAONKAR, ARUN, US

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[72] RANARD, GEOFFREY LEE, US

[72] SHAHA, BIPIN N., US

[72] WAUGH, JOSEPH THOMAS, US

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[54] **SYSTEMES D'HEMODIALYSE ET DE DIALYSE PERITONEALE POSSEDANT DES CAPACITES DE DESIONISATION ELECTRIQUE EN CONTINU**

[72] MILLER, JOSHUA J., US

[72] ROHDE, JUSTIN, US

[72] KAROOR, SUJATHA, US

[72] LO, YING-CHENG, US

[72] DING, YUANPANG S., US

[72] DUPONT, STEPHANE, FR

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[54] **ACIDE NUCLEIQUE ANTISENS DE RESISTANCE A LA KANAMYCINE POUR LE TRAITEMENT D'UN CANCER**

[72] PADUA, ROSE ANN, FR

[72] CHOMIENNE, CHRISTINE, FR

[73] PADUA, ROSE ANN, FR

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[54] **CELLULES TISSULAIRES DU CORDON OMBILICAL HUMAIN UTILISEES COMME THERAPIE POUR LA MALADIE D'ALZHEIMER**

[72] KIHM, ANTHONY J., US

[72] GOSIEWSKA, ANNA, US

[73] DEPUY SYNTHES PRODUCTS, INC., US

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[54] **TREATMENT OF HEMOGLOBIN (HBF/HBG) RELATED DISEASES BY INHIBITION OF NATURAL ANTISENSE TRANSCRIPT TO HBF/HBG**

[54] **OLIGONUCLEOTIDES ANTISENS D'HEMOGLOBINES**

[72] COLLARD, JOSEPH, US

[72] KHORKOVA SHERMAN, OLGA, US

[72] COITO, CARLOS, US

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[54] **ANTICORPS ANTI-CD100 ET LEURS METHODES D'UTILISATION**

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[72] FISHER, TERRENCE LEE, US

[73] VACCINEX, INC., US

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[54] **EVALUATION SANS CONTACT DE LA PROPRIETE DE PROPAGATION D'UN SIGNAL ACOUSTIQUE D'UNE CORDE EN FIBRE SYNTHETIQUE**

[72] PADILLA, LUIS S., US
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[54] **COMPOSITIONS ET METHODES POUR MODULER L'EPISSAGE DE SMN2 CHEZ UN SUJET**

[72] BENNETT, C. FRANK, US
[72] HUNG, GENE, US
[72] RIGO, FRANK, US
[72] KRAINER, ADRIAN R., US
[72] HUA, YIMIN, US
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[72] SHIHABUDDIN, LAMYA, US
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[72] RIEDINGER, CHRISTIANE, GB
[72] GRIFFIN, ROGER JOHN, GB
[72] HARDCASTLE, IAN ROBERT, GB
[72] VALEUR, ERIC, FR
[72] WATSON, ANNA FRANCES, GB
[72] NOBLE, MARTIN, GB
[73] CANCER RESEARCH TECHNOLOGY LIMITED, GB
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[54] **METHODS AND SYSTEMS TO PRESENT NETWORK NOTIFICATIONS IN CONJUNCTION WITH DISPLAY ADVERTISEMENTS**

[54] **PROCEDES ET SYSTEMES POUR PRESENTER DES NOTIFICATIONS DE RESEAU CONJOINTEMENT AVEC DES PLACARDS PUBLICITAIRES**

[72] CHOU, JACK WEICHIEH, US
[72] HARIHARAN, GANESH SHEKHARIPURAM, US
[72] DUBEY, SANJAY SURESHCHANDRA, US
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[54] **PROCESS FOR THE PRODUCTION OF CARBOHYDRATE CLEAVAGE PRODUCTS FROM A LIGNOCELLULOSIC MATERIAL**

[54] **PROCEDE DE PREPARATION DE PRODUITS DE DEGRADATION DES GLUCIDES A PARTIR D'UNE MATIERE LIGNOCELLULOSIQUE**

[72] FACKLER, KARIN, AT
[72] MESSNER, KURT, AT
[72] KRONGTAEW, CHULARAT, AT
[72] ERTL, ORTWIN, AT
[73] ANNIKKI GMBH, AT
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[86] 2010-04-30 (PCT/AT2010/000138)
[87] (WO2011/014894)
[30] AT (A 1252/2009) 2009-08-06
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[54] **SYSTEMS AND METHODS FOR MANAGING QUALITY OF SERVICE**

[54] **SYSTEMES ET PROCEDES POUR GERER LA QUALITE DU SERVICE**

[72] SARKAR, NILANJAN, IN
[72] HADDAD, BENY, IL
[73] SANDVINE CORPORATION, CA
[86] (2768483)
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[54] **DERIVES D'ACYL-GUANIDINES MODULATEURS DE LA VOIE DE SIGNALISATION DES PROTEINES HEDGEHOG**

[72] RUAT, MARTIAL, FR
[72] FAURE, HELENE, FR
[72] TRAIFFORT, ELISABETH, FR
[72] ROUDAUT, HERMINE, FR
[72] MANN, ANDRE, FR
[72] SCHOENFELDER, ANGELE, FR
[72] TADDEI, MAURIZIO, IT
[72] MANETTI, FABRIZIO, IT
[72] SOLINAS, ANTONIO, IT
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE DE STRASBOURG, FR
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[54] **COMPOSITIONS ET PROCEDES POUR DIAGNOSTIQUER DES TROUBLES DU SPECTRE AUTISTIQUE**

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[72] BEAR, MARK FIRMAN, US
[73] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
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[54] **ALTERING TEMPERATURE IN A MAMMALIAN BODY**

[54] **MODIFICATION DE LA TEMPERATURE DANS UN CORPS DE MAMMIFERE**

[72] DILLER, KENNETH R., US
[72] HENSLEY, DANIEL W., US
[72] DILLER, TIMOTHY T., US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2012-03-15
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[30] US (61/276,764) 2009-09-16
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[54] **AN IMMUNOACTIVATION BLOOD PERFUSION FILTER FOR THE TREATMENT OF MALIGNANT TUMORS**

[54] **FILTRE DE PERFUSION SANGUINE D'IMMUNOACTIVATION POUR LE TRAITEMENT DE TUMEURS MALIGNES**

[72] OHTA, KAZUhide, JP
[72] MIYAMOTO, HIROSHI, JP
[72] TAKABA, JUNJI, JP
[72] NOSE, YUKIHIKO, US
[73] OTSUKA PHARMACEUTICAL CO., LTD., JP
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[30] US (61/249,867) 2009-10-08

[11] **2,777,166**
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[54] **INSULATION AND VENTILATION SYSTEMS FOR BUILDING STRUCTURES**

[54] **SYSTEMES D'ISOLATION ET DE VENTILATION POUR LES STRUCTURES DE BATIMENT**

[72] POWER, ROSS PATRICK, CA
[72] EMO, SCOTT, CA
[73] ROSS POWER INVESTMENTS INC., CA
[86] (2777166)
[87] (2777166)
[22] 2012-05-14
[30] US (61/485,476) 2011-05-12

[11] **2,778,747**
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[54] **LOCK WITH SLIDING LOCKING ELEMENTS**

[54] **VERROU A ELEMENTS COULISSANTS**

[72] HAGEMEYER, BRUCE, US
[72] RAAP, DAN, US
[72] TAGTOW, GARY E., US
[72] COPLAN, MATT, US
[72] SHEN, ZAIDING, CN
[73] AMESBURY GROUP, INC., US
[86] (2778747)
[87] (2778747)
[22] 2012-06-01
[30] US (13/152,913) 2011-06-03

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[11] **2,778,944**
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[25] EN
[54] **AORTIC BIOPROSTHESIS AND SYSTEMS FOR DELIVERY THEREOF**
[54] **BIOPROTHESE AORTIQUE ET SYSTEMES DE MISE EN PLACE DE CELLE-CI**
[72] ESSINGER, JACQUES, CH
[72] BIADILLAH, YOUSSEF, CH
[72] DELALOYE, STEPHANE, CH
[72] HEFTI, JEAN-LUC, CH
[72] MANTANUS, LUC, CH
[72] PASSERINI, REYNALD, CH
[73] SYMETIS SA, CH
[85] 2012-04-25
[86] 2010-09-10 (PCT/EP2010/063306)
[87] (WO2011/051043)
[30] US (61/257,230) 2009-11-02
[30] US (61/353,875) 2010-06-11

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[13] C

[51] **Int.Cl. G06F 5/00 (2006.01) G06F 7/00 (2006.01)**
[25] EN
[54] **MANAGING RECORD FORMAT INFORMATION**
[54] **GESTION D'INFORMATIONS DE FORMAT D'ENREGISTREMENT**
[72] PARMENTER, DAVID W., US
[72] GOULD, JOEL, US
[72] FARVER, JENNIFER M., US
[72] FREUNDLICH, ROBERT, US
[72] VIGNEAU, JOYCE L., US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2012-04-26
[86] 2010-11-12 (PCT/US2010/056530)
[87] (WO2011/060257)
[30] US (61/260,997) 2009-11-13

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[25] EN
[54] **AUTOMATED SYSTEMS AND METHODS FOR INTEGRATED MULTI-PLATFORM COMMUNICATION INCLUDING REAL-TIME LANGUAGE TRANSLATION**
[54] **SYSTEMES AUTOMATISES ET METHODES D'INTEGRATION DE COMMUNICATION INTEGREE MULTI-PLATEFORME, Y COMPRIS LA TRADUCTION LINGUISTIQUE EN TEMPS REEL**
[72] CUSTER, JUSTIN E., US
[72] DUFFY, MICHAEL P., US
[72] LAMMING, FREDERICK T., US
[72] VERA, ROY, US
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2779117)
[87] (2779117)
[22] 2012-06-07
[30] US (13/155,953) 2011-06-08

[11] **2,779,632**
[13] C

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[25] EN
[54] **SIMIEN ADENOVIRUS AND METHODS OF USE**
[54] **ADENOVIRUS SIMIEN ET PROCEDES D'UTILISATION**
[72] GALL, JASON, US
[72] BROUGH, DOUGLAS, US
[72] KAHL, CHRISTOPH, US
[72] MCVEY, DUNCAN, US
[73] GENVEC, INC., US
[85] 2012-05-02
[86] 2010-11-09 (PCT/US2010/055991)
[87] (WO2011/057248)
[30] US (61/259,343) 2009-11-09

[11] **2,779,811**
[13] C

[51] **Int.Cl. F02K 1/48 (2006.01) F02K 1/46 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR LINEAR ACTUATION OF FLOW ALTERING COMPONENTS OF JET ENGINE NOZZLE**
[54] **APPAREIL ET METHODES D'ENTRAINEMENT LINEAIRE DES COMPOSANTES DE MODIFICATION DE L'ECOULEMENT DANS LA BUSE D'UN REACTEUR**
[72] CALDER, DAVID PATRICK, US
[72] BHUTIANI, PUPINDER, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2779811)
[87] (2779811)
[22] 2012-06-14
[30] US (13/163,463) 2011-06-17

[11] **2,779,987**
[13] C

[51] **Int.Cl. B29C 59/02 (2006.01) A61L 29/08 (2006.01) A61M 25/16 (2006.01) B29C 35/02 (2006.01)**
[25] EN
[54] **CATHETER FOR ANTIMICROBIAL CONTROL AND METHOD OF MANUFACTURING THEREOF**
[54] **CATHETER POUR LE CONTROLE ANTIMICROBIEN ET METHODE DE FABRICATION CONNEXE**
[72] CHUNG, KENNETH K., US
[72] BRENNAN, ANTHONY B., US
[72] MCCULLOUGH SPIECKER, MARK, US
[72] STONEBERG, RYAN, US
[72] THIELMAN, WALTER SCOTT, US
[72] REDDY, SHRAVANTHI, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[86] (2779987)
[87] (2779987)
[22] 2012-06-15
[30] US (13/161,137) 2011-06-15

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[25] EN

[54] **5-IMINO-1,2,4-THIADIAZOLES DERIVATIVES USEFUL FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES**

[54] **DERIVES DE 5-IMINO-1,2,4-THIADIAZOLES UTILES POUR LE TRAITEMENT DE MALADIES NEURODEGENERESCENTES**

[72] MARTINEZ GIL, ANA, ES
[72] GIL AYUSO-GONTAN, CARMEN, ES
[72] PALOMO RUIZ, VALLE, ES
[72] PEREZ FERNANDEZ, DANIEL, ES
[72] PEREZ MARTIN, CONCEPCION, ES
[72] PEREZ CASTILLO, ANA MARIA, ES
[72] LOZA GARCIA, MARIA ISABEL, ES
[72] CADAVID TORRES, MARIA ISABEL, ES
[72] BREA FLORIANI, JOSE, ES
[73] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS (CSIC), ES
[85] 2012-05-11
[86] 2010-10-04 (PCT/ES2010/070641)
[87] (WO2011/039403)
[30] ES (P 200930787) 2009-10-02

[11] **2,780,719**
[13] C

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[54] **LOW-COMPLEXITY ELECTRONIC CIRCUIT PROTECTED BY CUSTOMIZED MASKING**

[54] **CIRCUIT ELECTRONIQUE DE FAIBLE COMPLEXITE PROTEGE PAR MASQUAGE PERSONNALISE**

[72] GUILLEY, SYLVAIN, FR
[72] DANGER, JEAN-LUC, FR
[73] INSTITUT TELECOM-TELECOM PARISTECH, FR
[85] 2012-05-11
[86] 2010-11-08 (PCT/EP2010/067064)
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[11] **2,780,740**
[13] C

[51] **Int.Cl. C07K 14/44 (2006.01) A61K 39/008 (2006.01) G01N 33/569 (2006.01)**

[25] EN

[54] **THE USE OF AN L3 AND/OR L5 SOURCE AS A VACCINE OR AS A DIAGNOSTIC FOR A PARASITIC DISEASE**

[54] **UTILISATION D'UNE SOURCE DE L3 ET/OU DE L5 COMME VACCIN OU COMME DIAGNOSTIC POUR UNE MALADIE PARASITAIRE**

[72] ALONSO-BEDATE, CARLOS, ES
[72] SOTO-ALVAREZ, MANUEL, ES
[72] RAMIREZ GARCIA, LAURA, ES
[73] LABORATORIOS LETI, S.L., ES
[85] 2012-05-11
[86] 2010-11-12 (PCT/EP2010/067380)
[87] (WO2011/058137)
[30] EP (09175929.0) 2009-11-13
[30] US (61/261,020) 2009-11-13

[11] **2,782,411**
[13] C

[51] **Int.Cl. G07F 13/06 (2006.01) G07F 9/02 (2006.01)**

[25] EN

[54] **BEVERAGE PREPARATION MACHINE COMPRISING AN EXTENDED USER-ADVISORY FUNCTIONALITY**

[54] **MACHINE DE PREPARATION DE BOISSONS DOTEE D'UNE FONCTIONNALITE DE CONSEIL UTILISATEUR ETENDUE**

[72] DELBREIL, MARC, CH
[72] AGON, FABIEN LUDOVIC, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2012-05-30
[86] 2010-11-30 (PCT/EP2010/068473)
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[30] EP (09177744.1) 2009-12-02

[11] **2,782,447**
[13] C

[51] **Int.Cl. B64C 13/00 (2006.01) B64C 19/00 (2006.01) B64D 11/00 (2006.01) B64D 43/00 (2006.01) G05D 1/00 (2006.01) G09G 5/00 (2006.01)**

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[54] **A SIMPLIFIED USER INTERFACE FOR AN AIRCRAFT**

[54] **INTERFACE UTILISATEUR SIMPLIFIEE POUR AERONEF**

[72] WALTER, RANDY LYNN, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2782447)
[87] (2782447)
[22] 2012-07-05
[30] US (13/179,025) 2011-07-08

[11] **2,782,719**
[13] C

[51] **Int.Cl. B01J 33/00 (2006.01) B01J 23/42 (2006.01) H01M 4/88 (2006.01) H01M 4/92 (2006.01) H01M 4/96 (2006.01) H01M 8/1018 (2016.01)**

[25] EN

[54] **SUPPORT FOR CATALYST SUPPORTING, CARRIER WITH SUPPORTED CATALYST, ELECTRODE, AND BATTERY**

[54] **SUPPORT POUR CATALYSE SUPPORTEE, MATERIAU AVEC CATALYSEUR SUPPORTE, ELECTRODE ET CELLULE**

[72] MATSUZAKA, ERINA, JP
[72] KISHIMOTO, TAKEAKI, JP
[72] OZAKI, JUN-ICHI, JP
[73] NISSHINBO HOLDINGS INC., JP
[73] NATIONAL UNIVERSITY CORPORATION GUNMA UNIVERSITY, JP
[85] 2012-06-01
[86] 2010-12-03 (PCT/JP2010/071657)
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[54] **CONTAINMENT PIPE FITTINGS AND METHODS**

[54] **RACCORDS DE TUBES DE RETENUE ET PROCEDES ASSOCIES**

[72] SIXSMITH, THOMAS G., US

[72] MASTRO, PAUL F., US

[72] STVARTAK, CHRISTOPHER J., US

[73] GEORG FISCHER LLC, US

[85] 2012-06-05

[86] 2010-12-14 (PCT/IB2010/003245)

[87] (WO2011/073770)

[30] US (61/286,545) 2009-12-15

[11] **2,783,436**
[13] C

[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/02 (2006.01) F01D 5/26 (2006.01)**

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[54] **CAP FOR CERAMIC BLADE TIP SHROUD**

[54] **BOUCHON POUR LAME EN CERAMIQUE A EMBOUT CARENE**

[72] HEYWARD, JOHN PETER, US

[72] ABBOTT, MICHAEL GEORGE, US

[72] DANOWSKI, MICHAEL JOSEPH, US

[72] KLEINOW, CHAD DANIEL, US

[72] MOOK, JOSHUA TYLER, US

[73] GENERAL ELECTRIC COMPANY, US

[86] (2783436)

[87] (2783436)

[22] 2012-07-19

[30] US (13/192,965) 2011-07-28

[11] **2,783,565**
[13] C

[51] **Int.Cl. G06Q 30/04 (2012.01) F17D 3/00 (2006.01) F17D 3/18 (2006.01) G01F 15/07 (2006.01)**

[25] EN

[54] **MANAGEMENT OF VOLUMETRIC PRODUCT DELIVERY**

[54] **GESTION DE LA LIVRAISON DE PRODUIT VOLUMETRIQUE**

[72] MARGONIS, ELIAS, US

[72] HARPER, CHARLES N., US

[73] L'AIR LIQUIDE-SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2012-06-07

[86] 2010-11-29 (PCT/US2010/058158)

[87] (WO2011/071707)

[30] US (61/285,132) 2009-12-09

[30] US (12/902,549) 2010-10-12

[11] **2,783,624**
[13] C

[51] **Int.Cl. C07D 239/48 (2006.01) C07D 401/10 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01)**

[25] EN

[54] **HETEROARYL COMPOUNDS AND USES THEREOF**

[54] **COMPOSES HETEROARYLE ET UTILISATIONS ASSOCIEES**

[72] SINGH, JUSWINDER, US

[72] PETTER, RUSSELL, US

[72] TESTER, RICHLAND WAYNE, US

[72] KLUGE, ARTHUR F., US

[72] MAZDIYASNI, HORMOZ, US

[72] WESTLIN, WILLIAM FREDERICK, III, US

[72] NIU, DEQIANG, US

[72] QIAO, LIXIN, US

[73] CELGENE CAR LLC, BM

[85] 2012-06-07

[86] 2010-12-29 (PCT/US2010/062432)

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[30] US (12/648,693) 2009-12-29

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[13] C

[51] **Int.Cl. B64C 1/14 (2006.01)**

[25] FR

[54] **FRANGIBLE JOINT MECHANISM FOR A PLATFORM PARTITION, PARTITION, SET AND ASSOCIATED METHODS**

[54] **MECANISME D'ARTICULATION FRANGIBLE POUR UNE CLOISON DE PLATEFORME, CLOISON, ENSEMBLE ET PROCEDE ASSOCIES**

[72] PLE, MICHAEL, FR

[73] DASSAULT AVIATION, FR

[86] (2783706)

[87] (2783706)

[22] 2012-07-20

[30] FR (11 02 296) 2011-07-22

[11] **2,784,509**
[13] C

[51] **Int.Cl. C22C 14/00 (2006.01) C22F 1/18 (2006.01)**

[25] EN

[54] **PRODUCTION OF HIGH STRENGTH TITANIUM**

[54] **PRODUCTION DE TITANE HAUTE RESISTANCE**

[72] BRYAN, DAVID J., US

[73] ATI PROPERTIES LLC, US

[85] 2012-06-13

[86] 2010-12-29 (PCT/US2010/062284)

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[25] EN

[54] **IMPROVED METHOD OF ADMINISTERING .BETA.-HYDROXY-.BETA.-METHYLBUTYRATE (HMB)**

[54] **PROCEDE AMELIORE PERMETTANT D'ADMINISTRER DU .BETA.-HYDROXY-.BETA.-METHYLBUTYRATE (HMB)**

[72] RATHMACHER, JOHN, US

[72] FULLER, JOHN, US

[72] BAIER, SHAWN, US

[72] NISSEN, STEVE, US

[72] ABUMRAD, NAJI, US

[73] METABOLIC TECHNOLOGIES, INC., US

[85] 2012-06-15

[86] 2010-12-20 (PCT/US2010/061367)

[87] (WO2011/075741)

[30] US (61/287,857) 2009-12-18

[11] **2,785,783**
[13] C

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[25] EN

[54] **BRIGHT COLORED SURFACE LAYER**

[54] **COUCHE DE SURFACE COLOREE BRILLANTE**

[72] ZIEGLER, GOERAN, SE

[72] LINDGREN, KENT, SE

[73] VALINGE INNOVATION AB, SE

[85] 2012-06-27

[86] 2010-12-22 (PCT/SE2010/051472)

[87] (WO2011/087422)

[30] SE (1050037-9) 2010-01-15

[11] **2,787,015**
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[51] **Int.Cl. C12Q 1/68 (2018.01) A01H 6/46 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6895 (2018.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01)**

[25] EN

[54] **GENETIC LOCI ON MAIZE CHROMOSOMES 3 AND 4 THAT ARE ASSOCIATED WITH FUSARIUM EAR MOLD RESISTANCE**

[54] **LOCUS GENETIQUES SUR LES CHROMOSOMES 3 ET 4 DU MAIS QUI SONT ASSOCIES A LA RESISTANCE DE LA MOISSURE DES EPIS FUSARIUM**

[72] TOMAS, ADRIANA, US

[72] LAYTON, JAMIE ANNE, US

[72] LUCK, STANLEY, US

[73] E. I. DU PONT DE NEMOURS AND COMPANY, US

[85] 2012-07-09

[86] 2011-01-26 (PCT/US2011/022489)

[87] (WO2011/094247)

[30] US (61/298,233) 2010-01-26

[11] **2,787,224**
[13] C

[51] **Int.Cl. C09J 103/02 (2006.01) C09J 129/04 (2006.01)**

[25] EN

[54] **IMPROVED ADHESIVE COMPOSITION**

[54] **COMPOSITION ADHESIVE AMELIOREE**

[72] CEULEMANS, PHILIPPE, BE

[72] CEULEMANS, OLIVIER, BE

[72] BLOMME, JEAN LOUIS, FR

[73] C-IP S.A., LU

[85] 2012-07-16

[86] 2011-01-12 (PCT/EP2011/050341)

[87] (WO2011/089053)

[30] BE (2010/0028) 2010-01-19

[30] EP (10170187.8) 2010-07-20

[30] EP (10177355.4) 2010-09-17

[11] **2,788,658**
[13] C

[51] **Int.Cl. B32B 25/00 (2006.01) B32B 7/12 (2006.01) B32B 37/10 (2006.01) B32B 37/26 (2006.01) D04H 11/00 (2006.01)**

[25] EN

[54] **RECYCLABLE SURFACE COVERING AND METHOD AND SYSTEM FOR MANUFACTURING A RECYCLABLE SURFACE COVERING**

[54] **REVETEMENT DE SURFACE RECYCLABLE, ET PROCEDE ET SYSTEME POUR LA FABRICATION D'UN REVETEMENT DE SURFACE RECYCLABLE**

[72] DODGE, ARTHUR B., III, US

[72] MCFALLS, JOHN, US

[73] ECORE INTERNATIONAL INC., US

[85] 2012-08-01

[86] 2010-11-12 (PCT/US2010/056548)

[87] (WO2011/096971)

[30] US (61/301,468) 2010-02-04

[30] US (12/756,954) 2010-04-08

[11] **2,788,720**
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/337 (2006.01) A61K 31/475 (2006.01) A61K 31/675 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **MEDICAMENT FOR TREATING AND/OR PREVENTING CANCER**

[54] **AGENT PHARMACEUTIQUE DESTINE AU TRAITEMENT ET/OU A LA PREVENTION DU CANCER**

[72] IDO, TAKAYOSHI, JP

[72] OKANO, FUMIYOSHI, JP

[72] NARITA, YOSHINORI, JP

[73] TORAY INDUSTRIES, INC., JP

[85] 2012-07-30

[86] 2011-02-04 (PCT/JP2011/052414)

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[30] JP (2010-023455) 2010-02-04

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[13] C

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[25] EN
[54] **CLEANING AND DEWATERING FINE COAL**
[54] **NETTOYAGE ET DESHYDRATATION DE FINES DE CHARBON**
[72] YOON, ROE-HOAN, US
[72] ERAYDIN, KEREM, US
[72] FREELAND, CHAD, US
[73] VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., US
[85] 2012-07-25
[86] 2011-01-31 (PCT/US2011/023161)
[87] (WO2011/094680)
[30] US (61/300,270) 2010-02-01

[11] **2,789,801**
[13] C

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/06 (2006.01) A61M 16/16 (2006.01) A61M 16/20 (2006.01) A61M 39/00 (2006.01)**
[25] EN
[54] **SEAL FOR VARIABLE COMPRESSION INTERFACES**
[54] **JOINT D'ETANCHEITE POUR INTERFACES A COMPRESSION VARIABLE**
[72] LABOLLITA, STEVE, US
[72] RUSTAD, ANDRE M., US
[73] CAREFUSION 207, INC., US
[85] 2012-08-10
[86] 2011-03-15 (PCT/US2011/028456)
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[11] **2,791,651**
[13] C

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[25] EN
[54] **COMPOUNDS FOR IMMUNOPROTEASOME INHIBITION**
[54] **COMPOSES POUR INHIBITION DE L'IMMUNOPROTEASOME**
[72] SHENK, KEVIN D., US
[72] PARLATI, FRANCESCO, US
[72] BENNETT, MARK K., US
[73] ONYX THERAPEUTICS, INC., US
[85] 2012-08-30
[86] 2011-03-01 (PCT/US2011/026629)
[87] (WO2011/109355)
[30] US (61/309,366) 2010-03-01

[11] **2,789,259**
[13] C

[51] **Int.Cl. C07F 9/6561 (2006.01) A61K 31/675 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS TO TREAT CARDIAC DISEASES**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DES MALADIES CARDIAQUES**
[72] LIANG, BRUCE, US
[72] JACOBSON, KENNETH A., US
[72] JOSHI, BHALCHANDRA V., US
[72] KUMAR, THATIKONDA SANTHOSH, US
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[73] UNIVERSITY OF CONNECTICUT, US
[85] 2012-08-08
[86] 2011-02-22 (PCT/US2011/025680)
[87] (WO2011/103552)
[30] US (61/306,687) 2010-02-22

[11] **2,790,089**
[13] C

[51] **Int.Cl. C23C 28/00 (2006.01) B23P 6/00 (2006.01) C23C 8/06 (2006.01) C25D 3/50 (2006.01) F01D 5/12 (2006.01)**
[25] EN
[54] **METHOD FOR REFURBISHING PTAL COATING TO TURBINE HARDWARE REMOVED FROM SERVICE**
[54] **METHODE DE RENOVATION D'UN REVETEMENT PTAL POUR LA QUINCAILLERIE DE TURBINE MISE HORS SERVICE**
[72] WOODARD, NICHOLAS SHAWN, US
[72] RUCKER, MICHAEL H., US
[72] CUPITO, JOHN LOUIS, US
[72] WORTHING, RICHARD R., JR., US
[72] KING, ALBERT, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2790089)
[87] (2790089)
[22] 2012-09-13
[30] US (13/242,548) 2011-09-23

[11] **2,792,126**
[13] C

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[25] EN
[54] **DIAGNOSTIC KIT, CONTAINER CONTAINING THE DIAGNOSTIC KIT AND METHOD, FOR THE DETERMINATION OF COAGULATION CHARACTERISTICS OF A TEST LIQUID**
[54] **TROUSSE DE DIAGNOSTIC, CONTENANT RENFERMANT LA TROUSSE DE DIAGNOSTIC ET METHODE DE DETERMINATION DES CARACTERISTIQUES DE COAGULATION D'UN LIQUIDE DE TEST**
[72] SCHUBERT, AXEL, DE
[73] C A CASYSO AG, CH
[85] 2012-09-05
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[87] (WO2011/120556)

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[13] C

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[25] EN

[54] **METHOD FOR BREAST CANCER RECURRENCE PREDICTION UNDER ENDOCRINE TREATMENT**

[54] **PROCEDE POUR PREDIRE LA RECURRENCE DU CANCER DU SEIN SOUS TRAITEMENT ENDOCRINIEN**

[72] DARTMANN, MAREIKE, DE

[72] FEDER, INKE SABINE, DE

[72] GEHRMANN, MATHIAS, DE

[72] HENNIG, GUIDO, DE

[72] WEBER, KARSTEN, DE

[72] VON TORNE, CHRISTIAN, DE

[72] KRONENWETT, RALF, DE

[72] PETRY, CHRISTOPH, DE

[73] SIVIDON DIAGNOSTICS GMBH, DE

[85] 2012-09-13

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[13] C

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[54] **MEDICAL DEVICE RETRIEVAL KIT**

[54] **TROUSSE DE RETRAIT DE DISPOSITIF MEDICAL**

[72] WILLIAMS, JAMIE, US

[73] WILLIAMS, JAMIE, US

[86] (2793333)

[87] (2793333)

[22] 2012-10-26

[30] US (61/552,659) 2011-10-28

[30] US (13/657,276) 2012-10-22

[11] **2,794,808**
[13] C

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[25] EN

[54] **COMPOUNDS FOR THE TREATMENT OF DISEASES ASSOCIATED WITH AMYLOID OR AMYLOID-LIKE PROTEINS**

[54] **COMPOSES DESTINES AU TRAITEMENT DE MALADIES ASSOCIEES AUX PROTEINES AMYLOIDES OU DE TYPE AMYLOIDE**

[72] KROTH, HEIKO, CH

[72] HAMEL, COTINICA, CH

[72] BENDERITTER, PASCAL, CH

[72] FROESTL, WOLFGANG, CH

[72] SREENIVASACHARY, NAMPALLY, CH

[72] MUHS, ANDREAS, CH

[73] AC IMMUNE S.A., CH

[85] 2012-09-27

[86] 2011-04-15 (PCT/EP2011/056068)

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[30] EP (10191616.1) 2010-11-17

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[13] C

[51] **Int.Cl. G01J 3/45 (2006.01)**

[25] EN

[54] **ACQUISITION OF A SPECTRALLY RESOLVED IMAGE BY READING OUT DIFFERENT SUB-ARRAYS IN MULTIPLE INTERFEROMETER PASSES**

[54] **ACQUISITION D'IMAGE RESOLUE SPECTRALEMENT PAR LA LECTURE DE DIFFERENTS SOUS-ENSEMBLES DANS PLUSIEURS PASSAGES D'INTERFEROMETRE**

[72] HARIG, ROLAND, DE

[72] GERHARD, JOERN-HINNRICH, DE

[73] BRUKER OPTIK GMBH, DE

[86] (2795026)

[87] (2795026)

[22] 2012-11-08

[30] DE (10 2011 086 226.9) 2011-11-11

[11] **2,795,309**
[13] C

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[54] **BAR MADE OF NOBLE METAL, AND PRODUCTION METHOD**

[54] **LINGOTS DE METAL PRECIEUX ET PROCEDE DE FABRICATION**

[72] LOCHMANN, DOMINIK, DE

[73] ESG EDELMETALL-SERVICE GMBH & CO. KG, DE

[85] 2012-09-13

[86] 2011-06-15 (PCT/EP2011/059879)

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[30] DE (10 2010 030 128.0) 2010-06-15

[30] DE (10 2010 044 199.6) 2010-11-20

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[13] C

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[25] FR

[54] **STATINS FOR THE PREVENTION OR TREATMENT OF DRUG ADDICTIONS**

[54] **STATINES POUR LA PREVENTION OU LE TRAITEMENT DES ADDICTIONS AUX DROGUES**

[72] SOLINAS, MARCELLO, FR

[72] CHAUVET, CLAUDIA, FR

[72] JABER, MOHAMED, FR

[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[73] UNIVERSITE DE POITIERS, FR

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[86] 2011-04-05 (PCT/IB2011/051457)

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[30] FR (10 01581) 2010-04-14

[11] **2,797,070**
[13] C

[51] **Int.Cl. F03D 7/02 (2006.01) F03D 3/06 (2006.01)**

[25] EN

[54] **LIFT-BASED VERTICAL AXIS WIND TURBINE**

[54] **EOLIENNE A AXE VERTICALE SUR UNE BASE SOULEVEE**

[72] HAAR, JONATHAN, US

[73] EASTERN WIND POWER, US

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[86] 2011-04-08 (PCT/US2011/031702)

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[25] EN
[54] **COMBINED USE OF T3 AND ANTI-THYROID AGENT FOR TREATING CANCER**
[54] **UTILISATION COMBINEE DE T3 ET D'AGENT ANTI-THYROIDIEN POUR LE TRAITEMENT DU CANCER**
[72] ASHUR-FABIAN, OSNAT, IL
[72] HERCBERGS, ALECK, US
[73] ASHUR-FABIAN, OSNAT, IL
[73] HERCBERGS, ALECK, US
[85] 2012-10-26
[86] 2011-04-28 (PCT/IL2011/000346)
[87] (WO2011/135574)
[30] US (61/328,825) 2010-04-28

[11] **2,797,977**
[13] C

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[25] EN
[54] **INNOVATIVE DISCOVERY OF THERAPEUTIC, DIAGNOSTIC, AND ANTIBODY COMPOSITIONS RELATED TO PROTEIN FRAGMENTS OF PHENYLALANYL-ALPHA-TRNA SYNTHETASES**
[54] **DECOUVERTE INNOVANTE DE COMPOSITIONS THERAPEUTIQUES, DIAGNOSTIQUES ET A BASE D'ANTICORPS LIEES A DES FRAGMENTS PROTEIQUES DE PHENYLALANYL-ALPHA-ARNT-SYNTHETASES**
[72] GREENE, LESLIE ANN, US
[72] CHIANG, KYLE P., US
[72] HONG, FEI, US
[72] VASSEROT, ALAIN P., US
[72] LO, WING-SZE, CN
[72] WATKINS, JEFFRY D., US
[72] MENDLEIN, JOHN D., US
[72] QUINN, CHERYL L., US
[73] ATYR PHARMA, INC., US
[73] PANGU BIOPHARMA LIMITED, CN
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[87] (WO2011/140132)
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[11] **2,798,031**
[13] C

[51] **Int.Cl. G01N 33/487 (2006.01)**
[25] EN
[54] **UNDERFILL MANAGEMENT SYSTEM FOR A BIOSENSOR**
[54] **SYSTEME DE GESTION D'INSUFFISANCE DE REMPLISSAGE POUR BIOCAPTEUR**
[72] WU, PING, US
[72] MAURER, ERIC, US
[73] ASCENSIA DIABETES CARE HOLDINGS AG, CH
[85] 2012-10-30
[86] 2011-06-07 (PCT/US2011/039382)
[87] (WO2011/156325)
[30] US (61/352,234) 2010-06-07

[11] **2,798,197**
[13] C

[51] **Int.Cl. B41J 2/165 (2006.01) B41J 2/155 (2006.01)**
[25] EN
[54] **INKJET RECORDING APPARATUS**
[54] **APPAREIL D'ENREGISTREMENT A JET D'ENCRE**
[72] IZAWA, HIDEO, JP
[72] ISHIKAWA, AKIRA, JP
[72] YAMAZAKI, YUUICHI, JP
[72] OYAMA, KOUICHI, JP
[72] SATO, MASAHITO, JP
[73] MIYAKOSHI PRINTING MACHINERY CO., LTD., JP
[86] (2798197)
[87] (2798197)
[22] 2012-12-06
[30] JP (2012-033646) 2012-02-20

[11] **2,799,372**
[13] C

[51] **Int.Cl. C10G 9/00 (2006.01)**
[25] EN
[54] **TRANSFER LINE EXCHANGER**
[54] **ECHANGEUR A LIGNE DE TRANSFERT**
[72] CLAVELLE, ERIC, CA
[72] YAJURE, EDGAR, CA
[72] BENUM, LESLIE WILFRED, CA
[72] FOY, EDWARD CHRISTOPHER, CA
[72] EISENHAWER, DAVID, CA
[73] NOVA CHEMICALS CORPORATION, CA
[86] (2799372)
[87] (2799372)
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[13] C

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[25] FR
[54] **METHOD FOR DETERMINING THE TORQUE AND/OR ANGULAR SPEED OF A ROTATING SHAFT AND DEVICE FOR CARRYING OUT SAME**
[54] **PROCEDE DE DETERMINATION DU COUPLE DE TORSION ET/OU DE LA VITESSE ANGULAIRE D'UN ARBRE EN ROTATION ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE**
[72] AMEIL, JEAN-MICHEL, FR
[72] BRICHLER, THIERRY, FR
[73] SNECMA, FR
[85] 2012-11-16
[86] 2011-05-19 (PCT/FR2011/051141)
[87] (WO2011/144874)
[30] FR (1053973) 2010-05-21

[11] **2,799,869**
[13] C

[51] **Int.Cl. F22B 37/38 (2006.01) F22B 37/00 (2006.01) F22B 37/76 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING LOCATION DATA FOR PIPES IN A STEAM GENERATOR**
[54] **SYSTEME ET METHODE DE DETERMINATION DE DONNEES D'EMPLACEMENT POUR DES TUYAUX DANS UN GENERATEUR DE VAPEUR**
[72] YANG, XINGWEI, US
[72] KUMAR, ADITYA, US
[72] CAN, ALI, US
[72] WANG, GUANGHUA, US
[73] BL TECHNOLOGIES, INC., US
[86] (2799869)
[87] (2799869)
[22] 2012-12-20

[11] **2,801,120**
[13] C

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[25] EN
[54] **PROCESS FOR MAKING DRY AND STABLE HEMOSTATIC COMPOSITIONS**
[54] **PROCEDE DE FABRICATION DE COMPOSITIONS HEMOSTATIQUES SOUS FORME SECHE ET STABLE**
[72] GOESSL, ANDREAS, AT
[72] OSAWA, ATSUSHI EDWARD, US
[72] REICH, CARY J., US
[73] BAXTER INTERNATIONAL INC., US
[73] BAXTER HEALTHCARE S.A., CH
[85] 2012-11-29
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[87] (WO2011/151400)
[30] US (61/350,214) 2010-06-01

[11] **2,801,345**
[13] C

[51] **Int.Cl. B65B 31/00 (2006.01) B65D 81/24 (2006.01)**
[25] EN
[54] **TREATMENT OF MODIFIED ATMOSPHERE PACKAGING**
[54] **TRAITEMENT D'EMBALLAGE POUR LE CONDITIONNEMENT SOUS ATMOSPHERE MODIFIEE**
[72] MACHADO, CRAIG D., US
[73] FRESHTEC, INC., US
[85] 2012-11-30
[86] 2011-04-19 (PCT/US2011/033088)
[87] (WO2011/133575)
[30] US (61/325,816) 2010-04-19
[30] US (13/090,096) 2011-04-19

[11] **2,801,713**
[13] C

[51] **Int.Cl. B01D 11/02 (2006.01) A61K 31/14 (2006.01) C07F 9/54 (2006.01)**
[25] EN
[54] **PROCESS FOR EXTRACTING MATERIALS FROM BIOLOGICAL MATERIAL**
[54] **PROCEDES D'EXTRACTION DE MATERIAUX A PARTIR D'UN MATERIAU BIOLOGIQUE**
[72] VAN SPRONSEN, JACOB, NL
[72] WITKAMP, GEERT-JAN, NL
[72] HOLLMAN, FRANK, NL
[72] CHOI, YOUNG HAE, NL
[72] VERPOORTE, ROBERT, NL
[73] UNIVERSITEIT LEIDEN, NL
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[86] 2011-06-07 (PCT/NL2011/050407)
[87] (WO2011/155829)
[30] NL (2004835) 2010-06-07

[11] **2,801,838**
[13] C

[51] **Int.Cl. A61M 16/10 (2006.01) A61K 33/00 (2006.01) B01D 53/02 (2006.01)**
[25] FR
[54] **CONTROL PROCESS FOR A FACILITY FOR ON-SITE PRODUCTION OF MEDICAL GAS AND ASSOCIATED FACILITY**
[54] **PROCEDE DE PILOTAGE D'UNE INSTALLATION DE PRODUCTION SUR SITE DE GAZ MEDICAL ET INSTALLATION ASSOCIEE**
[72] BONGERS, KARSTEN, DE
[72] FRANKEN, HARTMUT, DE
[72] MAAMAR, KAIS, DE
[72] NEU, PETER, DE
[72] SOMMIER, VINCENT, FR
[73] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[86] (2801838)
[87] (2801838)
[22] 2013-01-11
[30] EP (12 155 273.1) 2012-02-14

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[54] **ADJUSTABLE ABRASIVE SHARPENER**
[54] **AFFUTEUR ABRASIF REGLABLE**
[72] SMITH, RICHARD S., US
[72] CHALFANT, LOUIS, US
[73] SMITH'S CONSUMER PRODUCTS, INC., US
[86] (2802382)
[87] (2802382)
[22] 2013-01-15
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[30] US (13/660,994) 2012-10-25

[11] **2,802,632**
[13] C

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[25] EN
[54] **MICROBIAL PROCESS AND COMPOSITION FOR AGRICULTURAL USE**
[54] **PROCEDE MICROBIEN ET COMPOSITION A USAGE AGRICOLE**
[72] LOPEZ-CERVANTES, JAIME, MX
[72] ROCHIN, KARL REINER FICK, MX
[73] AGRINOS AS, NO
[85] 2012-12-13
[86] 2011-06-15 (PCT/EP2011/059936)
[87] (WO2011/157747)
[30] US (61/355,447) 2010-06-16

[11] **2,803,347**
[13] C

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[25] EN
[54] **METHOD AND APPARATUS FOR REDUCING MINERAL SCALING POTENTIAL OF WATER**
[54] **METHODE ET APPAREIL DE REDUCTION DU POTENTIEL DE DEPOT MINERAL DE L'EAU**
[72] ROBAKOWSKI, EDWARD, US
[72] BROTMAN, MARK J., US
[72] BROWN, KEITH E., US
[73] KINETICO INCORPORATED, US
[85] 2012-12-19
[86] 2011-06-22 (PCT/US2011/041450)
[87] (WO2011/163361)
[30] US (61/357,218) 2010-06-22

[11] **2,803,522**
[13] C

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[25] EN
[54] **USE OF CHICORIC ACID AND DERIVATIVES FOR REGULATING SKIN PIGMENTATION**
[54] **UTILISATION D'ACIDE CHICORIQUE ET DE SES DERIVES POUR REGULER LA PIGMENTATION DE LA PEAU**
[72] GUITARD, MARJORIE, CH
[72] BEL RHLID, RACHID, CH
[72] MOODYCLIFFE, ANGUS, CH
[72] DIONISI, FABIOLA, CH
[73] L'OREAL, FR
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2012-12-20
[86] 2011-06-28 (PCT/EP2011/060765)
[87] (WO2012/000960)
[30] EP (10167866.2) 2010-06-30

[11] **2,803,568**
[13] C

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[25] EN
[54] **PREPREG PASTING STATE INSPECTION APPARATUS**
[54] **APPAREIL D'INSPECTION D'ETAT DE PATE PREIMPRGNE**
[72] ABE, SHOJI, JP
[72] TOKIDA, KATSUO, JP
[73] SANYO MACHINE WORKS, LTD., JP
[86] (2803568)
[87] (2803568)
[22] 2013-01-24
[30] JP (2012-016944) 2012-01-30

[11] **2,804,226**
[13] C

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[25] EN
[54] **FOOD PROCESSOR WITH EXTERNAL CONTROL FOR OPERATING AN ADJUSTABLE CUTTING TOOL**
[54] **ROBOT DE CUISINE A COMMANDE EXTERNE POUR REGLER UN OUTIL DE COUPE REGLABLE**
[72] BEBER, KEVIN J., US
[72] CONTI, MICHAEL P., US
[72] PAGET, PAUL S., US
[73] WHIRLPOOL CORPORATION, US
[86] (2804226)
[87] (2804226)
[22] 2013-01-31
[30] US (13/414,827) 2012-03-08

[11] **2,804,346**
[13] C

- [51] **Int.Cl. H04R 5/02 (2006.01) H04S 5/02 (2006.01)**
[25] EN
[54] **3D SOUND REPRODUCING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE REPRODUCTION DE SON 3D**
[72] KIM, SUN-MIN, KR
[72] PARK, YOUNG-JIN, KR
[72] JO, HYUN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[73] KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, KR
[85] 2013-01-03
[86] 2011-07-06 (PCT/KR2011/004937)
[87] (WO2012/005507)
[30] US (61/362,014) 2010-07-07
[30] KR (10-2010-0137232) 2010-12-28
[30] KR (10-2011-0034415) 2011-04-13

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[13] C

[51] **Int.Cl. G01N 21/954 (2006.01)**
[25] EN
[54] **IMAGING DEVICE WITH FOCUSED ILLUMINATION**
[54] **DISPOSITIF D'IMAGERIE AVEC ECLAIRAGE CONCENTRE**
[72] DROST, JEFFREY D., US
[72] WALKER, BILL, US
[72] LYNCH, CHRIS, US
[72] LINDNER, RICHARD, US
[73] ENVIROSIGHT LLC, US
[85] 2013-01-10
[86] 2011-06-23 (PCT/US2011/041655)
[87] (WO2011/163493)
[30] US (61/357,763) 2010-06-23
[30] US (61/485,326) 2011-05-12

[11] **2,806,633**
[13] C

[51] **Int.Cl. C07D 471/10 (2006.01) A61K 31/438 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **CIS-TETRAHYDRO-SPIRO(CYCLOHEXANE-1,1'-PYRIDO[3,4-B]INDOLE)-4-AMINE DERIVATIVES**
[54] **DERIVES DE CIS-TETRAHYDRO-SPIRO(CYCLOHEXAN-1,1'-PYRIDO[3,4-B]INDOLE)-4-AMINE**
[72] LINZ, KLAUS, DE
[72] ZEMOLKA, SASKIA, DE
[72] NOLTE, BERT, DE
[72] SCHUNK, STEFAN, DE
[72] SCHICK, HANS, DE
[73] GRUENENTHAL GMBH, DE
[85] 2013-01-25
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[54] **MATERIAU REFRACTAIRE COULABLE EN GRAPHITE MONOLITHIQUE**
[72] MA, YUECHU, US
[72] DOZA, DOUGLAS K., US
[72] GREEN, TIMOTHY M., US
[72] GOSKI, DANA G., US
[73] ALLIED MINERAL PRODUCTS, INC., US
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[54] **A TRANSDERMAL DRUG ADMINISTRATION DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT TRANSDERMIQUE**
[72] ENGQVIST, HAKAN, SE
[72] BREDENBERG, SUSANNE, SE
[72] PETTERSSON, ANDERS, SE
[72] LUNDQVIST, THOMAS, SE
[72] DAHLGREN, ANNA, SE
[72] SAGSTROM, ANDERS, SE
[73] EPLICURE AB, SE
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[54] **PBI MODIFICATION AND CROSS-LINKING METHODS**
[54] **METOHDES DE MODIFICATION ET RETICULATION DE PBI**
[72] BLUM, STEPHAN RUDIGER, CA
[72] KLEINE, KATHARINA, DE
[72] BREMSER, WOLFGANG, DE
[73] WHITE FOX TECHNOLOGIES LTD., GB
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[54] **STENT-VALVE, DELIVERY APPARATUS AND DELIVERY METHOD**
[54] **VALVE D'ENDOPROTHESE CARDIAQUE, APPAREIL DE DELIVRANCE ET PROCEDE DE DELIVRANCE**
[72] LOMBARDI, FABIEN, CH
[72] ESSINGER, JACQUES, CH
[72] DELALOYE, STEPHANE, CH
[72] HEFTI, JEAN-LUC, CH
[72] MANTANUS, LUC, CH
[72] BIADILLAH, YOUSSEF, CH
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- [54] **PROGRAMMABLE MULTIMEDIA CONTROL SYSTEM HAVING A TACTILE REMOTE CONTROL**
- [54] **SYSTEME DE COMMANDE MULTIMEDIA PROGRAMMABLE A TELECOMMANDE TACTILE**
- [72] CORSINI, PETER H., US
- [72] LOCASCIO, TIMOTHY R., US
- [72] NOONAN, MICHAEL E., US
- [72] SILVA, MICHAEL C., US
- [73] SAVANT SYSTEMS, LLC, US
- [85] 2013-03-14
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- [54] **PROCEDE DE CONCENTRATION D'ACIDES GRAS OMEGA 3**
- [72] BREIVIK, HARALD, NO
- [72] THORSTAD, OLAV, NO
- [72] LIBNAU, FRED OLAV, NO
- [73] PRONOVA BIOPHARMA NORGE AS, NO
- [85] 2013-03-22
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- [54] **FOOD DISPENSER**
- [54] **DISTRIBUTEUR DE NOURRITURE**
- [72] DZIERSK, MARK DIETER, US
- [72] SHOEMAKER, JAMES A, US
- [72] CURRAT, OLIVIER FRANCK, US
- [72] BOER, HARRY EVERT, GB
- [73] UNILEVER PLC, GB
- [85] 2013-03-27
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- [72] BOX, JOHN CLARENCE, AU
- [73] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
- [85] 2013-03-28
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- [25] EN
- [54] **TRIMEGESTONE (TMG) FOR TREATMENT OF PRETERM BIRTH**
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- [72] GARFIELD, ROBERT E., US
- [72] SHI, SHAO-QING, US
- [72] SHI, LEILL, US
- [73] DIGNITY HEALTH, US
- [85] 2013-04-02
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- [25] EN
- [54] **CORNER PATCHES AND METHODS FOR TPO ROOFING**
- [54] **MEMBRANES D'ANGLE ET PROCEDES D'APPLICATION DE MEMBRANES DE COUVERTURE EN POLYOLEFINE THERMOPLASTIQUE**
- [72] RAILKAR, SUDHIR, US
- [73] BUILDING MATERIALS INVESTMENT CORPORATION, US
- [86] (2814153)
- [87] (2814153)
- [22] 2013-04-23
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- [25] EN
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- [54] **ACIER POUR AUBE DE TURBINE A VAPEUR OFFRANT UNE EXCELLENTE RESISTANCE**
- [72] TAKABAYASHI, HIROYUKI, JP
- [72] UETA, SHIGEKI, JP
- [73] DAIDO STEEL CO., LTD., JP
- [86] (2814293)
- [87] (2814293)
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- [72] LILJA, ANDERS, US
- [72] LOOMIS, REBECCA, US
- [72] FRANTI, MICHAEL, US
- [72] MASON, PETER, US
- [73] NOVARTIS AG, CH
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[54] **COMPOSITION DENTAIRE RENFERMANT UN COMPOSE HYDROSOLUBLE STABLE A L'HYDROLYSE**

[72] STELZIG, SIMON, DE

[72] KLEE, JOACHIM E., DE

[72] FACHER, ANDREAS, DE

[72] WEBER, CHRISTOPH, DE

[73] DENTSPLY DETREY GMBH, DE

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[54] **PORTION CAPSULE FOR PRODUCING A BEVERAGE USING A PORTION CAPSULE**

[54] **CAPSULE DOSETTE PERMETTANT DE PREPARER UNE BOISSON AVEC UNE CAPSULE DOSETTE**

[72] KRUEGER, MARC, DE

[72] EMPL, GUENTER, DE

[73] K-FEE SYSTEM GMBH, DE

[85] 2013-04-25

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[25] FR

[54] **SHED-FORMING DEVICE AND LOOM EQUIPED WITH SUCH A DEVICE**

[54] **DISPOSITIF DE FORMATION DE LA FOULE ET METIER A TISSER EQUIPE D'UN TEL DISPOSITIF**

[72] CHAMPION, CLEMENT, FR

[72] VOINCON, DENIS, FR

[72] COMMUNAL, SEBASTIEN, FR

[73] STAUBLI FAVERGES, FR

[86] (2817159)

[87] (2817159)

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[30] FR (12 54 794) 2012-05-24

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[54] **VASCULAR TREATMENT DEVICE**

[54] **DISPOSITIF DE TRAITEMENT VASCULAIRE**

[72] TAL, MICHAEL G., US

[72] MARANO, JOHN P., US

[73] MERIT MEDICAL SYSTEMS, INC., US

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[25] EN

[54] **ELECTROPHOTOGRAPHIC TONER COMPRISING A HIGH-MELTING WAX, A PRINTING SYSTEM FOR APPLYING SAID TONER ON AN IMAGE RECEIVING MEDIUM AND A METHOD FOR PREPARING SAID TONER**

[54] **ENCRE SECHE ELECTROPHOTOGRAPHIQUE RENFERMANT UNE CIRE A HAUT POINT DE FUSION, UN SYSTEME D'IMPRESSION SERVANT A APPLIQUER LADITE ENCRE SECHE SUR UN SUPPORT RECEPTEUR D'IMAGE ET UNE METHODE DE PREPARATION DE LADITEENCRE SECHE.**

[72] EVERHARDUS, ROELOF H., NL

[72] VERHEGGEN, MICHAEL T. J., NL

[72] TIMMERMANS, HENRICUS P. M., NL

[73] OCE-TECHNOLOGIES B.V., NL

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[25] EN

[54] **CAPILLARY METERING DEVICE AND METHOD FOR OPERATING SUCH A CAPILLARY METERING DEVICE**

[54] **DISPOSITIF DE DOSAGE CAPILLAIRE ET PROCEDE DE FONCTIONNEMENT D'UN TEL DISPOSITIF**

[72] WEIGEL, MARCO, DE

[73] HARRO HOFLLIGER VERPACKUNGSMASCHINEN GMBH, DE

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[54] **PROCEDE PERMETTANT DE RECUPERER DU ZINC ET/OU DE L'OXYDE DE ZINC II**
[72] SHAW, RAYMOND WALTER, AU
[72] BARR, NEAL, AU
[73] STEEL DYNAMICS INVESTMENTS, LLC, US
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[54] **METHOD FOR PREPARING AN INDUSTRIAL YEAST, INDUSTRIAL YEAST AND USE IN THE PRODUCTION OF ETHANOL FROM AT LEAST ONE PENTOSE**
[54] **PROCEDE DE PREPARATION D'UNE LEVURE INDUSTRIELLE, LEVURE INDUSTRIELLE ET APPLICATION A LA PRODUCTION D'ETHANOL A PARTIR D'AU MOINS UN PENTOSE**
[72] DESFOUGERES, THOMAS, FR
[72] PIGNEDE, GEORGES, FR
[73] LESAFFRE ET COMPAGNIE, FR
[85] 2013-05-22
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[13] C

- [51] **Int.Cl. H04W 8/20 (2009.01) G06F 21/00 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD FOR REMOTELY DELIVERING A FULL SUBSCRIPTION PROFILE TO A UICC OVER IP**
[54] **PROCEDE POUR ACHEMINER A DISTANCE UN PROFIL D'ABONNEMENT COMPLET A UN UICC SUR IP**
[72] BERARD, XAVIER, FR
[72] GACHON, DENIS, FR
[73] GEMALTO SA, FR
[85] 2013-06-03
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[25] EN
[54] **FOOD CONTAINING MILK CERAMIDE, AND PROCESS FOR PRODUCTION THEREOF**
[54] **ALIMENT CONTENANT DES CERAMIDES DE LAIT ET SON PROCEDE DE PRODUCTION**
[72] UEDA, NORIKO, JP
[72] HIRAMATSU, KAZUHIKO, JP
[72] UENO, HIROSHI, JP
[72] KATOH, KEN, JP
[72] MURAKAMI, KEIKO, JP
[72] KUBO, SHIGEYUKI, JP
[73] MEGMILK SNOW BRAND CO., LTD., JP
[85] 2013-06-03
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[87] (WO2012/090860)
[30] JP (2010-291010) 2010-12-27

[11] **2,820,067**

[13] C

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[25] EN
[54] **MATERIALS AND METHOD FOR DETECTING CYTOMEGALOVIRUS (CMV)**
[54] **SUBSTANCES ET PROCEDE POUR DETECTER LE CYTOMEGALOVIRUS (CMV)**
[72] HO, SHIAOLAN Y., US
[72] BARRY, CATHERINE P., US
[73] ABBOTT MOLECULAR INC., US
[85] 2013-06-04
[86] 2012-01-11 (PCT/US2012/020997)
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[11] **2,820,168**

[13] C

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[25] EN
[54] **IDENTIFICATION OF SURFACE-ASSOCIATED ANTIGENS FOR TUMOR DIAGNOSIS AND THERAPY**
[54] **IDENTIFICATION D'ANTIGENES DE SURFACE POUR LE DIAGNOSTIC ET LA THERAPIE DE TUMEURS**
[72] TURECI, OZLEM, DE
[72] SAHIN, UGUR, DE
[72] SCHNEIDER, SANDRA, DE
[72] HELFTENBEIN, GERD, DE
[72] SCHLUTER, VOLKER, DE
[72] USENER, DIRK, DE
[72] THIEL, PHILIPPE, DE
[72] KOSLOWSKI, MICHAEL, DE
[73] BIONTECH AG, DE
[86] (2820168)
[87] (2820168)
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[62] 2,563,671
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[54] **AN ANCHORING ASSEMBLY, AN ANCHORING NUT FOR USE IN AN ANCHORING ASSEMBLY AND THE USE OF AN ANCHORING ASSEMBLY FOR ANCHORING A LINER OF A CURED LINING MATERIAL**

[54] **ENSEMBLE D'ANCRAGE, ECROU D'ANCRAGE POUR UTILISATION DANS UN ENSEMBLE D'ANCRAGE ET UTILISATION D'UN ENSEMBLE D'ANCRAGE POUR ANCRER UN REVETEMENT D'UN MATERIAU DE REVETEMENT DURCI**

[72] GAROT, WOUTER, NL
[73] SILICON REFRACTORY ANCHORING SYSTEMS B.V., NL

[86] (2820548)
[87] (2820548)
[22] 2013-07-09

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[54] **THAWING VESSEL FOR BIOLOGICAL PRODUCTS**

[54] **RECIPIENT DE DECONGELATION POUR PRODUITS BIOLOGIQUES**

[72] VELAYUDHAN, AJOY, US
[72] LARGE, ROBERT, US
[73] GRIFOLS, S.A., ES

[86] (2820980)
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[25] EN
[54] **INKJET RECORDING APPARATUS**

[54] **APPAREIL D'ENREGISTREMENT A JET D'ENCRE**

[72] IZAWA, HIDEO, JP
[72] NAMIKI, TAKAO, JP
[72] ISHIKAWA, AKIRA, JP
[72] ITABASHI, WATARU, JP
[73] MIYAKOSHI PRINTING MACHINERY CO., LTD., JP

[86] (2821476)
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[54] **PRESSURE SEWER CONTROL SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE COMMANDE D'EGOUTS SOUS PRESSION**

[72] MOON, RODNEY LEONARD, AU
[72] SUTHERLAND, MARTIN ALEXANDER, AU
[72] FORSTER-KNIGHT, ANDREW, AU
[73] SOUTH EAST WATER CORPORATION, AU

[85] 2013-07-03
[86] 2012-07-31 (PCT/AU2012/000903)
[87] (WO2013/149281)
[30] AU (2012901005) 2012-03-14

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[51] **Int.Cl. C22C 21/12 (2006.01) B22D 17/00 (2006.01) B22D 23/00 (2006.01)**

[25] EN
[54] **ALUMINIUM-COPPER ALLOY FOR CASTING**

[54] **ALLIAGE D'ALUMINIUM-CUIVRE POUR LE COULAGE**

[72] FORDE, JOHN, GB
[72] STOTT, WILLIAM, GB
[73] AEROMET INTERNATIONAL PLC, GB

[85] 2013-07-19
[86] 2011-02-10 (PCT/GB2011/050240)
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[30] GB (1002236.6) 2010-02-10

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[25] EN
[54] **SPIRO AMINIC COMPOUNDS WITH NK1 ANTAGONIST ACTIVITY**

[54] **COMPOSES SPIRO-AMINES A UNE ACTIVITE ANTAGONISTE DE NK1**

[72] STASI, LUIGI PIERO, IT
[72] ROVATI, LUCIO, IT
[73] ROTTAPHARM BIOTECH S.R.L., IT

[85] 2013-07-25
[86] 2012-02-01 (PCT/EP2012/051661)
[87] (WO2012/104338)
[30] EP (11153047.3) 2011-02-02

[11] **2,825,951**
[13] C

[51] **Int.Cl. C07K 14/325 (2006.01) A01H 5/00 (2018.01) A01N 63/02 (2006.01) A01P 5/00 (2006.01) A01P 7/04 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 15/29 (2006.01) C12N 15/32 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**

[25] EN
[54] **PESTICIDAL NUCLEIC ACIDS AND PROTEINS AND USES THEREOF**

[54] **ACIDES NUCLEIQUES ET PROTEINES PESTICIDES ET UTILISATIONS ASSOCIEES**

[72] BOWEN, DAVID J., US
[72] BUNKERS, GREGORY J., US
[72] CHAY, CATHERINE, US
[72] PITKIN, JOHN W., US
[72] RYDEL, TIMOTHY J., US
[72] STURMAN, ERIC J., US
[72] SUKURU, UMA RAO, US
[72] VAN SCOYOC, BROOK, US
[72] FLASINSKI, STANISLAW, US
[73] MONSANTO TECHNOLOGY LLC, US

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[54] **ALIGNMENT DEVICE FOR DISTAL TARGETING**
[54] **DISPOSITIF D'ALIGNEMENT DESTINE A UN CIBLAGE DISTAL**
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[73] DEPUY SYNTHES PRODUCTS, INC., US
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[30] US (61/437,182) 2011-01-28

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[54] **ASYMMETRIC REDUCTION PROCESS FOR PREPARATION OF DORZOLAMIDE**
[54] **PROCEDE DE REDUCTION ASYMETRIQUE POUR LA PREPARATION DE DORZOLAMIDE**
[72] VOLPICELLI, RAFFAELLA, IT
[72] ANDRETTO, MAURO, IT
[72] COTARCA, LIVIUS, IT
[72] NARDI, ANTONIO, IT
[72] VERZINI, MASSIMO, IT
[73] F.I.S. - FABBRICA ITALIANA SINTETICI S.P.A., IT
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[13] C

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[54] **COST EFFECTIVE PLASMA COMBINED HEAT AND POWER SYSTEM**
[54] **SYSTEME PEU COUTEUX DE CHALEUR ET ENERGIE COMBINE AU PLASMA**
[72] JURANITCH, JAMES CHARLES, US
[73] PLASMA TECH HOLDINGS, LLC, US
[85] 2013-08-09
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[30] US (61/525,708) 2011-08-19
[30] US (61/526,248) 2011-08-22
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[54] **LUBRICATING COMPOSITION AND METHOD OF LUBRICATING DRIVELINE DEVICE**
[54] **COMPOSITION LUBRIFIANTE ET PROCEDE DE LUBRIFICATION D'UN DISPOSITIF DE TRANSMISSION**
[72] BARTON, WILLIAM R. S., GB
[73] THE LUBRIZOL CORPORATION, US
[85] 2013-08-15
[86] 2012-02-15 (PCT/US2012/025159)
[87] (WO2012/112635)
[30] US (61/443, 329) 2011-02-16

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[25] EN
[54] **METHOD FOR THE MANUFACTURE OF A POLYHYDROXY-CARBOXYLIC ACID**
[54] **PROCEDE DE FABRICATION D'UN ACIDE POLYHYDROXYCARBOXYLIQUE**
[72] STEPANSKI, MANFRED, CH
[72] LOVIAT, FRANCOIS, CH
[72] KUSZLIK, ANDRZEJ, CH
[73] SULZER CHEMTECH AG, CH
[85] 2013-08-16
[86] 2011-11-15 (PCT/EP2011/070168)
[87] (WO2012/110117)
[30] EP (11154929.1) 2011-02-18
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[30] EP (11187571.2) 2011-11-02

[11] **2,828,646**
[13] C

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[25] EN
[54] **SHOE BRACKET ASSEMBLY FOR ATTACHMENT TO A BOTTOM OF A RAIL OF LADDER**
[54] **ENSEMBLE TAQUET DE PATIN POUR FIXATION A LA PARTIE INFERIEURE D'UN MONTANT D'UNE ECHELLE**
[72] REYNA LERMA, ARTURO, MX
[72] SALAZAR GARCIA, JOSE ALFREDO, MX
[73] LOUISVILLE LADDER INC., US
[86] (2828646)
[87] (2828646)
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[25] EN
[54] **IMPLANTABLE SYSTEMS AND METHODS FOR REMOVING SPECIFIC IMPURITIES FROM FLUIDS SUCH AS BLOOD**
[54] **SYSTEMES IMPLANTABLES ET PROCEDES POUR ELIMINER DES IMPURETES SPECIFIQUES DE FLUIDES TELS QUE LE SANG**
[72] HERSCHMAN, ZVI, US
[73] HERSCHMAN, ZVI, US
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[13] C

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING HYPERURICEMIA AND METABOLIC DISORDERS ASSOCIATED WITH HYPERURICEMIA**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'HYPERURICEMIE ET DE TROUBLES METABOLIQUES ASSOCIES A L'HYPERURICEMIE**
[72] KU, MANNCHING SHERRY, US
[72] CHEN, CHIH-KUANG, TW
[72] LU, WEI-SHU, TW
[72] LIN, I-YIN, TW
[73] TWI BIOTECHNOLOGY, INC., TW
[85] 2013-09-04
[86] 2012-03-07 (PCT/US2012/027993)
[87] (WO2012/125359)
[30] US (61/451,600) 2011-03-11

[11] **2,829,173**
[13] C

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[25] EN
[54] **SHOCK-ABSORBING COUPLING FOR FLOATING STRUCTURES**
[54] **ACCOUPLLEMENT AMORTISSEUR POUR STRUCTURES FLOTTANTES**
[72] QUINTA CORTINAS, ANDRES, ES
[73] ESPANOLA DE PLATAFORMAS MARINAS, S.L., ES
[85] 2013-09-05
[86] 2012-03-08 (PCT/ES2012/070155)
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[30] ES (P201130323) 2011-03-09

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[13] C

[51] **Int.Cl. H01R 13/629 (2006.01)**
[25] EN
[54] **HEAVY-DUTY STRAIGHT-BLADE ELECTRICAL CONNECTOR WITH ENGAGEMENT-FACILITATING FEATURES**
[54] **CONNECTEUR ELECTRIQUE A LAME DROITE ROBUSTE AVEC CARACTERISTIQUES FACILITANT LA MISE EN PRISE**
[72] LIU, DREW SYING, US
[73] LIU, DREW SYING, US
[86] (2829526)
[87] (2829526)
[22] 2013-10-08
[30] US (61/710,824) 2012-10-08

[11] **2,829,694**
[13] C

[51] **Int.Cl. C09K 8/80 (2006.01) C04B 35/636 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **PROPPANT PARTICLES FORMED FROM SLURRY DROPLETS AND METHOD OF USE**
[54] **PARTICULES D'AGENT DE SOUTÈNEMENT CONSTITUEES DE GOUTTELETTES DE BOUILLIE ET PROCEDE D'UTILISATION**
[72] ELDRED, BENJAMIN T., US
[72] WILSON, BRETT A., US
[72] GARDINIER, CLAYTON F., US
[72] DUENCKEL, ROBERT J., US
[73] CARBO CERAMICS, INC., US
[85] 2013-09-10
[86] 2012-03-08 (PCT/US2012/028308)
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[30] US (13/045,980) 2011-03-11
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[13] C

[51] **Int.Cl. A61K 39/235 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **INTRANASAL ADMINISTRATION OF AN ADENOVIRUS VECTOR TO INDUCE A PROTECTIVE IMMUNE RESPONSE TO AN INHALATION PATHOGEN**
[54] **ADMINISTRATION INTRANASAL DE VECTEUR D'ADENOVIRUS POUR INDUIRE UNE REPOSE IMMUNITAIRE PROTECTRICE A UN PATHOGENE D'INHALATION**
[72] TANG, DE-CHU C., US
[73] ALTIMMUNE INC., US
[85] 2013-09-11
[86] 2012-03-21 (PCT/US2012/029927)
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- [25] EN
- [54] **STABILIZED HYPOHALOUS ACID SOLUTIONS**
- [54] **SOLUTIONS STABILISEES D'ACIDE HYPOHALOGENEUX**
- [72] PANICHEVA, SVETLANA, US
- [72] SAMPSON, MARK N., US
- [72] PANICHEV, VADIM, US
- [72] DIBELLO, JERRY, US
- [72] ROGERS, MARTYN JAMES, US
- [72] STAPLETON, RONAN, US
- [72] SHORT, STEVEN LEWIS, US
- [73] URGO US, INC., US
- [85] 2013-09-11
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- [30] US (61/454,383) 2011-03-18
- [30] US (61/526,149) 2011-08-22

[11] **2,830,437**
[13] C

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- [25] EN
- [54] **WAVE-POWERED DEVICES CONFIGURED FOR NESTING**
- [54] **DISPOSITIFS HOULOMOTEURS CONCUS POUR S'EMBOITER**
- [72] HINE, ROGER G., US
- [72] HINE, DEREK L., US
- [73] LIQUID ROBOTICS, INC., US
- [85] 2013-09-16
- [86] 2012-03-19 (PCT/US2012/029696)
- [87] (WO2012/126009)
- [30] US (61/453,871) 2011-03-17
- [30] US (61/502,279) 2011-06-28
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[13] C

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- [25] EN
- [54] **CONNECTOR MODULE AND PATCH PANEL**
- [54] **MODULE CONNECTEUR ET PANNEAU DE REPARTITION**
- [72] POULSEN, JEFFREY ALAN, US
- [72] SPARROWHAWK, BRYAN L., US
- [72] ERICKSON, JASON, US
- [72] TAYLOR, BRET, US
- [72] BILY, ADAM, US
- [73] LEVITON MANUFACTURING CO., INC., US
- [85] 2013-09-18
- [86] 2012-03-13 (PCT/US2012/028860)
- [87] (WO2012/128995)
- [30] US (13/051,908) 2011-03-18

[11] **2,831,418**
[13] C

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- [54] **HOIST APPARATUS**
- [54] **APPAREIL DE LEVAGE**
- [72] JONSSON, JORGEN, SE
- [73] ARJO IP HOLDING AKTIEBOLAG, SE
- [85] 2013-09-25
- [86] 2012-03-28 (PCT/EP2012/055547)
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- [54] **SUSTAINED RELEASE PHEROMONE FORMULATION**
- [54] **FORMULE DE PHEROMONE A LIBERATION PROLONGEE**
- [72] SAGUCHI, RYUICHI, JP
- [72] ISHIBASHI, NAOKI, JP
- [72] FUKUMOTO, TAKEHIKO, JP
- [72] OGITANI, SATOSHI, JP
- [73] SHIN-ETSU CHEMICAL CO., LTD., JP
- [86] (2831422)
- [87] (2831422)
- [22] 2013-10-29
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- [30] JP (2013-097470) 2013-05-07

[11] **2,831,723**
[13] C

- [51] **Int.Cl. B64C 3/00 (2006.01)**
- [25] EN
- [54] **JOINT**
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- [72] WHITLOCK, RHONA, GB
- [72] DEL TIN, MASSIMO, GB
- [72] DALTON, PETER, GB
- [72] FORD, GEORGE, GB
- [72] HILL, MICHAEL JOHN, GB
- [72] HUNTBATCH, ADRIAN, GB
- [72] BREEZE, LAURENCE, GB
- [72] DEPEIGE, ALAIN, FR
- [73] AIRBUS OPERATIONS LIMITED, GB
- [73] AIRBUS OPERATIONS (S.A.S), FR
- [85] 2013-09-27
- [86] 2012-03-22 (PCT/GB2012/050644)
- [87] (WO2012/131335)
- [30] GB (1105104.2) 2011-03-28

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- [25] EN
- [54] **KEROSENE BASE MATERIAL PRODUCTION METHOD AND KEROSENE BASE MATERIAL**
- [54] **PROCEDE DE PRODUCTION D'UN MATERIAU A BASE DE KEROSENE ET MATERIAU A BASE DE KEROSENE**
- [72] NIITSUMA, TAKUYA, JP
- [73] JAPAN OIL, GAS AND METALS NATIONAL CORPORATION, JP
- [73] INPEX CORPORATION, JP
- [73] JX NIPPON OIL & ENERGY CORPORATION, JP
- [73] JAPAN PETROLEUM EXPLORATION CO., LTD., JP
- [73] COSMO OIL CO., LTD., JP
- [73] NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD., JP
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- [86] 2012-03-26 (PCT/JP2012/057774)
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[51] **Int.Cl. H04L 29/08 (2006.01) G06Q 20/18 (2012.01) G06Q 20/20 (2012.01) G06Q 20/32 (2012.01) H04J 3/16 (2006.01)**

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[54] **MESSAGE MULTIPLEXING METHOD, DEVICE AND CORRESPONDING PROGRAM**

[54] **PROCEDE DE MULTIPLEXAGE DE MESSAGES, DISPOSITIF ET PROGRAMME CORRESPONDANT**

[72] POLIGNY, JEAN-ROCH, FR
[72] GOMES, VINCENT, FR
[72] JAMES, SEBASTIEN, FR
[72] ROYER, JESSICA, FR
[72] POMMARET, JEAN-CHRISTOPHE, FR
[72] GRANDEMENGE, JEROME, FR
[73] INGENICO GROUP, FR
[85] 2013-09-30
[86] 2012-04-05 (PCT/EP2012/056317)
[87] (WO2012/139976)
[30] FR (1101142) 2011-04-13

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[13] C

[51] **Int.Cl. H04W 4/24 (2018.01) H04W 12/08 (2009.01) H04W 8/26 (2009.01)**

[25] EN

[54] **HYBRID NETWORK BASED METERING SERVER AND TRACKING CLIENT FOR WIRELESS SERVICES**

[54] **SERVEUR DE COMPTAGE BASE UN RESEAU HYBRIDE ET SUIVI DE CLIENT POUR SERVICES SANS FIL**

[72] RAMPRASAD, SATISH, US
[72] RIVERA, SERGIO, US
[73] TRACFONE WIRELESS, INC., US
[86] (2832121)
[87] (2832121)
[22] 2013-11-05
[30] US (13/669,838) 2012-11-06

[11] **2,832,934**
[13] C

[51] **Int.Cl. D01F 6/04 (2006.01) C08F 210/02 (2006.01)**

[25] EN

[54] **CREEP -OPTIMIZED UHMWPE FIBER**

[54] **FIBRE D'UHMWPE A COMPORTEMENT AU FLUAGE OPTIMISE**

[72] BOESTEN, JORN, NL
[72] VLASBLOM, MARTIN PIETER, NL
[72] MATLOKA, PIOTR, NL
[72] KIDD, TIMOTHY JAMES, NL
[72] BERTHOUD, ROMAIN, NL
[72] HEIJNEN, JOHANNES HENDRIKUS MARIE, NL
[73] DSM IP ASSETS B.V., NL
[85] 2013-10-10
[86] 2012-04-03 (PCT/EP2012/056079)
[87] (WO2012/139934)
[30] EP (11162246.0) 2011-04-13

[11] **2,833,133**
[13] C

[51] **Int.Cl. B23K 20/12 (2006.01) H01M 2/20 (2006.01)**

[25] FR

[54] **DEVICE AND METHOD FOR THE FRICTION-STIR WELDING OF AN ASSEMBLY FOR STORING ELECTRICITY**

[54] **DISPOSITIF ET PROCEDE DE SOUDAGE PAR FRICTION MALAXAGE D'UN ENSEMBLE DE STOCKAGE D'ENERGIE ELECTRIQUE**

[72] VIGNERAS, ERWAN, FR
[73] BLUE SOLUTIONS, FR
[85] 2013-10-11
[86] 2012-04-19 (PCT/EP2012/057112)
[87] (WO2012/143414)
[30] FR (1153430) 2011-04-20

[11] **2,833,205**
[13] C

[51] **Int.Cl. F23D 11/38 (2006.01) B05B 7/00 (2006.01) F23D 17/00 (2006.01) F23R 3/30 (2006.01) F23R 3/36 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ISOLATING INACTIVE FLUID PASSAGES**

[54] **PROCEDE ET APPAREIL POUR ISOLER DES PASSAGES DE FLUIDE INACTIFS**

[72] INNES, MATTHEW CHRISTOPHER, CA
[72] WHENHAM, IAN, CA
[72] COURBARIAUX, YANN, CA
[72] BOHAN, MARGARET KATHLEEN, CA
[73] ROLLS-ROYCE POWER ENGINEERING PLC, GB
[85] 2013-08-01
[86] 2011-12-30 (PCT/IB2011/003329)
[87] (WO2012/090071)
[30] US (61/428,744) 2010-12-30

[11] **2,833,384**
[13] C

[51] **Int.Cl. H02J 3/12 (2006.01) G05F 1/24 (2006.01)**

[25] EN

[54] **VOLTAGE SAG CORRECTOR USING A VARIABLE DUTY CYCLE BOOST CONVERTER**

[54] **CORRECTEUR DE CHUTE DE TENSION UTILISANT UN CONVERTISSEUR-AMPLIFICATEUR A CYCLE DE SERVICE VARIABLE**

[72] DIVAN, DEEPAKRAJ MALHAR, US
[73] I-EWM ACQUISITION, LLC, US
[85] 2013-10-16
[86] 2012-04-18 (PCT/US2012/034050)
[87] (WO2012/145383)
[30] US (61/476,532) 2011-04-18
[30] US (13/449,870) 2012-04-18

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[13] C

[51] **Int.Cl. H04L 12/801 (2013.01) H04L 12/761 (2013.01) H04N 19/00 (2014.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DATA TRANSMISSION**

[54] **PROCEDES ET SYSTEMES PERMETTANT UNE TRANSMISSION DE DONNEES**

[72] TINSMAN, JOHN, US

[73] OPENTV, INC., US

[85] 2013-10-16

[86] 2012-04-18 (PCT/US2012/034101)

[87] (WO2012/145411)

[30] US (13/089,070) 2011-04-18

[11] **2,833,868**
[13] C

[51] **Int.Cl. G10L 19/04 (2013.01)**

[25] EN

[54] **APPARATUS FOR QUANTIZING LINEAR PREDICTIVE CODING COEFFICIENTS, SOUND ENCODING APPARATUS, APPARATUS FOR DE-QUANTIZING LINEAR PREDICTIVE CODING COEFFICIENTS, SOUND DECODING APPARATUS, AND ELECTRONIC DEVICE THEREFOR**

[54] **APPAREIL DE QUANTIFICATION DE COEFFICIENTS DE CODAGE PREDICTIF LINEAIRE, APPAREIL DE CODAGE DE SON, APPAREIL DE DEQUANTIFICATION DE COEFFICIENTS DE CODAGE PREDICTIF LINEAIRE, APPAREIL DE DECODAGE DE SON ET DISPOSITIF ELECTRONIQUE S'Y RAPPORTANT**

[72] SUNG, HO-SANG, KR

[72] OH, EUN-MI, KR

[73] SAMSUNG ELECTRONICS CO., LTD., KR

[85] 2013-10-21

[86] 2012-04-23 (PCT/KR2012/003127)

[87] (WO2012/144877)

[30] US (61/477,797) 2011-04-21

[30] US (61/507,744) 2011-07-14

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[13] C

[51] **Int.Cl. G06Q 30/08 (2012.01) G06Q 30/06 (2012.01)**

[25] EN

[54] **FORWARD-LOOKING TRANSACTIVE PRICING SCHEMES FOR USE IN A MARKET-BASED RESOURCE ALLOCATION SYSTEM**

[54] **SCHEMAS TRANSACTIFS PROSPECTIFS D'ETABLISSEMENT DE PRIX A UTILISER DANS UN SYSTEME D'ALLOCATION DE RESSOURCES REPOSANT SUR LE MARCHE**

[72] CHASSIN, DAVID P., US

[72] FULLER, JASON C., US

[72] PRATT, ROBERT G., US

[72] KUMAR, NIRUPAMA PRAKASH, US

[72] FISHER, ANDREW R., US

[73] BATTELLE MEMORIAL INSTITUTE, US

[85] 2013-10-23

[86] 2012-04-20 (PCT/US2012/034559)

[87] (WO2012/148823)

[30] US (13/096,682) 2011-04-28

[11] **2,834,094**
[13] C

[51] **Int.Cl. E04G 1/22 (2006.01)**

[25] EN

[54] **SELF-CONTAINED, PORTABLE AND SELF-SUPPORTING SCAFFOLDING KIT**

[54] **NECESSAIRE D'ECHAFAUDAGE AUTONOME, PORTATIF ET AUTOPORTEUR**

[72] ST-GERMAIN, ANDRE, CA

[72] POULIN, GILLES, CA

[73] FIDUCIE FAMILIALE ANDRE ST-GERMAIN, CA

[73] FIDUCIE FAMILIALE POULIN, CA

[86] (2834094)

[87] (2834094)

[22] 2013-11-25

[30] US (61/729,468) 2012-11-23

[11] **2,834,298**
[13] C

[51] **Int.Cl. G08B 25/00 (2006.01) G08B 13/24 (2006.01) G08B 25/10 (2006.01) G08B 29/16 (2006.01) G08B 29/18 (2006.01)**

[25] EN

[54] **A METHOD AND A SYSTEM FOR SUPERVISING INTRUDER ALARM SYSTEMS**

[54] **PROCEDE ET SYSTEME POUR SUPERVISER DES SYSTEMES D'ALARME D'INTRUS**

[72] HOVANG, DAN, SE

[73] VERISURE SARL, CH

[85] 2013-10-25

[86] 2012-06-29 (PCT/EP2012/062687)

[87] (WO2013/004613)

[30] EP (11172384.7) 2011-07-01

[11] **2,834,665**
[13] C

[51] **Int.Cl. C07H 1/02 (2006.01) C07H 21/02 (2006.01) C07B 59/00 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING PHOSPHATE COMPOUND BEARING ISOTOPE**

[54] **PROCEDE DE FABRICATION DE COMPOSE PHOSPHATE POSSEDANT DES ISOTOPES**

[72] HAMASAKI, TOMOHIRO, JP

[72] OHGI, TADAAKI, JP

[73] BONAC CORPORATION, JP

[85] 2013-10-29

[86] 2012-05-07 (PCT/JP2012/061652)

[87] (WO2012/153704)

[30] JP (2011-105722) 2011-05-10

[11] **2,834,912**
[13] C

[51] **Int.Cl. H04W 28/16 (2009.01) H04W 88/08 (2009.01)**

[25] EN

[54] **ACCESS POINT FOR MOBILE STATION-ASSISTED INTERFERENCE MITIGATION**

[54] **POINT D'ACCES POUR L'ATTENUATION DES INTERFERENCES ASSISTEE PAR UNE STATION MOBILE**

[72] GAGE, WILLIAM ANTHONY, CA

[72] NOVAK, ROBERT, CA

[73] BLACKBERRY LIMITED, CA

[85] 2013-11-01

[86] 2011-05-10 (PCT/CA2011/050287)

[87] (WO2012/151656)

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[11] **2,834,965**
[13] C

[51] **Int.Cl. A01N 25/32 (2006.01) A01H 6/20 (2018.01) A01H 5/00 (2018.01) A01N 43/66 (2006.01) A01N 47/36 (2006.01) A01N 61/00 (2006.01) A01P 13/00 (2006.01) C12N 9/10 (2006.01) C12N 15/54 (2006.01)**

[25] EN

[54] **USE OF ALS INHIBITOR HERBICIDES FOR CONTROL OF UNWANTED VEGETATION IN ALS INHIBITOR HERBICIDE TOLERANT BRASSICA, SUCH AS B. NAPUS, PLANTS**

[54] **UTILISATION D'HERBICIDES INHIBITEURS DE L'ALS POUR LA LUTTE CONTRE UNE VEGETATION INDESIRABLE CHEZ DES PLANTES BRASSICA TOLERANTES VIS-A-VIS D'UN HERBICIDE INHIBITEUR DE L'ALS, TELLES QUE B. NAPUS.**

[72] HAIN, RUEDIGER, DE
[72] JOHANN, GERHARD, DE
[72] BICKERS, UDO, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE

[85] 2013-11-01
[86] 2012-05-04 (PCT/EP2012/058232)
[87] (WO2012/150333)
[30] EP (11164770.7) 2011-05-04
[30] US (61/483,096) 2011-05-06

[11] **2,835,208**
[13] C

[51] **Int.Cl. B65D 83/28 (2006.01)**

[25] EN

[54] **NOZZLES FOR NASAL DRUG DELIVERY**

[54] **BUSES POUR L'ADMINISTRATION DE MEDICAMENTS PAR VOIE NASALE**

[72] HOEKMAN, JOHN D., US
[72] HITE, MICHAEL, US
[72] BRUNELLE, ALAN, US
[72] RELETHFORD, JOEL, US
[73] IMPEL NEUROPHARMA INC., US
[85] 2013-11-05
[86] 2012-05-09 (PCT/US2012/037132)
[87] (WO2012/154859)
[30] US (61/484,048) 2011-05-09

[11] **2,835,271**
[13] C

[51] **Int.Cl. F16L 53/38 (2018.01) F17D 1/18 (2006.01)**

[25] EN

[54] **PIPELINE FOR CARRYING A MOLTEN SALT**

[54] **CONDUIT TUBULAIRE POUR LE TRANSPORT D'UN SEL FONDU**

[72] WORTMANN, JURGEN, DE
[72] LUTZ, MICHAEL, DE
[72] GARTNER, MARTIN, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] MAURER, STEPHAN, DE
[72] LADENBERGER, MICHAEL, DE
[72] GEYER, KAROLIN, DE
[72] GARLICH, FLORIAN, DE
[73] BASF SE, DE
[85] 2013-11-06
[86] 2012-05-16 (PCT/EP2012/059185)
[87] (WO2012/156472)
[30] EP (11166724.2) 2011-05-19
[30] US (61/487,719) 2011-05-19
[30] EP (11182898.4) 2011-09-27
[30] US (61/539,494) 2011-09-27

[11] **2,835,625**
[13] C

[51] **Int.Cl. A61B 17/82 (2006.01) A61B 17/68 (2006.01)**

[25] EN

[54] **BONE FRACTURE FIXATION CLAMP**

[54] **CLAMP DE FIXATION DE FRACTURE OSSEUSE**

[72] POWELL, SEAN, US
[72] LIMOUZE, ROBERT, US
[72] WEEKS, NATASHA, US
[72] HAAG, RENE, US
[72] HAIDUKEWYCH, GEORGE J., US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2013-11-08
[86] 2012-05-10 (PCT/US2012/037304)
[87] (WO2012/154947)
[30] US (13/068,397) 2011-05-10

[11] **2,836,146**
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) H04W 88/02 (2009.01) G06F 3/041 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR EDITING SCREEN OF MOBILE DEVICE HAVING TOUCH SCREEN**

[54] **PROCEDE ET APPAREIL POUR MODIFIER L'ECRAN D'UN DISPOSITIF MOBILE COMPRENANT UN ECRAN TACTILE**

[72] KIM, KYU SUNG, KR
[72] WANG, JEE YEUN, KR
[72] KIM, YU SIC, KR
[72] YANG, HUI CHUL, KR
[72] KWON, JOONG HUN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-11-13
[86] 2012-05-09 (PCT/KR2012/003603)
[87] (WO2012/161434)
[30] KR (10-2011-0048301) 2011-05-23

[11] **2,836,255**
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) G06F 3/14 (2006.01)**

[25] EN

[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, INFORMATION PROCESSING PROGRAM, AND STORAGE MEDIUM STORING INFORMATION PROCESSING PROGRAM**

[54] **DISPOSITIF DE TRAITEMENT D'INFORMATIONS, PROCEDE DE TRAITEMENT D'INFORMATIONS, PROGRAMME DE TRAITEMENT D'INFORMATIONS ET SUPPORT DE STOCKAGE STOCKANT UN PROGRAMME DE TRAITEMENT D'INFORMATIONS**

[72] TAKAMI, SHINYA, JP
[73] RAKUTEN, INC., JP
[85] 2013-11-14
[86] 2012-01-27 (PCT/JP2012/051789)
[87] (WO2012/164966)
[30] JP (2011-121897) 2011-05-31

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[11] **2,836,363**

[13] C

- [51] **Int.Cl. C10M 149/02 (2006.01)**
[25] EN
[54] **FRICITION-IMPROVING
POLYMERS FOR DLC-COATED
SURFACES**
[54] **POLYMERES AMELIORANT LA
FRICITION POUR SURFACES
RETVUES DE DLC**
[72] EISENBERG, BORIS, DE
[72] STOHR, TORSTEN, DE
[73] EVONIK OIL ADDITIVES GMBH,
DE
[85] 2013-11-15
[86] 2012-05-10 (PCT/EP2012/058590)
[87] (WO2012/156256)
[30] DE (10 2011 075 969.7) 2011-05-17

[11] **2,836,410**

[13] C

- [51] **Int.Cl. C07D 487/04 (2006.01) A61K
31/535 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TYROSINE KINASE INHIBITORS**
[54] **INHIBITEURS DE TYROSINE
KINASES**
[72] GOLDSTEIN, DAVID MICHAEL, US
[72] BRAMELD, KENNETH ALBERT, US
[73] PRINCIPIA BIOPHARMA INC., US
[85] 2013-11-14
[86] 2012-05-16 (PCT/US2012/038092)
[87] (WO2012/158764)
[30] US (61/486,944) 2011-05-17
[30] US (61/514,892) 2011-08-03
[30] US (61/556,336) 2011-11-07
[30] US (61/618,152) 2012-03-30

[11] **2,837,004**

[13] C

- [51] **Int.Cl. C04B 16/02 (2006.01) C04B
7/00 (2006.01) C04B 14/04 (2006.01)
C04B 16/06 (2006.01) C04B 28/02
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[25] EN
[54] **3-MODE BLENDED FIBERS IN AN
ENGINEERED CEMENTITIOUS
COMPOSITE**
[54] **COMPOSITE CIMENTAIRE
CONSTITUE D'UN MELANGE DE
FIBRES A 3 MODES**
[72] CHEN, YONGJUN, US
[72] LUO, CAIDIAN, US
[72] WANG, HUAJUN, US
[72] FISHER, MARK THOMAS, US
[72] CHASTAIN, JEFFREY CHARLES, US
[73] JAMES HARDIE TECHNOLOGY
LIMITED, IE
[85] 2013-11-08
[86] 2012-05-11 (PCT/US2012/037641)
[87] (WO2012/155103)
[30] US (61/485,280) 2011-05-12

[11] **2,837,303**

[13] C

- [51] **Int.Cl. A61F 2/30 (2006.01) A61B
17/16 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **TAPERED JOINT IMPLANT AND
RELATED TOOLS**
[54] **IMPLANT D'ARTICULATION
CONIQUE ET OUTILS ASSOCIES**
[72] WALSH, STEVEN P., US
[72] TUDOR, LETITIA, US
[72] CORRAO, ERNEST, N., US
[72] BERKY, CRAIG B., US
[72] BAUER, JONATHAN P., US
[72] HEMINGWAY, JEREMY, US
[72] AXELROD, MICHAEL, US
[73] CARTIVA, INC., US
[85] 2013-11-25
[86] 2012-05-24 (PCT/US2012/039452)
[87] (WO2012/162552)
[30] US (61/490,507) 2011-05-26

[11] **2,837,524**

[13] C

- [51] **Int.Cl. C07D 231/12 (2006.01) A61K
31/4152 (2006.01) A61K 31/4155
(2006.01) A61P 15/08 (2006.01) C07D
401/04 (2006.01) C07D 401/06
(2006.01) C07D 403/06 (2006.01)
C07D 405/04 (2006.01) C07D 405/06
(2006.01) C07D 405/14 (2006.01)
C07D 409/04 (2006.01) C07D 409/06
(2006.01) C07D 413/06 (2006.01)**
[25] EN
[54] **DIHYDROPYRAZOLES**
[54] **DIHYDROPYRAZOLES**
[72] YU, HENRY, US
[72] RICHARDSON, THOMAS E., US
[72] FOGLESONG, ROBERT JAMES, US
[72] DESELM, LIZBETH CELESTE, US
[72] GOUTOPOULOS, ANDREAS, US
[73] MERCK PATENT GMBH, DE
[85] 2013-11-26
[86] 2012-06-26 (PCT/US2012/044169)
[87] (WO2013/006308)
[30] US (61/503,694) 2011-07-01

[11] **2,838,054**

[13] C

- [51] **Int.Cl. H04L 12/10 (2006.01) H04L
12/40 (2006.01)**
[25] EN
[54] **DISTRIBUTED ANTENNA
SYSTEM USING POWER-OVER-
ETHERNET**
[54] **SYSTEME D'ANTENNE
DISTRIBUE UTILISANT UNE
ALIMENTATION ELECTRIQUE
PAR CABLE ETHERNET**
[72] HUNTER, ROGER A., JR., US
[72] MCALLISTER, DONALD ROBERT,
US
[72] RANSON, CHRISTOPHER G., US
[72] KUMMETZ, THOMAS, US
[73] COMMSCOPE TECHNOLOGIES
LLC, US
[85] 2013-12-02
[86] 2012-06-08 (PCT/US2012/041576)
[87] (WO2012/170834)
[30] US (61/495,067) 2011-06-09

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[11] **2,838,255**
[13] C

[51] **Int.Cl. B29C 64/277 (2017.01)**
[25] EN
[54] **METHOD FOR FORMING THREE-DIMENSIONAL OBJECTS USING LINEAR SOLIDIFICATION**
[54] **METHODE DE FORMATION D'OBJETS TRIDIMENSIONNELS AU MOYEN DE LA SOLIDIFICATION LINEAIRE**
[72] EL-SIBLANI, ALI, US
[72] SHKOLNIK, ALEXANDR, US
[73] GLOBAL FILTRATION SYSTEMS, US
[85] 2013-12-04
[86] 2012-06-27 (PCT/US2012/044398)
[87] (WO2013/003457)
[30] US (61/502,020) 2011-06-28
[30] US (61/598,666) 2012-02-14

[11] **2,838,459**
[13] C

[51] **Int.Cl. B65D 51/28 (2006.01)**
[25] EN
[54] **CONTAINER CLOSURE HAVING MEANS FOR INTRODUCING AN ADDITIVE INTO THE CONTENTS OF THE CONTAINER**
[54] **DISPOSITIF DE FERMETURE DE RECIPIENT COMPORTANT UN MOYEN DESTINE A INTRODUIRE UN ADDITIF DANS LE CONTENU DU RECIPIENT**
[72] FRUTIN, BERNARD D., GB
[73] GIZMO PACKAGING LIMITED, GB
[85] 2013-12-05
[86] 2012-06-13 (PCT/GB2012/051341)
[87] (WO2012/175934)
[30] GB (1110722.4) 2011-06-24

[11] **2,838,589**
[13] C

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/192 (2006.01)**
[25] EN
[54] **EDIBLE ORAL STRIP OR WAFER DOSAGE FORM CONTAINING ION EXCHANGE RESIN FOR TASTE MASKING**
[54] **FORME PHARMACEUTIQUE ORALE COMESTIBLE DE TYPE BANDE OU CACHET CONTENANT UNE RESINE ECHANGEUSE D'IONS POUR LE MASQUAGE DU GOUT**
[72] LI, MICHAEL HSIN CHWEN, US
[72] KRUMME, MARKUS, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2013-12-06
[86] 2012-05-30 (PCT/EP2012/002291)
[87] (WO2012/167878)
[30] US (61/494,462) 2011-06-08

[11] **2,838,905**
[13] C

[51] **Int.Cl. C11D 1/22 (2006.01) B01F 17/00 (2006.01) B01F 17/12 (2006.01) C07C 309/00 (2006.01) C07C 309/31 (2006.01) C09K 8/584 (2006.01)**
[25] EN
[54] **SURFACTANT COMPOSITIONS**
[54] **COMPOSITIONS TENSIOACTIVES**
[72] JAKOBS-SAUTER, BRITTA, DE
[72] SCHROEDER, CLEMENS, DE
[72] BREITZKE, BURKHARD, DE
[72] SCHOENKAES, UDO, DE
[72] GIUFFRIDA, GIUSEPPE, IT
[72] MATHESON, LEE, US
[72] KINSLEY, KERMIT, US
[72] COX, MICHAEL, US
[72] RUSSEL, GEOFFREY LYNN, US
[72] WINDER, JOHN BARRY, US
[73] SASOL GERMANY GMBH, DE
[85] 2013-12-10
[86] 2012-06-27 (PCT/EP2012/002705)
[87] (WO2013/000571)
[30] EP (EP 11005239.6) 2011-06-28

[11] **2,839,165**
[13] C

[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/521 (2017.01) G06K 9/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROCESSING IMAGE DATA**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE DONNEES D'IMAGE**
[72] BANGAY, JAMES, AU
[73] FUGRO ROAMES PTY LTD, AU
[85] 2013-12-12
[86] 2012-05-16 (PCT/AU2012/000545)
[87] (WO2012/155205)
[30] AU (2011901865) 2011-05-16

[11] **2,839,633**
[13] C

[51] **Int.Cl. C07K 14/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **PEPTIDES WITH VIRAL INFECTION ENHANCING PROPERTIES AND THEIR USE**
[54] **PEPTIDES AYANT DES PROPRIETES QUI AMELIORENT L'INFECTION VIRALE ET LEUR UTILISATION**
[72] FENARD, DAVID, FR
[72] KICHLER, ANTOINE, FR
[72] MARTIN, SAMIA, FR
[73] GENETHON, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR
[85] 2013-12-17
[86] 2012-06-28 (PCT/EP2012/062642)
[87] (WO2013/001041)
[30] EP (11172279.9) 2011-06-30

[11] **2,839,845**
[13] C

[51] **Int.Cl. F22B 21/18 (2006.01)**
[25] EN
[54] **MULTIDRUM EVAPORATOR**
[54] **EVAPORATEUR A TAMBOURS MULTIPLES**
[72] JACKSON, BRADLEY N., US
[73] NOOTER/ERIKSEN, INC., US
[85] 2013-10-24
[86] 2012-04-10 (PCT/US2012/032828)
[87] (WO2012/148656)
[30] US (61/478,695) 2011-04-25

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[11] **2,840,135**
[13] C

[51] **Int.Cl. C09K 21/14 (2006.01) C08J 3/20 (2006.01) C08K 3/16 (2006.01) C08K 3/22 (2006.01) C08L 1/02 (2006.01) C08L 97/02 (2006.01)**

[25] EN

[54] **FIRE-RESISTANT CELLULOSIC MATERIAL**

[54] **MATIERE CELLULOSIQUE RESISTANTE AU FEU**

[72] TON-THAT, MINH-TAN, CA
[72] NGO, TRI-DUNG, CA
[72] DENAULT, JOHANNE, CA
[72] BELANGER, CHRISTIAN, CA
[72] HU, WEI, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA

[85] 2013-12-20
[86] 2012-07-04 (PCT/CA2012/000631)
[87] (WO2013/003944)
[30] US (61/504,779) 2011-07-06

[11] **2,840,167**
[13] C

[51] **Int.Cl. A61N 1/04 (2006.01) A61F 5/01 (2006.01)**

[25] EN

[54] **ELECTRODE FOR MUSCLE STIMULATION**

[54] **ELECTRODE DE STIMULATION MUSCULAIRE**

[72] DAR, AMIT, IL
[72] RUBIN, MARK, IL
[72] SPRINGER, SHMUEL, IL
[72] COHEN, AMIR, IL
[73] BIONESS NEUROMODULATION, LTD., IL

[85] 2013-12-20
[86] 2012-06-26 (PCT/IL2012/000260)
[87] (WO2013/001526)
[30] US (13/169,553) 2011-06-27

[11] **2,840,650**
[13] C

[51] **Int.Cl. C40B 30/04 (2006.01) C40B 40/02 (2006.01)**

[25] EN

[54] **METHOD OF PROTEIN DISPLAY**

[54] **PROCEDE DE PRESENTATION DE PROTEINES**

[72] BEASLEY, MATTHEW, AU
[72] KIEFEL, BEN, AU
[73] AFFINITY BIOSCIENCES PTY LTD, AU

[85] 2013-12-30
[86] 2012-06-28 (PCT/AU2012/000761)
[87] (WO2013/000023)
[30] AU (2011902568) 2011-06-29

[11] **2,840,844**
[13] C

[51] **Int.Cl. A01K 1/10 (2006.01) A01K 5/02 (2006.01)**

[25] EN

[54] **VEHICLE FOR DISPLACING FEED**

[54] **VEHICULE POUR DEPLACER UN CHARGEMENT**

[72] PASTOOR, JAN LAMBERTUS, NL
[73] LELY PATENT N.V., NL

[85] 2013-12-31
[86] 2012-06-19 (PCT/EP2012/061680)
[87] (WO2013/004485)
[30] NL (1038927) 2011-07-06

[11] **2,841,030**
[13] C

[51] **Int.Cl. A01N 1/02 (2006.01) A61J 1/10 (2006.01) A61J 1/14 (2006.01)**

[25] FR

[54] **KIT FOR PRESERVING A BIOLOGICAL PRODUCT INCLUDING A THREE-DIMENSIONAL BAG AND A MATCHING THREE-DIMENSIONAL CASING**

[54] **KIT POUR LA CONSERVATION D'UN PRODUIT BIOLOGIQUE COMPRENANT UNE POCHE TRIDIMENSIONNELLE ET UNE ENVELOPPE TRIDIMENSIONNELLE ADAPTEE**

[72] DELORME, BRUNO, FR
[72] PLAINFOSSE, MARIE, FR
[73] MACO PHARMA, FR

[85] 2014-01-07
[86] 2012-07-03 (PCT/FR2012/051553)
[87] (WO2013/007921)
[30] FR (1156212) 2011-07-08

[11] **2,841,073**
[13] C

[51] **Int.Cl. D06M 13/282 (2006.01) D06M 11/36 (2006.01) D06M 11/78 (2006.01) D06M 23/08 (2006.01)**

[25] EN

[54] **FLUID-RESISTANT TEXTILE FABRICS AND METHODS**

[54] **TISSU TEXTILE RESISTANT AUX FLUIDES ET PROCEDES**

[72] KOENE, BRYAN EDWARD, US
[72] OZER, RUYA, US
[73] LUNA INNOVATIONS INCORPORATED, US

[85] 2014-01-06
[86] 2012-06-29 (PCT/US2012/044784)
[87] (WO2013/058843)
[30] US (61/504,548) 2011-07-05

[11] **2,841,264**
[13] C

[51] **Int.Cl. H04R 25/00 (2006.01) G02C 7/16 (2006.01) H04R 3/04 (2006.01)**

[25] EN

[54] **MULTI-SENSORY MANIPULATION**

[54] **MANIPULATION MULTISENSORIELLE**

[72] YOO, HERB, US
[72] REICHOW, ALAN W., US
[73] NIKE INNOVATE C.V., US

[85] 2014-01-08
[86] 2012-07-11 (PCT/US2012/046290)
[87] (WO2013/009899)
[30] US (13/180,020) 2011-07-11

[11] **2,841,694**
[13] C

[51] **Int.Cl. G02B 6/36 (2006.01)**

[25] EN

[54] **OPTICAL CONNECTOR APPARATUS**

[54] **DISPOSITIF DE CONNECTEUR OPTIQUE**

[72] SHIMAZU, HIDETO, JP
[72] HASHIGUCHI, OSAMU, JP
[72] TANAKA, YUKITAKA, JP
[72] FUKAYAMA, KENZO, JP
[72] IZAKI, MASAHIRO, JP
[73] JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED, JP

[86] (2841694)
[87] (2841694)
[22] 2010-02-03
[62] 2,751,691
[30] JP (2009-024630) 2009-02-05
[30] JP (2009-138537) 2009-06-09
[30] JP (2009-198748) 2009-08-28
[30] JP (2009-247022) 2009-10-27

[11] **2,841,889**
[13] C

[51] **Int.Cl. A61L 27/04 (2006.01) A61L 27/56 (2006.01)**

[25] EN

[54] **RAPID MANUFACTURING OF POROUS METAL PROSTHESES**

[54] **FABRICATION RAPIDE DE PROTHESES METALLIQUES POREUSES**

[72] LI, JIA, US
[72] GRINER, ADAM M., US
[73] ZIMMER, INC., US

[85] 2014-01-10
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[54] **SAMPLE COLLECTION KIT**
[54] **KIT DE PRELEVEMENT D'ECHANTILLON**
[72] NONNEMACHER, SHEENA, US
[72] BLUM, KRISTEN, US
[72] FRITCH, DEAN, US
[72] SAVARD, MIKE, US
[72] KARDOS, KEITH, US
[72] MURPHY, BRIAN, US
[72] SAVAGE, JEREMY, US
[72] ASKIN, ERIK, US
[73] ORASURE TECHNOLOGIES, INC., US
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[54] **INTRAVASCULAR THROMBOEMBOLECTOMY DEVICE AND METHOD USING THE SAME**
[54] **DISPOSITIF DE THROMBOEMBOLECTOMIE VASCULAIRE ET SON PROCEDE D'UTILISATION**
[72] MARKS, MICHAEL P., US
[72] QUE, LIKE, US
[73] MARKS, MICHAEL P., US
[73] QUE, LIKE, US
[85] 2014-01-14
[86] 2012-07-25 (PCT/US2012/048158)
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[25] EN
[54] **UREA-MODIFIED BINDER FOR MINERAL FIBRES**
[54] **LIANT MODIFIE PAR L'UREE POUR DES FIBRES MINERALES**
[72] NAERUM, LARS, DK
[72] NISSEN, POVL, DK
[72] HANSEN, ERLING LENNART, DK
[73] ROCKWOOL INTERNATIONAL A/S, DK
[85] 2014-01-15
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[30] EP (11175019.6) 2011-07-22
[30] US (61/524,149) 2011-08-16

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[54] **HYDROPHOBIC CERAGENIN COMPOUNDS AND DEVICES INCORPORATING SAME**
[54] **COMPOSES DE CERAGENIN HYDROPHOBES ET DISPOSITIFS INCORPORANT CEUX-CI**
[72] SAVAGE, PAUL B., US
[73] BRIGHAM YOUNG UNIVERSITY, US
[85] 2014-01-20
[86] 2012-07-20 (PCT/US2012/047746)
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[13] C

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[54] **SELF-LOCKING CONNECTOR CLIP**
[54] **PINCE DE CONNEXION AUTOBLOQUANTE**
[72] CUPPETT, MATTHEW D., US
[73] ABB SCHWEIZ AG, CH
[85] 2014-01-24
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[25] EN
[54] **GAS TURBINE LIFE PREDICTION AND OPTIMIZATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE PREDICTION ET D'OPTIMISATION DE LA DUREE DE VIE D'UNE TURBINE A GAZ**
[72] DE PROSPERIS, ROBERTO, IT
[72] DI SISTO, PAOLO, IT
[72] BORKOWSKI, MACIEJ, PL
[73] NUOVO PIGNONE S.P.A., IT
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[13] C

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[25] EN
[54] **WAVE VECTOR MATCHED RESONATOR AND BUS WAVEGUIDE SYSTEM**
[54] **SYSTEME DE RESONATEUR ET DE GUIDE D'ONDE DE BUS A ADAPTATION DE VECTEUR D'ONDE**
[72] KRAUSS, THOMAS FRASER, GB
[72] WHELAN-CURTIN, WILLIAM, GB
[72] DEBNATH, KAPIL, GB
[72] WELNA, KARL PETER, GB
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[54] **FABRICATION DE BOITE**
[72] PRESSET, ALAIN, FR
[72] VINCENT, KEITH ALAN, GB
[72] MONRO, STUART ALEXANDER, GB
[73] CROWN PACKAGING TECHNOLOGY, INC., US
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[13] C

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[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR 5-AMINOLEVULINIC ACID HYDROCHLORIDE**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR LE CHLORHYDRATE D'ACIDE 5-AMINOLEVULINIQUE**
[72] JUNG, TOBIAS, DE
[72] HORSTMANN, MICHAEL, DE
[72] HOFFMANN, GERD, DE
[73] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[73] PHOTONAMIC GMBH & CO. KG, DE
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[54] **N-(BENZIMIDAZOL-2-YL)-CYCLOPROPANE CARBOXAMIDES AS LY SOPHOSPHATIDIC ACID ANTAGONISTS**
[54] **N-(BENZIMIDAZOL-2-YL)-CYCLOPROPANE-CARBOXAMIDES EN TANT QU'ANTAGONISTES D'ACIDE LY SOPHOSPHATIDIQUE**
[72] STAEHLE, WOLFGANG, DE
[72] SCHULTZ, MELANIE, DE
[72] SCHIEMANN, KAI, DE
[73] MERCK PATENT GMBH, DE
[85] 2014-02-06
[86] 2012-07-07 (PCT/EP2012/002874)
[87] (WO2013/020622)
[30] EP (11006501.8) 2011-08-08

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[13] C

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[25] EN
[54] **LIQUID-CRYOGEN INJECTION COOLING DEVICES AND METHODS FOR USING SAME**
[54] **DISPOSITIFS DE REFROIDISSEMENT PAR INJECTION D'UN CRYOGENE LIQUIDE ET PROCEDES D'UTILISATION DE CES DISPOSITIFS**
[72] SANDU, CONSTANTINE, US
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
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[25] EN
[54] **LASER PROBE WITH AN ELECTRICALLY STEERABLE LIGHT BEAM**
[54] **SONDE A LASER A FAISCEAU LUMINEUX ORIENTABLE ELECTRIQUEMENT**
[72] AULD, JACK ROBERT, US
[72] SMITH, RONALD T., US
[73] ALCON RESEARCH, LTD., US
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[30] US (13/226,675) 2011-09-07

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[13] C

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[54] **SPILLPROOF CONTAINER ASSEMBLIES**
[54] **ENSEMBLES DE RECIPIENT ANTI-GOUTTES**
[72] DUNN, STEVEN B., US
[72] HATHERILL, MARK A., US
[72] GASTELUM, RODOLFO, US
[72] SONG, WON, US
[73] MUNCHKIN, INC., US
[85] 2014-02-13
[86] 2012-06-03 (PCT/US2012/040642)
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[30] US (61/493,132) 2011-06-03
[30] US (13/192,438) 2011-07-27
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[13] C

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[54] **STRUCTURE DE POMPE A DISQUE ET DE VALVE**
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] TOUT, AIDAN MARCUS, GB
[73] KCI LICENSING, INC., US
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[25] EN
[54] **REMOTE START CONTROL SYSTEM FOR A VEHICLE WITH A BUS CONTROLLABLE BRAKE AND ASSOCIATED METHODS**
[54] **SYSTEME DE COMMANDE DE DEMARRAGE A DISTANCE POUR UN VEHICULE POURVU D'UN FREIN COMMANDE PAR BUS ET PROCEDES ASSOCIES**
[72] FLICK, KENNETH E., US
[73] OMEGA PATENTS, L.L.C., US
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[30] US (61/792,895) 2013-03-15

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[25] EN
[54] **METHODS AND SYSTEM FOR CONTROLLED LASER-DRIVEN EXPLOSIVE BONDING**
[54] **PROCEDES ET SYSTEME DE SOUDAGE PAR EXPLOSION DECLENCHE PAR UN LASER COMMANDE**
[72] RUBENCHIK, ALEXANDER M., US
[72] FARMER, JOSEPH C., US
[72] RANKIN, JON, US
[72] HACKEL, LLOYD, US
[73] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[73] METAL IMPROVEMENT COMPANY, LLC, US
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[13] C

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[25] EN
[54] **POLYURETHANE SYSTEMS HAVING NON-SAG, PAINTABILITY, AND PRIMERLESS ADHESION ON CONCRETE**
[54] **SYSTEMES DE POLYURETHANE PRESENTANT UNE PEIGNABILITE SANS AFFAISSEMENT ET UNE ADHESION SANS AMORCE SUR DU BETON**
[72] WANG, CHIA L., US
[72] DAVIS, JOHN, US
[72] LIENKE, BRYAN, US
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
[85] 2014-02-25
[86] 2012-07-26 (PCT/EP2012/064667)
[87] (WO2013/029889)
[30] US (61/530,602) 2011-09-02
[30] US (61/660,045) 2012-06-15

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[13] C

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[25] EN
[54] **NOVEL CLOSTRIDIUM DIFFICILE DNA VACCINE**
[54] **NOUVEAU VACCIN A ADN DIRIGE CONTRE CLOSTRIDIUM DIFFICILE**
[72] KUTZLER, MICHELE, US
[72] BALIBAN, SCOTT, US
[72] WEINER, DAVID B., US
[72] SARDESAI, NIRANJAN Y., US
[72] KIM, J. JOSEPH, US
[73] INOVIO PHARMACEUTICALS, INC., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[73] DREXEL UNIVERSITY, US
[85] 2013-12-19
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[30] US (61/506,973) 2011-07-12

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[13] C

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[25] FR
[54] **CONNECTOR ARRANGED BETWEEN TWO CYLINDRICAL ENERGY STORAGE ASSEMBLIES**
[54] **CONNECTEUR DISPOSE ENTRE DEUX ENSEMBLES DE STOCKAGE D'ENERGIE CYLINDRIQUES**
[72] VIGNERAS, ERWAN, FR
[73] BLUE SOLUTIONS, FR
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[30] FR (1157604) 2011-08-29

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[25] EN
[54] **IMPLEMENTING A 3G PACKET CORE IN A CLOUD COMPUTER WITH OPENFLOW DATA AND CONTROL PLANES**
[54] **MISE EN OEUVRE D'UN COUR DE PAQUET 3G DANS UN ORDINATEUR EN NUAGE AU MOYEN DE PLANS DE COMMANDES ET DE DONNEES OPENFLOW**
[72] NILSSON, TORD K., SE
[72] KEMPF, JAMES, US
[72] BEHESHTI-ZAVAREH, NEDA, US
[72] ZHANG, YING, US
[72] JOHANSSON, BENGT E., SE
[72] PETERSSON, STEN RUNE, SE
[72] LUNING, HARALD, SE
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
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[25] EN
[54] **LEG PADS FOR A HOCKEY GOALKEEPER**
[54] **JAMBIERES POUR GARDIEN DE BUT DE HOCKEY**
[72] MACKEY, LEE, CA
[72] HARVEY, GUILLAUME, CA
[72] DU RUISSEAU, ALEXANDRE, CA
[73] BAUER HOCKEY LTD., CA
[86] (2847132)
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[13] C

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[25] EN
[54] **DELIVERY SYSTEM FOR HOLLOW MICRONEEDLE ARRAYS**
[54] **SYSTEME DE POSE POUR DES ENSEMBLES DE MICROAIGUILLES CREUSES**
[72] GILBERT, THOMAS J., US
[72] NG, CHIN-YEE, US
[72] BURTON, SCOTT A., US
[72] MOLINET, MICHAEL C., US
[72] HARKINS, ROBERT A., US
[72] GONZALEZ, BERNARD A., US
[72] SCHLEIF, LARRY A., US
[72] YOUNG, PATRICK J., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[25] EN
[54] **NON-MOTORIZED VEHICLE WHEEL REPLACEMENT TREADS AND METHODS**
[54] **BANDES DE ROULEMENT DE REMPLACEMENT DE ROUE DE VEHICULE NON MOTORISE ET PROCEDES**
[72] HANNAH, STEPHEN E., US
[72] MCKAY, JOHN C., US
[73] GATEKEEPER SYSTEMS, INC., US
[85] 2014-03-14
[86] 2012-09-20 (PCT/US2012/056406)
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[30] US (61/537,715) 2011-09-22
[30] US (61/692,148) 2012-08-22

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[51] **Int.Cl. A61M 16/04 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **AIRWAY OXYGENATOR**
[54] **OXYGENATEUR DE VOIES AERIENNES**
[72] SIMON, GARY, CA
[73] SIMON, GARY, CA
[86] (2848973)
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[22] 2014-04-16
[30] US (61/812,287) 2013-04-16

[11] **2,850,638**
[13] C

[51] **Int.Cl. B21D 37/10 (2006.01) B21D 37/02 (2006.01)**
[25] EN
[54] **MODULAR PILOT ASSEMBLY WITH SELF-CONTAINED STRIPPER AND METHOD FOR METAL FORMING DIES**
[54] **ENSEMBLE PILOTE MODULAIRE MUNI DE DEVETISSEUR AUTO-CONTENU ET PROCEDE POUR FILIERES DE FORMATION DE METAL**
[72] BREEN, SCOTT M., US
[72] PYPER, JOEL T., US
[73] STANDARD LIFTERS, INC., US
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[86] 2012-10-16 (PCT/US2012/060362)
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[30] US (61/547,785) 2011-10-17
[30] US (13/545,202) 2012-07-10

[11] **2,851,148**
[13] C

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[25] EN
[54] **COMPUTERIZED CONTROL DEVICE AND COMPUTER-IMPLEMENTED METHOD FOR CONTROLLING A PRODUCT PROCESSING PLANT AND COMPUTER PROGRAM PRODUCT**
[54] **DISPOSITIF DE COMMANDE INFORMATISE, PROCEDE MIS EN OEUVRE SUR ORDINATEUR POUR LA COMMANDE D'UNE INSTALLATION DE TRAITEMENT DE PRODUITS ET PRODUIT-PROGRAMME INFORMATIQUE**
[72] GROTH, UWE, CH
[72] CORVO, MAURIZIO, CH
[73] FERAG AG, CH
[85] 2014-04-04
[86] 2012-09-27 (PCT/CH2012/000223)
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[30] CH (1637/11) 2011-10-06

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[13] C

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[54] **THERMOPLASTIC BAG**
[54] **SAC THERMOPLASTIQUE**
[72] ROSS, MICHAEL A., US
[73] POLY-AMERICA, L.P., US
[86] (2851669)
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[25] EN

[54] A BINDING RESIN FOR NONWOVEN FABRICS, IN PARTICULAR FOR MANUFACTURING SUPPORTS FOR BITUMINOUS MEMBRANES, A METHOD FOR PREPARING IT, AND A NONWOVEN FABRIC OBTAINED BY USING SAID RESIN

[54] RESINE LIANTE POUR NON-TISSES, EN PARTICULIER POUR LA FABRICATION DE SUPPORTS POUR MEMBRANES BITUMINEUSES, SON PROCEDE DE PREPARATION ET NON-TISSE AINSI OBTENU

[72] MIGLIAVACCA, MASSIMO, IT
[72] LEVI, MARINELLA, IT
[72] TURRI, STEFANO, IT
[73] POLITEX S.A.S. DI FREUDENBERG POLITEX S.R.L., IT

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[30] IT (MI2011A 001897) 2011-10-19

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[54] MULTILAYER POROUS COMPOSITE FOR FUEL PURIFICATION

[54] COMPOSITE POREUX MULTICOUCHE DESTINE A LA PURIFICATION DU CARBURANT

[72] HARP, GARY P., US
[72] SCHROETER, MARC, DE
[73] W.L. GORE & ASSOCIATES, INC., US

[85] 2014-04-10
[86] 2012-09-27 (PCT/US2012/057560)
[87] (WO2013/055525)
[30] US (13/273,926) 2011-10-14

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[25] EN

[54] ISOMALTOOLIGOSACCHARIDE COMPOSITIONS CONTAINING ISOMALTULOSE, METHODS FOR PREPARING THE SAME AND USES THEREOF

[54] COMPOSITIONS D'ISOMALTOOLIGOSACCHARIDE CONTENANT DE L'ISOMALTULOSE, PROCEDES DE PREPARATION DE CELLES-CI ET LEURS UTILISATIONS

[72] AHN, SANGWOOK, KR
[73] CORN PRODUCTS DEVELOPMENT, INC., BR

[86] (2852561)
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[22] 2014-05-16
[30] KR (10-2013-0056533) 2013-05-20

[11] 2,852,945
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[51] Int.Cl. F16L 1/038 (2006.01) B29C 63/26 (2006.01) B29C 70/50 (2006.01) B29C 70/68 (2006.01) B29D 23/18 (2006.01) B32B 1/08 (2006.01) B32B 37/10 (2006.01) F16L 1/032 (2006.01) F16L 9/133 (2006.01) F16L 9/14 (2006.01) F16L 11/14 (2006.01) F16L 11/24 (2006.01)

[25] EN

[54] CONSTRUCTION OF PIPES

[54] CONSTRUCTION DE TUYAUX

[72] GRAHAM, NEIL DERYCK BRAY, AU

[73] LONG PIPES PTY LTD, AU

[85] 2014-04-17
[86] 2011-10-31 (PCT/AU2011/001401)
[87] (WO2012/054992)

[11] 2,853,179
[13] C

[51] Int.Cl. F42B 12/02 (2006.01) F41A 1/06 (2006.01) F42B 10/32 (2006.01) F42C 1/10 (2006.01) F42C 11/06 (2006.01)

[25] EN

[54] CARTRIDGE AND SYSTEM FOR GENERATING A PROJECTILE WITH A SELECTABLE LAUNCH VELOCITY

[54] CARTOUCHE ET SYSTEME DESTINES A GENERER UN PROJECTILE DOTE D'UNE VITESSE DE LANCEMENT SELECTIONNABLE

[72] FORBES, STEPHEN, AU
[72] ALMOND, EDMOND, AZ
[72] MCCORMACK, SHAUN, AU
[72] ACKERS, JEFFERY, AU
[72] REICHSTEIN, ROBERT, AU
[72] CHATWIN, MICHAEL, AU
[73] THE COMMONWEALTH OF AUSTRALIA, AU

[85] 2014-04-23
[86] 2012-10-15 (PCT/AU2012/001242)
[87] (WO2013/053016)
[30] AU (2011904179) 2011-10-14

[11] 2,853,317
[13] C

[51] Int.Cl. G01D 5/34 (2006.01) G09B 23/28 (2006.01)

[25] EN

[54] A ROTATIONAL SENSOR AND METHODS THEREFOR

[54] CAPTEUR DE ROTATION ET PROCEDES ASSOCIES A CELUI-CI

[72] HOYT, BERWYN LEE, NZ
[72] ROBINSON, AARON MICHAEL, NZ
[73] AIRWAY LIMITED, NZ

[85] 2014-04-23
[86] 2011-10-31 (PCT/NZ2011/000232)
[87] (WO2013/066194)

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[11] **2,853,895**
[13] C

[51] **Int.Cl. C08F 210/16 (2006.01) C08F 4/68 (2006.01) C08F 210/18 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF A COPOLYMER OF ETHYLENE**

[54] **PROCEDE DE PREPARATION D'UN COPOLYMERE D'ETHYLENE**

[72] VALLIERI, ANDREA, IT
[72] PERRETTA, COSTANTINO, IT
[73] VERSALIS S.P.A., IT
[85] 2014-04-29
[86] 2012-11-23 (PCT/IB2012/056679)
[87] (WO2013/076699)
[30] IT (MI2011A002155) 2011-11-25

[11] **2,854,967**
[13] C

[51] **Int.Cl. C09K 5/04 (2006.01) C10M 171/00 (2006.01) F25B 9/00 (2006.01)**

[25] EN

[54] **NON-CFC REFRIGERANT MIXTURE FOR USE IN MULTISTAGE AUTO CASCADE SYSTEMS**

[54] **MELANGE DE REFRIGERANTS SANS CFC DESTINE A ETRE UTILISE DANS DES SYSTEMES MULTI-ETAGES AUTOCASCADE**

[72] SESHAMANI, VARADARAJAN, IN
[73] SESHAMANI, VARADARAJAN, IN
[85] 2014-05-07
[86] 2012-12-05 (PCT/IN2012/000797)
[87] (WO2013/186784)
[30] IN (2336/CHE/2012) 2012-06-12

[11] **2,854,987**
[13] C

[51] **Int.Cl. F16B 5/02 (2006.01) F16B 25/00 (2006.01) F16B 25/10 (2006.01)**

[25] EN

[54] **SCREW AND THIN METAL SHEET CONNECTION PRODUCED THEREWITH**

[54] **VIS ET ASSEMBLAGE DE TOLE MINCE REALISE AVEC CELLE-CI**

[72] MAIR, ROLAND, AT
[72] DUTLER, RENE, CH
[73] SFS INTEC HOLDING AG, CH
[85] 2014-05-08
[86] 2013-02-06 (PCT/EP2013/052256)
[87] (WO2013/120738)
[30] DE (10 2012 101 320.9) 2012-02-17

[11] **2,855,568**
[13] C

[51] **Int.Cl. A47J 31/22 (2006.01) A47J 31/44 (2006.01) G06K 19/06 (2006.01)**

[25] EN

[54] **SUPPORT AND CAPSULE FOR PREPARING A BEVERAGE BY CENTRIFUGATION, SYSTEM AND METHOD FOR PREPARING A BEVERAGE BY CENTRIFUGATION**

[54] **SUPPORT ET CAPSULE POUR PREPARATION D'UNE BOISSON PAR CENTRIFUGATION, ET SYSTEME ET PROCEDE DE PREPARATION D'UNE BOISSON PAR CENTRIFUGATION**

[72] JARISCH, CHRISTIAN, CH
[72] KAESER, STEFAN, CH
[72] GERBAULET, ARNAUD, FR
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2014-05-12
[86] 2012-11-14 (PCT/EP2012/072584)
[87] (WO2013/072351)
[30] EP (11189414.3) 2011-11-16

[11] **2,856,147**
[13] C

[51] **Int.Cl. B60R 22/32 (2006.01) B60N 2/58 (2006.01)**

[25] EN

[54] **ASSISTED RESCUE SYSTEM**

[54] **SYSTEME DE SAUVETAGE ASSISTE**

[72] PFISTER, KARL GERHARD, CA
[73] 2040422 ONTARIO INC., CA
[85] 2014-04-22
[86] 2012-10-24 (PCT/CA2012/000990)
[87] (WO2013/059921)
[30] US (61/550,682) 2011-10-24

[11] **2,856,513**
[13] C

[51] **Int.Cl. C09K 3/10 (2006.01) B32B 27/00 (2006.01) B65D 30/02 (2006.01) B65D 65/40 (2006.01) C08L 23/04 (2006.01) C08L 45/00 (2006.01)**

[25] EN

[54] **RESIN COMPOSITION FOR SEALANT, LAMINATED FILM, AND PACKAGING BAG**

[54] **COMPOSITION DE RESINE POUR PRODUIT D'ETANCHEITE, FILM STRATIFIE ET SAC D'EMBALLAGE**

[72] KASHIMA, KOUSUKE, JP
[72] OKAMOTO, HAJIME, JP
[72] INADA, MASAKAZU, JP
[72] YOSHIDA, MIHOKO, JP
[73] FUJIMORI KOGYO CO., LTD., JP
[85] 2014-05-21
[86] 2012-12-11 (PCT/JP2012/082046)
[87] (WO2013/094472)
[30] JP (2011-281366) 2011-12-22

[11] **2,856,714**
[13] C

[51] **Int.Cl. B65D 1/40 (2006.01) B65D 23/00 (2006.01)**

[25] EN

[54] **CONTAINER WITH GRIP PANEL AND ANNULAR RIB HAVING VARIABLE WIDTH**

[54] **RECIPIENT COMPRENANT UN PANNEAU DE PREHENSION ET UNE NERVURE ANNULAIRE PRESENTANT UNE LARGEUR VARIABLE**

[72] PEDMO, MARC A., US
[73] PLASTIPAK PACKAGING, INC., US
[85] 2014-05-22
[86] 2012-11-28 (PCT/US2012/066845)
[87] (WO2013/082147)
[30] US (13/307,315) 2011-11-30

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[11] **2,857,460**
[13] C

[51] **Int.Cl. C09K 3/10 (2006.01) B32B 27/00 (2006.01) B65D 65/40 (2006.01) C08L 45/00 (2006.01) C08L 65/00 (2006.01)**

[25] EN

[54] **SEALANT RESIN COMPOSITION, LAMINATED FILM, AND PACKAGING BAG**

[54] **COMPOSITION DE RESINE POUR PRODUITS D'ETANCHEITE, FILM STRATIFIE ET SAC D'EMBALLAGE**

[72] OKAMOTO, HAJIME, JP
[72] KASHIMA, KOUSUKE, JP
[72] INADA, MASAKAZU, JP
[72] YOSHIDA, MIHOKO, JP
[73] FUJIMORI KOGYO CO., LTD., JP
[85] 2014-05-29
[86] 2013-01-07 (PCT/JP2013/050019)
[87] (WO2013/105524)
[30] JP (2012-003221) 2012-01-11

[11] **2,857,748**
[13] C

[51] **Int.Cl. G01M 15/14 (2006.01) B64D 41/00 (2006.01) B64D 45/00 (2006.01) F01D 21/14 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR MONITORING THE MALFUNCTION OF APU TURBINE VANE FRACTURE AND ROTOR SHAFT JAM**

[54] **PROCEDE ET DISPOSITIF DE SURVEILLANCE DES DEFECTUOSITES D'UN GROUPE AUXILIAIRE DE BORD ATTRIBUABLES A UN BRIS D'AILETTE ET UN BLOCAGE D'ARBRE DE ROTOR DE TURBINE**

[72] DING, HUIFENG, CN
[72] GU, ZHUPING, CN
[72] YUE, QIHE, CN
[72] CHEN, LEI, CN
[72] WU, JIAJU, CN
[72] ZHANG, HAILONG, CN
[72] ZHENG, FENGLIANG, CN
[72] HUANG, LEI, CN
[73] AIR CHINA LIMITED, CN
[86] (2857748)
[87] (2857748)
[22] 2014-07-23
[30] CN (201310313840.9) 2013-07-24

[11] **2,858,091**
[13] C

[51] **Int.Cl. H02P 31/00 (2006.01) G01V 3/38 (2006.01)**

[25] EN

[54] **ELECTRICAL SUBMERSIBLE PUMP MONITORING AND FAILURE PREDICTION**

[54] **SURVEILLANCE ET PREDICTION DES DEFAILLANCES D'UNE POMPE ELECTRIQUE IMMERGEE**

[72] NOUI-MEHIDI, MOHAMED NABIL, SA
[72] BUKHAMSEEN, AHMED YASIN, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2014-06-03
[86] 2012-12-12 (PCT/US2012/069224)
[87] (WO2013/090416)
[30] US (61/570,030) 2011-12-13

[11] **2,858,510**
[13] C

[51] **Int.Cl. A47L 13/20 (2006.01) A47L 13/16 (2006.01)**

[25] EN

[54] **MANUFACTURING APPARATUS AND MANUFACTURING METHOD FOR CLEANING WEB MEMBER**

[54] **DISPOSITIF DE FABRICATION D'ORGANE DE BANDE DE NETTOYAGE ET SON PROCEDE DE FABRICATION**

[72] NOBUKUNI, HISAOKI, JP
[73] UNICHARM CORPORATION, JP
[85] 2014-06-06
[86] 2012-12-28 (PCT/JP2012/084136)
[87] (WO2013/105469)
[30] JP (2012-002274) 2012-01-10

[11] **2,859,221**
[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **LAMIN A/C AND PRELAMINS AS INDICATORS OF FRAILITY AND VULNERABILITY OR RESILIENCY TO ADVERSE HEALTH OUTCOMES**

[54] **LAMINE A/C ET PRELAMINES CONVENANT COMME INDICATEURS DE FRAGILITE ET DE VULNERABILITE OU DE RESILIENCE FACE A DES RESULTATS CLINIQUES DEFAVORABLES**

[72] AFILALO, JONATHAN, CA
[72] MEYER OHAYON, SAMUEL, CA
[72] AFILALO, MARC, CA
[73] AFILALO, JONATHAN, CA
[73] MEYER OHAYON, SAMUEL, CA
[73] AFILALO, MARC, CA
[85] 2014-06-13
[86] 2012-12-14 (PCT/CA2012/050900)
[87] (WO2013/086637)
[30] US (61/576,628) 2011-12-16

[11] **2,860,695**
[13] C

[51] **Int.Cl. E04H 4/14 (2006.01)**

[25] EN

[54] **LIFTING FLOOR FOR BODIES OF WATER**

[54] **PLANCHER D'ELEVATION POUR CORPS D'EAU**

[72] MAUCK, DAVID C., US
[72] BRYAN, WILLIAM, US
[72] GARBER, RONALD H., US
[72] JENNINGS, CLIFFORD A., US
[72] MILLER, NICHOLAS K., US
[72] LINN, JOHN, US
[73] OCEANEERING INTERNATIONAL, INC., US
[85] 2014-07-04
[86] 2013-01-04 (PCT/US2013/020333)
[87] (WO2013/103856)
[30] US (61/583,453) 2012-01-05
[30] US (13/733,429) 2013-01-03

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[11] **2,861,129**
[13] C

[51] **Int.Cl. F04B 1/12 (2006.01) E02B 9/08 (2006.01) F03B 13/06 (2006.01) F03B 13/26 (2006.01) F04B 1/26 (2006.01)**

[25] EN

[54] **HYDROELECTRIC POWER SYSTEM AND PUMP**

[54] **SYSTEME D'ENERGIE HYDROELECTRIQUE ET POMPE ASSOCIEE**

[72] BATEHAM, LAIRD, CA

[73] YOURBROOK ENERGY SYSTEMS LTD., CA

[85] 2014-07-14

[86] 2013-01-22 (PCT/CA2013/050039)

[87] (WO2013/113109)

[30] US (61/593,824) 2012-02-01

[11] **2,861,258**
[13] C

[51] **Int.Cl. C08J 5/04 (2006.01) A61K 47/32 (2006.01) A61L 15/16 (2006.01) A61L 24/00 (2006.01) C08K 7/02 (2006.01) C08L 101/14 (2006.01)**

[25] EN

[54] **STIMULI-RESPONSIVE MATERIAL AND MEDICAL MATERIAL COMPRISING SAME**

[54] **MATERIAU SENSIBLE AUX STIMULI ET MATERIAU MEDICAL LE COMPRENANT**

[72] Horiguchi, Tomoyuki, JP

[72] Takeuchi, Kosaku, JP

[72] Naruse, Yoshihiro, JP

[72] Tanahashi, Kazuhiro, JP

[72] Yokoe, Makito, JP

[72] Yamashita, Kohei, JP

[73] TORAY INDUSTRIES, INC., JP

[85] 2014-07-15

[86] 2013-01-29 (PCT/JP2013/051813)

[87] (WO2013/118605)

[30] JP (2012-024673) 2012-02-08

[30] JP (2012-024674) 2012-02-08

[30] JP (2012-145164) 2012-06-28

[30] JP (2012-155261) 2012-07-11

[30] JP (2012-155262) 2012-07-11

[30] JP (2012-229573) 2012-10-17

[11] **2,861,505**
[13] C

[51] **Int.Cl. A61B 5/08 (2006.01) A61B 5/087 (2006.01) A61B 5/091 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PREDICTING WORK OF BREATHING**

[54] **PROCEDE ET APPAREIL DE PREDICTION DU TRAVAIL RESPIRATOIRE**

[72] EULIANO, NEIL RUSSELL, US

[72] BRENNAN, VICTOR L., US

[72] BLANCH, PAUL B., US

[72] BANNER, MICHAEL J., US

[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US

[85] 2014-07-16

[86] 2013-02-20 (PCT/US2013/026876)

[87] (WO2013/126417)

[30] US (13/400,371) 2012-02-20

[11] **2,861,837**
[13] C

[51] **Int.Cl. H04W 28/14 (2009.01)**

[25] EN

[54] **LONG TERM EVOLUTION WIRELESS COMMUNICATION SYSTEM AND RELATED METHODS**

[54] **SYSTEME DE COMMUNICATION SANS FIL A EVOLUTION A LONG TERME ET METHODES ASSOCIEES**

[72] EINSIG, BARRY, US

[73] HARRIS CORPORATION, US

[85] 2014-06-26

[86] 2013-01-17 (PCT/US2013/021790)

[87] (WO2013/109660)

[30] US (13/353,065) 2012-01-18

[11] **2,861,869**
[13] C

[51] **Int.Cl. H01H 71/10 (2006.01) H01H 3/28 (2006.01) H01H 71/50 (2006.01)**

[25] EN

[54] **REMOTE OPERATED CIRCUIT BREAKER WITH MANUAL RESET**

[54] **DISJONCTEUR ACTIONNE A DISTANCE AVEC REARMEMENT MANUEL**

[72] FASANO, MICHAEL, US

[72] LIN, JIANZHUAN, US

[73] CARLING TECHNOLOGIES, INC., US

[86] (2861869)

[87] (2861869)

[22] 2014-09-04

[30] US (14/025,446) 2013-09-12

[11] **2,862,938**
[13] C

[51] **Int.Cl. A61K 36/22 (2006.01) A61K 31/05 (2006.01) A61K 31/192 (2006.01) A61K 31/20 (2006.01) A61K 31/201 (2006.01) A61P 3/02 (2006.01)**

[25] EN

[54] **PROCESS TO IMPROVE FEED EFFICIENCY AND CARCASS CHARACTERISTICS OF ANIMALS**

[54] **PROCEDE D'AMELIORATION DE L'INDICE DE CONSOMMATION ET DES CARACTERISTIQUES DE CARCASSE D'ANIMAUX**

[72] CAMPBANY, JOAN TORRENT, US

[73] OLIGO BASICS AGROINDUSTRIAL LTDA., BR

[85] 2014-07-28

[86] 2013-02-21 (PCT/US2013/000048)

[87] (WO2013/126149)

[30] US (13/385,521) 2012-02-23

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[11] **2,863,347**
[13] C

[51] **Int.Cl. H01G 2/10 (2006.01) H01G 11/78 (2013.01) H01G 11/84 (2013.01) H01M 2/02 (2006.01)**

[25] FR

[54] **METHOD FOR MANUFACTURING A UNIT FOR STORING ELECTRICAL ENERGY**

[54] **PROCEDE DE FABRICATION D'UN ENSEMBLE DE STOCKAGE D'ENERGIE ELECTRIQUE**

[72] VIGNERAS, ERWAN, FR

[73] BLUE SOLUTIONS, FR

[85] 2014-07-30

[86] 2013-02-07 (PCT/EP2013/052443)

[87] (WO2013/117651)

[30] FR (1251138) 2012-02-07

[11] **2,863,362**
[13] C

[51] **Int.Cl. F22B 31/08 (2006.01)**

[25] EN

[54] **SPLIT PASS ECONOMIZER BANK WITH INTEGRATED WATER COIL AIR HEATING AND FEEDWATER BIASING**

[54] **FAISCEAU D'ECONOMISEUR A PASSE PARTAGEE AVEC RECHAUFFEUR D'AIR A SERPENTIN D'EAU INTEGRE ET DEVIATION D'EAU D'ALIMENTATION**

[72] GRIES, JEFFREY J., US

[72] HINER, LARRY A., US

[72] STIRGWOLT, WILLIAM R., US

[73] THE BABCOCK & WILCOX COMPANY, US

[85] 2014-07-30

[86] 2013-01-30 (PCT/US2013/023856)

[87] (WO2013/119437)

[30] US (61/593,556) 2012-02-01

[30] US (13/754,030) 2013-01-30

[11] **2,864,131**
[13] C

[51] **Int.Cl. H04N 5/232 (2006.01) G06F 3/00 (2006.01)**

[25] EN

[54] **IMAGE CAPTURE SYSTEM**

[54] **SYSTEME DE CAPTURE D'IMAGE**

[72] LASCOLEA, JAMES, US

[72] STEIN, JESSE, US

[72] MCKENNEDY, MICHAEL, US

[73] DEALER DOT COM, INC., US

[85] 2014-08-05

[86] 2013-01-31 (PCT/US2013/024094)

[87] (WO2013/116487)

[30] US (61/594,988) 2012-02-03

[11] **2,865,351**
[13] C

[51] **Int.Cl. C07D 285/08 (2006.01) A61K 31/433 (2006.01) A61P 3/10 (2006.01) A61P 25/28 (2006.01) C07D 417/06 (2006.01)**

[25] EN

[54] **THIADIAZOLIDINEDIONES AS GSK-3 INHIBITORS**

[54] **THIADIAZOLIDINEDIONES SOUS FORME D'INHIBITEURS DE GSK-3**

[72] MEDINA PADILLA, MIGUEL, ES

[72] DOMINGUEZ CORREA, JUAN MANUEL, ES

[72] DE CRISTOBAL BLANCO, JAVIER, ES

[72] FUERTES HUERTA, ANA, ES

[72] SANCHEZ-QUESADA, JORGE, ES

[72] LOPEZ OGALLA, JAVIER, ES

[72] HERRERO SANTOS, SUSANA, ES

[72] PEREZ DE LA CRUZ MORENO, MARIA ANGELES, ES

[72] MARTINEZ MONTERO, OLGA, ES

[72] RODRIGUEZ SALGUERO, BEATRIZ, ES

[72] PALOMO NICOLAU, FRANCISCO, ES

[73] ASD THERAPEUTICS PARTNERS LLC, US

[85] 2014-08-22

[86] 2013-02-22 (PCT/EP2013/053554)

[87] (WO2013/124413)

[30] EP (12382066.4) 2012-02-24

[11] **2,865,846**
[13] C

[51] **Int.Cl. B64D 13/00 (2006.01) B64D 11/00 (2006.01) B64D 25/00 (2006.01)**

[25] EN

[54] **RECEPTACLE WITH COVER**

[54] **RECIPIENT A COUVERCLE**

[72] ANTONINI, MARCO SILVI, DE

[73] B/E AEROSPACE SYSTEMS GMBH, DE

[86] (2865846)

[87] (2865846)

[22] 2014-09-26

[30] DE (10 2013 220 478.7) 2013-10-10

[11] **2,866,966**
[13] C

[51] **Int.Cl. B01F 7/06 (2006.01) F16D 1/08 (2006.01)**

[25] EN

[54] **HORIZONTAL AGITATOR**

[54] **AGITATEUR HORIZONTAL**

[72] HOFKEN, MARCUS, DE

[72] HAGSPIEL, THOMAS, DE

[73] INVENT UMWELT- UND VERFAHRENSTECHNIK AG, DE

[85] 2014-09-10

[86] 2013-03-20 (PCT/EP2013/055840)

[87] (WO2013/143946)

[30] DE (10 2012 205 269.0) 2012-03-30

[11] **2,867,300**
[13] C

[51] **Int.Cl. A23L 27/21 (2016.01) C07C 233/47 (2006.01) C07C 233/49 (2006.01) C07C 321/14 (2006.01) C07D 207/16 (2006.01)**

[25] EN

[54] **N-ACYLATED 1-AMINOCYCLOALKYL CARBOXYLIC ACIDS AS FOOD FLAVOURING COMPOUNDS**

[54] **ACIDE CARBOXYLIQUES N-ACYLATES 1-AMINOCYCLOALKYLES COMME COMPOSES AROMATISANTS ALIMENTAIRES**

[72] SHI, FENG, US

[72] RENES, HARRY, NL

[72] VAN OMMEREN, ESTHER, NL

[72] VORSTER, SUSANNA MAGDALENA, NL

[72] WANG, YILI, US

[72] DE KLERK, ADRI, NL

[72] YANG, XIAOGEN, CN

[73] GIVAUDAN S.A., CH

[85] 2014-09-12

[86] 2013-03-28 (PCT/US2013/034299)

[87] (WO2013/148965)

[30] US (61/617,796) 2012-03-30

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[11] **2,867,639**

[13] C

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[25] EN
[54] **SYSTEMS AND METHODS FOR A LOCKING DOUBLE CARABINER**
[54] **SYSTEMES ET METHODES DE VERROUILLAGE DE MOUSQUETON DOUBLE**
[72] LIANG, ROBIN, CN
[73] NITE IZE, INC., US
[85] 2014-09-16
[86] 2013-03-06 (PCT/US2013/029400)
[87] (WO2013/134405)
[30] CN (201220083757.8) 2012-03-07
[30] US (61/749,299) 2013-01-05

[11] **2,868,635**

[13] C

- [51] **Int.Cl. B23K 35/00 (2006.01) B23K 35/02 (2006.01) B23K 35/365 (2006.01) C22C 19/00 (2006.01)**
[25] EN
[54] **A BRAZE ALLOY LAYERED PRODUCT**
[54] **PRODUIT REVETU D'ALLIAGE DE BRASAGE**
[72] SJODIN, PER, SE
[72] WALTER, KRISTIAN, SE
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2014-09-26
[86] 2013-03-27 (PCT/EP2013/056529)
[87] (WO2013/144210)
[30] EP (12161742.7) 2012-03-28

[11] **2,870,704**

[13] C

- [51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **COOKING APPARATUS AND METHOD FOR CONTROLLING A COOKING APPARATUS**
[54] **APPAREIL DE CUISSON ET PROCEDE DE COMMANDE D'UN APPAREIL DE CUISSON**
[72] PITTEURS, BENNY MARCELINUS LYDIE, BE
[73] PITTEURS, BENNY MARCELINUS LYDIE, BE
[85] 2014-10-16
[86] 2013-04-18 (PCT/BE2013/000019)
[87] (WO2013/155574)
[30] BE (2012/0263) 2012-04-20

[11] **2,871,208**

[13] C

- [51] **Int.Cl. B60W 10/04 (2006.01) B60H 1/32 (2006.01) B60W 10/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR VEHICLE IDLE MANAGEMENT**
[54] **APPAREIL ET PROCEDES PERMETTANT UNE GESTION DE L'ARRET DE VEHICULE**
[72] SELF, LANCE D., US
[72] BENNETT, TOD M., US
[73] ZERO RPM, INC., US
[85] 2014-10-22
[86] 2013-04-24 (PCT/US2013/037943)
[87] (WO2013/163274)
[30] US (61/637,579) 2012-04-24

[11] **2,872,078**

[13] C

- [51] **Int.Cl. B29C 41/20 (2006.01) B29D 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING AN OPTICAL MODULE HAVING A POLYMER LENS, OPTICAL MODULE AND USE THEREOF**
[54] **PROCEDE DE PRODUCTION D'UN MODULE OPTIQUE DOTE D'UN SYSTEME OPTIQUE POLYMERE, MODULE OPTIQUE ET SON UTILISATION**
[72] PEIL, MICHAEL, DE
[72] SCHADT, SUSANNE, DE
[72] MAIWEG, HARALD, DE
[72] HELMLING, MARCUS, DE
[73] HERAEUS NOBLELIGHT GMBH, DE
[85] 2014-10-30
[86] 2013-03-21 (PCT/EP2013/000863)
[87] (WO2013/164055)
[30] DE (10 2012 008 640.7) 2012-05-02

[11] **2,872,109**

[13] C

- [51] **Int.Cl. G01N 33/15 (2006.01) G01N 33/483 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED DETERMINATION OF THE RELATIVE EFFECTIVENESS OF ANTI-CANCER DRUG CANDIDATES**
[54] **SYSTEME ET PROCEDE POUR DETERMINER AUTOMATIQUEMENT L'EFFICACITE RELATIVE DE MEDICAMENTS CANDIDATS ANTICANCEREUX**
[72] HALLQUIST, ALLAN E., US
[72] PERREE, MATHIEU, CA
[72] PETIT, OLIVIER, CA
[73] PIERIAN BIOSCIENCES, LLC, US
[85] 2014-10-30
[86] 2013-05-02 (PCT/US2013/039189)
[87] (WO2013/166233)
[30] US (61/641,610) 2012-05-02
[30] US (13/803,623) 2013-03-14

[11] **2,872,347**

[13] C

- [51] **Int.Cl. G01R 33/563 (2006.01) A61B 5/055 (2006.01) G01N 24/00 (2006.01)**
[25] EN
[54] **ANALYSIS FOR QUANTIFYING MICROSCOPIC DIFFUSION ANISOTROPY**
[54] **ANALYSE DE QUANTIFICATION DE L'ANISOTROPIE DE LA DIFFUSION MICROSCOPIQUE**
[72] TOPGAARD, DANIEL, SE
[72] LASIC, SAMO, SE
[72] NILSSON, MARKUS, SE
[73] CR DEVELOPMENT AB, SE
[85] 2014-10-31
[86] 2013-05-03 (PCT/SE2013/050493)
[87] (WO2013/165313)
[30] SE (1250453-6) 2012-05-04
[30] US (61/642,589) 2012-05-04

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[11] **2,872,951**
[13] C

[51] **Int.Cl. E21B 10/26 (2006.01) E21B 10/567 (2006.01)**
[25] EN
[54] **A DOWNHOLE ASSEMBLY AND REAMING TOOL HAVING REAMING INSERTS**
[54] **UN ASSEMBLAGE DE FOND DE TROU ET D'OUTIL D'ALEPAGE COMPORTANT DES INSERTIONS D'ALEPAGE**
[72] ZAKI, MAGDY M., EG
[72] AHMED, OMAR, US
[72] AGUIB, KARIM A., EG
[72] ADBEL-KADER, AHMED GALAL, EG
[73] TERCEL IP LIMITED, VG
[85] 2014-11-07
[86] 2013-05-08 (PCT/IB2013/000890)
[87] (WO2013/167954)
[30] GB (1208286.3) 2012-05-11

[11] **2,874,418**
[13] C

[51] **Int.Cl. G01N 21/05 (2006.01) G01N 21/78 (2006.01) G01N 21/84 (2006.01)**
[25] EN
[54] **GAS MEASUREMENT SYSTEM**
[54] **SYSTEME DE MESURE DE GAZ**
[72] HANSMANN, HANS-ULLRICH, DE
[72] MOHRMANN, ANDREAS, DE
[72] TROLLSCH, ARNE, DE
[72] POLZIUS, RAINER, DE
[73] DRAGER SAFETY AG & CO. KGAA, DE
[85] 2014-11-21
[86] 2013-07-17 (PCT/EP2013/065101)
[87] (WO2014/012977)
[30] DE (10 2012 014 504.7) 2012-07-20

[11] **2,874,855**
[13] C

[51] **Int.Cl. B23B 31/20 (2006.01)**
[25] EN
[54] **COLLET POSITIONING MECHANISM FOR A ROTARY TOOL**
[54] **MECANISME DE POSITIONNEMENT DE PINCE POUR OUTIL ROTATIF**
[72] MEYERS, ANDREW, US
[73] ROBERT BOSCH GMBH, DE
[85] 2014-11-26
[86] 2013-01-29 (PCT/US2013/023580)
[87] (WO2013/184174)
[30] US (13/488,489) 2012-06-05

[11] **2,874,868**
[13] C

[51] **Int.Cl. B23B 31/20 (2006.01)**
[25] EN
[54] **QUICK CHANGE COLLET CHUCK ASSEMBLY AND MANUFACTURING THEREOF**
[54] **ENSEMBLE MANDRIN A PINCE A CHANGEMENT RAPIDE ET FABRICATION DE CET ENSEMBLE**
[72] MEYERS, ANDREW, US
[72] ADOLF, WAYNE, US
[72] NOVOTNY, SCOTT, US
[73] ROBERT BOSCH GMBH, DE
[85] 2014-11-26
[86] 2013-01-29 (PCT/US2013/023631)
[87] (WO2013/184176)
[30] US (13/488,476) 2012-06-05

[11] **2,874,993**
[13] C

[51] **Int.Cl. G06T 7/194 (2017.01) A63F 13/213 (2014.01) A63F 13/52 (2014.01) G06T 7/174 (2017.01) H04N 5/272 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING FOR VIDEO MATTING**
[54] **TRAITEMENT D'IMAGE POUR UN DETOURAGE VIDEO**
[72] FRANCOIS, ALEXANDRE RALPH JEAN, US
[72] SCHULTZ, JOHN C., US
[73] NOO INC., US
[85] 2014-11-27
[86] 2012-05-08 (PCT/US2012/036937)
[87] (WO2012/166305)
[30] US (61/492,771) 2011-06-02
[30] US (13/211,115) 2011-08-16

[11] **2,875,043**
[13] C

[51] **Int.Cl. H05B 3/58 (2006.01)**
[25] EN
[54] **HEATING CABLES**
[54] **CABLES CHAUFFANTS**
[72] HEISE, LORNE R., CA
[72] MYERS, CHUCK H., US
[73] HEAT-LINE CORPORATION, CA
[86] (2875043)
[87] (2875043)
[22] 2014-12-12
[30] US (61/915,335) 2013-12-12

[11] **2,875,338**
[13] C

[51] **Int.Cl. G01N 21/17 (2006.01) G01N 21/35 (2014.01)**
[25] EN
[54] **MEASUREMENT OF GASEOUS COMPOUND USING SPECTROSCOPY**
[54] **MESURE DE COMPOSE GAZEUX UTILISANT UNE SPECTROSCOPIE**
[72] SORVAJARVI, TAPIO, FI
[72] TOIVONEN, JUHA, FI
[72] ROPPO, JUHA, FI
[72] SILVENNOINEN, JAANI, FI
[72] ENESTAM, SONJA, FI
[73] VALMET TECHNOLOGIES OY, FI
[85] 2014-12-01
[86] 2012-06-08 (PCT/FI2012/050579)
[87] (WO2013/182735)

[11] **2,876,328**
[13] C

[51] **Int.Cl. F04D 29/70 (2006.01) E21B 47/00 (2012.01) F04D 31/00 (2006.01)**
[25] EN
[54] **SUBSEA COMPRESSOR CLEANING METHOD WHEREIN THE CLEANING LIQUID IS RETRIEVED FROM THE MULTIPHASE PROCESS FLUID**
[54] **PROCEDE DE NETTOYAGE DE COMPRESSEUR SOUS-MARIN DANS LEQUEL LE LIQUIDE DE NETTOYAGE EST RECUPERE DU FLUIDE DE TRAITEMENT A PLUSIEURS PHASES**
[72] BRENNE, LARS, NO
[72] BJORGE, TOR, NO
[72] UNDERBAKKE, HARALD, NO
[72] KIBSGAARD, SVEND TARALD, NO
[73] STATOIL PETROLEUM AS, NO
[85] 2014-12-11
[86] 2012-06-11 (PCT/EP2012/061019)
[87] (WO2013/185801)

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[11] **2,876,901**
[13] C

[51] **Int.Cl. H02K 5/04 (2006.01) F04B 47/06 (2006.01) F04D 13/10 (2006.01)**
[25] EN
[54] **MOTOR SHROUD FOR AN ELECTRIC SUBMERSIBLE PUMP**
[54] **ENVELOPPE DE MOTEUR POUR POMPE ELECTRIQUE IMMERGEE**
[72] NOWITZKI, WESLEY JOHN, US
[72] DAVIS, GREGORY AUSTIN, US
[72] ROBERTS, RANDY S., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[86] (2876901)
[87] (2876901)
[22] 2015-01-07
[30] US (61/924,836) 2014-01-08
[30] US (14/590,775) 2015-01-06

[11] **2,877,461**
[13] C

[51] **Int.Cl. A01F 29/00 (2006.01)**
[25] FR
[54] **DISTRIBUTION MACHINE**
[54] **MACHINE DE DISTRIBUTION**
[72] ROGER, CHRISTOPHE, FR
[72] GARNIER, CHARLY, FR
[73] KUHN-AUDUREAU S.A., FR
[85] 2014-12-19
[86] 2013-07-09 (PCT/FR2013/051638)
[87] (WO2014/009651)
[30] FR (1256743) 2012-07-12

[11] **2,879,789**
[13] C

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/517 (2006.01) A61K 31/59 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 491/052 (2006.01) C07D 495/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **FUSED PYRIMIDINES AS INHIBITORS OF P97 COMPLEX**
[54] **PYRIMIDINES FUSIONNEES EN TANT QU'INHIBITEURS DU COMPLEXE P97**
[72] ZHOU, HAN-JIE, US
[72] PARLATI, FRANCESCO, US
[72] WUSTROW, DAVID, US
[73] CLEAVE BIOSCIENCES, INC., US
[85] 2015-01-20
[86] 2013-07-19 (PCT/US2013/051358)
[87] (WO2014/015291)
[30] US (61/674,144) 2012-07-20
[30] US (61/737,666) 2012-12-14

[11] **2,879,880**
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/136 (2006.01)**
[25] EN
[54] **FLOW RESTRICTOR FOR RESTRICTING FLUID FLOW IN AN ANNULUS**
[54] **LIMITEUR D'ECOULEMENT SERVANT A LIMITER L'ECOULEMENT DE FLUIDE DANS UN ANNULAIRE**
[72] CRAIGON, ALAN, GB
[72] EGLETON, PHILIP CG, GB
[72] REID, STEPHEN, GB
[72] ELRICK, ANDREW JOHN, GB
[72] PORTA, SANTIAGO GALVEZ, GB
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2015-01-22
[86] 2012-07-25 (PCT/GB2012/051788)
[87] (WO2014/016536)

[11] **2,880,267**
[13] C

[51] **Int.Cl. H04M 11/06 (2006.01) H04B 3/46 (2015.01)**
[25] EN
[54] **MANAGEMENT SYSTEM AND METHODS OF MANAGING TIME-DIVISION DUPLEX (TDD) TRANSMISSION OVER COPPER**
[54] **SYSTEME DE GESTION ET PROCEDES DE GESTION DE LA TRANSMISSION PAR DUPLEXAGE PAR REPARTITION DANS LE TEMPS (TDD) SUR DU CUIVRE**
[72] KERPEZ, KENNETH, US
[72] GINIS, GEORGE, US
[72] GOLDBURG, MARC, US
[72] TEHRANI, ARDAVAN MALEKI, US
[73] ASSIA SPE, LLC, US
[85] 2015-01-27
[86] 2012-10-12 (PCT/US2012/060115)
[87] (WO2014/018072)
[30] US (61/676,862) 2012-07-27

[11] **2,880,495**
[13] C

[51] **Int.Cl. H01B 5/10 (2006.01)**
[25] EN
[54] **SURFACE MODIFIED OVERHEAD CONDUCTOR**
[54] **CONDUCTEUR AERIEN MODIFIE EN SURFACE**
[72] DAVIS, CODY R., US
[72] RANGANATHAN, SATHISH KUMAR, US
[72] ANDERSEN, RYAN, US
[72] MHETAR, VIJAY, US
[72] TEMPLE, WILLIAM S., US
[72] SIRIPURAPU, SRINIVAS, US
[72] BAKER, GORDON, US
[72] FREESTONE, JAMES, US
[72] DOSS, DENNIS L., US
[73] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[85] 2015-01-29
[86] 2013-04-19 (PCT/US2013/037433)
[87] (WO2014/025420)
[30] US (61/681,926) 2012-08-10
[30] US (61/702,120) 2012-09-17
[30] US (61/769,492) 2013-02-26
[30] US (61/800,608) 2013-03-15
[30] US (13/863,902) 2013-04-16

[11] **2,880,515**
[13] C

[51] **Int.Cl. C10G 65/02 (2006.01) C10G 47/00 (2006.01)**
[25] EN
[54] **RESIDUE HYDROCRACKING**
[54] **HYDROCRAQUAGE DE RESIDUS**
[72] MUKHERJEE, UJJAL K., US
[72] BALDASSARI, MARIO C., US
[73] LUMMUS TECHNOLOGY INC., US
[85] 2015-01-29
[86] 2013-07-15 (PCT/US2013/050487)
[87] (WO2014/022082)
[30] US (13/566,682) 2012-08-03

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[11] **2,880,553**
[13] C

[51] **Int.Cl. E01C 23/10 (2006.01) B66C 1/66 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LIFTING AND LEVELING A CONCRETE PANEL**
[54] **PROCEDE ET APPAREIL POUR SOULEVER ET METTRE A NIVEAU UN PANNEAU DE BETON**
[72] SIQUEIROS, BALTAZAR, US
[73] SIQUEIROS, BALTAZAR, US
[85] 2015-01-29
[86] 2013-08-09 (PCT/US2013/054366)
[87] (WO2014/031365)
[30] US (13/594,604) 2012-08-24

[11] **2,880,624**
[13] C

[51] **Int.Cl. G07C 9/00 (2006.01) B66B 1/46 (2006.01) G01C 21/20 (2006.01)**
[25] EN
[54] **GUIDING USERS IN AN AREA**
[54] **GUIDAGE DES UTILISATEURS DANS UN DOMAINE**
[72] SCHUSTER, KILIAN, CH
[73] INVENTIO AG, CH
[85] 2015-01-29
[86] 2013-07-19 (PCT/EP2013/065305)
[87] (WO2014/032855)
[30] EP (12182608.5) 2012-08-31

[11] **2,881,861**
[13] C

[51] **Int.Cl. F02C 9/20 (2006.01) F01D 17/16 (2006.01)**
[25] EN
[54] **FAN DRIVE GEAR SYSTEM MODULE AND INLET GUIDE VANE COUPLING MECHANISM**
[54] **MODULE DE SYSTEME D'ENGRENAGE D'ENTRAINEMENT DE SOUFFLANTE ET MECANISME D'ACCOUPLMENT D'AUBE DE GUIDAGE D'ENTREE**
[72] MAJOR, DANIEL W., US
[72] REINHARDT, GREGORY E., US
[72] REMBISH, PAUL THOMAS, US
[72] SPAULDING, BARRY WILLIAM, US
[72] SUMMERS, DONALD, US
[73] UNITED TECHNOLOGIES CORPORATION, US
[85] 2015-02-11
[86] 2013-09-12 (PCT/US2013/059506)
[87] (WO2014/046965)
[30] US (61/703,489) 2012-09-20
[30] US (61/789,207) 2013-03-15

[11] **2,882,046**
[13] C

[51] **Int.Cl. B29C 70/58 (2006.01)**
[25] EN
[54] **FOLDED COMPOSITE FILLER**
[54] **REMPLISSEUR DE COMPOSITE EN PLI**
[72] VETTER, DEREK PAUL, US
[72] SOMMER, DREW EDWARD, US
[73] THE BOEING COMPANY, US
[86] (2882046)
[87] (2882046)
[22] 2015-02-16
[30] US (14/287,448) 2014-05-27

[11] **2,883,472**
[13] C

[51] **Int.Cl. G01V 3/02 (2006.01) H01R 4/2404 (2018.01) G01V 3/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GEOPHYSICAL DATA COLLECTION**
[54] **SYSTEME ET METHODE DE COLLECTE DE DONNEES GEOPHYSIQUES**
[72] CHUBAK, GLENN, CA
[73] CHUBAK, GLENN, CA
[86] (2883472)
[87] (2883472)
[22] 2015-03-02

[11] **2,883,658**
[13] C

[51] **Int.Cl. G01F 25/00 (2006.01) G01R 31/367 (2019.01) G01F 3/06 (2006.01)**
[25] EN
[54] **FAULT TOLERANT POWER SYSTEM ARCHITECTURE FOR FLUID FLOW MEASUREMENT SYSTEMS**
[54] **ARCHITECTURE D'ALIMENTATION INSENSIBLE AUX DEFAILLANCES POUR SYSTEMES DE MESURE DE DEBIT DE FLUIDE**
[72] GUTIERREZ, FRANCISCO M., US
[72] DIAZ, DANIEL J., US
[72] HAIRSTON, RONALD JAMES, US
[73] NATURAL GAS SOLUTIONS NORTH AMERICA, LLC, US
[86] (2883658)
[87] (2883658)
[22] 2007-05-08
[62] 2,587,988
[30] US (11/434,977) 2006-05-16

[11] **2,884,426**
[13] C

[51] **Int.Cl. E01B 5/02 (2006.01)**
[25] EN
[54] **SINGLE BEND RAIL**
[54] **RAIL A CINTRAGE UNIQUE**
[72] URMSON, W. THOMAS, JR., US
[72] MOSPAN, JOHN W., US
[73] KOPPERS DELAWARE, INC., US
[85] 2015-03-09
[86] 2013-09-13 (PCT/US2013/059605)
[87] (WO2014/043440)
[30] US (61/701,185) 2012-09-14

[11] **2,885,319**
[13] C

[51] **Int.Cl. A41C 3/00 (2006.01) D01B 1/24 (2006.01) D04B 1/24 (2006.01) A41D 19/015 (2006.01)**
[25] EN
[54] **KNITTED BRA HAVING VARIABLE ELASTICITY**
[54] **SOUTIEN-GORGE TRICOTE A ELASTICITE VARIABLE**
[72] TURLAN, MANON, FR
[73] HANES OPERATIONS EUROPE SAS, FR
[85] 2015-03-17
[86] 2013-11-13 (PCT/FR2013/052722)
[87] (WO2014/076413)
[30] FR (12/60761) 2012-11-13
[30] FR (12/60949) 2012-11-19

[11] **2,885,564**
[13] C

[51] **Int.Cl. C07H 21/02 (2006.01) A61K 31/713 (2006.01)**
[25] EN
[54] **NOVEL RIG-I LIGANDS AND METHODS FOR PRODUCING THEM**
[54] **NOUVEAUX LIGANDS DE RIG-I ET LEURS PROCEDES DE PRODUCTION**
[72] GOLDECK, MARION, DE
[72] VAN DEN BOORN, JASPER, DE
[72] LUDWIG, JANOS, DE
[72] SCHUBERTH-WAGNER, CHRISTINE, DE
[73] RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAT BONN, DE
[85] 2015-03-19
[86] 2013-09-26 (PCT/EP2013/070117)
[87] (WO2014/049079)
[30] EP (12186444.1) 2012-09-27

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[11] **2,885,932**
[13] C

[51] **Int.Cl. C23C 24/04 (2006.01) C23C 4/123 (2016.01) B32B 1/00 (2006.01) B32B 37/06 (2006.01)**

[25] EN

[54] **METHODS TO IMPROVE HOT WORKABILITY OF METAL ALLOYS**

[54] **PROCEDES POUR AMELIORER L'APTITUDE AU TRAVAIL A CHAUD D'ALLIAGES METALLIQUES**

[72] FORBES JONES, ROBIN M., US
[72] KENNEDY, RICHARD L., US
[73] CAO, WEI-DI, US
[73] ATI PROPERTIES LLC, US
[85] 2015-03-25
[86] 2014-03-07 (PCT/US2014/021766)
[87] (WO2014/149996)
[30] US (13/833,144) 2013-03-15

[11] **2,886,283**
[13] C

[51] **Int.Cl. B01D 67/00 (2006.01) B01D 71/62 (2006.01) C08F 232/08 (2006.01) C08F 297/08 (2006.01) C08J 5/18 (2006.01) C08J 9/228 (2006.01) C08L 45/00 (2006.01) C08L 53/00 (2006.01)**

[25] EN

[54] **MEMBRANES COMPRISING SELF-ASSEMBLED BLOCK COPOLYMER AND PROCESS FOR PRODUCING THE SAME BY SPRAY COATING (IIC)**

[54] **MEMBRANES COMPORTANT UN COPOLYMERE BLOC AUTO-ASSEMBLE ET PROCEDE DE PRODUCTION DESDITES MEMBRANES PAR REVETEMENT PULVERISE (IIC)**

[72] AAMER, KHALED ABDEL-HAKIM HELMY, US
[72] SINGH, AMARNAUTH, US
[72] SHI, SELINA, US
[73] PALL CORPORATION, US
[86] (2886283)
[87] (2886283)
[22] 2015-03-26
[30] US (62/005,753) 2014-05-30

[11] **2,889,930**
[13] C

[51] **Int.Cl. A47C 27/14 (2006.01) A47C 27/00 (2006.01) A47C 27/15 (2006.01)**

[25] EN

[54] **MATTRESS STRUCTURE AND METHOD OF USING TECHNICAL FEATURE THEREOF TO HELP USER TO LEARN ABOUT USE OF MATTRESS STRUCTURE AND DETERMINE WHETHER USER CAN ADJUST TO MATTRESS STRUCTURE**

[54] **STRUCTURE DE MATELAS ET PROCEDE D'UTILISATION DE SES CARACTERISTIQUES TECHNIQUES PERMETTANT D'AIDER L'UTILISATEUR A APPRENDRE A SERVIR D'UNE STRUCTURE DE MATELAS ET DE DETERMINERSI L'UTILISATEUR PEUT S'ADAPTER A LA STRUCTURE DE MATELAS**

[72] HUI, CHEUNG WING, CN
[73] GLORIOUS MASTER LIMITED, VG
[85] 2015-04-29
[86] 2014-02-08 (PCT/CN2014/000144)
[87] (WO2014/121665)
[30] HK (13101804.9) 2013-02-08
[30] CN (201310050645.1) 2013-02-08

[11] **2,890,838**
[13] C

[51] **Int.Cl. C02F 3/30 (2006.01) C02F 1/20 (2006.01) C02F 3/12 (2006.01)**

[25] EN

[54] **INSTALLATION AND METHOD FOR WASTEWATER TREATMENT**

[54] **INSTALLATION ET PROCEDE POUR LE TRAITEMENT D'EAU RESIDUAIRE**

[72] GOLCZ, ANDRZEJ, PL
[73] GOLCZ, ANDRZEJ, PL
[85] 2015-05-07
[86] 2013-11-12 (PCT/PL2013/000144)
[87] (WO2014/077711)
[30] PL (P.401650) 2012-11-16

[11] **2,891,491**
[13] C

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/12 (2006.01)**

[25] EN

[54] **LEFT ATRIAL APPENDAGE CLOSURE IMPLANT**

[54] **IMPLANT DE FERMETURE D'APPENDICE AURICULAIRE GAUCHE**

[72] TISCHLER, BRIAN J., US
[72] CLARK, CHRISTOPHER J., US
[72] PEIFFER, DENNIS A., US
[72] CHAU, THYNA M., US
[73] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2015-05-13
[86] 2013-11-14 (PCT/US2013/070091)
[87] (WO2014/078531)
[30] US (61/726,337) 2012-11-14
[30] US (14/057,573) 2013-10-18

[11] **2,891,765**
[13] C

[51] **Int.Cl. B62H 7/00 (2006.01) B62J 99/00 (2009.01) B62K 17/00 (2006.01) B62K 25/04 (2006.01) G01L 1/18 (2006.01) H03K 17/95 (2006.01)**

[25] EN

[54] **APPARATUS FOR DETECTING RIDING POSTURE**

[54] **APPAREIL DE DETECTION DE POSITION DE CONDUITE**

[72] LIN, CHUNG-WEI, TW
[72] CHEN, MIN-CHANG, TW
[73] GIANT MANUFACTURING CO., LTD., TW
[86] (2891765)
[87] (2891765)
[22] 2015-05-19
[30] TW (103127773) 2014-08-13

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[11] **2,892,080**
[13] C

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[25] EN
[54] **RECORDING PROGRAM EXECUTION**
[54] **ENREGISTREMENT DE L'EXECUTION D'UN PROGRAMME**
[72] WOOD, JOSEPH STUART, US
[72] FREUNDLICH, ROBERT, US
[73] AB INITIO TECHNOLOGY LLC, US
[85] 2015-05-20
[86] 2014-02-11 (PCT/US2014/015846)
[87] (WO2014/149242)
[30] US (61/798,246) 2013-03-15
[30] US (14/156,905) 2014-01-16

[11] **2,892,894**
[13] C

[51] **Int.Cl. A23L 3/015 (2006.01)**
[25] EN
[54] **CONTAINER SEALING DEVICE FOR HIGH-PRESSURE CHAMBER**
[54] **DISPOSITIF DE FERMETURE DE RECIPIENT POUR UNE CHAMBRE A HAUTE PRESSION**
[72] NUNNERICH, PETER, DE
[72] KNAUF, WILFRIED, DE
[73] UHDE HIGH PRESSURE TECHNOLOGIES GMBH, DE
[85] 2015-05-27
[86] 2013-11-26 (PCT/EP2013/003557)
[87] (WO2014/082728)
[30] DE (10 2012 023 186.5) 2012-11-28

[11] **2,893,104**
[13] C

[51] **Int.Cl. F28D 1/047 (2006.01) F28D 1/02 (2006.01) F28F 1/24 (2006.01)**
[25] EN
[54] **TUBING ELEMENT FOR A HEAT EXCHANGER MEANS**
[54] **ELEMENT TUBULAIRE POUR MOYEN D'ECHANGEUR DE CHALEUR**
[72] QUESADA S., CARLOS, CR
[73] QUESADA S., CARLOS, CR
[85] 2015-05-28
[86] 2013-12-02 (PCT/IB2013/060570)
[87] (WO2014/083552)
[30] EP (12195014.1) 2012-11-30
[30] US (61/731,726) 2012-11-30

[11] **2,896,148**
[13] C

[51] **Int.Cl. B66B 21/10 (2006.01) B65G 17/06 (2006.01) B66B 23/02 (2006.01) B66B 23/14 (2006.01)**
[25] EN
[54] **TURNING SYSTEM FOR BELT TRANSPORT SYSTEM**
[54] **SYSTEME DE VIRAGE POUR SYSTEME DE TRANSPORT A COURROIE**
[72] GONZALEZ ALEMANY, MIGUEL ANGEL, ES
[72] MENDIOLAGOITIA JULIANA, JOSE, ES
[72] GONZALEZ PANTIGA, JUAN DOMINGO, ES
[72] OJEDA ARENAS, JOSE, ES
[72] PALOMERO COCHO, FRANCISCO, ES

[72] CASTANO LANTERO, AURELIO, ES
[72] MORAN GARCIA, EDUARDO, ES
[72] ROS ZUAZUA, PEDRO, ES
[72] FERNANDEZ ALVAREZ, LUIS JOAQUIN, ES
[72] FLOREZ CASTRO, ALBERTO, ES
[73] THYSSENKRUPP ELEVATOR INNOVATION CENTER, S.A., ES
[85] 2015-06-22
[86] 2013-12-03 (PCT/EP2013/075347)
[87] (WO2014/102040)
[30] ES (P201232035) 2012-12-27

[11] **2,896,885**
[13] C

[51] **Int.Cl. A47C 3/02 (2006.01)**
[25] EN
[54] **RESTRICTED ROCKER SPRING ASSEMBLY**
[54] **ENSEMBLE DE RESSORT DE FAUTEUIL A BASCULE LIMITE**
[72] HARWOOD, ERIC B., US
[72] LAPOINTE, LARRY P., US
[73] LA-Z-BOY INCORPORATED, US
[85] 2015-06-29
[86] 2014-02-28 (PCT/US2014/019455)
[87] (WO2014/134467)
[30] US (13/782,835) 2013-03-01

[11] **2,897,415**
[13] C

[51] **Int.Cl. B01D 53/18 (2006.01) B01D 3/26 (2006.01) F23J 15/04 (2006.01)**
[25] EN
[54] **MARINE EXHAUST GAS SCRUBBER**
[54] **PURIFICATEUR DE GAZ D'ECHAPPEMENT MARIN**
[72] STRANDBERG, PETER, NO
[73] MARINE GLOBAL HOLDING AS, NO
[85] 2015-07-07
[86] 2014-02-21 (PCT/EP2014/053428)
[87] (WO2014/128261)
[30] NO (20130290) 2013-02-22
[30] US (61/768,019) 2013-02-22

[11] **2,897,528**
[13] C

[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/047 (2006.01) B01D 53/053 (2006.01)**
[25] EN
[54] **PRODUCT GAS CONCENTRATOR UTILIZING VACUUM SWING ADSORPTION AND METHOD ASSOCIATED THEREWITH**
[54] **CONCENTRATEUR DE PRODUIT GAZEUX UTILISANT UNE ADSORPTION MODULEE SOUS VIDE ET PROCEDE ASSOCIE AVEC CELUI-CI**
[72] RICHEY, JOSEPH B., II, US
[72] DANIELS, WILLIAM J., US
[73] INVACARE CORPORATION, US
[85] 2015-07-08
[86] 2014-01-07 (PCT/US2014/010409)
[87] (WO2014/110001)
[30] US (61/750,517) 2013-01-09
[30] US (13/790,473) 2013-03-08

[11] **2,897,529**
[13] C

[51] **Int.Cl. B60C 27/06 (2006.01) B60C 27/08 (2006.01) F16G 15/12 (2006.01)**
[25] EN
[54] **TYRE CHAIN AND COMPONENTS THEREOF**
[54] **CHAINE POUR PNEUMATIQUES ET COMPOSANTS DE CELLE-CI**
[72] COLES, RODNEY EDWARD, AU
[72] COLES, OWEN DOUGLAS, AU
[73] PRO VIDE AUSTRALIA PTY LTD, AU
[85] 2015-07-08
[86] 2013-01-08 (PCT/AU2013/000006)
[87] (WO2013/104014)
[30] AU (2012900103) 2012-01-11

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[11] **2,897,860**
[13] C

[51] **Int.Cl. A61L 29/16 (2006.01) A61L 27/54 (2006.01) A61L 29/08 (2006.01) A61L 31/16 (2006.01) A61M 25/00 (2006.01) A61N 1/05 (2006.01) D01D 5/24 (2006.01)**

[25] EN

[54] **DEVICES WITH ANTI-THROMBOGENIC AND ANTI-MICROBIAL TREATMENT**

[54] **DISPOSITIF AVEC TRAITEMENT ANTITHROMBOGENIQUE ET ANTIMICROBIEN**

[72] GUPTA, NISHA, US

[72] YOU, CHUANTING, US

[72] GIARE-PATEL, KAMNA, US

[72] SECHRIST, KEVIN, US

[73] TELEFLEX MEDICAL INCORPORATED, US

[85] 2015-07-09

[86] 2014-03-10 (PCT/US2014/022574)

[87] (WO2014/164487)

[30] US (61/776,104) 2013-03-11

[30] US (61/879,623) 2013-09-18

[11] **2,897,903**
[13] C

[51] **Int.Cl. G06N 99/00 (2019.01)**

[25] EN

[54] **CHEMICALLY OPERATED TURING MACHINE**

[54] **MACHINE DE TURING FONCTIONNANT CHIMIQUEMENT**

[72] PEREZ-MERCADER, JUAN, US

[72] DUENAS-DIEZ, MARTA, ES

[72] CASE, DANIEL, US

[73] REPSOL, S.A., ES

[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2015-07-10

[86] 2014-01-10 (PCT/EP2014/050350)

[87] (WO2014/108485)

[30] US (13/739,332) 2013-01-11

[11] **2,899,719**
[13] C

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

[25] EN

[54] **SYSTEM AND METHOD FOR INTERACTIVE REMOTE MOVIE WATCHING, SCHEDULING, AND SOCIAL CONNECTION**

[54] **SYSTEME ET PROCEDE DE VISUALISATION DE FILM, DE PROGRAMMATION ET DE CONNEXION SOCIALE A DISTANCE INTERACTIVES**

[72] WONG, ABRAHAM CHEE SHUN, US

[72] GROVE, ALYSON ELISE, US

[72] LEE, EUGENE M., US

[72] SIMARD, STEPHANIE ANNE, US

[73] PARAMOUNT PICTURES CORPORATION, US

[85] 2015-07-29

[86] 2014-01-29 (PCT/US2014/013646)

[87] (WO2014/120803)

[30] US (13/756,444) 2013-01-31

[11] **2,899,880**
[13] C

[51] **Int.Cl. A01N 1/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR EX VIVO LUNG CARE**

[54] **SYSTEMES ET METHODES DE SOINS PULMONAIRES EX VIVO**

[72] FISHMAN, ROBERT, US

[72] HAVENER, ROBERT, US

[72] FATTAH, IHAB ABDEL, US

[72] ABDELAZIM, ANAS, US

[72] NEWELL, SCOTT, US

[72] BISHOP, TOM, US

[72] KHAYAL, TAMER, US

[72] KYI, STANLEY, US

[72] TAYLOR, RONALD, US

[72] HARRIOTT, DOUG, US

[72] DE REMER, MATTHEW, US

[72] SULLIVAN, JOHN, US

[72] ANDERSON, MARK, US

[72] BRINGHAM, RICHARD, US

[72] VAN DRIEL, MICHAEL, US

[72] HASSANEIN, WALEED, US

[72] MURRAY, PAUL, US

[73] TRANSMEDICS, INC., US

[86] (2899880)

[87] (2899880)

[22] 2009-01-30

[62] 2,713,443

[30] US (61/024,976) 2008-01-31

[30] US (12/099,725) 2008-04-08

[30] US (12/099,717) 2008-04-08

[30] US (12/099,687) 2008-04-08

[30] US (12/099,715) 2008-04-08

[30] US (12/099,728) 2008-04-08

[11] **2,899,906**
[13] C

[51] **Int.Cl. A01C 7/00 (2006.01) B60C 11/01 (2006.01)**

[25] EN

[54] **GAUGE WHEEL FOR AN AGRICULTURAL IMPLEMENT**

[54] **ROUE DE JAUGE POUR UN ACCESSOIRE AGRICOLE**

[72] ANDERSON, BRIAN JOHN, US

[72] DIENST, JOHNATHON R., US

[73] CNH INDUSTRIAL AMERICA LLC, US

[86] (2899906)

[87] (2899906)

[22] 2015-08-10

[30] US (14/500,107) 2014-09-29

[11] **2,901,580**
[13] C

[51] **Int.Cl. C05G 3/00 (2006.01) C05D 9/02 (2006.01)**

[25] EN

[54] **FERTILISER COATING CONTAINING MICRONUTRIENTS**

[54] **ENROBAGE D'ENGRAIS CONTENANT DES MICRONUTRIMENTS**

[72] WARD, STUART CHARLES, GB

[72] BUTLER, VICTORIA ANNE, GB

[72] OBRESTAD, TORSTEIN, NO

[72] TANDE, TERJE, NO

[73] YARA UK LIMITED, GB

[85] 2015-08-17

[86] 2014-02-20 (PCT/GB2014/050494)

[87] (WO2014/128468)

[30] GB (1302997.0) 2013-02-20

[11] **2,903,505**
[13] C

[51] **Int.Cl. E04F 15/022 (2006.01) E04C 2/40 (2006.01) E04F 15/02 (2006.01) E04F 15/04 (2006.01)**

[25] EN

[54] **FLOOR COVERING**

[54] **REVETEMENT DE SOL**

[72] THIERS, BERNARD PAUL JOSEPH, BE

[72] CAPPELLE, MARK GASTON MAURITS, BE

[73] FLOORING INDUSTRIES LIMITED, SARL, LU

[86] (2903505)

[87] (2903505)

[22] 2001-06-20

[62] 2,843,968

[30] BE (BE 2000/0397) 2000-06-20

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[13] C

[51] **Int.Cl. H01Q 7/00 (2006.01) H01Q 15/14 (2006.01) H01Q 19/18 (2006.01) H01Q 21/06 (2006.01)**

[25] EN

[54] **WIDE ANGLE PLANAR ANTENNA ASSEMBLY**

[54] **ENSEMBLE ANTENNE PLATE A GRAND ANGLE**

[72] RANKIN, STAN, US

[72] JUDD, BROCK, US

[72] EDWARDS, MARK, US

[73] WALMART APOLLO, LLC, US

[85] 2015-09-09

[86] 2014-03-04 (PCT/US2014/020285)

[87] (WO2014/149681)

[30] US (61/799,322) 2013-03-15

[30] US (13/904,962) 2013-05-29

[11] **2,905,065**
[13] C

[51] **Int.Cl. E01B 31/13 (2006.01) B23C 3/00 (2006.01) B23C 5/06 (2006.01) B23C 5/20 (2006.01)**

[25] EN

[54] **RAIL RE-PROFILING METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE REPROFILAGE DE RAILS**

[72] HUGHES, DONALD R., US

[72] GREENLEAF, WILLIAM, P., US

[72] GRABOWSKI, CHARLES D., US

[73] GREENLEAF TECHNOLOGY CORPORATION, US

[85] 2015-09-09

[86] 2014-03-14 (PCT/US2014/026942)

[87] (WO2014/152094)

[30] US (13/841,036) 2013-03-15

[11] **2,905,664**
[13] C

[51] **Int.Cl. A01F 15/07 (2006.01) A01F 15/08 (2006.01) B65B 11/04 (2006.01)**

[25] EN

[54] **FILM CUTTER FOR IN-LINE HAY BALE WRAPPER**

[54] **COUPE-PELLICULE POUR EMBALLEUSE DE FOIN EN LIGNE**

[72] HORST, PAUL M., CA

[72] FREY, OSCAR M., CA

[73] TUBE-LINE MANUFACTURING INC., CA

[86] (2905664)

[87] (2905664)

[22] 2015-09-30

[30] GB (1417296.0) 2014-09-30

[11] **2,906,646**
[13] C

[51] **Int.Cl. G01N 21/94 (2006.01) G01N 21/88 (2006.01) G01N 25/72 (2006.01)**

[25] EN

[54] **FRAGMENT DETECTION METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE DETECTION DE FRAGMENT**

[72] DIMITROV, NIKOLA, CA

[72] WORSLEY, MARK JOHN, CA

[72] SHAWKY, AHMAD, CA

[73] RADIX INC., CA

[86] (2906646)

[87] (2906646)

[22] 2015-10-01

[11] **2,907,741**
[13] C

[51] **Int.Cl. G09B 25/04 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DISPLAYING OBJECTS AND OBJECT DATA OF A DESIGN PLAN**

[54] **METHODE ET APPAREIL SERVANT A PRESENTER DES OBJETS ET DONNEES OBJETS D'UN PLAN CONCEPT**

[72] WINTER, ANDREAS, AT

[72] HABENBACHER, HERWIG, AT

[72] GOGOLLA, TORSTEN, LI

[72] WUERSCH, CHRISTOPH, CH

[73] HILTI AKTIENGESELLSCHAFT, LI

[85] 2015-09-21

[86] 2014-03-27 (PCT/EP2014/056108)

[87] (WO2014/154778)

[30] DE (10 2013 205 593.5) 2013-03-28

[11] **2,908,036**
[13] C

[51] **Int.Cl. G01N 9/00 (2006.01) G01F 1/84 (2006.01) G01F 25/00 (2006.01) G01N 9/10 (2006.01) G01N 11/00 (2006.01) G01N 11/16 (2006.01) G01N 29/30 (2006.01) G01N 29/44 (2006.01)**

[25] EN

[54] **VERIFICATION OF A METER SENSOR FOR A VIBRATORY METER**

[54] **VERIFICATION D'UN CAPTEUR D'UN DISPOSITIF DE MESURE VIBRATOIRE**

[72] WHEELER, SIMON P. H., US

[73] MICRO MOTION, INC., US

[85] 2015-09-24

[86] 2014-04-03 (PCT/US2014/032806)

[87] (WO2014/172111)

[30] US (61/813,495) 2013-04-18

[11] **2,908,118**
[13] C

[51] **Int.Cl. C04B 14/16 (2006.01) C04B 14/18 (2006.01) C04B 14/28 (2006.01) C04B 18/08 (2006.01)**

[25] EN

[54] **PUMICE-CONTAINING REMEDIAL COMPOSITIONS AND METHODS OF USE**

[54] **COMPOSITIONS CORRECTIVES CONTENANT DE LA PONCE ET PROCEDES D'UTILISATION**

[72] CHATTERJI, JITEN, US

[72] BRENNEIS, D. CHAD, US

[72] BENKLEY, JAMES R., US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-09-24

[86] 2014-04-25 (PCT/US2014/035443)

[87] (WO2014/179165)

[30] US (13/873,905) 2013-04-30

[11] **2,908,648**
[13] C

[51] **Int.Cl. H04M 3/56 (2006.01) H04J 3/00 (2006.01) H04L 12/18 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **REAL TIME APPLICATION PROGRAMMING INTERFACE IN A TELECOMMUNICATIONS NETWORK**

[54] **INTERFACE DE PROGRAMMATION D'APPLICATION EN TEMPS REEL DANS UN RESEAU DE TELECOMMUNICATION**

[72] UZELAC, ADAM CHARLES, US

[72] BERLIN, JOSHUA SCOTT, US

[72] CHAN, MICHAEL DANA, US

[72] GREEN, DUANE, US

[72] BEHMLANDER, DARREN JAMES, US

[72] ELLISON, GREGORY THOMAS, US

[73] LEVEL 3 COMMUNICATIONS, LLC, US

[85] 2015-10-02

[86] 2014-04-03 (PCT/US2014/032847)

[87] (WO2014/165685)

[30] US (61/807,867) 2013-04-03

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[13] C

[51] **Int.Cl. H04S 7/00 (2006.01) H04S 3/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CENTER SIGNAL SCALING AND STEREOPHONIC ENHANCEMENT BASED ON A SIGNAL-TO-DOWNMIX RATIO**
[54] **APPAREIL ET PROCÉDE DE MISE A L'ECHELLE DE SIGNAL CENTRALE ET AMELIORATION STEREOPHONIQUE BASEE SUR UN RAPPORT DE MIXAGE REDUCTEUR PAR RAPPORT A UN SIGNAL**
[72] UHLE, CHRISTIAN, DE
[72] PROKEIN, PETER, DE
[72] HELLMUTH, OLIVER, DE
[72] SCHARRER, SEBASTIAN, DE
[72] HABETS, EMANUEL, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2015-10-06
[86] 2014-04-07 (PCT/EP2014/056917)
[87] (WO2014/166863)
[30] EP (13163621.9) 2013-04-12
[30] EP (13182103.5) 2013-08-28

[11] **2,909,484**
[13] C

[51] **Int.Cl. G01N 21/23 (2006.01) B32B 7/12 (2006.01)**
[25] EN
[54] **BONDED STRUCTURE AND BONDING-CONDITION DETECTING METHOD**
[54] **STRUCTURE LIEE ET PROCÉDE DE DETECTION D'ETAT DE LIAISON**
[72] SAITO, NOZOMI, JP
[72] SHIMIZU, TAKAYUKI, JP
[72] ABE, TOSHIO, JP
[72] TAKEDA, NOBUO, JP
[72] MINAKUCHI, SHU, JP
[72] UHIRA, KEIGO, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[73] THE UNIVERSITY OF TOKYO, JP
[85] 2015-10-14
[86] 2014-02-27 (PCT/JP2014/054826)
[87] (WO2014/185119)
[30] JP (2013-102254) 2013-05-14

[11] **2,909,521**
[13] C

[51] **Int.Cl. C09D 175/04 (2006.01) C09D 7/61 (2018.01) C09D 7/65 (2018.01) B05D 1/02 (2006.01) B05D 3/00 (2006.01) B05D 5/08 (2006.01) B64D 15/00 (2006.01) C09K 3/18 (2006.01)**
[25] EN
[54] **COATINGS, COATING COMPOSITIONS, AND METHODS FOR DELAYING ICE FORMATION**
[54] **REVETEMENTS, COMPOSITIONS DE REVETEMENT ET METHODES DE RETARDEMENT DE LAFORMATION DE GLACE**
[72] NOWAK, ANDREW P., US
[72] GROSS, ADAM F., US
[72] SHERMAN, ELENA, US
[72] SEEBERGH, JILL E., US
[72] DALBY, GLENN R., US
[72] BERRY, DOUGLAS H., US
[73] THE BOEING COMPANY, US
[85] 2015-10-14
[86] 2014-04-22 (PCT/US2014/034889)
[87] (WO2015/012910)
[30] US (61/838,605) 2013-06-24
[30] US (14/058,470) 2013-10-21

[11] **2,909,856**
[13] C

[51] **Int.Cl. B65D 1/02 (2006.01) B65D 1/40 (2006.01)**
[25] EN
[54] **BOTTLE AND METHOD OF STERILIZATION**
[54] **BOUEILLE ET METHODE DE STERILISATION**
[72] LEMBKE, BRYAN J., US
[72] PRITCHETT, RAYMOND A., US
[72] RUSSELL, MATTHEW A., US
[73] TROPICANA PRODUCTS, INC., US
[73] GRAHAM PACKAGING COMPANY, L.P., US
[86] (2909856)
[87] (2909856)
[22] 2010-05-17
[62] 2,704,333
[30] US (61/178,824) 2009-05-15

[11] **2,911,571**
[13] C

[51] **Int.Cl. C07C 271/08 (2006.01) B33Y 70/00 (2015.01) C07C 269/04 (2006.01) C08F 20/36 (2006.01) C08L 33/14 (2006.01) C09D 11/00 (2014.01) C09D 133/14 (2006.01) C09J 133/14 (2006.01) C09K 3/10 (2006.01)**
[25] FR
[54] **ACRYLATED OR METHACRYLATED URETHANE OLIGOMER WITHOUT ISOCYANATE**
[54] **OLIGOMERE URETHANE ACRYLE OU METHACRYLE SANS ISOCYANATE**
[72] MONNIER, GUILLAUME, FR
[72] DUQUENNE, CHRISTOPHE, FR
[73] ARKEMA FRANCE, FR
[85] 2015-11-04
[86] 2014-05-20 (PCT/FR2014/051173)
[87] (WO2014/188116)
[30] FR (1354685) 2013-05-24

[11] **2,911,939**
[13] C

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[25] EN
[54] **SEMI-EMPIRICAL MASS FLOW MODEL AND CALIBRATION METHOD FOR UNDEVELOPED FLOW REGIONS IN AN AIR SEEDER**
[54] **MODELE DE DEBIT SEMI-EMPIRIQUE ET METHODE DE CALIBRATION POUR DES ZONES DE DEBIT NON EXPLOITEES, DANS UN SEMOIR PNEUMATIQUE**
[72] HOSSAIN, MOHAMMAD SHABBIR, BD
[72] NOBLE, SCOTT D., CA
[72] SUMNER, DAVID, CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (2911939)
[87] (2911939)
[22] 2015-11-13
[30] US (62/092,525) 2014-12-16

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[11] **2,912,240**
[13] C
[51] **Int.Cl. H02J 9/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **EMERGENCY LIGHTING BATTERY CHARGER**
[54] **CHARGEUR DE BATTERIE D'APPAREIL D'ECLAIRAGE D'URGENCE**
[72] DESCARRIES, CAMILLE, CA
[72] PERREAULT, DAVID, CA
[73] THOMAS & BETTS INTERNATIONAL, LLC, US
[86] (2912240)
[87] (2912240)
[22] 2015-11-17
[30] US (62/081,875) 2014-11-19
[30] US (14/940,748) 2015-11-13

[11] **2,912,689**
[13] C
[51] **Int.Cl. G09G 3/34 (2006.01) G02F 1/1685 (2019.01) G02F 1/167 (2019.01)**
[25] EN
[54] **COLOR DISPLAY DEVICE**
[54] **DISPOSITIF D'AFFICHAGE EN COULEUR**
[72] LIN, CRAIG, US
[72] DU, HUI, US
[72] WANG, MING, US
[73] E INK CALIFORNIA, LLC, US
[85] 2015-11-13
[86] 2014-05-15 (PCT/US2014/038229)
[87] (WO2014/186594)
[30] US (61/824,887) 2013-05-17
[30] US (61/893,831) 2013-10-21
[30] US (61/974,858) 2014-04-03

[11] **2,912,692**
[13] C
[51] **Int.Cl. G09G 3/34 (2006.01) G02F 1/1685 (2019.01) G02F 1/167 (2019.01)**
[25] EN
[54] **DRIVING METHODS FOR COLOR DISPLAY DEVICES**
[54] **PROCEDES D'ENTRAINEMENT POUR DES DISPOSITIFS D'AFFICHAGE EN COULEUR**
[72] LIN, CRAIG, US
[72] HUNG, CHI-MAO, US
[73] E INK CALIFORNIA, LLC, US
[85] 2015-11-13
[86] 2014-05-15 (PCT/US2014/038234)
[87] (WO2014/186597)
[30] US (61/824,928) 2013-05-17

[11] **2,914,297**
[13] C
[51] **Int.Cl. B29C 64/259 (2017.01) B29C 64/124 (2017.01) B29C 64/264 (2017.01) B29C 64/30 (2017.01) B29C 64/321 (2017.01) B29C 64/336 (2017.01)**
[25] EN
[54] **IMPROVED CARTRIDGE FOR FEEDING A STEREOLITHOGRAPHY MACHINE,**
STEREOLITHOGRAPHY MACHINE COMPRISING SAID CARTRIDGE AND STEREOLITHOGRAPHY METHOD EMPLOYING SAID MACHINE

[54] **CARTOUCHE AMELIOREE POUR ALIMENTER UNE MACHINE DE STEREOLOGRAPHIE, MACHINE DE STEREOLOGRAPHIE COMPRENANT LADITE CARTOUCHE ET PROCEDE DE STEREOLOGRAPHIE UTILISANT LADITE MACHINE**
[72] COSTABEBER, ETTORE MAURIZIO, IT
[73] COSTABEBER, ETTORE MAURIZIO, IT
[85] 2015-12-02
[86] 2014-07-16 (PCT/IB2014/001332)
[87] (WO2015/015261)
[30] IT (VI2013A000197) 2013-07-30

[11] **2,914,474**
[13] C
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **BIO-IMPLANTABLE ELECTRODE ASSEMBLY**
[54] **ENSEMBLE ELECTRODE BIO-IMPLANTABLE**
[72] RYU, SEONG WOO, KR
[72] LEE, HAE SHIN, KR
[72] LEE, MOON SUE, KR
[72] PAEK, SUN HA, KR
[72] KOH, MI YOUNG, KR
[73] INNOTHERAPY INC., KR
[85] 2015-12-03
[86] 2014-06-03 (PCT/KR2014/004972)
[87] (WO2014/196812)
[30] KR (10-2013-0064275) 2013-06-04

[11] **2,914,554**
[13] C
[51] **Int.Cl. A47B 5/06 (2006.01) A47B 3/091 (2006.01) A47B 5/04 (2006.01)**
[25] EN
[54] **COLLAPSIBLE TABLE HAVING INTERLOCKING ASSEMBLY**
[54] **TABLE PLIANTE A ENSEMBLE DE VERROUILLAGE**
[72] BO, HONG, CN
[73] BOKA EXPORT IMPORT, INC., US
[86] (2914554)
[87] (2914554)
[22] 2015-12-11
[30] US (14/568,530) 2014-12-12

[11] **2,915,008**
[13] C
[51] **Int.Cl. G03G 15/08 (2006.01)**
[25] EN
[54] **NOZZLE RECEIVER, POWDER CONTAINER, AND IMAGE FORMING APPARATUS**
[54] **RECEPTEUR DE BUSE, RESERVOIR A POUDRE ET APPAREIL DE FORMATION D'IMAGES**
[72] YAMABE, JUNJI, JP
[72] YANO, KEIICHI, JP
[72] SUZUKI, MICHIHARU, JP
[72] KIMURA, HIDEKI, JP
[72] ZEMBA, HIDEKI, JP
[72] IKUMA, TAKAHIRO, JP
[72] TERAZAWA, SEIJI, JP
[73] RICOH COMPANY, LIMITED, JP
[85] 2015-12-10
[86] 2015-03-16 (PCT/JP2015/058643)
[87] (WO2015/141861)
[30] JP (2014-053806) 2014-03-17
[30] JP (2014-120636) 2014-06-11
[30] JP (2014-144148) 2014-07-14

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[13] C

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[25] EN
[54] **PHYSICAL SIMULATION METHOD AND EXPERIMENT DEVICE OF FRACTURE-CAVITY CARBONATE RESERVOIR HYFROCARBON CHARGE**
[54] **METHODE DE SIMULATION PHYSIQUE ET DISPOSITIF D'EXPERIMENTATION DE CHARGE D'HYDROCARBURE DE RESERVOIR DE CARBONATE DE CAVITE DE FRACTURE**
[72] HU, SUYUN, CN
[72] SHI, SHUYUAN, CN
[72] JIANG, HUA, CN
[72] WANG, TONGSHAN, CN
[72] JIANG, QINGCHUN, CN
[73] PETROCHINA COMPANY LIMITED, CN
[86] (2916567)
[87] (2916567)
[22] 2015-12-31
[30] CN (201510328950.1) 2015-06-15

[11] **2,917,158**
[13] C

- [51] **Int.Cl. A01G 27/00 (2006.01)**
[25] EN
[54] **SELF-WATERING PLANTER**
[54] **JARDINIERE AUTO-ARROSANTE**
[72] HUNG, CHUN WAI, US
[72] GUILLORY, PATRICK, US
[72] WALES, PATRICIA, US
[73] THE AMES COMPANIES, INC., US
[86] (2917158)
[87] (2917158)
[22] 2016-01-08
[30] US (14/596,521) 2015-01-14

[11] **2,917,989**
[13] C

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[25] EN
[54] **SYSTEMS AND METHODS FOR ENABLING INTERNET CO-BROWSING**
[54] **SYSTEMES ET PROCEDES PERMETTANT LA NAVIGATION CONJOINTE SUR INTERNET**
[72] HANDRIGAN, BRIAN DAVID, US
[72] COMISO, MARK DAVID, US
[72] MARKOWSKI, ELDON SPENCER, US
[73] RECURSIVE LABS, INC., US
[85] 2016-01-11
[86] 2013-04-09 (PCT/US2013/035718)
[87] (WO2014/011271)
[30] US (13/545,810) 2012-07-10

[11] **2,917,997**
[13] C

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[25] EN
[54] **BIOMIMETIC COLLAGEN-HYDROXYAPATITE COMPOSITE MATERIAL**
[54] **MATERIAU COMPOSITE BIOMIMETIQUE A BASE DE COLLAGENE-HYDROXYAPATITE**
[72] BUFLER, MICHAEL, CH
[73] GEISTLICH PHARMA AG, CH
[85] 2016-01-11
[86] 2014-07-18 (PCT/EP2014/001966)
[87] (WO2015/007393)
[30] EP (13003647.8) 2013-07-19

[11] **2,918,000**
[13] C

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[25] EN
[54] **METHOD FOR HYDRAULIC COMMUNICATION WITH TARGET WELL FROM RELIEF WELL**
[54] **METHODE DE COMMUNICATION HYDRAULIQUE AVEC UN Puits CIBLE A PARTIR D'UN Puits D'INTERVENTION**
[72] CRAMM, CARL J., US
[72] HESS, JOE E., US
[72] CUTHBERT, ANDY J., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-01-11
[86] 2013-08-28 (PCT/US2013/057104)
[87] (WO2015/030752)

[11] **2,918,711**
[13] C

- [51] **Int.Cl. E21B 47/13 (2012.01) E21B 47/008 (2012.01) E21B 43/12 (2006.01) H04B 3/56 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GROUND FAULT IMMUNE DATA MEASUREMENT SYSTEMS FOR ELECTRONIC SUBMERSIBLE PUMPS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE PROTEGER CONTRE LES FUITES A LA TERRE DES SYSTEMES DE MESURE DE DONNEES DESTINES A DES POMPES SUBMERSIBLES ELECTRONIQUES**
[72] XIAO, JINJIANG, SA
[72] MANNING, MICHAEL, GB
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2016-01-19
[86] 2014-07-18 (PCT/IB2014/002065)
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[30] US (13/952,633) 2013-07-28

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[25] EN
[54] **WHEEL HOLDER WITH MULTIPLE POSITION ADJUSTABLE STRAP**
[54] **SUPPORT DE ROUE A LANIERE REGLABLE DANS DE MULTIPLES POSITIONS**
[72] PRESCOTT, KEITH L., US
[73] THULE SWEDEN AB, SE
[85] 2016-01-19
[86] 2014-05-22 (PCT/US2014/039191)
[87] (WO2015/012949)
[30] US (61/859,047) 2013-07-26

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[13] C

[51] **Int.Cl. C07C 5/02 (2006.01) C07C 1/04 (2006.01) C07C 5/03 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUS FOR LOW-TEMPERATURE, FISCHER-TROPSCH WAX HYDROGENATION**
[54] **PROCEDES, SYSTEMES, ET APPAREILS POUR L'HYDROGENATION A BASSE TEMPERATURE, D'UNE CIRE FISCHER-TROPSCH**
[72] HEMMING, JOHN, US
[72] INGA, JUAN R., US
[73] SGCE LLC, US
[85] 2016-01-19
[86] 2014-08-21 (PCT/US2014/052052)
[87] (WO2015/027043)
[30] US (61/868,509) 2013-08-21

[11] **2,919,851**
[13] C

[51] **Int.Cl. B27D 1/06 (2006.01) B27M 3/04 (2006.01) E04F 15/04 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCING A LAMELLA CORE**
[54] **PROCEDE POUR PRODUIRE UN NOYAU DE LAMELLE**
[72] BRANNSTROM, HANS, SE
[72] BERGELIN, MARCUS, SE
[72] PALSSON, AGNE, SE
[73] VALINGE INNOVATION AB, SE
[85] 2016-01-28
[86] 2014-08-26 (PCT/SE2014/050969)
[87] (WO2015/030654)
[30] SE (1350979-9) 2013-08-27

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[13] C

[51] **Int.Cl. B25B 1/20 (2006.01) B25B 1/24 (2006.01) B25B 5/00 (2006.01) B25B 5/14 (2006.01)**
[25] EN
[54] **TWIN CLAMP AND METHOD FOR SIMULTANEOUSLY CLAMPING TWO ELONGATE PROFILE SEGMENTS**
[54] **DISPOSITIF DE SERRAGE DOUBLE PERMETTANT DE SERRER SIMULTANEMENT DEUX SEGMENTS DE PROFILE ALLONGE**
[72] RATTUNDE, ULRICH, DE
[73] RATTUNDE AG, DE
[85] 2016-02-03
[86] 2014-08-13 (PCT/EP2014/067369)
[87] (WO2015/022382)
[30] DE (10 2013 108 895.3) 2013-08-16

[11] **2,922,260**
[13] C

[51] **Int.Cl. A61F 9/008 (2006.01) A61F 9/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR DISSECTING AN EYE FOR THE INTRODUCTION OF A PHOTOSENSITIZER**
[54] **APPAREIL DE DISSECTION D'UN OEIL EN VUE DE L'INTRODUCTION D'UN PHOTOSENSIBILISANT**
[72] SKERL, KATRIN, DE
[72] ZHANG, YAO, DE
[72] SEILER, THEO, CH
[73] WAVELIGHT GMBH, DE
[85] 2016-02-24
[86] 2013-10-09 (PCT/EP2013/071011)
[87] (WO2015/051832)

[11] **2,922,394**
[13] C

[51] **Int.Cl. C12N 5/0775 (2010.01) A61K 35/12 (2015.01) C12N 5/02 (2006.01)**
[25] EN
[54] **METHOD FOR CULTURING MESENCHYMAL STEM CELLS ACCORDING TO CELL SIZE**
[54] **PROCEDE DE CULTURE DE CELLULES SOUCHES MESENCHYMATEUSES SELON LA TAILLE DES CELLULES**
[72] YANG, YOON-SUN, KR
[72] OH, WON IL, KR
[72] JIN, HYE JIN, KR
[72] KWON, SOON-JAE, KR
[72] KIM, MIYEON, KR
[73] MEDIPOST CO., LTD., KR
[85] 2016-02-24
[86] 2014-08-29 (PCT/KR2014/008079)
[87] (WO2015/034212)
[30] KR (10-2013-0106673) 2013-09-05

[11] **2,923,342**
[13] C

[51] **Int.Cl. B65G 1/02 (2006.01) G07F 17/10 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF CONTROL OF ELECTRONIC PARCEL LOCKERS**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE CASIERS DE COLIS ELECTRONIQUES**
[72] IRWIN, DONALD E., US
[72] MCKENZIE, NAN K., US
[72] TARTAL, WILLIAM A., US
[72] STEPHEN, VICTORIA K., US
[72] AMATO, MICHAEL J., US
[73] UNITED STATES POSTAL SERVICE, US
[86] (2923342)
[87] (2923342)
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[62] 2,855,757
[30] US (61/567,048) 2011-12-05

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[13] C

[51] **Int.Cl. B60C 19/00 (2006.01) B60C 23/04 (2006.01) B60C 23/20 (2006.01)**

[25] EN

[54] **TIRE ABNORMALITY MANAGEMENT SYSTEM AND TIRE ABNORMALITY MANAGEMENT METHOD**

[54] **SYSTEME DE GESTION DES ANOMALIES DES PNEUS ET PROCEDE DE GESTION DES ANOMALIES DES PNEUS**

[72] SUDOU, TSUGIO, JP

[73] KOMATSU LTD., JP

[85] 2016-03-08

[86] 2013-09-20 (PCT/JP2013/075503)

[87] (WO2015/040745)

[11] **2,923,787**
[13] C

[51] **Int.Cl. B64C 25/10 (2006.01) B64C 25/12 (2006.01)**

[25] EN

[54] **AIRCRAFT LANDING GEAR ASSEMBLY**

[54] **TRAIN D'ATTERRISSAGE D'AERONEF**

[72] SCHMIDT, ROBERT KYLE, GB

[73] MESSIER-DOWTY LIMITED, GB

[86] (2923787)

[87] (2923787)

[22] 2016-03-14

[30] EP (15160002.0) 2015-03-20

[11] **2,924,371**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A01N 25/32 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY XR25AL15X**

[54] **VARIETE DE SOJA XR25AL15X**

[72] JURY, THOMAS, US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2924371)

[87] (2924371)

[22] 2016-03-21

[11] **2,924,374**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01N 25/32 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01)**

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[54] **SOYBEAN VARIETY XR09AL15X**

[54] **VARIETE DE SOJA XR09AL15X**

[72] WOHLER, HEINRICH S., CA

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2924374)

[87] (2924374)

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[11] **2,924,379**
[13] C

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[25] EN

[54] **SOYBEAN VARIETY XR09AP15X**

[54] **VARIETE DE SOJA XR09AP15X**

[72] CARLSON, CARRIN, US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2924379)

[87] (2924379)

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[13] C

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[25] EN

[54] **SOYBEAN VARIETY XR23AQ15X**

[54] **VARIETE DE SOJA XR23AQ15X**

[72] HATCHER, CATHERINE N. NYINYI, US

[72] LUSSENDEN, ROGER L., US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2924433)

[87] (2924433)

[22] 2016-03-21

[11] **2,924,434**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **SOYBEAN VARIETY XR33AU15X**

[54] **VARIETE DE SOJA XR33AU15X**

[72] FLOYD, THOMAS L., US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2924434)

[87] (2924434)

[22] 2016-03-21

[11] **2,924,517**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **MASS TRANSFER APPARATUS AND METHOD FOR SEPARATION OF GASES**

[54] **APPAREIL DE TRANSFERT DE MASSE ET PROCEDE POUR LA SEPARATION DES GAZ**

[72] BLOUNT, GERALD C., US

[72] HAMM, LUTHER L., US

[72] GORENSEK, MAXIMILIAN BORIS, US

[73] SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC, US

[85] 2016-03-15

[86] 2014-09-16 (PCT/US2014/055758)

[87] (WO2015/039066)

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[13] C

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[54] **DATA TRANSMISSION METHOD AND APPARATUS**

[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES**

[72] ZHANG, SHUNQING, CN

[72] CHEN, YAN, CN

[72] LI, YUNGANG, CN

[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2016-03-17

[86] 2013-09-27 (PCT/CN2013/084404)

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[25] EN

[54] **MULTIFUNCTIONAL SORBENT MATERIALS AND USES THEREOF**

[54] **MATIERES SORBANTES MULTIFONCTIONNELLES ET LEURS UTILISATIONS**

[72] LE, MINH KHOI, AU

[72] LE, VAN SO, AU

[73] LE, VAN SO, AU

[73] LE, MINH KHOI, AU

[85] 2016-03-18

[86] 2014-09-19 (PCT/AU2014/000920)

[87] (WO2015/039170)

[30] AU (2013903629) 2013-09-20

[11] 2,926,401
[13] C

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[25] EN

[54] **CHITOSAN STENTING PASTE**

[54] **PATE D'OCCLUSION AU CHITOSANE**

[72] MEDINA, JENNIFER GATES, US

[72] SHERMAN, ETHAN GLENN, US

[73] MEDTRONIC XOMED, INC., US

[85] 2016-04-05

[86] 2014-10-23 (PCT/US2014/062029)

[87] (WO2015/061606)

[30] US (14/061,993) 2013-10-24

[30] US (14/319,901) 2014-06-30

[11] 2,927,043
[13] C

[51] **Int.Cl. B41M 3/06 (2006.01) B41F 17/00 (2006.01) B41F 33/00 (2006.01) G03H 1/04 (2006.01) G02B 3/08 (2006.01) G02B 5/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR FABRICATING VARIABLE DIGITAL OPTICAL IMAGES USING GENERIC OPTICAL MATRICES**

[54] **SYSTEMES ET METHODES DE FABRICATION D'IMAGES OPTIQUES NUMERIQUES VARIABLES AU MOYEN DE MATRICES OPTIQUES GENERIQUES**

[72] LIEBERMAN, DANIEL, US

[72] LIEBERMAN, OR, US

[72] LIEBERMAN, RAMI, US

[73] NANOGRAFIX CORPORATION, US

[85] 2016-03-09

[86] 2016-02-09 (PCT/US2016/017212)

[87] (WO2016/130592)

[30] US (62/114,012) 2015-02-09

[30] US (62/114,014) 2015-02-09

[30] US (62/114,018) 2015-02-09

[30] US (14/634,648) 2015-02-27

[30] US (14/634,663) 2015-02-27

[30] US (14/876,680) 2015-10-06

[30] US (14/930,494) 2015-11-02

[30] US (14/634,671) 2015-02-27

[11] 2,927,140
[13] C

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/008 (2012.01)**

[25] EN

[54] **DOWNHOLE SYSTEMS FOR COMMUNICATING DATA**

[54] **SYSTEMES DE FOND POUR LA COMMUNICATION DE DONNEES**

[72] MOAKE, GORDON L., US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-04-11

[86] 2013-11-14 (PCT/US2013/070106)

[87] (WO2015/073004)

[11] 2,927,394
[13] C

[51] **Int.Cl. C01B 17/04 (2006.01) B01D 53/52 (2006.01)**

[25] EN

[54] **SULFUR RECOVERY UNIT AND PROCESS**

[54] **UNITE ET PROCEDE DE RECUPERATION DE SOUFRE**

[72] O'CONNELL, JOHN P., SA

[73] SAUDI ARABIAN OIL COMPANY, SA

[85] 2016-04-13

[86] 2014-11-07 (PCT/US2014/064473)

[87] (WO2015/069975)

[30] US (61/901,515) 2013-11-08

[11] 2,928,294
[13] C

[51] **Int.Cl. B05B 1/18 (2006.01)**

[25] EN

[54] **SHOWERHEAD WITH SCANNER NOZZLES**

[54] **POMME DE DOUCHE DOTEE DE BUSES DE BALAYAGE**

[72] HUFFINGTON, TODD A., US

[72] RUSSELL, GREGORY A., US

[73] DELTA FAUCET COMPANY, US

[86] (2928294)

[87] (2928294)

[22] 2016-04-27

[30] US (62/154,445) 2015-04-29

[11] 2,928,556
[13] C

[51] **Int.Cl. F16F 9/28 (2006.01) B61F 5/24 (2006.01) F16F 9/02 (2006.01) F16F 9/32 (2006.01) F16F 9/50 (2006.01)**

[25] EN

[54] **DAMPER DEVICE**

[54] **DISPOSITIF AMORTISSEUR**

[72] SASAKI, KATSUMI, JP

[72] GOTO, OSAMU, JP

[72] MATSUI, TOSHIAKI, JP

[73] PNEUMATIC SERVO CONTROLS LTD., JP

[73] NIPPON STEEL CORPORATION, JP

[85] 2016-04-22

[86] 2014-10-20 (PCT/JP2014/077798)

[87] (WO2015/060233)

[30] JP (2013-220848) 2013-10-24

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[11] **2,928,792**
[13] C

[51] **Int.Cl. E05B 67/00 (2006.01) E05B 47/00 (2006.01)**
[25] EN
[54] **COMBINATION LOCK**
[54] **DISPOSITIF DE VERROUILLAGE A COMBINAISON**
[72] BAO, CHENGFAN, CN
[72] ZHANG, XIUZHI, CN
[72] YU, HUAXIA, CN
[72] ZHAN, RONGZHOU, CN
[72] BIAN, SHICHUN, CN
[72] WANG, LINHAI, CN
[72] SHI, NING, CN
[72] MIAO, RENXIN, CN
[72] ZHANG, XIUZHAN, CN
[73] SHANGHAI SHENGXIANG SCIENCE AND TECHNOLOGY CO., LTD., CN
[85] 2016-04-26
[86] 2014-12-15 (PCT/CN2014/093794)
[87] (WO2015/090164)
[30] CN (201310687916.4) 2013-12-16
[30] CN (201320829506.4) 2013-12-16

[11] **2,929,721**
[13] C

[51] **Int.Cl. C01B 3/38 (2006.01) H01M 8/0612 (2016.01) C01B 3/02 (2006.01) C01B 3/32 (2006.01)**
[25] EN
[54] **LIQUID FUEL CPOX REFORMER AND FUEL CELL SYSTEMS, AND METHODS OF PRODUCING ELECTRICITY**
[54] **REFORMEUR CPOX DE COMBUSTIBLE LIQUIDE ET SYSTEMES DE PILES A COMBUSTIBLE, ET PROCEDES DE PRODUCTION D'ELECTRICITE**
[72] FINNERTY, CAINE M., US
[72] DEWALD, PAUL, US
[73] WATT FUEL CELL CORP, US
[85] 2016-05-04
[86] 2014-11-05 (PCT/US2014/064107)
[87] (WO2015/069754)
[30] US (61/900,529) 2013-11-06

[11] **2,930,261**
[13] C

[51] **Int.Cl. G01N 23/04 (2018.01)**
[25] EN
[54] **SAFETY INSPECTION APPARATUS**
[54] **APPAREIL D'INSPECTION DE SECURITE**
[72] ZHAO, ZIRAN, CN
[72] CHEN, ZHIQIANG, CN
[72] WU, WANLONG, CN
[72] ZHANG, LI, CN
[72] JIN, YINGKANG, CN
[72] RUAN, MING, CN
[73] NUCTECH COMPANY LIMITED, CN
[73] NUCTECH JIANGSU COMPANY LIMITED, CN
[86] (2930261)
[87] (2930261)
[22] 2016-05-16
[30] CN (201510567902.8) 2015-09-08

[11] **2,930,637**
[13] C

[51] **Int.Cl. G07F 7/08 (2006.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **DISPLAY CARD WITH USER INTERFACE**
[54] **CARTE D'AFFICHAGE AYANT UNE INTERFACE UTILISATEUR**
[72] RADU, CRISTIAN, BE
[72] POCHIC, SEBASTIEN, BE
[72] ATEs, FIKRET, BE
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2015-12-16
[86] 2014-04-28 (PCT/EP2014/058550)
[87] (WO2014/202261)
[30] GB (1310774.3) 2013-06-17

[11] **2,932,390**
[13] C

[51] **Int.Cl. C12Q 1/04 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **MICROBE IDENTIFICATION BY MASS SPECTROMETRY AND INFRARED SPECTROMETRY**
[54] **IDENTIFICATION DE MICROBES PAR SPECTROMETRIE DE MASSE ET SPECTROMETRIE INFRAROUGE**
[72] KOSTRZEWA, MARKUS, DE
[73] BRUKER DALTONIK GMBH, DE
[85] 2016-06-01
[86] 2014-11-10 (PCT/EP2014/074118)
[87] (WO2015/090727)
[30] DE (10 2013 022 016.5) 2013-12-20

[11] **2,932,770**
[13] C

[51] **Int.Cl. H05B 3/84 (2006.01) H05B 3/86 (2006.01)**
[25] EN
[54] **HEATABLE PANE WITH HIGH-FREQUENCY TRANSMISSION**
[54] **DISQUE POUVANT ETRE CHAUFFE ET A TRANSMISSION DE HAUTES DE FREQUENCES**
[72] GUILLAUME, FRANCOIS, DE
[72] DROSTE, STEFAN, DE
[72] STELLING, BERND, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2016-06-03
[86] 2014-12-05 (PCT/EP2014/076676)
[87] (WO2015/091016)
[30] EP (13197404.0) 2013-12-16

[11] **2,933,598**
[13] C

[51] **Int.Cl. H04J 11/00 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TRANSFERRING DATA FROM WIRELESS LAN TO PLURALITY OF STAS**
[54] **PROCEDE ET DISPOSITIF DESTINES AU TRANSFERT DE DONNEES DEPUIS UN RESEAU LOCAL SANS FIL VERS UNE PLURALITE DE STATIONS**
[72] SEOK, YONGHO, KR
[73] LG ELECTRONICS INC., KR
[85] 2016-06-13
[86] 2014-06-19 (PCT/KR2014/005411)
[87] (WO2015/088116)
[30] US (61/916,191) 2013-12-14
[30] US (61/916,296) 2013-12-16

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[11] **2,934,008**
[13] C

[51] **Int.Cl. H04W 48/20 (2009.01) H04W 48/18 (2009.01)**
[25] EN
[54] **NETWORK NODE AND METHODS FOR SELECTING ACCESS NODE FOR COMMUNICATIONS IN WIRELESS COMMUNICATION NETWORKS**
[54] **NŃUD DE RESEAU, ET PROCEDES DE SELECTION DE NŃUD D'ACCES POUR DES COMMUNICATIONS DANS DES RESEAUX DE COMMUNICATIONS SANS FIL**
[72] WANG, XIAOHUI, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2016-06-21
[86] 2013-11-22 (PCT/EP2013/074491)
[87] (WO2015/074712)

[11] **2,934,449**
[13] C

[51] **Int.Cl. E21B 25/16 (2006.01) E21B 47/02 (2006.01) G01P 3/52 (2006.01)**
[25] EN
[54] **DOWNHOLE TURBINE TACHOMETER**
[54] **TACHYMETRE POUR TURBINE DE FOND DE TROU**
[72] DOWNIE, ANDREW MCPHERSON, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-06-17
[86] 2014-01-29 (PCT/US2014/013485)
[87] (WO2015/116041)

[11] **2,934,473**
[13] C

[51] **Int.Cl. C07D 231/56 (2006.01) A61K 31/416 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C07D 231/54 (2006.01)**
[25] EN
[54] **INDAZOLES AND USE THEREOF**
[54] **INDAZOLES ET LEUR UTILISATION**
[72] YU, JIANMING, US
[73] PURDUE PHARMA L.P., US
[85] 2016-06-17
[86] 2014-08-22 (PCT/US2014/052243)
[87] (WO2015/099841)
[30] US (61/920,037) 2013-12-23

[11] **2,934,614**
[13] C

[51] **Int.Cl. B64C 11/06 (2006.01) B64C 11/02 (2006.01) B64C 11/04 (2006.01)**
[25] EN
[54] **HUB ASSEMBLY AND PROPELLER ASSEMBLIES**
[54] **ENSEMBLE DE MOYEU ET ASSEMBLAGES D'HELICE**
[72] PAWAR, RAJENDRA VISHWANATH, IN
[72] YAMARTHI, DAVID RAJU, IN
[72] KURVINKOP, AMIT ARVIND, IN
[72] KUMAR, SANDEEP, IN
[72] PERIASAMY, MURUGESAN, IN
[72] GANIGER, RAVINDRA SHANKAR, IN
[72] AGRAWAL, BAJARANG, IN
[72] G., NAGASHIRESHA, IN
[73] GE AVIATION SYSTEMS LLC, US
[86] (2934614)
[87] (2934614)
[22] 2016-06-30
[30] US (14/797,233) 2015-07-13

[11] **2,934,911**
[13] C

[51] **Int.Cl. A61K 31/57 (2006.01) A61K 31/196 (2006.01) A61K 31/197 (2006.01) A61K 31/20 (2006.01) A61K 31/573 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **FORMULATIONS, AND METHODS FOR THEIR USE IN TREATMENT OF NEUROPATHOLOGY AND NEURODEGENERATION AS A RESULT OF TRAUMATIC INJURY**
[54] **FORMULATIONS ET PROCEDES POUR LEUR UTILISATION DANS LE TRAITEMENT D'UNE NEUROPATHOLOGIE ET D'UNE NEURODEGENERATION EN RAISON D'UNE LESION TRAUMATIQUE**
[72] HENRY, JAMES LORNE, CA
[73] SAPNA LIFE SCIENCES, INC., CA
[86] (2934911)
[87] (2934911)
[22] 2013-10-22
[62] 2,831,054
[30] US (61/750,745) 2013-01-09
[30] US (13/815,716) 2013-03-15
[30] US (13/961,251) 2013-08-07
[30] US (14/018,199) 2013-09-04
[30] US (14/055,604) 2013-10-16

[11] **2,934,986**
[13] C

[51] **Int.Cl. C07K 14/33 (2006.01)**
[25] EN
[54] **MULTIPROTEASE THERAPEUTICS FOR CHRONIC PAIN**
[54] **AGENTS THERAPEUTIQUES MULTIPROTEASES POUR LA DOULEUR CHRONIQUE**
[72] DOLLY, JAMES OLIVER, IE
[72] WANG, JIAFU, IE
[72] MENG, JIANGHUI, IE
[73] DUBLIN CITY UNIVERSITY, IE
[85] 2016-06-22
[86] 2014-12-19 (PCT/EP2014/078732)
[87] (WO2015/097087)
[30] US (61/920,053) 2013-12-23
[30] US (14/244,162) 2014-04-03

[11] **2,936,252**
[13] C

[51] **Int.Cl. C12N 1/21 (2006.01) C12N 9/02 (2006.01)**
[25] EN
[54] **RECOMBINANT ACETOGENIC BACTERIUM WITH MUTATED LACTATE BIOSYNTHESIS PATHWAY ENZYME AND METHODS OF USE THEREOF**
[54] **BACTERIE ACETOGENE RECOMBINANTE DOTEES D'UN ENZYME A CHEMINEMENT DE BIOSYNTHESE DE LACTATE MUTE ET METHODES D'UTILISATION ASSOCIEE**
[72] NAGARAJU, SHILPA, US
[72] AL-SINAWI, BAKIR, US
[72] DE TISSERA, SASHINI, US
[72] KOEPKE, MICHAEL, US
[73] LANZATECH NEW ZEALAND LIMITED, NZ
[85] 2016-07-07
[86] 2015-01-29 (PCT/US2015/013625)
[87] (WO2015/116874)
[30] US (61/933,815) 2014-01-30
[30] US (61/944,541) 2014-02-25

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[11] **2,938,279**
[13] C

[51] **Int.Cl. C09K 8/588 (2006.01) C09K 8/035 (2006.01) E21B 43/22 (2006.01)**

[25] EN

[54] **AMPHOLYTE POLYMERS AND METHODS OF TREATING SUBTERRANEAN FORMATIONS WITH THE SAME**

[54] **POLYMERES AMPHOLYTES ET PROCEDES DE TRAITEMENT DE FORMATIONS SOUTERRAINES LES UTILISANT**

[72] CHUNG, HSINCHEN, US

[72] HU, YUNTAO THOMAS, US

[72] TONMUKAYAKUL, NARONGSAK, US

[72] FITZPATRICK, HARVEY, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-07-28

[86] 2014-12-10 (PCT/US2014/069506)

[87] (WO2015/138018)

[30] US (14/204,506) 2014-03-11

[11] **2,938,488**
[13] C

[51] **Int.Cl. F16B 19/00 (2006.01) F16B 12/12 (2006.01) F16B 12/20 (2006.01) F16B 17/00 (2006.01)**

[25] EN

[54] **CINCH FASTENING DEVICE**

[54] **DISPOSITIF DE FIXATION DE SANGLE**

[72] KOELLING, BRYAN, US

[73] LOCKDOWEL, INC., US

[85] 2016-08-01

[86] 2015-02-03 (PCT/US2015/014336)

[87] (WO2015/117161)

[30] US (61/935,326) 2014-02-03

[11] **2,939,309**
[13] C

[51] **Int.Cl. B05B 1/18 (2006.01) A47K 3/28 (2006.01)**

[25] EN

[54] **QUICK CONNECT SHOWERHEAD**

[54] **POMME DE DOUCHE A RACCORD RAPIDE**

[72] HUFFINGTON, TODD A., US

[72] JONTE, PATRICK B., US

[73] DELTA FAUCET COMPANY, US

[86] (2939309)

[87] (2939309)

[22] 2016-08-12

[30] US (14/829,300) 2015-08-18

[11] **2,939,574**
[13] C

[51] **Int.Cl. C03B 33/07 (2006.01) C03B 33/09 (2006.01)**

[25] EN

[54] **METHOD FOR CUTTING A LAMINATED, ULTRATHIN GLASS LAYER**

[54] **PROCEDE DE DECOUPE D'UNE COUCHE DE VERRE ULTRAMINCE STRATIFIEE**

[72] YEH, LI-YA, DE

[73] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2016-08-12

[86] 2015-01-14 (PCT/EP2015/050540)

[87] (WO2015/132008)

[30] EP (14157625.6) 2014-03-04

[11] **2,940,470**
[13] C

[51] **Int.Cl. A61K 31/121 (2006.01) A61K 33/243 (2019.01) A61K 9/127 (2006.01) A61K 31/164 (2006.01) A61K 31/337 (2006.01) A61K 31/365 (2006.01) A61K 31/4188 (2006.01) A61K 31/655 (2006.01) A61K 31/661 (2006.01) A61K 31/704 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **TREATMENT FOR GLIOBLASTOMA**

[54] **TRAITEMENT DE GLIOBLASTOME**

[72] SORDILLO, LAURA A., US

[72] SORDILLO, PETER P., US

[72] HELSON, LAWRENCE, US

[73] SIGNPATH PHARMA INC., US

[86] (2940470)

[87] (2940470)

[22] 2016-08-30

[30] US (62/220,635) 2015-09-18

[11] **2,940,802**
[13] C

[51] **Int.Cl. G01N 1/22 (2006.01) G01R 31/06 (2006.01)**

[25] EN

[54] **APPARATUS FOR MEASURING DISSOLVED GAS AND OIL IMMERSED TRANSFORMER HAVING THE SAME**

[54] **APPAREIL SERVANT A MESURER LE GAZ DISSOUT ET TRANSFORMATEUR IMMERGE DANS L'HUILE COMPORTANT LEDIT APPAREIL**

[72] KIM, JUNG HAN, KR

[72] LEE, BYEONG HO, KR

[72] HUR, YOUNG KEUN, KR

[72] MIN, BYOUNG WOON, KR

[73] HYUNDAI ELECTRIC & ENERGY SYSTEMS CO., LTD., KR

[86] (2940802)

[87] (2940802)

[22] 2016-08-31

[30] KR (10-2015-0136352) 2015-09-25

[11] **2,940,863**
[13] C

[51] **Int.Cl. H02S 40/10 (2014.01) H02S 40/22 (2014.01) F24S 40/42 (2018.01)**

[25] EN

[54] **DEVICE TO REGULATE THE RELATIVE HUMIDITY LEVEL IN A CPV MODULE**

[54] **DISPOSITIF POUR REGULER LE TAUX D'HUMIDITE RELATIVE DANS UN MODULE CPV**

[72] GOMBERT, ANDREAS, DE

[72] STOR, JAKOB, DE

[72] TALIERCIO, CECILE, DE

[73] SAINT-AUGUSTIN CANADA ELECTRIC INC., CA

[85] 2016-08-26

[86] 2014-02-12 (PCT/EP2014/000389)

[87] (WO2014/131492)

[30] FR (1351665) 2013-02-26

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[11] **2,941,353**
[13] C

[51] **Int.Cl. C07H 19/213 (2006.01)**
[25] EN
[54] **CRYSTALLINE 3',5'-CYCLIC DIGUANILIC ACID**
[54] **ACIDE DIGUANILIQUE 3',5'-CYCLIQUE SOUS FORME CRISTALLINE**
[72] TANAKA, HISAKI, JP
[72] ISHIGE, KAZUYA, JP
[73] YAMASA CORPORATION, JP
[85] 2016-08-31
[86] 2015-02-27 (PCT/JP2015/055975)
[87] (WO2015/133411)
[30] JP (2014-040108) 2014-03-03

[11] **2,941,456**
[13] C

[51] **Int.Cl. A47C 19/00 (2006.01) A47C 19/02 (2006.01)**
[25] EN
[54] **DETACHABLE BED BASE**
[54] **BASE DE LIT DETACHABLE**
[72] HUANG, CHI-CHUNG, TW
[73] APEX HEALTH CARE MFG. INC., CN
[86] (2941456)
[87] (2941456)
[22] 2016-09-12

[11] **2,941,750**
[13] C

[51] **Int.Cl. G03G 15/06 (2006.01) G01F 23/20 (2006.01)**
[25] EN
[54] **TONER LEVEL SENSING FOR A REPLACEABLE UNIT OF AN IMAGE FORMING DEVICE**
[54] **DETECTION DE NIVEAU D'ENCRE EN POUDRE POUR UNE UNITE REMPLACABLE D'UN DISPOSITIF DE FORMATION D'IMAGE**
[72] LEEMHUIS, MICHAEL CRAIG, US
[72] ABLER, JEFFREY ALAN, US
[72] BAST, CHARLES ALAN, US
[72] DUTTON, TODD ALAN, US
[72] SCHNEIDER, DAVID ANTHONY, US
[73] LEXMARK INTERNATIONAL, INC., US
[85] 2016-09-06
[86] 2015-03-23 (PCT/US2015/021947)
[87] (WO2015/148352)
[30] US (14/227,117) 2014-03-27

[11] **2,941,904**
[13] C

[51] **Int.Cl. F04D 13/08 (2006.01) F04D 7/04 (2006.01)**
[25] EN
[54] **SUBMERSIBLE PUMP AND METHOD OF PUMPING FLUID**
[54] **POMPE SUBMERSIBLE ET PROCEDE DE POMPAGE DE FLUIDE**
[72] MENEGHEL, PAUL, AU
[72] MURRAY, TONY, AU
[73] PUMPENG PTY LTD, AU
[85] 2016-09-08
[86] 2015-03-11 (PCT/AU2015/000137)
[87] (WO2015/135020)
[30] AU (2014900824) 2014-03-11

[11] **2,942,791**
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/712 (2006.01) A61P 21/00 (2006.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **ENA NUCLEIC ACID PHARMACEUTICALS CAPABLE OF MODIFYING SPLICING OF MRNA PRECURSORS**
[54] **PRODUITS PHARMACEUTIQUES A BASE D'ACIDE NUCLEIQUE ENA CAPABLES DE MODIFIER L'EPISSAGE DE PRECURSEURS D'ARNM**
[72] MATSUO, MASAFUMI, JP
[72] TAKESHIMA, YASUHIRO, JP
[72] KOIZUMI, MAKOTO, JP
[73] MATSUO, MASAFUMI, JP
[73] TAKESHIMA, YASUHIRO, JP
[73] DAIICHI SANKYO COMPANY, LIMITED, JP
[73] ORPHAN DISEASE TREATMENT INSTITUTE CO., LTD., JP
[86] (2942791)
[87] (2942791)
[22] 2003-11-21
[62] 2,796,924
[30] JP (2002-340857) 2002-11-25
[30] JP (2003-204381) 2003-07-31

[11] **2,942,857**
[13] C

[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **ANTI-EXTRUSION RAM SEAL FOR A BLOWOUT PREVENTER**
[54] **JOINT D'ETANCHEITE DE MACHOIRE ANTI-EXTRUSION POUR UN BLOC OBTURATEUR**
[72] SEDENS, DIETMAR, CA
[72] HARDER, WERNER, CA
[73] DOMINO MACHINE INC., CA
[85] 2016-09-15
[86] 2015-04-20 (PCT/IB2015/000533)
[87] (WO2015/162482)
[30] CA (2,849,688) 2014-04-23

[11] **2,942,887**
[13] C

[51] **Int.Cl. C07F 15/00 (2006.01) C07F 9/6512 (2006.01)**
[25] EN
[54] **TYROSINE KINASE INHIBITORS COMPRISING GOLD-AND PLATINUM-QUINAZOLINE DERIVATIVES**
[54] **INHIBITEURS DE TYROSINE KINASE RENFERMANT DES DERIVES D'OR-QUINAZOLINE ET DE PLATINE-QUINAZOLINE**
[72] BIERBACH, ULRICH, US
[72] YANG, MU, US
[72] PICKARD, AMANDA J., US
[73] WAKE FOREST UNIVERSITY, US
[85] 2016-09-14
[86] 2015-03-15 (PCT/US2015/020634)
[87] (WO2015/142683)
[30] US (61/953,761) 2014-03-15

[11] **2,943,273**
[13] C

[51] **Int.Cl. H02B 1/28 (2006.01) H01R 13/52 (2006.01) H02G 3/08 (2006.01)**
[25] EN
[54] **POWER PEDESTAL WITH BREAKAWAY PEDESTAL BASE**
[54] **SOCLE ELECTRIQUE AYANT UNE BASE DE SOCLE DETACHABLE**
[72] BROERE, HANS, CA
[73] A.C. DANDY PRODUCTS LTD., CA
[86] (2943273)
[87] (2943273)
[22] 2014-10-21
[62] 2,868,890
[30] US (61/893,524) 2013-10-21

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[11] **2,943,451**
[13] C

[51] **Int.Cl. C04B 41/91 (2006.01)**
[25] EN
[54] **METHOD FOR COATING
REMOVAL**
[54] **METHODE D'ENLEVEMENT DE
REVETEMENT**
[72] WAN, JULIN, US
[72] CAO, HONGBO, US
[73] GENERAL ELECTRIC COMPANY,
US
[86] (2943451)
[87] (2943451)
[22] 2016-09-29
[30] US (14/878,192) 2015-10-08

[11] **2,943,798**
[13] C

[51] **Int.Cl. G02C 5/22 (2006.01)**
[25] EN
[54] **MOUNTING MECHANISM FOR
EYEWEAR**
[54] **MECANISME DE MONTAGE
POUR LUNETTES**
[72] CALILUNG, RYAN ANTHONY, US
[72] MCKONLY, CHAD MICHAEL, US
[72] HERONEN, NATHAN EINO, US
[72] YOSHINARI, ERIC, US
[73] OAKLEY, INC., US
[85] 2016-09-23
[86] 2015-03-26 (PCT/US2015/022674)
[87] (WO2015/148770)
[30] US (61/971,433) 2014-03-27

[11] **2,944,224**
[13] C

[51] **Int.Cl. A01N 59/00 (2006.01) A01N
37/16 (2006.01) A01P 1/00 (2006.01)
A61K 8/22 (2006.01) A61L 2/20
(2006.01)**
[25] EN
[54] **PROCESS OF KILLING SPORES
USING VAPOROUS PEROXIDE
COMPOSITION**
[54] **PROCEDE DE SUPPRESSION DE
SPORES AU MOYEN DE
COMPOSITION DE PEROXYDE
EN PHASE VAPEUR**
[72] BURKE, PETER A., US
[72] LEGGETT, MARK JAMES, GB
[72] CENTANNI, MICHAEL A., US
[73] AMERICAN STERILIZER
COMPANY, US
[85] 2016-09-27
[86] 2015-02-10 (PCT/US2015/015090)
[87] (WO2015/167643)
[30] US (14/262,840) 2014-04-28
[30] US (14/525,497) 2014-10-28
[30] US (14/538,011) 2014-11-11

[11] **2,944,272**
[13] C

[51] **Int.Cl. H05B 1/00 (2006.01) H03K
17/00 (2006.01) H03K 17/955
(2006.01) H05B 3/84 (2006.01)**
[25] EN
[54] **PANE WITH AN ILLUMINATED
SWITCH SURFACE AND A
HEATING FUNCTION**
[54] **PANNEAU COMPORTANT UNE
SURFACE D'INTERRUPTEUR
ILLUMINEE ET UNE FONCTION
DE CHAUFFAGE**
[72] WEBER, PATRICK, DE
[72] SCHULZ, VALENTIN, DE
[72] HERMANGE, FRANCOIS, DE
[72] DROSTE, STEFAN, DE
[72] BONDKOWSKI, JENS, FR
[72] PARIJ, GERRY, US
[73] SAINT-GOBAIN GLASS FRANCE,
FR
[85] 2016-09-28
[86] 2015-04-21 (PCT/EP2015/058552)
[87] (WO2015/162107)
[30] US (61/983,669) 2014-04-24

[11] **2,944,275**
[13] C

[51] **Int.Cl. H05B 1/00 (2006.01) H03K
17/955 (2006.01) H05B 3/84 (2006.01)**
[25] EN
[54] **ELECTRICALLY HEATABLE
PANE WITH SWITCH REGION**
[54] **PANNEAU POUVANT ETRE
CHAUFFE ELECTRIQUEMENT
DOTE D'UNE REGION
D'INTERRUPTEUR**
[72] WEBER, PATRICK, DE
[72] ESSER, HANS-GEORG, DE
[72] BONDKOWSKI, JENS, FR
[73] SAINT-GOBAIN GLASS FRANCE,
FR
[85] 2016-09-28
[86] 2015-04-21 (PCT/EP2015/058553)
[87] (WO2015/162108)
[30] EP (14165740.3) 2014-04-24

[11] **2,944,329**
[13] C

[51] **Int.Cl. A61B 17/072 (2006.01) A61B
17/068 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **END EFFECTORS, SURGICAL
STAPLING DEVICES, AND
METHODS OF USING SAME**
[54] **EFFECTEURS D'EXTREMITE,
DISPOSITIFS D'AGRAFAGE
CHIRURGICAL, ET LEURS
PROCEDES D'UTILISATION**
[72] THOMPSON, JONATHAN, US
[72] THOMPSON, BEN, US
[72] NUCHOLS, RICHARD P., US
[72] ORTIZ, MARK STEVEN, US
[72] WAMPLER, JAMES, US
[73] STANDARD BARIATRICS, INC., US
[85] 2016-09-28
[86] 2015-03-27 (PCT/US2015/022904)
[87] (WO2015/153324)
[30] US (61/972,274) 2014-03-29
[30] US (62/046,726) 2014-09-05

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[11] **2,945,861**
[13] C

[51] **Int.Cl. F03D 13/10 (2016.01) F03D 13/20 (2016.01) E04H 12/08 (2006.01) E04H 12/34 (2006.01)**

[25] EN

[54] **ALIGNMENT TOOL, SYSTEM AND METHOD FOR THE CONNECTION OF WIND TURBINE TOWER SEGMENTS**

[54] **OUTIL D'ALIGNEMENT, SYSTEME ET PROCEDE POUR LA LIAISON DE SEGMENTS DE TOUR DE TURBINE EOLIENNE**

[72] PEDERSEN, GUNNAR K. STORGAARD, DK

[72] MOLLER NIELSEN, BEN, DK

[72] HERMANN HANSEN, JESPER, DK

[72] TORBORG, JENS, DK

[73] VESTAS WIND SYSTEMS A/S, DK

[85] 2016-10-14

[86] 2015-04-16 (PCT/DK2015/050096)

[87] (WO2015/161855)

[30] DK (PA 2014 70229) 2014-04-22

[11] **2,946,106**
[13] C

[51] **Int.Cl. C22B 23/00 (2006.01) C22B 3/08 (2006.01) C22B 34/32 (2006.01)**

[25] EN

[54] **HYDROMETALLURGICAL METHOD FOR NICKEL OXIDE ORE**

[54] **PROCEDE HYDROMETALLURGIQUE DESTINE AU MINERAI D'OXYDE DE NICKEL**

[72] OHARA, GO, JP

[72] KAN, YASUMASA, JP

[72] IMAMURA, MASAKI, JP

[73] SUMITOMO METAL MINING CO., LTD., JP

[85] 2016-10-17

[86] 2015-03-27 (PCT/JP2015/059674)

[87] (WO2015/159685)

[30] JP (2014-086590) 2014-04-18

[11] **2,946,664**
[13] C

[51] **Int.Cl. B44C 5/04 (2006.01) E04F 13/00 (2006.01) E04F 15/00 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A DECORATED WALL OR FLOOR PANEL**

[54] **PROCEDE DE PRODUCTION D'UN PANNEAU DE PAROI OU DE SOL DECORE**

[72] HANNIG, HANS-JURGEN, DE

[73] AKZENTA PANELEE + PROFILE GMBH, DE

[85] 2016-10-21

[86] 2015-04-28 (PCT/EP2015/059220)

[87] (WO2015/169647)

[30] EP (14167698.1) 2014-05-09

[11] **2,948,297**
[13] C

[51] **Int.Cl. C22C 38/18 (2006.01) B60B 17/00 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01)**

[25] EN

[54] **RAILWAY VEHICLE WHEEL AND METHOD FOR MANUFACTURING RAILWAY VEHICLE WHEEL**

[54] **ROUE DE VEHICULE SUR RAIL ET METHODE DE FABRICATION DE ROUE DE VEHICULE SUR RAIL**

[72] KIMURA, TATSUMI, JP

[72] IWAMOTO, TAKASHI, JP

[72] ENDO, SHIGERU, JP

[72] HONJO, MINORU, JP

[72] ICHIMIYA, KATSUYUKI, JP

[72] HASE, KAZUKUNI, JP

[72] TOKUNAGA, KAZUYA, JP

[73] JFE STEEL CORPORATION, JP

[85] 2016-11-07

[86] 2015-06-09 (PCT/JP2015/002886)

[87] (WO2015/190088)

[30] JP (2014-120542) 2014-06-11

[11] **2,949,059**
[13] C

[51] **Int.Cl. E21B 10/46 (2006.01)**

[25] EN

[54] **CONTINUOUS FIBER-REINFORCED TOOLS FOR DOWNHOLE USE**

[54] **OUTILS RENFORCES DE FIBRES CONTINUES POUR UN USAGE EN FOND DE TROU**

[72] OLSEN, GARRETT T., US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-11-14

[86] 2014-07-03 (PCT/US2014/045352)

[87] (WO2016/003464)

[11] **2,950,772**
[13] C

[51] **Int.Cl. B01F 3/04 (2006.01) B64F 5/30 (2017.01) B64D 33/00 (2006.01) F02B 77/04 (2006.01) F02C 7/00 (2006.01) B01F 17/00 (2006.01)**

[25] EN

[54] **META-STABLE DETERGENT BASED FOAM CLEANING SYSTEM AND METHOD FOR GAS TURBINE ENGINES**

[54] **DETERGENT METASTABLE FONDE SUR UN SYSTEME DE NETTOYAGE A LA MOUSSE ET METHODE DESTINEE AUX TURBINES A GAZ**

[72] KULKARNI, AMBARISH JAYANT, US

[72] BEWLAY, BERNARD PATRICK, US

[72] PRITCHARD, BYRON ANDREW, JR., US

[72] TIBBETTS, NICOLE JESSICA, US

[72] ERIKSEN, MICHAEL EDWARD, US

[72] WILTON, STEPHEN, US

[73] GENERAL ELECTRIC COMPANY, US

[86] (2950772)

[87] (2950772)

[22] 2016-12-06

[30] US (14/967,043) 2015-12-11

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[11] **2,951,522**
[13] C

[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/30 (2014.01) H04N 19/34 (2014.01) H04N 19/70 (2014.01)**

[25] EN

[54] **EXTENSIBLE DESIGN OF NESTING SUPPLEMENTAL ENHANCEMENT INFORMATION (SEI) MESSAGES**

[54] **CONCEPTION EXTENSIBLE DE MESSAGES D'INFORMATIONS D'AMELIORATION SUPPLEMENTAIRES (SEI) A IMBRICATION**

[72] RAMASUBRAMONIAN, ADARSH KRISHNAN, US

[72] HENDRY, FNU, US

[72] WANG, YE-KUI, US

[73] QUALCOMM INCORPORATED, US

[85] 2016-12-07

[86] 2015-06-18 (PCT/US2015/036390)

[87] (WO2015/195888)

[30] US (62/015,110) 2014-06-20

[30] US (14/742,573) 2015-06-17

[11] **2,952,068**
[13] C

[51] **Int.Cl. C10G 55/04 (2006.01)**

[25] EN

[54] **AN INTEGRATED SYSTEM FOR BITUMEN PARTIAL UPGRADING**

[54] **UN SYSTEME INTEGRE DE VALORISATION PARTIELLE DU BITUME**

[72] PAPAVALASSILIOU, VASILIS, US

[72] PANUCCIO, GREGORY J., US

[73] PRAXAIR TECHNOLOGY, INC., US

[86] (2952068)

[87] (2952068)

[22] 2016-12-15

[30] US (14/974,933) 2015-12-18

[11] **2,952,695**
[13] C

[51] **Int.Cl. B01D 53/26 (2006.01) B01D 53/04 (2006.01) B60T 17/00 (2006.01)**

[25] EN

[54] **DEVICE FOR ARRANGEMENT IN A CONTAINER OF A SORPTION DRYER FOR A FLUID, CONTAINER OF A SORPTION DRYER AND SYSTEM**

[54] **DISPOSITIF A METTRE EN PLACE DANS UN RESERVOIR D'UN SECHOIR A SORPTION DESTINE A UN FLUIDE, RESERVOIR DE SECHOIR A SORPTION ET SYSTEME**

[72] RBAYTI, ABDELKHALIC, DE

[72] SCHAEFER, JENS, DE

[72] BONGARTZ, WOLFGANG, DE

[72] FULKO, SUSANNE, DE

[72] SCHAAF, PETER, DE

[72] LETTAU, ANDREAS, DE

[72] SCHWARZ, PETER, DE

[72] WESTPHAL, ROLAND, DE

[73] DONALDSON FILTRATION DEUTSCHLAND GMBH, DE

[85] 2016-12-16

[86] 2015-06-24 (PCT/EP2015/001269)

[87] (WO2015/197189)

[30] DE (10 2014 009 292.5) 2014-06-26

[30] DE (10 2014 013 806.2) 2014-09-23

[11] **2,953,246**
[13] C

[51] **Int.Cl. B25J 9/16 (2006.01) B25J 11/00 (2006.01) B62D 57/032 (2006.01)**

[25] EN

[54] **STANDBY MODE OF A HUMANOID ROBOT**

[54] **MODE VEILLE D'UN ROBOT HUMANOIDE**

[72] DALIBARD, SEBASTIEN, FR

[72] MAZEL, ALEXANDRE, FR

[72] COLLETTE, CYRILLE, FR

[72] MAISONNIER, BRUNO, FR

[72] MONCEAUX, JEROME, FR

[73] SOFTBANK ROBOTICS EUROPE, FR

[85] 2016-12-05

[86] 2015-06-05 (PCT/EP2015/062537)

[87] (WO2015/185709)

[30] EP (14305847.7) 2014-06-05

[11] **2,953,662**
[13] C

[51] **Int.Cl. C10G 51/04 (2006.01) C10G 11/00 (2006.01) C10G 11/02 (2006.01)**

[25] EN

[54] **METHOD FOR PREPARING LIGHT OIL**

[54] **PROCEDE DE PREPARATION D'HUILE LEGERE**

[72] CAO, ZHIDE, CN

[72] ZHANG, CHUNWEI, CN

[72] ZHANG, SHANYIN, CN

[72] PENG, HONGNA, CN

[73] HUNAN WANTONG TECHNOLOGY CO., LTD., CN

[85] 2016-12-23

[86] 2015-02-13 (PCT/CN2015/072996)

[87] (WO2016/000456)

[30] CN (201410304982.3) 2014-06-30

[11] **2,954,027**
[13] C

[51] **Int.Cl. C08F 2/32 (2006.01) A61F 13/15 (2006.01) A61F 13/49 (2006.01) A61F 13/53 (2006.01)**

[25] EN

[54] **WATER-ABSORBENT RESIN AND METHOD OF PRODUCING WATER-ABSORBENT RESIN**

[54] **RESINE ABSORBANT L'EAU ET PROCEDE DE PRODUCTION DE RESINE ABSORBANT L'EAU**

[72] HINAYAMA, TETSUHIRO, JP

[72] MURAKAMI, MASAHIRO, JP

[72] YABUGUCHI, HIROKI, JP

[72] YOKOYAMA, HIDEKI, JP

[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP

[85] 2016-12-30

[86] 2014-11-04 (PCT/JP2014/079242)

[87] (WO2016/006129)

[30] JP (2014-143714) 2014-07-11

[30] JP (2014-223721) 2014-10-31

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[11] **2,954,227**
[13] C

[51] **Int.Cl. B29C 45/16 (2006.01) B29C 45/14 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A PLASTIC VEHICLE ATTACHMENT PART**

[54] **PROCEDE DE FABRICATION D'UNE PIECE RAPPORTEE DE VEHICULE EN MATIERE PLASTIQUE**

[72] BENYAHIA, RYM, DE
[72] LUX, THOMAS, DE
[72] TURAN, AHMET, DE
[72] FOURNIER, NICOLAS, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-01-04
[86] 2015-07-09 (PCT/EP2015/065660)
[87] (WO2016/008790)
[30] EP (14177427.3) 2014-07-17

[11] **2,954,353**
[13] C

[51] **Int.Cl. A61B 17/17 (2006.01) A61B 17/15 (2006.01) A61F 2/30 (2006.01)**

[25] EN

[54] **DESIGN METHOD OF A RIG**

[54] **PROCEDE DE CONCEPTION D'UNE PLATE-FORME DE PERCAGE**

[72] BAKE, NINA, SE
[72] LILLIESTRALE, RICHARD, SE
[73] EPISURF IP-MANAGEMENT AB, SE
[85] 2017-01-05
[86] 2015-07-09 (PCT/EP2015/065780)
[87] (WO2016/005541)
[30] EP (PCT/EP2014/064760) 2014-07-09

[11] **2,954,552**
[13] C

[51] **Int.Cl. H04L 12/22 (2006.01) H04L 12/26 (2006.01) H04L 29/06 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTING AN ATTACK IN A COMPUTER NETWORK**

[54] **PROCEDE DE DETECTION D'UNE ATTAQUE DANS UN RESEAU D'ORDINATEURS**

[72] KLOTH, MATHIAS, DE
[72] WESTPHALEN, MICHAEL, DE
[73] DEUTSCHE TELEKOM AG, DE
[85] 2017-01-09
[86] 2015-07-08 (PCT/EP2015/065547)
[87] (WO2016/008778)
[30] EP (14177647.6) 2014-07-18

[11] **2,954,860**
[13] C

[51] **Int.Cl. D06F 33/02 (2006.01) D06F 37/04 (2006.01)**

[25] EN

[54] **LAUNDRY WASHING METHOD**

[54] **METHODE DE LESSIVE**

[72] HASHIMOTO, HIDEO, JP
[73] HAPPY CO., LTD., JP
[85] 2017-01-11
[86] 2015-10-29 (PCT/JP2015/080521)
[87] (WO2016/080170)
[30] JP (2014-249332) 2014-11-21

[11] **2,955,022**
[13] C

[51] **Int.Cl. A61C 8/00 (2006.01)**

[25] EN

[54] **DENTAL RING**

[54] **BAGUE DENTAIRE**

[72] WYCHOWANSKI, PIOTR, PL
[72] CHROSCICKA, ANNA, PL
[72] LEWANDOWSKA-SZUMIEL, MALGORZATA, PL
[72] KALASZCZYNSKA, ILONA, PL
[73] WARSZAWSKI UNIWERSYTET MEDYCZNY, PL
[85] 2017-01-10
[86] 2015-07-15 (PCT/IB2015/055363)
[87] (WO2016/009372)
[30] PL (P.408859) 2014-07-15
[30] IT (MI2014A002097) 2014-12-05

[11] **2,956,393**
[13] C

[51] **Int.Cl. E05B 17/20 (2006.01) E05B 65/00 (2006.01)**

[25] EN

[54] **DEADBOLT ASSEMBLY**

[54] **ENSEMBLE PENE DORMANT**

[72] GRAHAM, MATTHEW S., US
[73] SCHLAGE LOCK COMPANY LLC, US
[85] 2017-01-25
[86] 2015-07-06 (PCT/US2015/039203)
[87] (WO2016/004428)
[30] US (14/324,052) 2014-07-03

[11] **2,956,670**
[13] C

[51] **Int.Cl. C11D 3/30 (2006.01) C11D 1/12 (2006.01) C11D 1/94 (2006.01)**

[25] EN

[54] **CLEANING COMPOSITION COMPRISING A CLEANING AMINE**

[54] **COMPOSITION DE NETTOYAGE RENFERMANT UNE AMINE NETTOYANTE**

[72] HULSKOTTER, FRANK, DE
[72] DELPLANCKE, PATRICK FIRMIN AUGUST, BE
[72] LUDOLPH, BJOERN, DE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-09-29
[86] 2015-04-20 (PCT/US2015/026575)
[87] (WO2015/167836)
[30] EP (14166720.4) 2014-04-30

[11] **2,957,098**
[13] C

[51] **Int.Cl. G01N 13/00 (2006.01) G01N 24/08 (2006.01)**

[25] EN

[54] **METHOD FOR MEASURING ROCK WETTABILITY**

[54] **PROCEDE PERMETTANT DE MESURER LA MOUILLABILITE D'UNE ROCHE**

[72] CHEN, QUAN, GB
[72] COLLINS, IAN RALPH, GB
[73] BP EXPLORATION OPERATING COMPANY LIMITED, GB
[86] (2957098)
[87] (2957098)
[22] 2010-11-19
[62] 2,782,731
[30] EP (09252811.6) 2009-12-16
[30] GB (1007694.1) 2010-05-06

[11] **2,957,293**
[13] C

[51] **Int.Cl. E01B 1/00 (2006.01) E02D 3/10 (2006.01)**

[25] EN

[54] **SUBGRADE PEAT STABILISATION SYSTEM FOR RAILWAY**

[54] **SYSTEME DE STABILISATION DE MOUSSE DE PLATE-FORME**

[72] MAKI, GORDON C., CA
[73] TBT ENGINEERING LIMITED, CA
[86] (2957293)
[87] (2957293)
[22] 2017-02-08
[30] US (62/315,763) 2016-03-31

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[11] **2,957,955**
[13] C

[51] **Int.Cl. A47G 19/22 (2006.01) A45F 3/16 (2006.01) A47G 21/18 (2006.01) B67C 9/00 (2006.01)**

[25] EN

[54] **PORTABLE DRINKING VESSEL ASSEMBLY**

[54] **ENSEMBLE DE RECIPIENT DE BOISSON PORTATIF**

[72] SULLIVAN, JENNIFER JO, US

[72] ROTHFUS, RANDALL ALLEN, US

[73] J JO MARKET LLC, US

[86] (2957955)

[87] (2957955)

[22] 2017-02-15

[30] US (15/358759) 2016-11-22

[30] US (62/412805) 2016-10-25

[11] **2,958,032**
[13] C

[51] **Int.Cl. C07C 311/08 (2006.01) A01N 41/06 (2006.01) A01N 43/36 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/78 (2006.01) A01P 7/00 (2006.01) A61K 31/18 (2006.01) A61K 31/40 (2006.01) A61K 31/428 (2006.01) A61K 31/44 (2006.01) A61K 31/506 (2006.01) A61P 33/00 (2006.01) C07D 207/335 (2006.01) C07D 213/643 (2006.01) C07D 239/34 (2006.01) C07D 277/66 (2006.01)**

[25] EN

[54] **SULFONYLAMINO BENZAMIDE COMPOUNDS**

[54] **COMPOSES DE SULFONYLAMINO BENZAMIDE**

[72] GAUVRY, NOELLE, CH

[72] PAUTRAT, FRANCOIS, CH

[72] PERRET, JEAN-LUC, CH

[72] TAHTAOUI, CHOUAIB, CH

[73] ELANCO TIERGESUNDHEIT AG, CH

[85] 2016-10-19

[86] 2015-06-10 (PCT/US2015/035026)

[87] (WO2015/195423)

[30] EP (14172659.6) 2014-06-17

[11] **2,958,146**
[13] C

[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/36 (2015.01)**

[25] EN

[54] **CULTIVATION OF HAIR INDUCTIVE CELLS**

[54] **CULTURE DE CELLULES FAVORISANT LA POUSSE DES CHEVEUX**

[72] TEUMER, JEFFREY KELLER, US

[72] QIAO, JIZENG, US

[72] PHILIPS, ERICA, US

[72] WOLOWACZ, RICHARD GREGORY, GB

[73] ADERANS RESEARCH INSTITUTE, INC., US

[86] (2958146)

[87] (2958146)

[22] 2003-11-14

[62] 2,505,409

[30] US (60/426,111) 2002-11-14

[11] **2,958,152**
[13] C

[51] **Int.Cl. B64F 5/40 (2017.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**

[25] EN

[54] **GAS TURBINE IN SITU INFLATABLE BLADDERS FOR ON-WING REPAIR**

[54] **VESSIES GONFLABLES SUR PLACE DESTINEES A UNE TURBINE A GAZ EN VUE DE LA REPARATION SUR AILE**

[72] ROBERTS, HERBERT CHIDSEY, US

[72] DIWINSKY, DAVID SCOTT, US

[73] GENERAL ELECTRIC COMPANY, US

[86] (2958152)

[87] (2958152)

[22] 2017-02-16

[30] US (15/057,236) 2016-03-01

[11] **2,958,823**
[13] C

[51] **Int.Cl. B03D 1/24 (2006.01) B01F 3/04 (2006.01) B01F 5/00 (2006.01) B08B 3/04 (2006.01) B08B 5/00 (2006.01) D21B 1/32 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR CLEANING FIBER SUSPENSIONS BY MEANS OF FLOTATION**

[54] **PROCEDE ET DISPOSITIF POUR EPURER DES SUSPENSIONS DE MATIERES FIBREUSES PAR FLOTTATION**

[72] MENNE, RALF, DE

[72] RITTER, ANDREAS, DE

[72] MAMAT, OLIVER, DE

[73] RITHCO PAPERTEC GMBH, DE

[85] 2017-02-21

[86] 2015-08-14 (PCT/DE2015/000408)

[87] (WO2016/026477)

[30] DE (10 2014 012 666.8) 2014-08-22

[11] **2,959,742**
[13] C

[51] **Int.Cl. G01N 15/05 (2006.01) G01N 33/49 (2006.01)**

[25] EN

[54] **MICROFLUID CHIP-BASED, UNIVERSAL COAGULATION ASSAY**

[54] **TEST DE COAGULATION UNIVERSEL FONDE SUR UNE PUCE MICROFLUIDIQUE**

[72] BAKHRU, SASHA, US

[72] LAULICHT, BRYAN, US

[72] ZAPPE, STEFAN, US

[72] STEINER, SOLOMON, US

[73] PEROSPHERE TECHNOLOGIES INC., US

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[86] 2015-09-09 (PCT/US2015/049198)

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[13] C

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[54] **AUDIO SPLICING CONCEPT**
[54] **CONCEPT D'EPISSAGE AUDIO**
[72] THOMA, HERBERT, DE
[72] BLEIDT, ROBERT, US
[72] KRAEGELOH, STEFAN, DE
[72] NEUENDORF, MAX, DE
[72] KUNTZ, ACHIM, DE
[72] NIEDERMEIER, ANDREAS, DE
[72] KRATSCHMER, MICHAEL, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-03-03
[86] 2015-09-08 (PCT/EP2015/070493)
[87] (WO2016/038034)
[30] EP (14184141.1) 2014-09-09
[30] EP (15154752.8) 2015-02-11

[11] **2,960,443**
[13] C

[51] **Int.Cl. E04H 12/10 (2006.01) F03D 13/20 (2016.01) E04B 1/19 (2006.01) E04C 3/04 (2006.01) E04H 12/00 (2006.01) F16B 7/00 (2006.01)**

[25] EN
[54] **STRUT LINKAGE FOR A STEEL CONSTRUCTION, AND STEEL CONSTRUCTION HAVING A STRUT LINKAGE**
[54] **RATTACHEMENT D'ENTRETOISES POUR CONSTRUCTION METALLIQUE ET CONSTRUCTION METALLIQUE A RATTACHEMENT D'ENTRETOISES**
[72] DREWES, STEPHAN, DE
[72] HIRT, MARK, DE
[72] PATBERG, LOTHAR, DE
[72] PATON, ADRIAN, DE
[72] SAVVAS, KONSTANTINOS, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE
[73] THYSSENKRUPP AG, DE
[85] 2017-03-07
[86] 2015-08-21 (PCT/EP2015/069278)
[87] (WO2016/055211)
[30] DE (10 2014 114 472.4) 2014-10-06

[11] **2,960,532**
[13] C

[51] **Int.Cl. B01D 53/78 (2006.01) B01D 47/06 (2006.01)**

[25] EN
[54] **ROTATIONAL FLOW AND SINK FLOW COUPLING INTEGRATED SYSTEM FOR ULTRA-CLEAN DESULPHURIZATION AND DEDUSTING AND DESULPHURIZATION AND DEDUSTING METHOD THEREFOR**
[54] **SYSTEME INTEGRE DE COUPLAGE D'ECOULEMENT ROTATIONNEL ET D'ECOULEMENT PLONGEANT POUR LA DESULFURATION ET LE DEPOUSSIERAGE ULTRA-PROPRES ET PROCEDE DE DESULFURATION ET DE DEPOUSSIERAGE S'Y RAPPORTANT**
[72] ZHANG, KAIYUAN, CN
[73] BEIJING SPC ENVIRONMENT PROTECTION TECH CO.,LTD., CN
[85] 2017-03-08
[86] 2015-02-12 (PCT/CN2015/072843)
[87] (WO2016/050030)
[30] CN (2014105138677) 2014-09-29

[11] **2,960,535**
[13] C

[51] **Int.Cl. H04W 12/08 (2009.01)**

[25] EN
[54] **APPLICATION PLATFORM SECURITY ENFORCEMENT IN CROSS DEVICE AND OWNERSHIP STRUCTURES**
[54] **MIS EN OEUVRE DE LA SECURITE DE PLATEFORME D'APPLICATION DANS LES STRUCTURES CROISEES DE DISPOSITIF ET PROPRIETAIRE**
[72] MIHAN, KOKO, CA
[72] D'AGOSTINO, DINO, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG-SUK, CA
[72] MILKMAN, PAUL, CA
[72] BRAR, SATWINDER SINGH, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2960535)
[87] (2960535)
[22] 2017-03-10
[30] US (62/306,897) 2016-03-11

[11] **2,961,078**
[13] C

[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/15 (2006.01) A61L 15/22 (2006.01) A61L 15/42 (2006.01) A61M 27/00 (2006.01)**

[25] EN
[54] **MULTI-LAYER DRESSINGS, SYSTEMS, AND METHODS FOR APPLYING REDUCED PRESSURE AT A TISSUE SITE**
[54] **PANSEMENTS MULTICOUCHES, SYSTEMES ET PROCEDES D'APPLICATION D'UNE PRESSION REDUITE A UN SITE DE TISSU**
[72] OLSON, JOHNATHAN SCOTT, US
[73] KCI LICENSING, INC., US
[86] (2961078)
[87] (2961078)
[22] 2009-09-16
[62] 2,735,136
[30] US (61/098,000) 2008-09-18
[30] US (61/098,015) 2008-09-18

[11] **2,961,693**
[13] C

[51] **Int.Cl. B01J 8/00 (2006.01) B01J 19/24 (2006.01) C07K 1/00 (2006.01)**

[25] EN
[54] **REACTION PROCESS WITH MEMBRANE SEPARATION**
[54] **PROCEDE DE REACTION AVEC SEPARATION PAR MEMBRANE**
[72] ORMEROD, DOMINIC, BE
[72] BUEKENHOUDT, ANITA, BE
[73] VITO NV, BE
[85] 2017-03-17
[86] 2015-09-17 (PCT/EP2015/071302)
[87] (WO2016/042066)
[30] EP (14185205.3) 2014-09-17

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[13] C

[51] **Int.Cl. A63B 22/02 (2006.01)**
[25] EN
[54] **TREADMILL BELTS THAT ENHANCE A USER'S COMFORT AND STABILITY**
[54] **COURROIES DE TAPIS ROULANT QUI AMELIORENT LE CONFORT ET LA STABILITE DE L'UTILISATEUR**
[72] WALTER, CLARK, US
[72] WALTER, DORIS J., US
[73] WALTER, CLARK, US
[73] WALTER, DORIS J., US
[86] (2962298)
[87] (2962298)
[22] 2017-03-29
[30] US (62/315,234) 2016-03-30

[11] **2,962,666**
[13] C

[51] **Int.Cl. B64D 27/24 (2006.01) B64D 27/26 (2006.01) B64D 35/02 (2006.01) H02K 5/24 (2006.01) H02K 7/116 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **ELECTRIC PROPULSION ENGINE FOR AN AIRCRAFT**
[54] **DISPOSITIF DE PROPULSION ELECTRIQUE DESTINE A UN AERONEF**
[72] NIERGARTH, DANIEL ALAN, US
[72] VONDRELL, RANDY M., US
[72] MILLER, BRANDON WAYNE, US
[72] MARRINAN, PATRICK MICHAEL, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2962666)
[87] (2962666)
[22] 2017-03-30
[30] US (15/095,249) 2016-04-11

[11] **2,962,834**
[13] C

[51] **Int.Cl. E21B 43/40 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **FRONT TO BACK CENTRAL PROCESSING FACILITY**
[54] **INSTALLATION DE TRAITEMENT CENTRALE DE L'AVANT VERS L'ARRIERE**
[72] PORTELANCE, STEVE, CA
[73] WORLEYPARSONS CANADA SERVICES LTD., CA
[85] 2017-03-30
[86] 2017-02-11 (PCT/IB2017/000099)
[87] (WO2017/137829)
[30] US (62/294,069) 2016-02-11
[30] US (62/294,649) 2016-02-12

[11] **2,963,073**
[13] C

[51] **Int.Cl. C09K 8/42 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **FLUID LOSS ADDITIVE PACKAGE FOR SHALLOW WELL DRILLING FLUIDS**
[54] **ENSEMBLE D'ADDITIFS DE PERTE DE FLUIDE DESTINE AUX FLUIDES DE FORAGE DE PUIITS PEU PROFOND**
[72] MAY, PRESTON A., US
[72] COLLINS, RYAN P., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-03-29
[86] 2014-11-07 (PCT/US2014/064642)
[87] (WO2016/073004)

[11] **2,963,185**
[13] C

[51] **Int.Cl. A61F 13/505 (2006.01) A61F 13/15 (2006.01) A61F 13/49 (2006.01) A61F 13/56 (2006.01)**
[25] EN
[54] **MATERIAL SAVING CLOTHING**
[54] **VETEMENT ECONOMISEUR DE MATERIAU**
[72] KUO, SHIH-HUEY, CN
[73] CHEN, CHIEN-CHUNG, CN
[86] (2963185)
[87] (2963185)
[22] 2017-04-05

[11] **2,963,236**
[13] C

[51] **Int.Cl. E01C 19/12 (2006.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B33Y 40/00 (2015.01) B33Y 50/02 (2015.01) B22F 3/105 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR MOBILE ADDITIVE MANUFACTURING**
[54] **PROCEDES ET APPAREILS DESTINES A LA FABRICATION MOBILE D'ADJUVANTS**
[72] FLITSCH, ROBERT A., US
[72] FLITSCH, FREDERICK A., US
[73] FLITSCH, ROBERT A., US
[73] FLITSCH, FREDERICK A., US
[86] (2963236)
[87] (2963236)
[22] 2014-06-21
[62] 2,914,265
[30] US (61/838,302) 2013-06-23
[30] US (14/310,556) 2014-06-20
[30] US (14/310,443) 2014-06-20

[11] **2,963,240**
[13] C

[51] **Int.Cl. H04B 10/25 (2013.01) H04L 25/08 (2006.01)**
[25] EN
[54] **UPSTREAM INTERFERENCE ELIMINATING TRANSMISSION OF DIGITAL BASEBAND SIGNAL IN AN OPTICAL NETWORK**
[54] **TRANSMISSION DE SIGNAL DE BANDE DE BASE NUMERIQUE AVEC ELIMINATION D'INTERFERENCES DE LIAISON MONTANTE DANS UN RESEAU OPTIQUE**
[72] MARICEVIC, ZORAN, US
[72] STONEBACK, DEAN, US
[72] SCHEMMANN, MARCEL F., NL
[72] VIEIRA, AMARILDO, US
[72] MUTALIK, VENKATESH G., US
[73] ARRIS ENTERPRISES LLC, US
[85] 2017-03-30
[86] 2015-09-15 (PCT/US2015/050187)
[87] (WO2016/053618)
[30] US (14/503,813) 2014-10-01

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[11] **2,963,506**
[13] C

[51] **Int.Cl. F16C 27/02 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01) F16C 23/04 (2006.01) F16C 33/08 (2006.01)**

[25] EN

[54] **BEARING**

[54] **PALIER**

[72] MOOK, JOSHUA TYLER, US

[72] ERTAS, BUGRA HAN, US

[72] BELLARDI, JASON JOSEPH, US

[73] GENERAL ELECTRIC COMPANY, US

[86] (2963506)

[87] (2963506)

[22] 2017-04-06

[30] US (15/131,136) 2016-04-18

[11] **2,963,841**
[13] C

[51] **Int.Cl. H03M 13/11 (2006.01)**

[25] EN

[54] **LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 2/15, AND LOW DENISTY PARITY CHECK ENCODING METHOD USING THE SAME**

[54] **CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 BITS ET UN TAUX DE CODE DE 2/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR**

[72] PARK, SUNG-IK, KR

[72] KIM, HEUNG-MOOK, KR

[72] KWON, SUN-HYOUNG, KR

[72] HUR, NAM-HO, KR

[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR

[86] (2963841)

[87] (2963841)

[22] 2014-09-25

[62] 2,864,650

[30] KR (10-2014-0106178) 2014-08-14

[30] KR (10-2014-0120012) 2014-09-11

[11] **2,963,972**
[13] C

[51] **Int.Cl. C10G 67/14 (2006.01)**

[25] EN

[54] **PROCESS TO UPGRADE PARTIALLY CONVERTED VACUUM RESIDUA**

[54] **PROCEDE POUR VALORISER DES RESIDUS SOUS VIDE PARTIELLEMENT CONVERTIS**

[72] MUKHERJEE, UJJAL K., US

[72] BALDASSARI, MARIO C., US

[72] GREENE, MARVIN I., US

[73] LUMMUS TECHNOLOGY INC., US

[85] 2017-04-06

[86] 2015-10-27 (PCT/US2015/057511)

[87] (WO2016/081165)

[30] US (14/550,384) 2014-11-21

[11] **2,964,137**
[13] C

[51] **Int.Cl. C11D 17/04 (2006.01) B65D 30/02 (2006.01) B65D 81/00 (2006.01) C11D 17/08 (2006.01)**

[25] EN

[54] **CONTAINER SYSTEMS WITH WATER-SOLUBLE POUCHES**

[54] **SYSTEMES DE CONTENANTS DOTES DE POCHEttes HYDROSOLUBLES**

[72] LABEQUE, REGINE, BE

[72] COURCHAY, FLORENCE CATHERINE, BE

[72] KEULEERS, ROBBY RENILDE FRANCOIS, BE

[72] DEPOOT, KAREL JOZEF MARIA, BE

[72] DENUTTE, HUGO ROBERT GERMAIN, US

[72] FRIEDRICH, STEVEN GEORGE, US

[73] THE PROCTER & GAMBLE COMPANY, US

[86] (2964137)

[87] (2964137)

[22] 2017-04-13

[30] US (62/321,962) 2016-04-13

[11] **2,964,228**
[13] C

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/00 (2012.01) E21B 47/02 (2006.01) E21B 47/09 (2012.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR MODELING AN ADVANCED 3-DIMENSIONAL BOTTOMHOLE ASSEMBLY**

[54] **PROCEDES ET SYSTEMES POUR LA MODELISATION D'UN ENSEMBLE DE FOND DE TROU TRIDIMENSIONNEL DE POINTE**

[72] SAMUEL, ROBELLO, US

[72] SUN, CILI, US

[72] KOZAK, ALP, US

[72] FUNG, ALFRED, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2017-04-10

[86] 2014-12-31 (PCT/US2014/072925)

[87] (WO2016/108866)

[11] **2,964,582**
[13] C

[51] **Int.Cl. B62D 53/08 (2006.01)**

[25] EN

[54] **AIR SPRING ACTUATED SLIDER FOR SEMI-TRAILER**

[54] **COULISSE ACTIONNEE PAR UN RESSORT A AIR DESTINEE A UNE SEMI-REMORQUE**

[72] WALL, KENNETH, US

[72] OCHSE, MICHAEL GUSTAVE, US

[73] REYCO GRANNING, LLC, US

[86] (2964582)

[87] (2964582)

[22] 2017-04-18

[30] US (15/195,709) 2016-06-28

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[11] **2,964,653**
[13] C

[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/04 (2006.01) F01D 25/16 (2006.01) F16C 35/077 (2006.01)**

[25] EN

[54] **BEARING DAMPER WITH EXTERNAL SUPPORT SPRING SYSTEMS AND METHODS**

[54] **SUPPORT AMORTISSEUR DOTE DE DISPOSITIFS DE RESSORT DE SUPPORT EXTERNE ET METHODES**

[72] ERTAS, BUGRA HAN, US
[72] SNOW, KYLE ROBERT, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2964653)
[87] (2964653)
[22] 2017-04-20
[30] US (15/147,706) 2016-05-05

[11] **2,964,877**
[13] C

[51] **Int.Cl. E21B 37/06 (2006.01) C09K 8/52 (2006.01)**

[25] EN

[54] **CATIONIC SURFACTANTS FOR SCALE INHIBITOR SQUEEZE APPLICATIONS**

[54] **TENSIOACTIFS CATIONIQUES POUR DES APPLICATIONS D'ESQUICHE ANTI-TARTRE**

[72] YUE, ZHIWEI, US
[72] ZHAO, FUNIAN, US
[72] PENG, YANG, US
[72] QU, LIANGWEI, US
[73] FAN, CHUNFANG, US
[73] MULTI-CHEM GROUP, LLC, US
[85] 2017-04-18
[86] 2014-12-22 (PCT/US2014/071866)
[87] (WO2016/105339)

[11] **2,965,181**
[13] C

[51] **Int.Cl. A61F 5/02 (2006.01)**

[25] EN

[54] **LOWER BACK PAIN TREATMENT AND SPINAL PROTECTION DEVICE**

[54] **TRAITEMENT DE LA DOULEUR LOMBAIRE ET DISPOSITIF DE PROTECTION DE LA COLONNE VERTEBRALE**

[72] DUDKIEWICZ, DARIUSZ, US
[72] DUDKIEWICZ, ROSALIE, US
[73] DUDKIEWICZ, DARIUSZ, US
[73] DUDKIEWICZ, ROSALIE, US
[85] 2017-04-19
[86] 2015-10-22 (PCT/US2015/056916)
[87] (WO2016/065147)
[30] US (62/122,467) 2014-10-22
[30] US (14/615,841) 2015-02-06

[11] **2,964,812**
[13] C

[51] **Int.Cl. A62D 3/38 (2007.01)**

[25] EN

[54] **CATALYST AND PROCESS FOR TREATMENT OF FLUID COMPRISING AN OXIDIZABLE CONTAMINANT**

[54] **CATALYSEUR ET PROCEDE DE TRAITEMENT DE FLUIDE CONTRENTANT UN CONTAMINANT OXYDABLE**

[72] SAFARZDEH-AMIRI, ALI, CA
[73] TROJAN TECHNOLOGIES, CA
[85] 2017-04-18
[86] 2015-10-16 (PCT/CA2015/051042)
[87] (WO2016/058103)
[30] US (62/122,324) 2014-10-17

[11] **2,965,065**
[13] C

[51] **Int.Cl. B07B 1/22 (2006.01) B03B 9/02 (2006.01) B07B 1/46 (2006.01)**

[25] EN

[54] **PROCESSING EQUIPMENT INCLUDING IMPROVED SCREEN HOLE OPENING CONSTRUCTIONS**

[54] **MATERIEL DE TRAITEMENT MUNI D'UN DISPOSITIF DE CRIBLAGE AMELIORE**

[72] CHAPPLE, DALLAS, CA
[72] SIMONUTTI, ERMANNIO, US
[73] ESCO GROUP LLC, US
[86] (2965065)
[87] (2965065)
[22] 2010-01-06
[62] 2,689,771
[30] US (61/142,805) 2009-01-06

[11] **2,965,333**
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/002 (2012.01) G01N 21/17 (2006.01) G01V 3/18 (2006.01)**

[25] EN

[54] **BACKSCATTERING SPECTROMETRY FOR DETERMINING A CONCENTRATION OF SOLIDS IN A SOLIDS-LADEN FLUID**

[54] **SPECTROMETRIE DE RETRODIFFUSION POUR DETERMINER UNE CONCENTRATION DE SOLIDES DANS UN FLUIDE CHARGE DE SOLIDES**

[72] YE, XIANGNAN, US
[72] JAMISON, DALE E., US
[72] MCDANIEL, CATO RUSSELL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-04-20
[86] 2014-11-24 (PCT/US2014/067096)
[87] (WO2016/085447)

[11] **2,965,124**
[13] C

[51] **Int.Cl. B25B 27/10 (2006.01) F16L 37/091 (2006.01)**

[25] EN

[54] **PUSH-TO-CONNECT FITTING REMOVAL TOOL**

[54] **OUTIL DE RETRAIT D'UN RACCORD EMBOITE**

[72] YONTZ, PHILLIP T., US
[72] ZHANG, LEI, US
[72] POLOFSKY, JEFFREY A., US
[73] CONBRACO INDUSTRIES, INC., US
[86] (2965124)
[87] (2965124)
[22] 2017-04-25
[30] US (15/459,418) 2017-03-15

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[11] **2,965,622**
[13] C

[51] **Int.Cl. E21B 47/107 (2012.01) E21B 33/03 (2006.01) E21B 33/06 (2006.01)**
[25] EN
[54] **BLOWOUT RATE CORRECTION METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE CORRECTION DE DEBIT D'ERUPTION**
[72] HAGHSHENAS, ARASH, US
[72] HESS, JOE E., US
[72] CUTHBERT, ANDREW JOHN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-04-24
[86] 2014-12-18 (PCT/US2014/071116)
[87] (WO2016/099506)

[11] **2,966,524**
[13] C

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[25] EN
[54] **GAS SENSOR AND GAS-MEASURING DEVICE FOR DETECTING VOLATILE ORGANIC COMPOUNDS**
[54] **CAPTEUR DE GAZ ET APPAREIL DE MESURE DE GAZ POUR DECELER DES COMPOSES ORGANIQUES VOLATILES**
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[72] LEHMANN, STEFAN, DE
[73] DRAGER SAFETY AG & CO. KGAA, DE
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[54] **SAFETY MODULE FOR INSERTION NEEDLE**
[54] **MODULE DE SECURITE DESTINE A UNE AIGUILLE D'INSERTION**
[72] HWANG, CHARLES, US
[72] SONDEREGGER, RALPH, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2966749)
[87] (2966749)
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[30] US (62/335,032) 2016-05-11

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[25] EN
[54] **COLOR DISPLAY DEVICE**
[54] **ECRAN COULEUR**
[72] LIN, CRAIG, US
[72] CHANG, MING-JEN, US
[73] E INK CALIFORNIA, LLC, US
[85] 2017-05-05
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[25] EN
[54] **ROLLED STEEL BAR OR ROLLED WIRE ROD FOR COLD-FORGED COMPONENT**
[54] **BARRE D'ACIER LAMINE OU MATERIAU LAMINE FILAIRE POUR ELEMENT FORGE A FROID**
[72] MATSUI, NAOKI, JP
[72] NEISHI, YUTAKA, JP
[72] CHIDA, TETSUSHI, JP
[72] OBATA, AKIHISA, JP
[72] HORI, SHOJI, JP
[72] CHIBA, KEISUKE, JP
[73] NIPPON STEEL CORPORATION, JP
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[25] EN
[54] **PAINT ROLLER AND PAINT ROLLER ASSEMBLY INCLUDING A PAINT ROLLER AND A PAINT ROLLER SLEEVE**
[54] **ROULEAU A PEINTURE ET ENSEMBLE DE ROULEAU A PEINTURE COMPORTANT UN ROULEAU A PEINTURE ET UN MANCHON DE ROULEAU A PEINTURE**
[72] GEORGIOU, ROGIROS PAVLOU, GR
[73] GEORGIOU, ROGIROS PAVLOU, GR
[86] (2967376)
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[22] 2017-05-16
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[54] **LIBRARIES OF GENETIC PACKAGES COMPRISING NOVEL HC CDR1, CDR2, AND CDR3 AND NOVEL LC CDR1, CDR2, AND CDR3 DESIGNS**
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[73] DYAX CORP., US
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[54] **SEPARATEUR CENTRIFUGE**
[72] ELIASSON, THOMAS, SE
[72] FONSER, PER, SE
[73] ALFA LAVAL CORPORATE AB, SE
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[25] EN
[54] **METHOD AND SIGNAL PROCESSING UNIT FOR MAPPING A PLURALITY OF INPUT CHANNELS OF AN INPUT CHANNEL CONFIGURATION TO OUTPUT CHANNELS OF AN OUTPUT CHANNEL CONFIGURATION**
[54] **PROCEDE ET UNITE DE TRAITEMENT DE SIGNAUX PERMETTANT DE REALISER UNE MISE EN CORRESPONDANCE ENTRE UNE PLURALITE DE CANAUX D'ENTREE D'UNE CONFIGURATION DE CANAUX D'ENTREE ET DES CANAUX DE SORTIE D'UNE CONFIGURATION DE CANAUX DE SORTIE**
[72] HERRE, JURGEN, DE
[72] KUCH, FABIAN, DE
[72] KRATSCHEMER, MICHAEL, DE
[72] KUNTZ, ACHIM, DE
[72] FALLER, CHRISTOPH, CH
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] EN
[54] **APPARATUS AND METHOD FOR INNER CASING STRING WINDOW MILLING AND OUTER CASING CEMENT SHEATH REMOVAL**
[54] **APPAREIL ET PROCEDE DE FRAISAGE DE FENETRE DE COLONNE DE TUBAGE INTERIEUR ET ENLEVEMENT DE FOURREAU EN CIMENT DE GAINE EXTERIEURE**
[72] RUTTLEY, DAVID J., US
[73] ABRADO, INC., US
[85] 2017-05-24
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[25] EN
[54] **DRAINING DEVICE FOR A WET CLEANING APPARATUS AND PREASSEMBLED UNIT INCLUDING THE DRAINING DEVICE**
[54] **DISPOSITIF D'EVACUATION DESTINE A UN APPAREIL DE NETTOYAGE HUMIDE ET MODULE PREASSEMBLE COMPORTANT LE DISPOSITIF D'EVACUATION**
[72] DINGERT, UWE, DE
[73] CARL FREUDENBERG KG, DE
[85] 2017-05-26
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[87] (WO2016/083281)
[30] DE (10 2014 017 559.6) 2014-11-28

[11] **2,969,048**
[13] C

[51] **Int.Cl. H05B 3/84 (2006.01)**
[25] EN
[54] **TRANSPARENT PANE WITH AN ELECTRICAL HEATING LAYER AND PRODUCTION METHOD THEREFOR**
[54] **PANNEAU TRANSPARENT DOTE D'UNE COUCHE CHAUFFANTE ELECTRIQUE ET METHODE DE PRODUCTION ASSOCIEE**
[72] SCHALL, GUNTHER, DE
[72] SCHULZ, VALENTIN, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-05-26
[86] 2015-12-10 (PCT/EP2015/079223)
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[54] **METHOD FOR PRODUCING A PLASTIC VEHICLE ATTACHMENT PART**
[54] **PROCEDE DE FABRICATION D'UNE PIECE RAPPORTEE DE VEHICULE EN MATIERE PLASTIQUE**
[72] BENYAHIA, RYM, DE
[72] FOURNIER, NICOLAS, FR
[72] WEISSENBERGER, UWE, DE
[72] ACQUARONE, MATIAS, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
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[25] EN
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[54] **VITRE LATERALE FEUILLETEE CHAUFFANTE**
[72] KLEIN, MARCEL, DE
[72] KREBS, BENJAMIN, DE
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2017-05-31
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[13] C

[51] **Int.Cl. G01B 11/25 (2006.01) G01B 11/245 (2006.01)**
[25] EN
[54] **DEFECT INSPECTION METHOD AND APPARATUS THEREFOR**
[54] **METHODE D'INSPECTION DE DEFECTUOSITE ET APPAREIL ASSOCIE**
[72] MATSUMOTO, JUNICHI, JP
[73] HONDA MOTOR CO., LTD., JP
[86] (2969834)
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[22] 2017-06-06
[30] JP (2016-115641) 2016-06-09

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[54] **ROOF PAVER LOCKING SYSTEM**
[54] **SYSTEME DE VERROUILLAGE DE DALLE DE TOIT**
[72] ESSIG, DANIEL, US
[73] ESSIG, DANIEL, US
[85] 2017-06-08
[86] 2015-12-08 (PCT/US2015/064568)
[87] (WO2016/094453)
[30] US (62/089,400) 2014-12-09

[11] **2,969,707**
[13] C

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[25] EN
[54] **METHODS FOR DEVELOPMENT AND USE OF MINIMALLY POLARIZED FUNCTION CELL MICRO-AGGREGATE UNITS IN TISSUE APPLICATIONS USING LGR4, LGR5 AND LGR6 EXPRESSING EPITHELIAL STEM CELLS**
[54] **PROCEDES POUR LA MISE AU POINT ET L'UTILISATION D'UNITES DE MICRO-AGREGATS CELLULAIRES FONCTIONNELS POLARISES DE MANIERE MINIMALE DANS DES APPLICATIONS TISSULAIRES A L'AIDE DE CELLULES SOUCHES EPITHELIALES EXPRIMANT LGR4, LGR5 ET LGR6**
[72] LOUGH, DENVER M., US
[73] POLARITYTE, INC., US
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[86] 2015-12-01 (PCT/US2015/063114)
[87] (WO2016/089825)
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[13] C

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[25] EN
[54] **POLYTHIOETHER SEALANTS WITH EXTENDED WORKING TIME**
[54] **MATERIAUX D'ETANCHEITE A BASE DE POLYTHIOETHER A TEMPS DE TRAVAIL PROLONGE**
[72] CAI, JUOXIAO, US
[72] LIN, RENHE, US
[73] PRC-DESOTO INTERNATIONAL, INC., US
[85] 2017-06-05
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[13] C

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[54] **SYSTEME DE DESCRIPTION DE MODE DE VOYAGE EN LANGUE NATURELLE**
[72] HENDERSON, GEORGE R., GB
[73] GE AVIATION SYSTEMS LIMITED, GB
[86] (2971028)
[87] (2971028)
[22] 2017-06-14
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[11] **2,970,228**
[13] C

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[25] EN
[54] **OVERFLOW CAP AND ASSEMBLY**
[54] **CAPUCHON DE TROP-PLEIN ET MECANISME**
[72] HUMBER, JEFFREY A., US
[72] WHITEHEAD, JAMES H., US
[73] IPS CORPORATION, US
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[22] 2017-06-09
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[54] **IMMUNOMODULATION BY CONTROLLING ELR+ PROINFLAMMATORY CHEMOKINE LEVELS WITH THE LONG NON-CODING RNA UMLILO**

[54] **IMMUNOMODULATION PAR CONTROLE DES TAUX DE CHIMIOKINES PRO-INFLAMMATOIRES ELR+ AU MOYEN DU LONG ARN NON CODANT UMLILO**

[72] DALLA, EMILIANO, IT
[72] MHLANGA, MUSA M, ZA
[72] FANUCCHI, STEPHANIE, ZA
[72] SHIBAYAMA, YOUTARO, ZA
[73] CSIR, ZA
[85] 2017-06-15
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[54] **SCALING FOR GAIN SHAPE CIRCUITRY**

[54] **MISE A L'ECHELLE POUR CIRCUITERIE DE FORME DE GAIN**

[72] CHEBIYYAM, VENKATA SUBRAHMANYAM CHANDRA SEKHAR, US
[72] ATTI, VENKATRAMAN S., US
[73] QUALCOMM INCORPORATED, US
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[11] **2,972,188**
[13] C

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[54] **FUEL CELL MODULE**

[54] **MODULE DE PILE A COMBUSTIBLE**

[72] MATSUNO, TAKESHI, JP
[73] TOSHIBA ENERGY SYSTEMS & SOLUTIONS CORPORATION, JP
[73] KABUSHIKI KAISHA TOSHIBA, JP
[86] (2972188)
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[30] JP (2016-190134) 2016-09-28
[30] JP (2017-102853) 2017-05-24

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[13] C

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[54] **FIXATION MECHANISM FOR AN IMPLANT**

[54] **MECANISME DE FIXATION POUR UN IMPLANT**

[72] HARRIS, JR. BRIAN R., US
[73] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2017-06-29
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[87] (WO2016/112092)
[30] US (62/100,695) 2015-01-07

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[13] C

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[25] EN

[54] **ENCAPSULATED SPLICE CHUCK**

[54] **AMORTISSEUR D'EPISSURE ENCAPSULE**

[72] SORKIN, FELIX, US
[73] SORKIN, FELIX, US
[86] (2973493)
[87] (2973493)
[22] 2017-07-13
[30] US (62/362,285) 2016-07-14

[11] **2,973,809**
[13] C

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[25] EN

[54] **GARMENT WITH ANATOMICAL BELT FOR THE LOWER BODY**

[54] **VETEMENT AVEC CEINTURE ANATOMIQUE POUR LE CORPS INFÉRIEUR**

[72] VIAU, NICOLAS, FR
[72] MASSOTTE, LAURENT, FR
[72] FORESTIER, PASCAL, FR
[73] HANES OPERATIONS EUROPE SAS, FR
[85] 2017-07-13
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[11] **2,973,841**
[13] C

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[25] EN

[54] **APPARATUS, METHOD AND COMPUTER PROGRAM FOR DECODING AN ENCODED AUDIO SIGNAL**

[54] **APPAREIL, METHODE ET PROGRAMME INFORMATIQUE DE DECODAGE D'UN SIGNAL AUDIO CODE**

[72] DISCH, SASCHA, DE
[72] GEIGER, RALF, DE
[72] HELMRICH, CHRISTIAN, DE
[72] NAGEL, FREDERIK, DE
[72] NEUKAM, CHRISTIAN, DE
[72] FISCHER, MICHAEL, DE
[72] SCHMIDT, KONSTANTIN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[87] (2973841)
[22] 2014-07-15
[62] 2,918,810
[30] EP (13177346.7) 2013-07-22
[30] EP (13177348.3) 2013-07-22
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[54] **VIRUS INACTIVATING SHEET**
[54] **FEUILLE D'INACTIVATION VIRALE**

[72] JIKIHARA, YOUHEI, JP
[72] SATO, TETSUYA, JP
[72] FUKUI, YOKO, JP
[72] NAKAYAMA, TSURUO, JP
[72] FUJIMORI, YOSHIE, JP
[73] NBC MESHTEC, INC., JP
[86] (2974025)
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[22] 2010-10-04
[62] 2,776,363
[30] JP (2009-230946) 2009-10-02

[11] **2,974,878**
[13] C

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[25] EN
[54] **PROCESS FOR PRODUCING HETEROPHASIC COPOLYMERS OF PROPYLENE**
[54] **PROCEDE DE PRODUCTION DE COPOLYMERES DE PROPYLENE HETEROPHASIQUES**

[72] LESKINEN, PAULI, FI
[72] LILJA, JOHANNA, FI
[72] WANG, JINGBO, AT
[72] GAHLEITNER, MARKUS, AT
[73] BOREALIS AG, AT
[85] 2017-07-25
[86] 2016-02-18 (PCT/EP2016/053430)
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[30] EP (15155854.1) 2015-02-20

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[13] C

[51] **Int.Cl. H01M 4/86 (2006.01) H01M 4/96 (2006.01) H01M 8/10 (2016.01)**

[25] EN
[54] **CATALYST-CARRIER CARBON MATERIAL, SOLID-POLYMER FUEL CELL CATALYST, SOLID-POLYMER FUEL CELL, AND METHOD FOR MANUFACTURING CATALYST-CARRIER CARBON MATERIAL**
[54] **MATERIAU CARBONE SUPPORT DE CATALYSEUR, CATALYSEUR DE PILE A COMBUSTIBLE A POLYMERE SOLIDE, PILE A COMBUSTIBLE A POLYMERE SOLIDE, ET PROCEDE DE FABRICATION DE MATERIAU CARBONE SUPPORT DE CATALYSEUR**

[72] IIJIMA, TAKASHI, JP
[72] NEGI, NORIYUKI, JP
[72] HIYOSHI, MASATAKA, JP
[72] MATSUMOTO, KATSUMASA, JP
[72] FURUKAWA, SHINYA, JP
[72] TADOKORO, KENICHIRO, JP
[72] NISHIMOTO, TAKUMI, JP
[72] HAYASHIDA, HIROYUKI, JP
[72] KOUNO, TAKUMI, JP
[72] MIZUUCHI, KAZUHIKO, JP
[73] NIPPON STEEL CHEMICAL & MATERIAL CO., LTD., JP
[73] NIPPON STEEL CORPORATION, JP
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[86] 2016-02-17 (PCT/JP2016/054609)
[87] (WO2016/133132)
[30] JP (2015-029451) 2015-02-18
[30] JP (2015-148565) 2015-07-28
[30] JP (2015-148566) 2015-07-28
[30] JP (2015-148567) 2015-07-28
[30] JP (2015-216404) 2015-11-04
[30] JP (2015-246394) 2015-12-17

[11] **2,977,270**
[13] C

[51] **Int.Cl. E01B 29/24 (2006.01)**

[25] EN
[54] **MAGNETIC SINGULATOR FOR BULK RAIL FASTENERS**
[54] **SEPARATEUR MAGNETIQUE DESTINE A DES DISPOSITIFS DE FIXATION DE RAIL EN VRAC**

[72] PAYAN, JULIO ENRIQUE, US
[72] STRYDOM, PHILIP, US
[73] NORDCO INC., US
[86] (2977270)
[87] (2977270)
[22] 2017-08-25
[30] US (15/352,013) 2016-11-15

[11] **2,977,293**
[13] C

[51] **Int.Cl. A01G 25/16 (2006.01) A01G 25/00 (2006.01)**

[25] EN
[54] **SIMPLIFIED INTERFACE AND OPERATION IN A WATERING SYSTEM**
[54] **INTERFACE SIMPLIFIEE ET OPERATION DANS UN SYSTEME D'ARROSAGE**

[72] GILLIAM, SONJA, DE
[72] KELLER, STEFAN, DE
[72] KIENZLE, CHRISTIAN, DE
[72] SCHABEL, THOMAS, DE
[72] WEISER, SANDRA, DE
[73] HUSQVARNA AB, SE
[85] 2017-08-21
[86] 2015-04-10 (PCT/EP2015/057846)
[87] (WO2016/162086)

[11] **2,977,667**
[13] C

[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/5415 (2006.01) A61P 25/28 (2006.01)**

[25] EN
[54] **AMINOTHIAZINE COMPOUNDS USEFUL AS SELECTIVE BACE1 INHIBITORS**
[54] **COMPOSES D'AMINOTHIAZINE UTILES COMME INHIBITEURS SELECTIFS DE BACE1**

[72] SANDERSON, ADAM JAN, US
[73] ELI LILLY AND COMPANY, US
[85] 2017-08-01
[86] 2016-03-11 (PCT/US2016/021901)
[87] (WO2016/149057)
[30] US (62/135,270) 2015-03-19

[11] **2,977,831**
[13] C

[51] **Int.Cl. B66F 3/08 (2006.01) B60S 9/00 (2006.01)**

[25] EN
[54] **JACK SYSTEM**
[54] **SYSTEME DE VERIN**

[72] KAMPHUIS, DWAIN L., US
[72] WOLTJER, LUKAS T., US
[73] K-LINE INDUSTRIES, INC., US
[85] 2017-08-24
[86] 2016-03-24 (PCT/US2016/024031)
[87] (WO2016/154446)
[30] US (62/137,929) 2015-03-25
[30] US (14/997,676) 2016-01-18

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[11] **2,978,296**
[13] C

[51] **Int.Cl. E21B 44/04 (2006.01) E21B 12/00 (2006.01) E21B 44/00 (2006.01) F16F 15/00 (2006.01) G05D 17/02 (2006.01)**

[25] EN

[54] **STICK-SLIP MITIGATION ON DIRECT DRIVE TOP DRIVE SYSTEMS**

[54] **ATTENUATION DE GLISSEMENT SACCADÉ SUR LES SYSTÈMES D'ENTRAÎNEMENT SUPÉRIEUR A ENTRAÎNEMENT DIRECT**

[72] PATTERSON, JOHN, US
[72] WHATLEY, MICHAEL, US
[72] YOUSEF, FAISAL, US
[72] HADI, MAHMOUD, US
[73] NABORS DRILLING TECHNOLOGIES USA, INC., US

[86] (2978296)
[87] (2978296)
[22] 2017-09-05
[30] US (15/264,171) 2016-09-13

[11] **2,978,510**
[13] C

[51] **Int.Cl. F16D 69/04 (2006.01) F16D 65/08 (2006.01) F16D 69/02 (2006.01)**

[25] EN

[54] **METHOD FOR APPLYING SAND TO DRUM BRAKE LININGS**

[54] **PROCEDE D'APPLICATION DE SABLE SUR DES GARNITURES DE FREIN A TAMBOUR**

[72] ROHRBERG, BERND, DE
[72] ROTHMANN, WERNER, DE
[72] WAPPLER, DIETER, DE
[72] MAUS, DOMINIK, DE
[73] TMD FRICTION SERVICES GMBH, DE

[85] 2017-09-01
[86] 2016-05-24 (PCT/EP2016/061645)
[87] (WO2016/193056)
[30] DE (10 2015 108 770.7) 2015-06-03

[11] **2,978,914**
[13] C

[51] **Int.Cl. G02B 6/44 (2006.01)**

[25] EN

[54] **OPTICAL FIBER UNIT AND OPTICAL FIBER CABLE**

[54] **UNITE DE FIBRE OPTIQUE ET CABLE A FIBRE OPTIQUE**

[72] TAKEDA, DAIKI, JP
[72] OKADA, NAOKI, JP
[72] YAMANAKA, MASAYOSHI, JP
[72] OSATO, KEN, JP
[72] KAJI, TOMOAKI, JP
[73] FUJIKURA LTD., JP

[85] 2017-09-06
[86] 2016-03-09 (PCT/JP2016/057329)
[87] (WO2016/189922)
[30] JP (2015-106598) 2015-05-26

[11] **2,978,939**
[13] C

[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/26 (2006.01) C02F 1/32 (2006.01) H05B 41/38 (2006.01)**

[25] EN

[54] **A CONTROL ALGORITHM FOR AN ELECTRONIC DIMMING BALLAST OF A UV LAMP**

[54] **UN ALGORITHME DE CONTROLE D'UN BALLAST DE GRADATEUR ELECTRONIQUE DESTINE A UNE LAMPE UV**

[72] FIETZEK, REINER, DE
[72] RIEPE, DIRK, DE
[73] XYLEM IP MANAGEMENT S.A.R.L., LU

[86] (2978939)
[87] (2978939)
[22] 2017-09-12
[30] EP (16188575.1) 2016-09-13

[11] **2,978,967**
[13] C

[51] **Int.Cl. H02J 1/00 (2006.01) B61B 7/00 (2006.01) B61B 12/00 (2006.01) H02J 15/00 (2006.01) H02M 1/00 (2007.10) H02M 7/04 (2006.01)**

[25] EN

[54] **SYSTEM FOR SUPPLYING AT LEAST ONE ELECTRICAL LOAD OR ENERGY STORE WITH DIRECT CURRENT**

[54] **INSTALLATION POUR ALIMENTER AU MOINS UN CONSOMMATEUR ELECTRIQUE OU AU MOINS UN ACCUMULATEUR D'ENERGIE EN COURANT CONTINU**

[72] LUGER, PETER, AT
[73] INNOVA PATENT GMBH, AT

[85] 2017-09-07
[86] 2016-01-14 (PCT/AT2016/000002)
[87] (WO2016/145463)
[30] AT (A 158/2015) 2015-03-19

[11] **2,979,186**
[13] C

[51] **Int.Cl. H03H 7/00 (2006.01) H02M 1/00 (2007.10) H02M 7/04 (2006.01) H02M 7/44 (2006.01)**

[25] EN

[54] **DAMPER AND AN ELECTRICAL ENERGY CONVERTING DEVICE USING THE SAME**

[54] **ATTENUATEUR ET DISPOSITIF DE CONVERSION D'ENERGIE ELECTRIQUE EMPLOYANT LEDIT ATTENUATEUR**

[72] HSU, FU-TZU, TW
[73] HSU, FU-TZU, TW
[73] TU, CHIEH-SEN, TW

[86] (2979186)
[87] (2979186)
[22] 2017-09-14
[30] TW (105133647) 2016-10-19

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[11] **2,979,258**
[13] C

[51] **Int.Cl. B07C 1/02 (2006.01) B07C 5/02 (2006.01) B65G 47/34 (2006.01) B65G 47/74 (2006.01) B65G 65/00 (2006.01)**

[25] EN
[54] **CASCADE DE-LAYERING**
[54] **DESEMPELEMENT CASCADE**

[72] DWIVEDI, RAJEEV, US
[72] YAKLIN, MICHAEL, US
[73] SIEMENS INDUSTRY, INC., US
[86] (2979258)
[87] (2979258)
[22] 2017-09-14
[30] US (62/395,626) 2016-09-16
[30] US (62/432,860) 2016-12-12
[30] US (15/701,824) 2017-09-12

[11] **2,980,427**
[13] C

[51] **Int.Cl. B66D 3/14 (2006.01) B66D 3/02 (2006.01) G05G 1/10 (2006.01)**

[25] EN
[54] **LIFTING GEAR**
[54] **ENGIN DE LEVAGE**

[72] SCHNEEBECK, WOLFRAM, DE
[72] STRUCK, DETLEF, DE
[73] COLUMBUS MCKINNON INDUSTRIAL PRODUCTS GMBH, DE
[85] 2017-09-20
[86] 2016-05-27 (PCT/DE2016/100246)
[87] (WO2016/192713)
[30] DE (20 2015 102 783.4) 2015-05-29

[11] **2,980,804**
[13] C

[51] **Int.Cl. F04B 49/20 (2006.01) F04B 15/02 (2006.01) F04B 17/03 (2006.01) F04B 49/06 (2006.01) F04B 49/10 (2006.01)**

[25] EN
[54] **HIGH PRESSURE FLUID SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE FLUIDE HAUTE-PRESSION**

[72] SMITH, ALAN, GB
[72] WOOD, NIGEL, GB
[73] FINISHING BRANDS UK LTD., GB
[85] 2017-09-25
[86] 2016-03-30 (PCT/GB2016/050884)
[87] (WO2016/156833)
[30] GB (1505551.0) 2015-03-31

[11] **2,981,332**
[13] C

[51] **Int.Cl. B61B 12/00 (2006.01) B61B 11/00 (2006.01) B61B 12/06 (2006.01)**

[25] EN
[54] **DEVICE FOR LOCKING A PIVOTAL PROTECTIVE DEVICE FOR A CHAIRLIFT**

[54] **DISPOSITIF DE BLOCAGE D'UN DISPOSITIF DE PROTECTION PIVOTANT POUR TELESIEGE**

[72] SUTTERLUTY, ANDREAS, AT
[72] FINK, DOMINIK, AT
[73] INNOVA PATENT GMBH, AT
[85] 2017-09-29
[86] 2016-02-29 (PCT/AT2016/000020)
[87] (WO2016/154643)
[30] AT (A201/2015) 2015-04-02

[11] **2,981,681**
[13] C

[51] **Int.Cl. E21B 17/042 (2006.01) C09K 3/10 (2006.01) C10M 171/00 (2006.01) C23C 28/00 (2006.01) F16L 57/00 (2006.01) F16L 58/08 (2006.01)**

[25] EN
[54] **THREADED TUBULAR ELEMENT PROVIDED WITH A METALLIC ANTI-CORROSION AND ANTI-GALLING COATING**

[54] **ELEMENT TUBULAIRE FILETE POURVU D'UN REVETEMENT METALLIQUE ANTI-CORROSION ET ANTI-GRIPPAGE**

[72] VERLEENE, ARNAUD, FR
[72] BAUDIN, NICOLAS, FR
[72] VOGT, CEDRIC, FR
[72] JAAFAR, ADIL, FR
[73] VALLOUREC OIL AND GAS FRANCE, FR
[73] NIPPON STEEL CORPORATION, JP
[85] 2017-10-03
[86] 2016-04-21 (PCT/EP2016/058847)
[87] (WO2016/170031)
[30] FR (15/53661) 2015-04-23

[11] **2,981,934**
[13] C

[51] **Int.Cl. E21B 33/128 (2006.01) E21B 33/12 (2006.01) E21B 34/06 (2006.01)**

[25] EN
[54] **PACKING ELEMENT BACK-UP SYSTEM INCORPORATING IRIS MECHANISM**

[54] **SYSTEME DE BLOCAGE D'ELEMENT DE GARNITURE D'ETANCHEITE INCORPORANT UN MECANISME A IRIS**

[72] MACDONALD, LORN SCOTT, GB
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-05
[86] 2015-05-29 (PCT/US2015/033174)
[87] (WO2016/195626)

[11] **2,982,200**
[13] C

[51] **Int.Cl. C07H 15/26 (2006.01) A61K 31/7048 (2006.01) A61P 29/00 (2006.01) A61P 31/16 (2006.01) C07H 1/08 (2006.01)**

[25] EN
[54] **PHILLYGENIN GLUCURONIC ACID DERIVATIVE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF**

[54] **DERIVE D'ACIDE PHILLYGENINE GLUCURONIQUE, SON PROCEDE DE PREPARATION ET SON APPLICATION**

[72] FU, LI, CN
[72] FAN, HONGYU, CN
[72] JIANG, RENWU, CN
[72] ZHANG, YU, CN
[72] WANG, KAIQIAN, CN
[72] LIU, ZHENGXIAN, CN
[73] FU, LI, CN
[85] 2017-10-10
[86] 2016-04-07 (PCT/CN2016/078688)
[87] (WO2016/161951)
[30] CN (201510164294.6) 2015-04-08

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[11] **2,982,343**
[13] C

[51] **Int.Cl. B65B 11/04 (2006.01) B65B 11/00 (2006.01) B65B 11/02 (2006.01) B65B 57/04 (2006.01)**

[25] EN

[54] **STRETCH WRAPPING MACHINE SUPPORTING TOP LAYER CONTAINMENT OPERATIONS**

[54] **MACHINE D'EMBALLAGE SOUS FILM ETIRABLE PERMETTANT DES OPERATIONS DE CONFINEMENT DE COUCHE SUPERIEURE**

[72] LANCASTER, PATRICK R., III, US

[72] MITCHELL, MICHAEL P., US

[72] JOHNSON, RICHARD L., US

[73] LANTECH.COM, LLC, US

[85] 2017-10-10

[86] 2016-04-08 (PCT/US2016/026723)

[87] (WO2016/164776)

[30] US (62/145,789) 2015-04-10

[30] US (62/232,906) 2015-09-25

[11] **2,982,384**
[13] C

[51] **Int.Cl. B31B 70/26 (2017.01) B31B 70/14 (2017.01) B31B 70/62 (2017.01) B31B 70/64 (2017.01)**

[25] EN

[54] **DEVICE AND METHOD FOR PRODUCING FOLDING BOXES**

[54] **DISPOSITIF ET PROCEDE DE FABRICATION DE BOITES PLIANTES**

[72] THEIS, UWE, DE

[72] KOLLMANN, JURGEN, DE

[73] MAYR-MELNHOF KARTON AG, AT

[85] 2017-10-11

[86] 2016-04-14 (PCT/EP2016/058227)

[87] (WO2016/166211)

[30] EP (15163514.1) 2015-04-14

[11] **2,982,513**
[13] C

[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/00 (2006.01) B06B 1/00 (2006.01)**

[25] EN

[54] **TORSIONAL MODE NEEDLE FOR PHACOEMULSIFICATION**

[54] **AIGUILLE EN MODE TORSION POUR PHACOEMULSIFICATION**

[72] CLAYTON, LARRY, US

[73] MOOG INC., US

[85] 2017-10-12

[86] 2016-04-09 (PCT/US2016/026839)

[87] (WO2016/168094)

[30] US (14/687,466) 2015-04-15

[11] **2,982,724**
[13] C

[51] **Int.Cl. B02C 9/00 (2006.01) B02C 11/00 (2006.01)**

[25] EN

[54] **COMMUNUTING PLANT WITH A COMMUNUTING MACHINE**

[54] **FRAGMENTATION D'UN VEGETAL AU MOYEN D'UNE MACHINE DE FRAGMENTATION**

[72] NEUFELDT, PATRICK, DE

[72] NOWAK, STEFFEN, DE

[72] NITZSCHNER, MARTIN, DE

[73] TAKRAF GMBH, DE

[86] (2982724)

[87] (2982724)

[22] 2017-10-17

[30] DE (10 2016 221 663.5) 2016-11-04

[11] **2,982,978**
[13] C

[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/686 (2018.01) C12Q 1/6876 (2018.01)**

[25] EN

[54] **METHOD TO DETECT FETAL DNA IN A SAMPLE BY DETECTING METHYLATED DAB2IP DNA SEQUENCE**

[54] **METHODE DE DETECTION D'ADN FOETAL DANS UN ECHANTILLON PAR DETECTION DE LA SEQUENCE D'ADN DAB2-IP METHYLE**

[72] LO, YUK MING DENNIS, CN

[72] CHIU, ROSSA WAI KWUN, CN

[72] CHIM, STEPHEN SIU CHUNG, CN

[72] DING, CHUNMING, CN

[72] CHAN, KWAN CHEE, CN

[72] WONG, HING NAM IVY, CN

[72] YUEN, KA CHUN RYAN, CN

[73] THE CHINESE UNIVERSITY OF HONG KONG, CN

[73] THE UNIVERSITY OF HONG KONG, CN

[86] (2982978)

[87] (2982978)

[22] 2007-05-03

[62] 2,651,049

[30] US (60/797,506) 2006-05-03

[30] US (11/784,501) 2007-04-06

[11] **2,983,140**
[13] C

[51] **Int.Cl. C10G 25/00 (2006.01)**

[25] EN

[54] **HYDROCARBON SEPARATION AND ANALYSIS APPARATUS AND METHODS**

[54] **SEPARATION D'UN D'HYDROCARBURE ET APPAREIL ET METHODES D'ANALYSE**

[72] SCHABRON, JOHN F., US

[72] BOYSEN, RYAN B., US

[72] KALBERER, ERIC W., US

[72] ROVANI, JOSEPH F., JR., US

[73] UNIVERSITY OF WYOMING RESEARCH CORPORATION D/B/A WESTERN RESEARCH INSTITUTE, US

[86] (2983140)

[87] (2983140)

[22] 2011-11-10

[62] 2,757,919

[30] US (13/237568) 2011-09-20

[11] **2,983,535**
[13] C

[51] **Int.Cl. A61M 25/06 (2006.01) A61M 39/02 (2006.01) A61M 39/06 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PROVIDING A FLUSHABLE CATHETER ASSEMBLY**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR UN ENSEMBLE CATHETER POUVANT ETRE CHASSE**

[72] STOUT, MARTY L., US

[72] HARDING, WESTON F., US

[72] ISAACSON, RAY S., US

[72] MCKINNON, AUSTIN JASON, US

[73] BECTON, DICKINSON AND COMPANY, US

[86] (2983535)

[87] (2983535)

[22] 2010-02-11

[62] 2,752,025

[30] US (61/151,775) 2009-02-11

[30] US (12/544,625) 2009-08-20

[30] US (12/703,336) 2010-02-10

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[11] **2,983,691**
[13] C

[51] **Int.Cl. G02F 2/00 (2006.01) G02B 6/00 (2006.01) G02B 6/125 (2006.01) G02B 6/126 (2006.01)**

[25] EN

[54] **COHERENT OPTICAL MIXER CIRCUIT**

[54] **CIRCUIT MELANGEUR OPTIQUE COHERENT**

[72] KAMEI, SHIN, JP

[72] JIZODO, MAKOTO, JP

[72] FUKUDA, HIROSHI, JP

[72] KIKUCHI, KIYOFUMI, JP

[72] TSUZUKI, KEN, JP

[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP

[85] 2017-10-23

[86] 2016-05-27 (PCT/JP2016/002563)

[87] (WO2016/194349)

[30] JP (2015-110769) 2015-05-29

[11] **2,984,274**
[13] C

[51] **Int.Cl. A61C 17/02 (2006.01) A61C 17/028 (2006.01) A61H 13/00 (2006.01)**

[25] EN

[54] **ORAL IRRIGATOR WITH INTEGRATED LID AND BASE**

[54] **IRRIGATEUR BUCCAL A LEVRE ET BASE INTEGRES**

[72] LUETTGEN, HAROLD A., US

[72] HASZIER, GORDON, US

[72] TAYLOR, KURT M., US

[73] WATER PIK, INC., US

[86] (2984274)

[87] (2984274)

[22] 2014-03-13

[62] 2,904,080

[30] US (13/831,401) 2013-03-14

[30] US (61/897,762) 2013-10-30

[11] **2,985,769**
[13] C

[51] **Int.Cl. C07D 295/185 (2006.01) A61K 31/438 (2006.01) A61K 31/444 (2006.01) A61K 31/445 (2006.01) A61K 31/495 (2006.01) C07D 211/58 (2006.01) C07D 211/60 (2006.01) C07D 211/96 (2006.01) C07D 213/38 (2006.01) C07D 241/04 (2006.01) C07D 471/10 (2006.01)**

[25] EN

[54] **HETEROCYCLICALKYL DERIVATIVE COMPOUNDS AS SELECTIVE HISTONE DEACETYLASE INHIBITORS AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME**

[54] **COMPOSES DERIVES D'ALKYLE HETEROCYCLIQUES A UTILISER EN TANT QU'INHIBITEURS DE L'HISTONE DESACETYLASE ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT**

[72] LEE, CHANGSIK, KR

[72] LEE, JAEKWANG, KR

[72] SONG, HYESEUNG, KR

[72] BAE, DAEKWON, KR

[72] HA, NINA, KR

[72] KIM, IL HYANG, KR

[73] CHONG KUN DANG PHARMACEUTICAL CORP., KR

[85] 2017-11-10

[86] 2016-05-20 (PCT/KR2016/005411)

[87] (WO2016/190630)

[30] KR (10-2015-0071665) 2015-05-22

[11] **2,985,863**
[13] C

[51] **Int.Cl. A01K 13/00 (2006.01) A44B 11/00 (2006.01) B68C 5/00 (2006.01)**

[25] EN

[54] **A CLOSURE SYSTEM FOR THE FRONT END OF A HORSE RUG**

[54] **SYSTEME DE FERMETURE POUR L'EXTREMITE AVANT D'UNE CHABRAQUE**

[72] MACGUINNESS, THOMAS JOSEPH, IE

[73] HORSEWARE PRODUCTS LTD, IE

[85] 2017-11-09

[86] 2016-03-09 (PCT/EP2016/055034)

[87] (WO2016/184586)

[30] GB (1508391.8) 2015-05-15

[11] **2,987,272**
[13] C

[51] **Int.Cl. A61K 9/08 (2006.01) A61K 9/10 (2006.01) A61K 31/415 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01) A61K 47/44 (2017.01)**

[25] EN

[54] **ORAL COMPOSITION OF CELECOXIB FOR TREATMENT OF PAIN**

[54] **COMPOSITION ORALE DE CELECOXIB POUR LE TRAITEMENT DE LA DOULEUR**

[72] BAHETI, ANKIT, IN

[72] PADHI, BIJAY KUMAR, IN

[72] VAKADA, SUPRITHA, IN

[72] RAGHUVANSHI, RAJEEV SINGH, IN

[73] DR. REDDY'S LABORATORIES LTD., IN

[85] 2017-11-24

[86] 2016-05-27 (PCT/US2016/034844)

[87] (WO2016/191744)

[30] IN (2682/CHE/2015) 2015-05-28

[30] IN (6614/CHE/2015) 2015-12-10

[11] **2,989,218**
[13] C

[51] **Int.Cl. G06K 9/78 (2006.01) G06K 9/46 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CONTAINER CODE RECOGNITION**

[54] **METHODE ET SYSTEME DE RECONNAISSANCE DE CODE DE CONTENANT**

[72] SHARMA, MONIKA, IN

[72] VIG, LOVEKESH, IN

[72] HEBBALAGUPPE, RAMYA SUGNANA MURTHY, IN

[72] HASSAN, EHTESHAM, IN

[72] VERMA, ANKIT, IN

[73] TATA CONSULTANCY SERVICES LIMITED, IN

[86] (2989218)

[87] (2989218)

[22] 2017-12-14

[30] IN (201621042986) 2016-12-16

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[11] **2,989,539**
[13] C

[51] **Int.Cl. H02H 7/26 (2006.01) H02J 3/06 (2006.01)**
[25] EN
[54] **HYBRID BACK-TO-BACK DIRECT CURRENT TRANSMISSION SYSTEM AND POWER FLOW REVERSAL CONTROL METHOD**
[54] **SYSTEME HYBRIDE DE TRANSMISSION DE COURANT CONTINU SEQUENTIELLE ET METHODE DE CONTROLE D'INVERSION DE FLUX D'ALIMENTATION**
[72] WANG, NANNAN, CN
[72] ZHAO, WENQIANG, CN
[72] WANG, YONGPING, CN
[73] NR ENGINEERING CO., LTD., CN
[73] NR ELECTRIC CO., LTD., CN
[85] 2017-11-29
[86] 2017-01-19 (PCT/CN2017/071655)
[87] (WO2017/129026)
[30] CN (201610061214.9) 2016-01-28

[11] **2,990,150**
[13] C

[51] **Int.Cl. E04G 21/12 (2006.01) B21F 7/00 (2006.01) B21F 15/06 (2006.01) B25B 25/00 (2006.01)**
[25] EN
[54] **BINDING MACHINE**
[54] **LIEUSE**
[72] ITAGAKI, OSAMU, JP
[72] KASAHARA, AKIRA, JP
[72] NAGAOKA, TAKAHIRO, JP
[73] MAX CO., LTD., JP
[85] 2017-12-19
[86] 2016-07-21 (PCT/JP2016/071416)
[87] (WO2017/014268)
[30] JP (2015-145283) 2015-07-22
[30] JP (2016-136067) 2016-07-08

[11] **2,990,284**
[13] C

[51] **Int.Cl. E04H 15/34 (2006.01) E04F 10/02 (2006.01) E04F 10/04 (2006.01) E04H 15/18 (2006.01) E04H 15/58 (2006.01)**
[25] FR
[54] **MODULAR CANOPY STRUCTURES THAT CAN BE FITTED WITH A RETRACTABLE ROOF, PRODUCTION METHODS, ASSEMBLY METHODS AND CORRESPONDING USES**
[54] **OMBRIERES MODULAIRES POUVANT ETRE EQUIPEES D'UN TOIT RETRACTABLE, PROCEDES DE FABRICATION, PROCEDES D'ASSEMBLAGE ET UTILISATIONS CORRESPONDANTES**
[72] LARIN, DOMINIC, CA
[72] BOURDAGES, ALAIN, CA
[73] LOUNGE FACTORY INC., CA
[85] 2017-12-20
[86] 2017-02-06 (PCT/CA2017/050134)
[87] (WO2017/132776)
[30] CA (2,920,207) 2016-02-04

[11] **2,990,786**
[13] C

[51] **Int.Cl. B29C 43/36 (2006.01) B29C 43/52 (2006.01)**
[25] EN
[54] **FIBER REINFORCED COMPOSITE MEMBER MOLDING APPARATUS**
[54] **DISPOSITIF DE MOULAGE D'ELEMENT COMPOSITE RENFORCE PAR DES FIBRES**
[72] ISHIZAKI, MASATO, JP
[72] KOBIKI, AKIRA, JP
[72] MURAKAMI, TSUTOMU, JP
[73] IHI CORPORATION, JP
[85] 2017-12-22
[86] 2016-06-23 (PCT/JP2016/068689)
[87] (WO2017/061146)
[30] JP (PCT/JP2015/078810) 2015-10-09

[11] **2,992,083**
[13] C

[51] **Int.Cl. B29C 43/36 (2006.01) B29C 43/52 (2006.01)**
[25] EN
[54] **FIBER REINFORCED COMPOSITE MEMBER MOLDING APPARATUS**
[54] **APPAREIL DE MOULAGE D'UN ELEMENT COMPOSITE RENFORCE DE FIBRE**
[72] MURAKAMI, TSUTOMU, JP
[72] KOBIKI, AKIRA, JP
[72] ISHIZAKI, MASATO, JP
[73] IHI CORPORATION, JP
[85] 2018-01-10
[86] 2015-10-09 (PCT/JP2015/078811)
[87] (WO2017/061047)

[11] **2,992,657**
[13] C

[51] **Int.Cl. C02F 11/18 (2006.01)**
[25] EN
[54] **METHOD AND FACILITY FOR THE SEMI-CONTINUOUS THERMAL HYDROLYSIS OF SLUDGE**
[54] **METHODE ET INSTALLATION D'HYDROLYSE THERMIQUE SEMI-CONTINUE DE BOUE**
[72] AUPETIT, THIERRY, FR
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
[85] 2018-01-16
[86] 2016-07-08 (PCT/EP2016/066255)
[87] (WO2017/021097)
[30] FR (1557397) 2015-07-31

[11] **2,992,721**
[13] C

[51] **Int.Cl. E21B 47/007 (2012.01) E21B 3/02 (2006.01) E21B 44/00 (2006.01) E21B 47/01 (2012.01) G01L 1/00 (2006.01)**
[25] EN
[54] **STRAIN GAUGE SPAN BLOCK**
[54] **BLOC DE PORTEE DE JAUGE DE CONTRAINTES**
[72] DEWALD, BRIAN DALE, CA
[73] NABORS DRILLING TECHNOLOGIES USA, INC., US
[85] 2018-01-16
[86] 2016-06-23 (PCT/US2016/039002)
[87] (WO2017/014903)
[30] US (14/802,257) 2015-07-17

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[11] **2,992,906**
[13] C

[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/037 (2006.01) B62D 33/04 (2006.01)**

[25] EN

[54] **TONNEAU COVER WITH SLAM LATCH AND AUTOMATIC SECONDARY SLAM LATCH**

[54] **COUVRE-TONNEAU DOTE D'UN LOQUET ET D'UN LOQUET SECONDAIRE AUTOMATIQUE**

[72] SPENCER, MICHAEL R., US

[73] TRUXEDO, INC., US

[86] (2992906)

[87] (2992906)

[22] 2018-01-25

[30] US (15/487,126) 2017-04-13

[11] **2,993,869**
[13] C

[51] **Int.Cl. B60P 7/06 (2006.01) B60P 7/08 (2006.01) B60R 9/00 (2006.01) B62D 55/07 (2006.01) F16B 13/10 (2006.01) F16B 21/09 (2006.01) F16B 45/00 (2006.01)**

[25] EN

[54] **ANCHOR**

[54] **ANCRE**

[72] MASSICOTTE, ALAIN, CA

[72] BROUSSEAU, IVAN, CA

[72] CHENEVERT, FRANCOIS, CA

[72] COTNOIR, THIERRY, CA

[72] TOGNON, VINCENT, CA

[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA

[86] (2993869)

[87] (2993869)

[22] 2010-06-30

[62] 2,803,529

[11] **2,993,975**
[13] C

[51] **Int.Cl. A47H 3/02 (2006.01) E06B 9/56 (2006.01)**

[25] EN

[54] **SAFE CURTAIN CONTROL ASSEMBLY WITHOUT SCREW**

[54] **DISPOSITIF DE CONTROLE DE RIDEAU SECURITAIRE SANS VIS**

[72] CHENG, CHING-HSIANG, TW

[73] CHEN TIAN CO., LTD., TW

[86] (2993975)

[87] (2993975)

[22] 2018-02-05

[30] TW (106137996) 2017-11-02

[11] **2,994,628**
[13] C

[51] **Int.Cl. B60P 1/04 (2006.01) B60P 1/28 (2006.01)**

[25] EN

[54] **DUMP TRUCK DUMP BODY, AND DUMP TRUCK**

[54] **BENNE BASCULANTE DE CAMION A BENNE BASCULANTE, ET CAMION A BENNE BASCULANTE**

[72] YABE, YOUSUKE, JP

[73] KOMATSU LTD., JP

[85] 2018-02-02

[86] 2016-03-16 (PCT/JP2016/058412)

[87] (WO2017/158778)

[11] **2,995,076**
[13] C

[51] **Int.Cl. E02D 9/04 (2006.01)**

[25] EN

[54] **PILE REMOVAL SYSTEM**

[54] **SYSTEME D'EXTRACTION DE PIEUX**

[72] MIMOUNI, NABIL, US

[72] WILLS, RONNIE WAYNE, II, US

[73] MIMOUNI, NABIL, US

[73] WILLS, RONNIE WAYNE, II, US

[85] 2018-02-07

[86] 2016-07-07 (PCT/US2016/041351)

[87] (WO2017/007946)

[30] US (62/189,594) 2015-07-07

[11] **2,995,729**
[13] C

[51] **Int.Cl. H04W 4/00 (2018.01)**

[25] EN

[54] **COORDINATION OF WIRELESS DEVICES BETWEEN PERSONAL AREA NETWORKS AND VEHICLE AREA NETWORKS**

[54] **COORDINATION DE DISPOSITIFS SANS FIL ENTRE DES RESEAUX PERSONNELS ET DES RESEAUX DE VEHICULE**

[72] FU, HOUCHAO, CN

[72] HAN, HUIMIN, CN

[72] HU, HAIQING, CN

[72] WANG, QINZHI, CN

[73] MOTOROLA SOLUTIONS, INC., US

[85] 2018-02-15

[86] 2015-08-31 (PCT/CN2015/088694)

[87] (WO2017/035764)

[11] **2,995,969**
[13] C

[51] **Int.Cl. H02J 15/00 (2006.01)**

[25] EN

[54] **A SYSTEM AND METHOD FOR CHARGING ELECTROSTATIC DEVICES UTILIZING DISPLACEMENT CURRENT, REFERRED TO AS DEFLECTION CONVERTER**

[54] **SYSTEME ET METHODE DE CHARGE DE DISPOSITIFS ELECTROSTATIQUES AU MOYEN DUCOURANT DE DEPLACEMENT, APPELE CONVERTISSEUR A DEVIATION**

[72] MILLER, MITCHELL B., CA

[73] MILLER, MITCHELL B., CA

[86] (2995969)

[87] (2995969)

[22] 2018-02-22

[11] **2,996,344**
[13] C

[51] **Int.Cl. C22B 9/10 (2006.01) C22B 7/00 (2006.01) C22B 15/02 (2006.01) C22B 23/06 (2006.01)**

[25] EN

[54] **PROCESSES FOR PREPARING VARIOUS METALS AND DERIVATIVES THEREOF FROM COPPER- AND SULFUR-CONTAINING MATERIAL**

[54] **PROCEDES DE PREPARATION DE DIVERS METAUX ET DE LEURS DERIVES A PARTIR D'UN MATERIAU CONTENANT DU CUIVRE ET DU SOUFRE**

[72] COURSOL, PASCAL, CA

[72] SHIJUN, WU, CA

[73] 5N PLUS INC., CA

[85] 2018-02-22

[86] 2016-08-19 (PCT/CA2016/050972)

[87] (WO2017/031574)

[30] US (62/208,993) 2015-08-24

[30] US (62/250,056) 2015-11-03

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[11] **2,996,347**

[13] C

- [51] **Int.Cl. F24F 6/02 (2006.01) F24F 11/70 (2018.01)**
[25] EN
[54] **BYPASS HUMIDIFIER WITH DAMPER CONTROL**
[54] **HUMIDIFICATEUR A DERIVATION AVEC REGULATION PAR REGISTRE**
[72] TERLSON, BRAD, US
[72] QUAM, DAVID, US
[72] GOH, CHRISTOPHER, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2996347)
[87] (2996347)
[22] 2010-09-02
[62] 2,714,325
[30] US (12/565,716) 2009-09-23

[11] **2,996,752**

[13] C

- [51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE INBRED PH2STM**
[54] **MAIS ENDOGAME PH2STM**
[72] JINES, MICHAEL PHILLIP, US
[72] STIRLING, LEAH VIESSELMANN, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996752)
[87] (2996752)
[22] 2018-02-28
[30] US (15/447,246) 2017-03-02

[11] **2,996,755**

[13] C

- [51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH2TB0**
[54] **MAIS ENDOGAME PH2TB0**
[72] CARRIGAN, LORI LISA, US
[72] YU, JIANBIN, US
[72] GARCIA, GUSTAVO MARCELO, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996755)
[87] (2996755)
[22] 2018-02-28
[30] US (15/447,336) 2017-03-02

[11] **2,996,773**

[13] C

- [51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X08K186**
[54] **MAIS HYBRIDE X08K186**
[72] JINES, MICHAEL PHILLIP, US
[72] STIRLING, LEAH VIESSELMANN, US
[72] WHITAKER, DAVID WALTER, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996773)
[87] (2996773)
[22] 2018-02-28
[30] US (15/447,454) 2017-03-02

[11] **2,996,775**

[13] C

- [51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X95K918**
[54] **MAIS HYBRIDE X95K918**
[72] ARBELBIDE, MARTIN, US
[72] CARRIGAN, LORI LISA, US
[72] FABRIZIUS, MARTIN A., US
[72] GARCIA, GUSTAVO MARCELO, CA
[72] COLEMAN, TRAVIS KORRY, CA
[72] YU, JIANBIN, US
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996775)
[87] (2996775)
[22] 2018-02-28
[30] US (15/447,541) 2017-03-02

[11] **2,996,791**

[13] C

- [51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X75K308**
[54] **MAIS HYBRIDE X75K308**
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, CA
[72] KING, STEVEN PAUL, CA
[72] MONTPETIT, JEAN-MARC, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996791)
[87] (2996791)
[22] 2018-02-28
[30] US (15/447,569) 2017-03-02

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[11] **2,996,793**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED PH2G5Z**
[54] **MAIS ENDOGAME PH2G5Z**
[72] COLEMAN, TRAVIS KORRY, CA
[72] GARCIA, GUSTAVO MARCELO, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996793)
[87] (2996793)
[22] 2018-02-28
[30] US (15/447,212) 2017-03-02

[11] **2,996,809**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN
[54] **MAIZE INBRED PH2T7V**
[54] **MAIS ENDOGAME PH2T7V**
[72] GROTE, EDWIN MICHAEL, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996809)
[87] (2996809)
[22] 2018-02-28
[30] US (15/447,221) 2017-03-02

[11] **2,996,826**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED PH2TRS**
[54] **MAIS ENDOGAME PH2TRS**
[72] MONTPETIT, JEAN-MARC, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996826)
[87] (2996826)
[22] 2018-02-28
[30] US (15/447,190) 2017-03-02

[11] **2,996,834**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE HYBRID X90K678**
[54] **MAIS HYBRIDE X90K678**
[72] ARBELBIDE, MARTIN, US
[72] COLEMAN, TRAVIS KORRY, CA
[72] FABRIZIUS, MARTIN A., US
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[72] WALCH, MATTHEW DAVID, US
[72] GARCIA, GUSTAVO MARCELO, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996834)
[87] (2996834)
[22] 2018-02-28
[30] US (15/447,550) 2017-03-02

[11] **2,996,836**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED PH2TNK**
[54] **MAIS ENDOGAME PH2TNK**
[72] COLEMAN, TRAVIS KORRY, CA
[72] GARCIA, GUSTAVO MARCELO, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996836)
[87] (2996836)
[22] 2018-02-28
[30] US (15/447,331) 2017-03-02

[11] **2,996,952**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE HYBRID X70K903**
[54] **MAIS HYBRIDE X70K903**
[72] DESBONS, PIERRE J., FR
[72] HENDRICKX, LEONARDUS JOHANNES MARIA, CA
[72] KING, STEVEN PAUL, CA
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996952)
[87] (2996952)
[22] 2018-03-01
[30] US (15/447,578) 2017-03-02

[11] **2,996,956**
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN
[54] **MAIZE INBRED PHCBM**
[54] **MAIS ENDOGAME PHCBM**
[72] DESBONS, PIERRE J., FR
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[86] (2996956)
[87] (2996956)
[22] 2018-03-01
[30] US (15/447,187) 2017-03-02

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[11] **2,997,448**
[13] C

[51] **Int.Cl. G01N 1/02 (2006.01) G01N 1/10 (2006.01) G01N 1/22 (2006.01)**
[25] EN
[54] **STEADY STATE FLUID FLOW VERIFICATION FOR SAMPLE TAKEOFF**
[54] **VERIFICATION DE L'ÉCOULEMENT DE FLUIDE À L'ÉTAT STABLE POUR LE PRÉLEVEMENT D'ÉCHANTILLONS**
[72] THOMPSON, KENNETH O., US
[72] WARNER, KEVIN, US
[73] MUSTANG SAMPLING, LLC, US
[85] 2018-03-02
[86] 2016-11-08 (PCT/US2016/058139)
[87] (WO2017/074812)
[30] US (62/248,140) 2015-10-29
[30] US (15/297,425) 2016-10-19

[11] **3,001,826**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 15/00 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01) B01J 20/26 (2006.01) B01J 20/34 (2006.01) G01N 31/00 (2006.01)**
[25] EN
[54] **ACID GAS RECOVERY METHOD AND SYSTEM AND IRON ION ANALYSIS METHOD AND SYSTEM**
[54] **SYSTÈME ET MÉTHODE DE RÉCUPÉRATION DE GAZ ACIDE ET SYSTÈME ET MÉTHODE D'ANALYSE D'ION TRIVALENT DE FER**
[72] HIRATA, TAKUYA, JP
[72] OKAMOTO, SHINICHI, JP
[72] NAGAYASU, HIROMITSU, JP
[72] CHIYOMARU, MASARU, JP
[72] TSUJIUCHI, TATSUYA, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2018-04-12
[86] 2016-10-20 (PCT/JP2016/081074)
[87] (WO2017/073447)
[30] JP (2015-210773) 2015-10-27

[11] **3,003,416**
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 17/00 (2006.01) E21B 33/128 (2006.01) E21B 34/06 (2006.01)**
[25] EN
[54] **WELLBORE ISOLATION DEVICE**
[54] **DISPOSITIF D'ISOLATION DE Puits DE FORAGE**
[72] CLEMENS, JACK GAMMILL, US
[72] HARDER, NATHAN JAMES, US
[72] SMITH, CHARLES TIMOTHY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-04-26
[86] 2015-12-11 (PCT/US2015/065169)
[87] (WO2017/099789)

[11] **3,004,166**
[13] C

[51] **Int.Cl. F41B 5/14 (2006.01) F41B 5/12 (2006.01) F41B 5/18 (2006.01)**
[25] EN
[54] **SAFETY WRIST STRAP FOR A CROSSBOW CRANK HANDLE**
[54] **BRACELET DE SÛRETÉ DESTINÉ À UNE POIGNÉE RESSORT D'ARBALETE**
[72] LANGDON, STEPHEN DONALD, CA
[72] BLOSSER, BENJAMIN DEAN, CA
[73] EXCALIBUR CROSSBOW, INC., CA
[86] (3004166)
[87] (3004166)
[22] 2018-05-04
[30] US (15/788,779) 2017-10-19

[11] **3,004,290**
[13] C

[51] **Int.Cl. C04B 11/00 (2006.01) C01B 17/02 (2006.01) C01F 11/46 (2006.01) C01G 3/12 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING ELEMENTAL SULFUR IN GYPSUM PRODUCTS**
[54] **PROCÉDE DE RÉDUCTION DU SOUFRE ÉLÉMENTAIRE DANS DES PRODUITS À BASE DE PLÂTRE**
[72] COLLEGE, JOHN W., US
[72] LEE, SANG-HO, US
[72] HILTON, CHRIS, CA
[72] KIANG, YU-ZHI, CA
[72] LAI, CHOUNG-HOUNG, US
[72] GLAVIN, GEORGE, US
[72] ILYASHENKO, HELEN, US
[73] CERTAINTED GYPSUM, INC., US
[85] 2018-05-03
[86] 2016-11-03 (PCT/US2016/060283)
[87] (WO2017/079410)
[30] US (14/931,766) 2015-11-03

[11] **3,004,605**
[13] C

[51] **Int.Cl. H01R 12/71 (2011.01) H01R 12/51 (2011.01)**
[25] EN
[54] **WALL PLATE CONNECTOR SYSTEM**
[54] **SYSTÈME DE CONNECTEUR DE PLAQUE MURALE**
[72] DAILY, CHRISTOPHER GEORGE, US
[72] MOSTOLLER, MATTHEW EDWARD, US
[72] HOWARD, EDWARD JOHN, US
[73] TE CONNECTIVITY CORPORATION, US
[85] 2018-05-07
[86] 2016-11-08 (PCT/US2016/060899)
[87] (WO2017/083250)
[30] US (14/940,923) 2015-11-13

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[11] **3,005,421**
[13] C

[51] **Int.Cl. B42D 15/02 (2006.01) A63H 5/00 (2006.01) A63H 33/00 (2006.01) B65D 73/00 (2006.01) B65D 79/00 (2006.01)**

[25] EN

[54] **GREETING CARD WITH GIFT CARD HOLDER**

[54] **CARTES DE SOUHAITS DOTEES D'UN SUPPORT DE CARTE-CADEAU**

[72] DADANTE, JENNIFER, US

[73] AMERICAN GREETINGS CORPORATION, US

[86] (3005421)

[87] (3005421)

[22] 2018-05-18

[30] US (15/789,097) 2017-10-20

[11] **3,008,948**
[13] C

[51] **Int.Cl. B64C 1/06 (2006.01) B64C 3/18 (2006.01) B32B 5/26 (2006.01)**

[25] EN

[54] **REINFORCED COMPOSITE STRUCTURES FOR AIRCRAFTS AND METHODS FOR MAKING THE SAME**

[54] **STRUCTURES COMPOSITES RENFORCEES POUR AVIONS ET LEURS PROCEDES DE FABRICATION**

[72] REIGHLEY, JOHN EVERETT, US

[72] HORNICK, DAVID CHARLES, US

[72] FOOSE, ANDREW, US

[72] AITKEN, CHARLES OWEN, US

[73] GULFSTREAM AEROSPACE CORPORATION, US

[86] (3008948)

[87] (3008948)

[22] 2013-02-07

[62] 2,863,241

[30] US (13/396,325) 2012-02-14

[11] **3,009,031**
[13] C

[51] **Int.Cl. B65D 1/02 (2006.01)**

[25] EN

[54] **DOUBLE-WALLED CONTAINER**

[54] **RECIPIENT A DOUBLE PAROI**

[72] KITORA, SHUICHI, JP

[72] MIYAIRI, KEISUKE, JP

[73] YOSHINO KOGYOSHO CO., LTD., JP

[85] 2018-06-18

[86] 2016-11-15 (PCT/JP2016/083838)

[87] (WO2017/110310)

[30] JP (2015-255229) 2015-12-25

[11] **3,010,968**
[13] C

[51] **Int.Cl. F04B 1/22 (2006.01)**

[25] EN

[54] **VARIABLE DISPLACEMENT SWASH PLATE TYPE PISTON PUMP**

[54] **POMPE A PISTON DE TYPE A PLATEAU OSCILLANT A CYLINDREE VARIABLE**

[72] MATSUO, TSUTOMU, JP

[72] YOKOMACHI, NAOYA, JP

[72] UEDA, YUKI, JP

[72] UNO, TAKASHI, JP

[73] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP

[85] 2018-07-09

[86] 2016-12-19 (PCT/JP2016/087775)

[87] (WO2017/122501)

[30] JP (2016-005426) 2016-01-14

[11] **3,010,999**
[13] C

[51] **Int.Cl. F04B 41/02 (2006.01) B01J 4/00 (2006.01) F17C 5/06 (2006.01)**

[25] EN

[54] **GAS SUPPLY DEVICE AND METHOD FOR STOPPING OPERATION OF GAS SUPPLY DEVICE**

[54] **DISPOSITIF DE FOURNITURE DE GAZ ET PROCEDE POUR ARRETER LE FONCTIONNEMENT D'UN DISPOSITIF DE FOURNITURE DE GAZ**

[72] HASHIMOTO, KOICHIRO, JP

[72] FUJISAWA, AKITOSHI, JP

[72] FUKUDA, TAKAYUKI, JP

[72] WADA, DAISUKE, JP

[72] UBA, TAKURO, JP

[72] NAGURA, KENJI, JP

[73] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBELCO STEEL, LTD.), JP

[85] 2018-07-10

[86] 2017-01-27 (PCT/JP2017/002870)

[87] (WO2017/131136)

[30] JP (2016-015399) 2016-01-29

[11] **3,014,560**
[13] C

[51] **Int.Cl. B65G 43/02 (2006.01) B65G 19/28 (2006.01) G01N 3/56 (2006.01) G01N 5/04 (2006.01)**

[25] EN

[54] **SELF-DETECTION DEVICE FOR MIDDLE TROUGH OF SCRAPER CONVEYOR AND DETECTION METHOD**

[54] **DISPOSITIF D'AUTODETECTION DESTINE A UNE GOUTTIERE CENTRALE D'UNE COURROIE DE TRANSPORT DE RACLEUR ET METHODE DE DETECTION**

[72] PENG, YUXING, CN

[72] ZHU, ZHENCAI, CN

[72] MI, ZHENTAO, CN

[72] SHI, ZHIYUAN, CN

[72] CHEN, GUOAN, CN

[72] CAO, GUOHUA, CN

[72] LU, HAO, CN

[72] LI, WEI, CN

[72] ZHOU, GONGBO, CN

[72] LIU, JUNLIANG, CN

[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN

[73] XUZHOU ZHIRUN MINING EQUIPMENT SCIENCE AND TECHNOLOGY CO., LTD., CN

[85] 2018-08-17

[86] 2017-12-04 (PCT/CN2017/114387)

[87] (WO2018/214460)

[30] CN (201710383549.7) 2017-05-26

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[11] **3,014,564**
[13] C

[51] **Int.Cl. B66B 7/10 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR ADJUSTING TENSION OF A STEEL WIRE ROPE OF AN ULTRA-DEEP VERTICAL SHAFT AT A HOISTING-CONTAINER-END**
[54] **DISPOSITIF ET METHODE D'AJUSTEMENT DE TENSION D'UN CABLE DE FILS D'ACIER D'UN ARBRE VERTICAL ULTRA PROFOND A UNE EXTREMITE DE CONTENEUR DE TREUILLAGE**
[72] CAO, GUOHUA, CN
[72] JIANG, LIFEI, CN
[72] ZHU, ZHENCAI, CN
[72] PENG, WEIHONG, CN
[72] HUA, CHUNLI, CN
[72] ZHOU, GONGBO, CN
[72] PENG, YUXING, CN
[72] LI, WEI, CN
[72] FENG, SHIZHE, CN
[72] LIU, SHANZENG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] XUZHOU COAL MINE SAFETY EQUIPMENT MANUFACTURE CO., LTD., CN
[85] 2018-10-15
[86] 2017-12-01 (PCT/CN2017/114244)
[87] (WO2018/201712)
[30] CN (201710303461.X) 2017-05-02

[11] **3,016,080**
[13] C

[51] **Int.Cl. A61K 31/404 (2006.01) A61K 9/10 (2006.01) A61K 47/38 (2006.01) A61P 3/00 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **SOLID FORMS OF (R)-1-(2,2-DIFLUOROBENZO[D][1,3]DIOXOL-5-YL)-N-(1-(2,3-DIHYDROXYPROPYL)-6-FLUORO-2-(1-HYDROXY-2-METHYLPROPAN-2-YL)-1H-INDOL-5-YL) CYCLOPROPANECARBOXAMIDE**
[54] **FORMES SOLIDES DE (R)-1-(2,2-DIFLUOROBENZO[D][1,3]DIOXOL-5-YL)-N-(1-(2,3-DIHYDROXYPROPYL)-6-FLUORO-2-(1-HYDROXY-2-METHYLPROPAN-2-YL)-1H-INDOL-5-YL) CYCLOPROPANECARBOXAMIDE**
[72] ALCACIO, TIM EDWARD, US
[72] KESHAVARZ-SHOKRI, ALI, US
[72] KRAWIEC, MARIUSZ, US
[72] LEE, ELAINE CHUNGMIN, US
[72] ZHANG, BEILI, US
[72] ZHANG, YUEGANG, US
[73] VERTEX PHARMACEUTICALS INCORPORATED, US
[86] (3016080)
[87] (3016080)
[22] 2011-03-25
[62] 2,794,559
[30] US (61/317,376) 2010-03-25
[30] US (61/319,953) 2010-04-01
[30] US (61/321,561) 2010-04-07
[30] US (61/321,636) 2010-04-07

[11] **3,017,984**
[13] C

[51] **Int.Cl. E21D 15/60 (2006.01)**
[25] EN
[54] **PROCESS METHOD FOR WITHDRAWING AND RECOVERING MECHANICAL CONSTANT-RESISTANCE SINGLE PROP**
[54] **METHODE DE PROCEDE SERVANT A RETIRER ET RECUPERER UNE HELICE MECANIQUE SIMPLE A RESISTANCE CONSTANTE**
[72] ZHANG, JIXIONG, CN
[72] ZHOU, NAN, CN
[72] QI, WENYUE, CN
[72] ZHANG, QIANG, CN
[72] LI, MENG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2018-09-17
[86] 2016-12-01 (PCT/CN2016/108289)
[87] (WO2018/082149)
[30] CN (201610953089.2) 2016-11-03

[11] **3,018,879**
[13] C

[51] **Int.Cl. B65G 25/00 (2006.01) B65G 27/00 (2006.01) B65G 47/51 (2006.01)**
[25] EN
[54] **CONVEYOR METHOD AND SYSTEM FOR CONVEYING AND MANAGING A FOOD INVENTORY**
[54] **PROCEDE ET SYSTEME DE TRANSPORT POUR TRANSPORTER ET GERER UN STOCK D'ALIMENTS**
[72] SVEJKOVSKY, PAUL BLAKE, US
[72] PETRI, KENNETH C., US
[73] KAREN SUE SVEJKOVSKY, TRUSTEE OF THE PAUL A. SVEJKOVSKY FAMILY TRUST, US
[73] SVEJKOVSKY, PAUL BLAKE, US
[73] KAREN SUE SVEJKOVSKY, TRUSTEE OF THE P.A. & K.S. SVEJKOVSKY LIVING TRUST, DATED JULY 9, 1997, US
[85] 2018-09-24
[86] 2017-03-24 (PCT/US2017/023993)
[87] (WO2017/165752)
[30] US (15/081,033) 2016-03-25

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[11] **3,019,583**
[13] C

[51] **Int.Cl. G02B 27/22 (2018.01) G02B 7/06 (2006.01)**
[25] EN
[54] **TRANSITION BETWEEN BINOCULAR AND MONOCULAR VIEWS**
[54] **TRANSITION ENTRE DES VUES BINOCULAIRES ET MONOCULAIRES**
[72] CABRAL, BRIAN KEITH, US
[72] BRIGGS, FORREST SAMUEL, US
[73] FACEBOOK, INC., US
[85] 2018-09-28
[86] 2017-04-05 (PCT/US2017/026244)
[87] (WO2017/176947)
[30] US (62/319,208) 2016-04-06
[30] US (15/096,162) 2016-04-11

[11] **3,020,020**
[13] C

[51] **Int.Cl. B23Q 7/00 (2006.01) B23Q 41/02 (2006.01) B65G 61/00 (2006.01)**
[25] EN
[54] **PALLET CHANGING APPARATUS**
[54] **APPAREILLAGE DE CHANGEMENT DE PALETTE**
[72] KATO, TOSHIHIKO, JP
[72] TAMETO, TAKASHI, JP
[72] HORIGUCHI, KYUSUKE, JP
[73] MATSUURA MACHINERY CORPORATION, JP
[86] (3020020)
[87] (3020020)
[22] 2018-10-05
[30] JP (2017-203596) 2017-10-20

[11] **3,020,801**
[13] C

[51] **Int.Cl. B65B 43/42 (2006.01) A61J 1/00 (2006.01) A61J 3/00 (2006.01) A61J 3/02 (2006.01) B25J 9/02 (2006.01) B25J 9/12 (2006.01) B65B 1/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR LOADING A LYOPHILIZATION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR CHARGER UN SYSTEME DE LYOPHILISATION**
[72] NAING, JUVENAL, CA
[72] PROCYSHYN, CHRISTOPHER, CA
[72] SENER, JOHN, CA
[73] VANRX PHARMASYSTEMS INC., CA
[85] 2018-10-12
[86] 2017-04-12 (PCT/IB2017/000576)
[87] (WO2017/178895)
[30] US (15/097,254) 2016-04-12

[11] **3,021,118**
[13] C

[51] **Int.Cl. B23Q 7/00 (2006.01) B23Q 41/02 (2006.01) B65G 61/00 (2006.01)**
[25] EN
[54] **PALLET CHANGING APPARATUS**
[54] **APPAREILLAGE DE CHANGEMENT DE PALETTE**
[72] KATO, TOSHIHIKO, JP
[72] TAMETO, TAKASHI, JP
[72] HORIGUCHI, KYUSUKE, JP
[73] MATSUURA MACHINERY CORPORATION, JP
[86] (3021118)
[87] (3021118)
[22] 2018-10-17
[30] JP (2017-203627) 2017-10-20

[11] **3,024,812**
[13] C

[51] **Int.Cl. A23K 20/168 (2016.01) A23K 20/158 (2016.01) A23K 50/80 (2016.01) A61K 31/575 (2006.01) A61P 3/02 (2006.01) C07J 9/00 (2006.01) C11B 3/12 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING CHOLESTEROL**
[54] **COMPOSITION COMPRENANT DU CHOLESTEROL**
[72] MEZA ALMENDRA, JULIO CESAR, CL
[72] LOPEZ CASTILLO, JOSE LUIS, CL
[72] NAPOLITANO FEITO, PABLO, CL
[72] DORLHIAC SILVA, GUSTAVO ADOLFO, CL
[72] PINCHEIRA VARAS, LUIS TOMAS, CL
[72] MARKOVITS ROJAS, ALEJANDRO, CL
[73] GOLDEN OMEGA S.A., CL
[86] (3024812)
[87] (3024812)
[22] 2018-11-20
[30] US (15/896,132) 2018-02-14

[11] **3,030,584**
[13] C

[51] **Int.Cl. H01M 2/16 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING ELECTRODE ASSEMBLIES**
[54] **PROCEDE DE PREPARATION D'ENSEMBLES D'ELECTRODES**
[72] HO, KAM PIU, CN
[72] WANG, RANSHI, CN
[72] SHEN, PEIHUA, CN
[73] GRST INTERNATIONAL LIMITED, CN
[85] 2019-01-11
[86] 2017-09-11 (PCT/CN2017/101262)
[87] (WO2018/054239)
[30] US (15/272,544) 2016-09-22

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[11] **3,031,460**
[13] C

[51] **Int.Cl. F24F 1/0358 (2019.01) F24F 1/04 (2011.01)**
[25] EN
[54] **PORTABLE RUGGED DEHUMIDIFIER**
[54] **DESHUMIDIFICATEUR PORTATIF ROBUSTE**
[72] STEARNS, JARED M., US
[72] DINGLE, STEVEN S., US
[72] VERHOEVEN, JEROME, US
[72] DUBOIS, CONOR, US
[72] BUSTAMANTE, DIANE K., US
[73] THERMA-STOR LLC, US
[86] (3031460)
[87] (3031460)
[22] 2019-01-24
[30] US (62/622,656) 2018-01-26
[30] US (16/255,099) 2019-01-23

[11] **3,031,644**
[13] C

[51] **Int.Cl. E21B 47/024 (2006.01) E21B 47/26 (2012.01) G01V 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING POSITION WITH IMPROVED CALIBRATION BY OPPOSING SENSORS**
[54] **PROCEDE DE DETERMINATION DE LA POSITION AVEC UN ETALONNAGE AMELIORE PAR DES CAPTEURS OPPOSES**
[72] CLOSE, DAVID, US
[72] TROY, GEORGE W., US
[73] NORALIS LIMITED, GB
[85] 2019-01-22
[86] 2017-06-08 (PCT/US2017/036581)
[87] (WO2017/214416)
[30] US (15/178,182) 2016-06-09

[11] **3,036,471**
[13] C

[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION SYSTEM CONTROL OF CARRIER AGGREGATION FOR A WIRELESS RELAY**
[54] **COMMANDE DE SYSTEME DE COMMUNICATION SANS FIL D'AGREGATION DE PORTEUSES POUR UN RELAIS SANS FIL**
[72] MARUPADUGA, SREEKAR, US
[72] VELUSAMY, SARAVANA, US
[72] PARIHAR, VANIL, US
[72] MANCHANDA, NITESH, US
[73] SPRINT COMMUNICATIONS COMPANY L.P., US
[85] 2019-03-08
[86] 2017-09-19 (PCT/US2017/052279)
[87] (WO2018/063860)
[30] US (15/278,491) 2016-09-28

[11] **3,031,642**
[13] C

[51] **Int.Cl. G01D 18/00 (2006.01) E21B 47/09 (2012.01)**
[25] EN
[54] **METHOD FOR DETERMINING POSITION WITH IMPROVED CALIBRATION**
[54] **PROCEDE DE DETERMINATION DE POSITION A ETALONNAGE AMELIORE**
[72] CLOSE, DAVID, US
[72] TROY, GEORGE W., US
[73] NORALIS LIMITED, GB
[85] 2019-01-22
[86] 2017-06-08 (PCT/US2017/036577)
[87] (WO2017/214412)
[30] US (15/178,178) 2016-06-09

[11] **3,034,430**
[13] C

[51] **Int.Cl. C09K 8/68 (2006.01) C09K 8/035 (2006.01)**
[25] EN
[54] **FOAMED GEL TREATMENT FLUIDS AND METHODS OF USE**
[54] **FLUIDES DE TRAITEMENT EN GEL MOUSSE ET PROCEDES D'UTILISATION**
[72] ELURU, SAIRAM, IN
[72] SALLA, RAJENDER, IN
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-02-19
[86] 2016-10-28 (PCT/US2016/059414)
[87] (WO2018/080517)

[11] **3,042,954**
[13] C

[51] **Int.Cl. G01V 3/40 (2006.01) G01R 33/06 (2006.01)**
[25] EN
[54] **ELECTRONIC MAGNETOMETER AND METHOD FOR MEASURING MAGNETIC FIELD**
[54] **MAGNETOMETRE ELECTRONIQUE ET PROCEDE DE MESURE DE CHAMP MAGNETIQUE**
[72] DU, AIMIN, CN
[72] TANG, HENG, CN
[72] ZHAO, LIN, CN
[72] LI, QIONG, CN
[72] FENG, XIAO, CN
[72] SUN, SHUQUAN, CN
[72] LI, CUIHONG, CN
[72] DI, QINGYUN, CN
[73] INSTITUTE OF GEOLOGY AND GEOPHYSICS CHINESE ACADEMY OF SCIENCES (IGGCAS), CN
[85] 2019-05-06
[86] 2016-01-15 (PCT/CN2016/071031)
[87] (WO2017/117824)
[30] CN (201610008534.8) 2016-01-07

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[11] **3,043,924**

[13] C

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 84/00 (2009.01) H04W 84/12 (2009.01) H04W 88/10 (2009.01) H04W 4/021 (2018.01) H04W 4/029 (2018.01) H04W 4/38 (2018.01) H04W 4/70 (2018.01) H04W 4/80 (2018.01) A61B 5/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MONITORING PHYSICAL ASSETS**

[54] **PROCEDE ET SYSTEME DE SURVEILLANCE D'ACTIFS PHYSIQUES**

[72] STRUHSAKER, PAUL, US

[72] POSNER, PAUL, US

[72] LANDERS, MICHAEL, US

[72] ARMSTRONG, NICHOLAS, US

[73] TIONESTA, LLC, US

[85] 2019-05-14

[86] 2018-10-29 (PCT/US2018/057991)

[87] (WO2019/089454)

[30] US (15/799,348) 2017-10-31

[11] **3,043,927**

[13] C

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 84/12 (2009.01) H04W 88/10 (2009.01) H04W 4/021 (2018.01) H04W 4/029 (2018.01) H04W 4/38 (2018.01) H04W 4/70 (2018.01) H04W 4/80 (2018.01) A61B 5/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MONITORING LIVESTOCK**

[54] **PROCEDE ET SYSTEME DE SURVEILLANCE DE BETAIL**

[72] STRUHSAKER, PAUL, US

[72] POSNER, PAUL, US

[72] LANDERS, MICHAEL, US

[72] ARMSTRONG, NICHOLAS, US

[73] TIONESTA, LLC, US

[85] 2019-05-14

[86] 2018-10-29 (PCT/US2018/057994)

[87] (WO2019/089456)

[30] US (15/799,302) 2017-10-31

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August 4, 2019 to August 10, 2019

Demandes canadiennes mises à la disponibilité du public

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[21] **2,993,959**
[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) H04W 4/024 (2018.01) H04W 4/90 (2018.01)**
[25] EN
[54] **FACILITY EMERGENCY ALERT SYSTEM**
[54] **SYSTEME D'ALERTE D'URGENCE D'INSTALLATION**
[72] EISLER, KURTIS, CA
[71] EISLER, KURTIS, CA
[22] 2018-02-05
[41] 2019-08-05

[21] **2,993,961**
[13] A1
[51] **Int.Cl. B23D 51/04 (2006.01) B23D 59/00 (2006.01)**
[25] EN
[54] **STICK CUTTER**
[54] **COUPE-BATON**
[72] WATZENBOECK, ANDREW, CA
[71] WATZENBOECK, ANDREW, CA
[22] 2018-02-05
[41] 2019-08-05

[21] **2,993,962**
[13] A1
[51] **Int.Cl. F21S 2/00 (2016.01) F21K 9/00 (2016.01) F21V 17/00 (2006.01) F21V 17/10 (2006.01)**
[25] EN
[54] **MODULAR LIGHTING SYSTEM WITH INTERCHANGEABLE FINISHES**
[54] **SYSTEME D'ECLAIRAGE MODULAIRE OFFRANT DES FINIS INTERCHANGEABLES**
[72] RAUTEMBERG, ALEXANDRE, BR
[71] RAUTEMBERG, ALEXANDRE, BR
[22] 2018-02-05
[41] 2019-08-05

[21] **2,993,966**
[13] A1
[51] **Int.Cl. G08B 21/02 (2006.01) H04W 84/10 (2009.01)**
[25] EN
[54] **WEARABLE EMERGENCY ALERT SYSTEM**
[54] **SYSTEME D'ALERTE D'URGENCE PORTABLE**
[72] EISLER, KURTIS S. L., CA
[71] EISLER, KURTIS S. L., CA
[22] 2018-02-05
[41] 2019-08-05

[21] **2,993,986**
[13] A1
[51] **Int.Cl. A24F 25/00 (2006.01) A24F 15/00 (2006.01)**
[25] FR
[54] **UN CELLIER POUR LA CONSERVATION DU CANNABIS**
[72] BEAUCHAMP, BENOIT B. B., CA
[72] TURGEON, BENOIT B. T., CA
[71] BEAUCHAMP, BENOIT B. B., CA
[71] TURGEON, BENOIT B. T., CA
[22] 2018-02-05
[41] 2019-08-05

[21] **2,994,000**
[13] A1
[51] **Int.Cl. F16L 35/00 (2006.01) A01G 23/08 (2006.01) F16L 25/12 (2006.01)**
[25] EN
[54] **TIMBER HARVESTER HEAD HYDAULIC HOSE CONNECTION EXTENSION**
[54] **RALLONGE DE RACCORD DE TUYAU HYDRAULIQUE DE TETE DE RECOLTEUSE DE BOIS**
[72] CARON, ROBERT, CA
[72] LANDRY, SEBASTIEN, CA
[71] PROPRIETES POINTE MIRA S.A., CA
[22] 2018-02-05
[41] 2019-08-05

[21] **2,994,004**
[13] A1
[51] **Int.Cl. H02J 15/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD UTILIZING DEFLECTION CONVERSION FOR INCREASING THE ENERGY EFFICIENCY OF A CIRCUIT, DIFFERENT CIRCUIT CONFIGURATIONS COMPOSING A GROUP TERMED DEFLECTION CONVERTERS**
[54] **SYSTEME ET METHODE D'UTILISATION DE CONVERSION DE DEVIATION DESTINES A AUGMENTER L'ENERGIE, LE RENDEMENT D'UN CIRCUIT, CONFIGURATIONS DE DIFFERENTS CIRCUITS COMPOSANT UN GROUPE DECONVERTISSEURS DE DEVIATION DESIGNES**
[72] MILLER, MITCHELL B., CA
[71] MILLER, MITCHELL B., CA
[22] 2018-02-05
[41] 2019-08-05

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[21] **2,994,005**
[13] A1

[51] **Int.Cl. C08G 63/66 (2006.01) H01M 4/137 (2010.01) H01M 10/0565 (2010.01) C08F 290/06 (2006.01) C08J 3/24 (2006.01)**

[25] FR

[54] **ESTER AND ETHER COPOLYMER UNITS, THEIR FABRICATION PROCESS AND THEIR USES**

[54] **COPOLYMERES D'UNITES ESTER ET ETHER, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS**

[72] COMMARIEU, BASILE, CA

[72] DAIGLE, JEAN-CHRISTOPHE, CA

[72] JALBERT, PIERRE-MICHEL, CA

[72] LAJOIE, GILLES, CA

[72] GAGNON, CATHERINE, CA

[72] GUERFI, ABDELBAST, CA

[72] ARMAND, MICHEL, FR

[72] ZAGHIB, KARIM, CA

[71] HYDRO-QUEBEC, CA

[22] 2018-02-05

[41] 2019-08-05

[21] **2,994,072**
[13] A1

[51] **Int.Cl. B01F 17/52 (2006.01) C08B 15/00 (2006.01)**

[25] EN

[54] **AMPHIPHILIC CELLULOSE NANOCRYSTALS, METHOD OF PRODUCING SAME AND USED THEREOF**

[54] **NANOCRISTAUX DE CELLULOSE AMPHIPHILE, METHODE DE PRODUCTION ET UTILISATION ASSOCIEE**

[71] TAM, MICHAEL K. C., CA

[22] 2018-02-06

[41] 2019-08-06

[21] **2,994,076**
[13] A1

[51] **Int.Cl. E04G 11/00 (2006.01)**

[25] EN

[54] **FORMWORK SYSTEM**

[54] **SYSTEME DE COFFRAGE**

[72] BECKER, ALLAN JAMES, CA

[71] BRAND SHARED SERVICES LLC, US

[22] 2018-02-06

[41] 2019-08-06

[21] **2,994,088**
[13] A1

[51] **Int.Cl. E06B 3/46 (2006.01) E06B 1/70 (2006.01)**

[25] EN

[54] **SLIDING DOOR DEFLECTOR FOR SWEEPING DOOR SILL**

[54] **DEFLECTEUR DE PORTE COULISSANTE SERVANT A BALAYER LE SEUIL DE PORTE**

[72] PERKO, STEVEN, CA

[71] PERKO, STEVEN, CA

[22] 2018-02-06

[41] 2019-08-06

[21] **2,994,127**
[13] A1

[51] **Int.Cl. G01N 19/02 (2006.01)**

[25] EN

[54] **APPARATUS FOR MEASUREMENT OF ROAD SURFACE FRICTION**

[54] **APPAREIL DE MESURE DE LA FRICTION DE SURFACE DE LA ROUTE**

[72] BROWN, GLEN, CA

[71] BROWN, GLEN, CA

[22] 2018-02-07

[41] 2019-08-07

[21] **2,994,128**
[13] A1

[51] **Int.Cl. B25J 9/18 (2006.01) B25J 5/02 (2006.01) B25J 11/00 (2006.01)**

[25] EN

[54] **FULLY AUTOMATED FAST-FOOD PREPARATION ROBOT SYSTEM**

[54] **SYSTEME ROBOTIQUE DE PREPARATION DE NOURRITURE RAPIDE ENTIEREMENT AUTOMATISE**

[72] MIHAI, NICULAE M. N., CA

[71] TECHNOACCORD INC., CA

[22] 2018-02-07

[41] 2019-08-07

[21] **2,994,312**
[13] A1

[51] **Int.Cl. B01D 21/30 (2006.01)**

[25] EN

[54] **A CONTROL SYSTEM AND AN ADAPTIVE ELECTROKINETIC DEWATERING SYSTEM INCORPORATING SAME FOR DEWATERING TAILINGS**

[54] **UN MECANISME DE CONTROLE ET UN SYSTEME DE DESHYDRATATION ELECTROCINETIQUE ADAPTATIF INCORPORANT LEDIT MECANISME EN VUE DE DESHYDRATER LES RESIDUS**

[72] MICAK, JAMES, CA

[72] HANNA, ED, CA

[72] ARMSTRONG, CLARE, CA

[72] SZABADOS, BARNA, CA

[72] SPENCER, STEVEN, CA

[72] KIMZEY, DOUG, US

[71] ELECTRO-KINETIC SOLUTIONS INC., CA

[22] 2018-02-08

[41] 2019-08-08

[21] **2,994,315**
[13] A1

[51] **Int.Cl. A61B 17/135 (2006.01) A61B 17/00 (2006.01)**

[25] EN

[54] **HEMOSTATIC DEVICE**

[54] **DISPOSITIF HEMOSTATIQUE**

[72] BELANGER, GUY, CA

[72] TOUPIN, STEPHAN, US

[72] MERCIER, NORMAND, CA

[71] TCI MS LTD, TC

[22] 2018-02-08

[41] 2019-08-08

[21] **2,994,316**
[13] A1

[51] **Int.Cl. A63B 71/02 (2006.01) A63B 67/00 (2006.01)**

[25] EN

[54] **BALL ROLLING TAG LAWN GAME APPARATUS AND METHOD**

[54] **APPAREIL ET METHODE DE JEU DE POURSUITE SUR GAZON A BALLE ROULANTE**

[72] KING, CHESTER G., CA

[72] SWAIN, STEPHANIE, CA

[71] KING, CHESTER G., CA

[71] SWAIN, STEPHANIE, CA

[22] 2018-02-08

[41] 2019-08-08

**Demandes canadiennes mises à la disponibilité du public
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[21] **2,994,317**
[13] A1

[51] **Int.Cl. A23P 20/20 (2016.01) A23P 20/00 (2016.01) A21D 13/10 (2017.01) A21D 13/14 (2017.01) A47J 9/00 (2006.01) A47J 43/20 (2006.01)**

[25] EN
[54] **APPARATUS AND METHODS FOR DEALING WITH EDIBLE GOODS**
[54] **APPAREIL ET METHODE DE TRAITEMENT DE BIENS COMESTIBLES**

[72] LIPARI, GEORGE JOHN, US
[71] LIPARI, GEORGE JOHN, US
[22] 2018-02-06
[41] 2019-08-06

[21] **2,994,325**
[13] A1

[51] **Int.Cl. A41D 19/015 (2006.01) A41D 13/08 (2006.01) A41D 27/20 (2006.01) A47G 23/02 (2006.01) A47J 45/10 (2006.01) A45F 5/00 (2006.01)**

[25] EN
[54] **BEVERAGE HOLDER GLOVE SYSTEM**
[54] **SYSTEME DE GANT DE SUPPORT DE BOISSON**

[72] MCKENZIE, SCOTT, CA
[72] ANTHONY, IAIN, CA
[71] MCKENZIE, SCOTT, CA
[71] ANTHONY, IAIN, CA
[22] 2018-02-08
[41] 2019-08-07
[30] US (15891161) 2018-02-07

[21] **2,994,380**
[13] A1

[51] **Int.Cl. A61F 13/53 (2006.01)**

[25] EN
[54] **SANITARY NAPKIN WITH BLACK TEA ADDITIVE FOR PERINEAL HEALING POST-DELIVERY OF A NEWBORN BABY**
[54] **SERVIETTE HYGIENIQUE DOTEE D'UN ADDITIF AU THE NOIR EN VUE DE GUERIR LE PERINEE APRES L'ACCOUCHEMENT**

[72] KOOY, MICHELLE J., CA
[71] KOOY, MICHELLE J., CA
[22] 2018-02-08
[41] 2019-08-08

[21] **2,994,460**
[13] A1

[51] **Int.Cl. A61B 5/0408 (2006.01) A61B 5/0428 (2006.01) H05K 1/11 (2006.01) H05K 1/02 (2006.01)**

[25] EN
[54] **PATCH TYPE ELECTROCARDIOGRAM SENSOR**
[54] **CAPTEUR D'ELECTROCARDIOGRAMME DE TYPE TRANSDERMIQUE**

[72] MOON, BYUNG, CA
[71] MOON, BYUNG, CA
[22] 2018-02-09
[41] 2019-08-09

[21] **2,994,494**
[13] A1

[51] **Int.Cl. F03D 1/00 (2006.01)**

[25] EN
[54] **HIGH EFFICIENCY WIND-TURBINE**
[54] **EOLIENNE HAUTE EFFICACITE**

[72] VEINBERG, LEONID, CA
[71] VEINBERG, LEONID, CA
[22] 2018-02-09
[41] 2019-08-09

[21] **2,994,617**
[13] A1

[51] **Int.Cl. A61B 8/06 (2006.01) G16H 30/00 (2018.01) A61B 8/00 (2006.01)**

[25] EN
[54] **METHOD FOR DETECTING AND QUANTITATIVELY ASSESSING CARDIAC DYSSYNCHRONY**
[54] **METHODE DE DETECTION ET D'EVALUATION QUANTITATIVE D'ASYNCHRONISME CARDIAQUE**

[72] ZAREMBA, THOMAS, DK
[71] REGION NORDJYLLAND, AALBORG UNIVERSITY HOSPITAL, DK
[22] 2018-02-09
[41] 2019-08-09

[21] **2,994,745**
[13] A1

[51] **Int.Cl. A61C 7/14 (2006.01) A61C 7/28 (2006.01)**

[25] EN
[54] **LOW PROFILE ORTHODONTIC BRACKET**
[54] **SUPPORT ORTHODONTIQUE A PROFIL BAS**

[72] VOUDOURIS, JOHN C., CA
[71] SPARTAN ORTHODONTICS INC., CA
[22] 2018-02-09
[41] 2019-08-09

[21] **2,994,856**
[13] A1

[51] **Int.Cl. H04W 12/08 (2009.01) G06Q 20/40 (2012.01) H04W 4/021 (2018.01)**

[25] EN
[54] **REAL-TIME AUTHORIZATION OF INITIATED DATA EXCHANGES BASED ON TOKENIZED DATA HAVING LIMITED TEMPORAL OR GEOGRAPHIC VALIDITY**
[54] **AUTORISATION EN TEMPS REEL D'ECHANGES DE DONNEES INITIATES FONDEE SUR LES DONNEES A JETON AYANT UNE VALIDITE TEMPORAIRE OU GEOGRAPHIQUE LIMITEE**

[72] D'AGOSTINO, DINO PAUL, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] TSERETOPOULOS, DEAN C.N., CA
[72] ECKER, JEFFREY AARON, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] DUNJIC, MILOS, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-02-12
[41] 2019-08-09
[30] US (15/892,844) 2018-02-09

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[21] **2,994,877**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) H04W 4/00 (2018.01) G07C 13/00 (2006.01)**
[25] EN
[54] **INTERACTIVE SPORT COACHING SYSTEM**
[54] **SYSTEME D'ENTRAINEMENT SPORTIF INTERACTIF**
[72] CAMPBELL, MARLAN, CA
[71] CAMPBELL, MARLAN, CA
[22] 2018-02-13
[41] 2019-08-09
[30] US (15893555) 2018-02-09

[21] **2,996,575**
[13] A1

[51] **Int.Cl. A01G 3/08 (2006.01) B26B 1/02 (2006.01)**
[25] EN
[54] **CANNABIS BUD TRIMMING TOOL CLEANING DEVICE AND METHODOLOGY**
[54] **DISPOSITIF DE NETTOYAGE D'OUTIL D'EFFEUILLAGES DE BOUTON DE CANNABIS**
[72] BROOKS, MARY ELIZABETH ANN, CA
[71] BROOKS, MARY ELIZABETH ANN, CA
[22] 2018-02-27
[41] 2019-08-06
[30] US (62/627,092) 2018-02-06

[21] **2,999,171**
[13] A1

[51] **Int.Cl. A01K 5/00 (2006.01) A01K 5/01 (2006.01)**
[25] EN
[54] **ANIMAL FEEDER APPARATUS**
[54] **APPAREIL D'ALIMENTATION D'ANIMAUX**
[72] BREHMER, JAMIE, US
[72] BREHMER, JOEY, US
[71] BREHMER MANUFACTURING, US
[22] 2018-03-23
[41] 2019-08-06
[30] US (15/889,351) 2018-02-06

[21] **3,002,039**
[13] A1

[51] **Int.Cl. B01D 9/02 (2006.01) B01D 1/00 (2006.01)**
[25] EN
[54] **REMOVAL OF DISSOLVED CARBOHYDRATES FROM A SULFURIC ACID SOLUTION**
[54] **RETRAIT D'HYDRATES DE CARBONE DISSOUTS D'UNE SOLUTION D'ACIDE SULFURIQUE**
[72] LOCKHART, JAMES M., CA
[72] BUCHI, STEVEN D., CA
[71] NORAM ENGINEERING AND CONSTRUCTORS LTD., CA
[22] 2018-04-17
[41] 2019-08-05
[30] US (62/626,570) 2018-02-05

[21] **3,003,845**
[13] A1

[51] **Int.Cl. A41D 27/00 (2006.01) A41D 1/00 (2018.01) A41D 1/02 (2006.01) A41D 1/06 (2006.01) A41D 27/12 (2006.01)**
[25] EN
[54] **BARRIER PANEL FOR SELECTIVE COUPLING BETWEEN JACKET AND TROUSERS**
[54] **PANNEAU BARRIERE DESTINE AU RACCORDEMENT SELECTIF ENTRE UNE CHEMISE ET UN PANTALON**
[72] REIMER, MILTON D., CA
[71] REIMER, MILTON D., CA
[22] 2018-05-03
[41] 2019-08-09
[30] US (62/628667) 2018-02-09

[21] **3,010,128**
[13] A1

[51] **Int.Cl. F16K 51/00 (2006.01) E03C 1/04 (2006.01) E03C 1/044 (2006.01) F16K 11/00 (2006.01)**
[25] EN
[54] **FIXING STRUCTURE FOR PROTECTIVE COVER OF VALVE ASSEMBLY**
[54] **STRUCTURE DE FIXATION DESTINEE A UN COUVERCLE PROTECTEUR DE MECANISME DE VALVE**
[72] CHANG, TACHUN, CN
[72] XIAO, YUEPING, CN
[72] HE, KAIZHONG, CN
[71] GLOBE UNION INDUSTRIAL CORP., CN
[22] 2018-06-29
[41] 2019-08-08
[30] CA (201820229229.6) 2018-02-08

[21] **3,010,130**
[13] A1

[51] **Int.Cl. F16K 27/00 (2006.01) F16K 11/00 (2006.01) F16K 27/04 (2006.01)**
[25] EN
[54] **VALVE CORE CONNECTION STRUCTURE AND STOP VALVE SET OF VALVE ASSEMBLY**
[54] **STRUCTURE DE CONNEXION DE NOYAU DE VALVE ET ENSEMBLE DE VALVE D'ARRET DE L'ENSEMBLE DE VALVE**
[72] CHANG, TACHUN, CN
[72] XIAO, YUEPING, CN
[72] HE, KAIZHONG, CN
[71] GLOBE UNION INDUSTRIAL CORP., CN
[22] 2018-06-29
[41] 2019-08-08
[30] CN (201810129702.8) 2018-02-08

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[21] **3,010,262**
[13] A1

[51] **Int.Cl. F16K 43/00 (2006.01) F16K 11/00 (2006.01) G01M 3/28 (2006.01)**
[25] EN
[54] **TEST CYLINDER OF VALVE ASSEMBLY AND CONNECTION STRUCTURE FOR THE SAME**
[54] **CYLINDRE DE TEST DE MECANISME DE VALVE ET STRUCTURE DE CONNEXION ASSOCIEE**
[72] CHANG, TACHUN, TW
[72] XIAO, YUEPING, CN
[72] HE, KAIZHONG, CN
[71] GLOBE UNION INDUSTRIAL CORP., TW
[22] 2018-06-29
[41] 2019-08-08
[30] CN (201820229183.8) 2018-02-08

[21] **3,013,512**
[13] A1

[51] **Int.Cl. F24C 7/06 (2006.01) A47J 37/07 (2006.01) A47J 37/12 (2006.01) F24C 7/08 (2006.01) F24C 15/36 (2006.01) H01R 13/453 (2006.01)**
[25] EN
[54] **WEATHER-RESISTANT ELECTRICAL CONNECTOR**
[54] **CONNECTEUR ELECTRIQUE RESISTANT AUX INTEMPERIES**
[72] MURAD, DAVID, US
[72] CHEN, RISHENG, NC
[71] TEAM INTERNATIONAL GROUP OF AMERICA INC., US
[22] 2018-08-07
[41] 2019-08-06
[30] US (16/012,593) 2018-06-19
[30] US (62/626,754) 2018-02-06

[21] **3,023,531**
[13] A1

[51] **Int.Cl. G09B 23/32 (2006.01)**
[25] EN
[54] **HUMAN ANATOMIC MODELS FOR USE IN SURGICAL SIMULATION HAVING SYNTHETIC TISSUE PLANS**
[54] **MODELES ANATOMIQUES HUMAINS UTILISES DANS LA SIMULATION DE CHIRURGIE AYANT DES PLANS DE TISSUS SYNTHETIQUES**
[72] TURK, WILLIAM, CA
[72] PETROPOLIS, CHRISTIAN, CA
[71] TURK, WILLIAM, CA
[71] PETROPOLIS, CHRISTIAN, CA
[22] 2018-11-08
[41] 2019-08-08
[30] US (62627853) 2018-02-08

[21] **3,010,280**
[13] A1

[51] **Int.Cl. F16K 51/00 (2006.01) E03C 1/04 (2006.01) E03C 1/044 (2006.01) F16K 11/00 (2006.01)**
[25] EN
[54] **VALVE ASSEMBLY CAPABLE OF INDICATING DEPTH**
[54] **MECANISME DE VALVE CAPABLE D'INDIQUER LA PROFONDEUR**
[72] CHANG, TACHUN, CN
[72] XIAO, YUEPING, CN
[72] HE, KAIZHONG, CN
[71] GLOBE UNION INDUSTRIAL CORP., CN
[22] 2018-06-29
[41] 2019-08-08
[30] CN (201820230885.8) 2018-02-08

[21] **3,020,008**
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) B01F 3/04 (2006.01) B01F 5/04 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIRECT STEAM INJECTION INTO SLURRIES**
[54] **SYSTEME ET METHODE D'INJECTION DE VAPEUR DIRECTE DANS LES BOUES**
[72] SERATE, DUANE, CA
[72] LIU, HAIFENG, CA
[72] ABREU, JOSE, CA
[72] AJEDEGBA, JOHN, CA
[71] CANADIAN NATURAL UPGRADING LIMITED, CA
[22] 2018-10-05
[41] 2019-08-06
[30] US (62/627,039) 2018-02-06

[21] **3,025,544**
[13] A1

[51] **Int.Cl. B23P 19/00 (2006.01)**
[25] EN
[54] **FLANGE REMOVAL TOOL ASSEMBLY**
[54] **ENSEMBLE D'OUTIL D'EXTRACTION DE BRIDE**
[72] WINSLOW, EDWIN RAY, US
[72] CREECH, SAMMY H., US
[72] KIRCHHEIMER, PAUL GUSTAV, US
[71] KIDDE TECHNOLOGIES, INC., US
[22] 2018-11-27
[41] 2019-08-07
[30] US (15/891,026) 2018-02-07

[21] **3,026,852**
[13] A1

[51] **Int.Cl. H01H 73/02 (2006.01) B64C 1/18 (2006.01) B64D 45/00 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **FAULT INTERRUPT MODULE**
[54] **MODULE D'INTERRUPTION DE DEFAILLANCE**
[72] SHEARER, JON, US
[71] GOODRICH CORPORATION, US
[22] 2018-12-06
[41] 2019-08-07
[30] US (62/627,365) 2018-02-07

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August 4, 2019 to August 10, 2019**

[21] **3,026,946**
[13] A1

[51] **Int.Cl. A47G 33/06 (2006.01) H05B 37/00 (2006.01) H05B 37/02 (2006.01)**
[25] EN
[54] **CHRISTMAS TREE WITH DC OUTLETS FOR POWERING LED LIGHT STRINGS**
[54] **ARBRE DE NOEL DOTE DE PRISES CC DESTINEES A L'ALIMENTATION DE GUIRLANDES D'ECLAIRAGE DEL**
[72] JANNING, JOHN L., US
[71] JLJ, INC., US
[22] 2018-12-10
[41] 2019-08-05
[30] US (62/626,229) 2018-02-05
[30] US (62/627,885) 2018-02-08
[30] US (15/913,244) 2018-03-06

[21] **3,027,681**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) A61B 5/0205 (2006.01) A61B 5/0402 (2006.01) F24F 11/00 (2018.01)**
[25] EN
[54] **PASSENGER COMFORT SYSTEM**
[54] **MECANISME DE CONFORT DE PASSAGER**
[72] BERKEY, TYLER E., US
[72] THOMAS, DANIEL S., US
[71] THE BOEING COMPANY, US
[22] 2018-12-13
[41] 2019-08-06
[30] US (15/889,297) 2018-02-06

[21] **3,028,065**
[13] A1

[51] **Int.Cl. A61C 19/00 (2006.01) G16H 15/00 (2018.01) A61C 19/04 (2006.01) A61D 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR ANIMAL DENTAL CHARTING**
[54] **SYSTEME ET METHODES DE CONSIGNATION DE DENTITION ANIMALE**
[72] HAWS, IAN JAMES, CA
[72] CAMPBELL, GARY EDWIN, CA
[71] ANIMAL DENTAL CHART INC., CA
[22] 2018-12-19
[41] 2019-08-07
[30] US (62/627,471) 2018-02-07

[21] **3,028,099**
[13] A1

[51] **Int.Cl. A01B 33/02 (2006.01) A01B 21/08 (2006.01) A01B 23/06 (2006.01) A01B 33/08 (2006.01) A01B 35/28 (2006.01)**
[25] EN
[54] **TILLAGE MACHINE AND TILLAGE DISK FOR THE SAME**
[54] **MACHINE DE LABOURAGE ET DISQUE DE LABOURAGE DE LADITE MACHINE**
[72] JANELLE, LUC, US
[72] STEINLAGE, DAVID L., US
[72] CROSS, JACOB W., US
[72] BUSE, GREG T., US
[72] BARTAKKE, ROHIT, US
[71] DEERE & COMPANY, US
[22] 2018-12-19
[41] 2019-08-07
[30] US (15/891,134) 2018-02-07

[21] **3,028,382**
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) E06B 3/32 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **AIRCRAFT PRIVACY DOOR AND DOOR FRAME ASSEMBLY**
[54] **PORTE INTIMITE DESTINEE A UN AERONEF ET ASSEMBLAGE DE CADRE DE PORTE**
[72] MOVSESIAN, SAMI, US
[72] SAUER, STEVEN H., US
[71] THE BOEING COMPANY, US
[22] 2018-12-21
[41] 2019-08-08
[30] US (62/628254) 2018-02-08
[30] US (15/935259) 2018-03-26
[30] US (15/935318) 2018-03-26

[21] **3,028,391**
[13] A1

[51] **Int.Cl. B64D 31/06 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR CONTROLLING THRUST PRODUCED BY A PLURALITY OF ENGINES ON AN AIRCRAFT FOR ASSISTING WITH CERTAIN FLIGHT CONDITIONS**
[54] **METHODES ET SYSTEMES DE CONTROLE DE LA POUSSEE PRODUITE PAR UNE PLURALITE DE MOTEURS SUR UN AERONEF AFIN D'AIDER LORS DE CERTAINES CONDITIONS DE VOL**
[72] MILLS, NIKOS, US
[72] EGGOLD, DAVID, US
[72] HAUGEGERG, HEIDI, US
[72] WILSON, DOUGLAS, US
[72] INDERHEES, LEONARD, US
[72] BELAND, STEVEN, US
[72] KARNOFSKI, KENT, US
[72] HODGES, CHRISTOPHER, US
[71] THE BOEING COMPANY, US
[22] 2018-12-20
[41] 2019-08-06
[30] US (15/889306) 2018-02-06

[21] **3,028,428**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING AN ADAPTIVE ACTION CAMPAIGN INVOLVING A PLURALITY OF USERS**
[54] **METHODE ET SYSTEME DE GENERATION D'UNE CAMPAGNE DE MESURE ADAPTATIVE IMPLIQUANT UNE PLURALITE D'UTILISATEURS**
[72] PUVANACHANDRAN, RAVI, CA
[71] INTOUCH INSIGHT LTD., CA
[22] 2018-12-21
[41] 2019-08-06
[30] US (62/626,735) 2018-02-06

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[21] **3,028,898**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **ROW UNIT FOR A SEEDING MACHINE WITH PNEUMATIC SEED LOADING**
[54] **RAYONNEUR DESTINE A UN SEMOIR A CHARGEMENT DE SEMENCE PNEUMATIQUE**
[72] GARNER, ELIJAH B., US
[72] BORKGREN, STANLEY R., US
[72] HUBNER, CARY S., US
[72] WOLFS, BETH A., US
[72] FRASIER, MICHAEL E., US
[72] MIGLIORINI, JOSEPH W., US
[71] DEERE & COMPANY, US
[22] 2019-01-04
[41] 2019-08-05
[30] US (15/888,868) 2018-02-05

[21] **3,028,902**
[13] A1

[51] **Int.Cl. B60N 2/22 (2006.01) B60N 2/225 (2006.01)**
[25] EN
[54] **ADJUSTMENT DEVICE**
[54] **DISPOSITIF D'AJUSTEMENT**
[72] EMMRICH, STEFAN, DE
[71] KOKINETICS GMBH, DE
[22] 2019-01-03
[41] 2019-08-08
[30] DE (DE 10 2018 102 823.7) 2018-02-08
[30] DE (DE 10 2018 106 419.5) 2018-03-20

[21] **3,029,612**
[13] A1

[51] **Int.Cl. E21B 10/56 (2006.01) E21B 10/62 (2006.01)**
[25] EN
[54] **FIXED CUTTER DRILL BIT HAVING SPHERICAL CUTTER ORIENTING SYSTEM**
[54] **FORET DE COUPE FIXE COMPORTANT UN SYSTEME D'ORIENTATION DE COUPE SPHERIQUE**
[72] BELLIN, FEDERICO, US
[72] NEAL, PATRICIA, US
[72] CISNEROS, DENNIS, US
[71] VAREL INTERNATIONAL IND., L.L.C., US
[22] 2019-01-10
[41] 2019-08-05
[30] US (62/626,380) 2018-02-05

[21] **3,029,962**
[13] A1

[51] **Int.Cl. B32B 3/12 (2006.01) B32B 3/24 (2006.01) B32B 7/12 (2006.01) B32B 37/00 (2006.01) B64C 1/40 (2006.01) B64D 29/00 (2006.01) G10K 11/168 (2006.01)**
[25] EN
[54] **THERMOPLASTIC BONDING PROCESS FOR ACOUSTICALLY TREATED LINEAR FACESHEETS**
[54] **PROCEDE DE LIAISON THERMOPLASTIQUE DESTINE A DES FEUILLES PROTECTRICES TRAITEES ACOUSTIQUEMENT**
[72] THOMAS, HOLLY J., US
[72] LAUDER, ARNOLD J., US
[72] ELLEBY, MARTA B., US
[72] OZOG, STEFAN, US
[71] THE BOEING COMPANY, US
[22] 2019-01-14
[41] 2019-08-09
[30] US (15/893043) 2018-02-09

[21] **3,030,351**
[13] A1

[51] **Int.Cl. A01C 5/06 (2006.01) A01C 7/08 (2006.01) B60B 33/00 (2006.01)**
[25] EN
[54] **TRACKED AGRICULTURAL IMPLEMENT HAVING A CASTER WHEEL ASSEMBLY**
[54] **ACCESSOIRE AGRICOLE TRACTE EQUIPE D'UN MECANISME DE ROULETTE**
[72] DEKAM, MONTE LEE, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2019-01-17
[41] 2019-08-07
[30] US (15/890,982) 2018-02-07

[21] **3,031,104**
[13] A1

[51] **Int.Cl. B23B 5/16 (2006.01) B26B 9/00 (2006.01)**
[25] EN
[54] **BLADE FOR A STRIPPING AND CUTTING TOOL**
[54] **LAME D'OUTIL DE DECAPAGE ET DE COUPE**
[72] RAIBLE, MORITZ, DE
[71] GEORG FISCHER ROHRLEITUNGSSYSTEME AG, CH
[22] 2019-01-22
[41] 2019-08-06
[30] EP (18 155 222.5) 2018-02-06

[21] **3,031,120**
[13] A1

[51] **Int.Cl. B64C 13/38 (2006.01) G05G 11/00 (2006.01)**
[25] EN
[54] **FLIGHT CONTROL SYSTEMS AND METHODS FOR AN AERIAL VEHICLE**
[54] **SYSTEMES ET METHODES DE CONTROLE DE VOL DESTINES A UN VEHICULE AERIEN**
[72] JOHNSON, MITCHELL, US
[71] THE BOEING COMPANY, US
[22] 2019-01-23
[41] 2019-08-05
[30] US (15/888957) 2018-02-05

[21] **3,031,129**
[13] A1

[51] **Int.Cl. A01D 34/82 (2006.01) A01D 34/412 (2006.01)**
[25] EN
[54] **CUTTING BLADE**
[54] **LAME DE COUPE**
[72] MAYERLE, DEAN, CA
[71] MAYERLE, DEAN, CA
[22] 2019-01-23
[41] 2019-08-05
[30] US (62626205) 2018-02-05
[30] US (62686438) 2018-06-18

[21] **3,031,130**
[13] A1

[51] **Int.Cl. A47C 16/02 (2006.01) A47B 39/12 (2006.01) A47B 41/00 (2006.01) A47C 7/50 (2006.01)**
[25] EN
[54] **DESK AND PROPRIOCEPTIVE FOOT STIMULATOR ASSEMBLY**
[54] **ASSEMBLAGE DE BUREAU ET DE STIMULATEUR DE PIED PROPRIOCEPTIF**
[72] ASMUTH, TOM, US
[72] SAUL, GREG, US
[71] SCHOOL SPECIALTY, INC., US
[22] 2019-01-22
[41] 2019-08-06
[30] US (15/889,801) 2018-02-06

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[21] **3,031,276**
[13] A1

[51] **Int.Cl. G01B 7/30 (2006.01) G01V 3/08 (2006.01) G02B 27/01 (2006.01)**

[25] EN

[54] **COMPENSATING FOR DISTORTION IN AN ELECTROMAGNETIC TRACKING SYSTEM**

[54] **COMPENSATION DE LA DISTORSION DANS UN SYSTEME DE SUIVI ELECTROMAGNETIQUE**

[72] SCHNEIDER, MARK ROBERT, US

[72] FUJIOKA, KENJI, US

[71] ASCENSION TECHNOLOGY CORPORATION, US

[22] 2019-01-24

[41] 2019-08-08

[30] US (62/627897) 2018-02-08

[21] **3,031,817**
[13] A1

[51] **Int.Cl. F16K 31/60 (2006.01) F16K 5/08 (2006.01)**

[25] EN

[54] **BALL VALVE WITH VISUAL STEM-CAP ENGAGEMENT**

[54] **CLAPET A BILLE COMPORTANT UN ENGAGEMENT VISUEL TIGE-CAPUCHON**

[72] HARBOUR, THEODORE C., US

[72] CRAWFORD, STEPHEN L., US

[71] MUELLER INTERNATIONAL, LLC, US

[22] 2019-01-29

[41] 2019-08-05

[30] US (15/888,679) 2018-02-05

[21] **3,031,939**
[13] A1

[51] **Int.Cl. A47B 47/00 (2006.01) A47B 47/02 (2006.01) A47B 96/06 (2006.01) A47B 96/14 (2006.01) A47G 29/00 (2006.01) B25H 3/04 (2006.01)**

[25] EN

[54] **WALL HANGING GARAGE SHELF AND RACK STORAGE SYSTEM**

[54] **SYSTEME DE RANGEMENT DE GARAGE A ETAGERE ET SUPPORT SUSPENDU AU MUR**

[72] NEWMAN, JARED J., US

[71] NEWMAN, JARED J., US

[22] 2019-01-28

[41] 2019-08-05

[30] US (15/889,036) 2018-02-05

[30] US (16/200,271) 2018-11-26

[21] **3,032,135**
[13] A1

[51] **Int.Cl. H02J 13/00 (2006.01) H02J 1/00 (2006.01) H03K 17/30 (2006.01)**

[25] EN

[54] **POWER SUPPLY CONTROL APPARATUS**

[54] **APPAREIL DE CONTROLE D'ALIMENTATION ELECTRIQUE**

[72] YAN, JUN, GB

[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH

[22] 2019-01-31

[41] 2019-08-09

[30] EP (18156059.0) 2018-02-09

[21] **3,032,140**
[13] A1

[51] **Int.Cl. B64D 27/02 (2006.01) B64C 21/06 (2006.01) B64D 27/14 (2006.01) B64D 29/04 (2006.01) B64D 33/02 (2006.01)**

[25] EN

[54] **AIRCRAFT HAVING AN AFT ENGINE**

[54] **AERONEF EQUIPE D'UN MOTEUR ARRIERE**

[72] YAO, JIXIAN, US

[72] PASTOUCHENKO, NIKOLAI N., US

[72] LONNEMAN, PATRICK JOHN, US

[72] MARRINAN, PATRICK MICHAEL, US

[72] CEDAR, RICHARD DAVID, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2019-01-31

[41] 2019-08-07

[30] US (15/890,785) 2018-02-07

[21] **3,032,174**
[13] A1

[51] **Int.Cl. B62D 33/027 (2006.01)**

[25] EN

[54] **ROTATABLE TAILGATE**

[54] **HAYON ARRIERE PIVOTANT**

[72] LIFFRIG, DAVID P., US

[72] MILLS, ERNIE B., US

[72] VAUGHN, DAVID, US

[71] THE NORTH AMERICAN COAL CORPORATION, US

[22] 2019-01-31

[41] 2019-08-05

[30] US (62/709,923) 2018-02-05

[21] **3,032,451**
[13] A1

[51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/58 (2006.01) C09K 8/60 (2006.01) E21B 43/34 (2006.01)**

[25] EN

[54] **METHOD OF SELECTION OF ASPHALTENE PRECIPITANT ADDITIVES AND PROCESS FOR SUBSURFACE UPGRADING THEREWITH**

[54] **METHODE DE SELECTION D'ADDITIFS PRECIPITANTS D'ASPHALTENE ET PROCEDE DE VALORISATION DE SURFACE DE LADITE METHODE**

[72] OVALLES, CESAR, US

[72] ROGEL, ESTRELLA, US

[72] BENSON, IAN PHILLIP, US

[72] BEHRENS, RONALD, US

[71] CHEVRON U.S.A. INC., US

[22] 2019-02-01

[41] 2019-08-07

[30] US (15/890459) 2018-02-07

[21] **3,032,522**
[13] A1

[51] **Int.Cl. B27B 27/02 (2006.01) B27B 27/10 (2006.01)**

[25] EN

[54] **FENCE FOR TABLE SAW**

[54] **CLOTURE DE SCIE D'ETABLI**

[72] DUTTERER, DAVID E., US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[22] 2019-02-04

[41] 2019-08-07

[30] US (62/627,486) 2018-02-07

[21] **3,032,543**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01)**

[25] EN

[54] **REAL-TIME PROCESSING OF REQUESTS RELATED TO FACILITATING USE OF AN ACCOUNT**

[54] **TRAITEMENT EN TEMPS REEL DE DEMANDES VISANT A FACILITER L'UTILISATION D'UN COMPTE**

[72] PHILLIPS, JEREMY, US

[72] LIU, ZHE, US

[72] LIU, WENJIE, US

[71] CAPITAL ONE SERVICES, LLC, US

[22] 2019-02-04

[41] 2019-08-05

[30] US (15/888277) 2018-02-05

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[21] **3,032,566**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **ROW UNIT FOR A SEEDING MACHINE WITH PNEUMATIC SEED LOADING**
[54] **RAYONNEUR DESTINE A UN SEMOIR A CHARGEMENT DE SEMENCE PNEUMATIQUE**
[72] GARNER, ELIJAH B., US
[72] BORKGREN, STANLEY R., US
[72] HUBNER, CARY S., US
[72] WOLFS, BETH A., US
[72] FRASIER, MICHAEL E., US
[72] MIGLIORINI, JOSEPH W., US
[71] DEERE & COMPANY, US
[22] 2019-02-04
[41] 2019-08-05
[30] US (15/888,912) 2018-02-05

[21] **3,032,575**
[13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **ROW UNIT FOR A SEEDING MACHINE WITH PNEUMATIC SEED LOADING**
[54] **RAYONNEUR DESTINE A UN SEMOIR A CHARGEMENT DE SEMENCE PNEUMATIQUE**
[72] GARNER, ELIJAH B., US
[72] BORKGREN, STANLEY R., US
[72] HUBNER, CARY S., US
[72] WOLFS, BETH A., US
[72] FRASIER, MICHAEL E., US
[72] MIGLIORINI, JOSEPH W., US
[72] HELMICK, KRISS, US
[72] FELTON, KEITH, US
[72] NATARAJAN, KAMALAKANNAN, IN
[71] DEERE & COMPANY, US
[22] 2019-02-04
[41] 2019-08-05
[30] US (15/888,882) 2018-02-05

[21] **3,032,673**
[13] A1

[51] **Int.Cl. H04L 12/701 (2013.01) H04L 12/16 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **ROUTING FOR LARGE SERVER DEPLOYMENTS**
[54] **ROUTAGE DESTINE AU DEPLOIEMENT DE GRANDS SERVEURS**
[72] GOODSITT, JEREMY, US
[72] WALTERS, AUSTIN, US
[72] ABDI TAGHI ABAD, FARDIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-02-05
[41] 2019-08-09
[30] US (15/892,795) 2018-02-09

[21] **3,032,674**
[13] A1

[51] **Int.Cl. G06N 3/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **AUTOMATICALLY SCALING NEURAL NETWORKS BASED ON LOAD**
[54] **MISE A L'ECHELLE AUTOMATIQUE DE RESEAUX NEURONAUX FONDEE SUR LA CHARGE**
[72] WALTERS, AUSTIN, US
[72] GOODSITT, JEREMY, US
[72] ABDI TAGHI ABAD, FARDIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-02-05
[41] 2019-08-09
[30] US (15/892, 819) 2018-02-09

[21] **3,032,678**
[13] A1

[51] **Int.Cl. F16B 2/00 (2006.01) A44B 18/00 (2006.01) F16G 11/10 (2006.01) H02G 3/02 (2006.01)**
[25] EN
[54] **RFID ENHANCED FIXTURING APPARATUS**
[54] **APPAREIL DE FIXATION AMELIOREE RFID**
[72] FENNELL, MICHAEL P., US
[71] FENNELL, MICHAEL P., US
[22] 2019-02-05
[41] 2019-08-06
[30] US (15/889,999) 2018-02-06

[21] **3,032,682**
[13] A1

[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/22 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **METHOD FOR MANAGING INFORMATION USING TREE STRUCTURE BASED ON BLOCKCHAIN, SERVER AND TERMINAL USING THE SAME**
[54] **METHODE DE GESTION DE L'INFORMATION EMPLOYANT UNE STRUCTURE D'ARBRE FONDEE SUR UNE CHAINE DE BLOC, UN SERVEUR ET UN TERMINAL EMPLOYANT LADITE METHODE**
[72] UHR, JOON SUN, KR
[72] HONG, JAY WU, KR
[72] SONG, JOO HAN, KR
[72] SUH, MOON GJU, KR
[71] COINPLUG, INC., KR
[22] 2019-02-05
[41] 2019-08-06
[30] KR (10-2018-0014749) 2018-02-06

[21] **3,032,715**
[13] A1

[51] **Int.Cl. F21S 4/20 (2016.01) F21K 9/66 (2016.01) F21K 9/69 (2016.01) H05B 37/00 (2006.01)**
[25] EN
[54] **LOW-VOLTAGE LIGHT STRIP**
[54] **BANDE D'ECLAIRAGE BASSE TENSION**
[72] LI, XIAOPING, CN
[71] GUANGDONG OML TECHNOLOGY CO., LTD, CN
[22] 2019-02-05
[41] 2019-08-06
[30] CN (201820201711.9) 2018-02-06

[21] **3,032,716**
[13] A1

[51] **Int.Cl. B65G 69/34 (2006.01) B65G 69/28 (2006.01)**
[25] EN
[54] **SHOCK ABSORBING DOCK LEVELER LIP**
[54] **LEVRE DE NIVELEUR DE QUAI A AMORTISSEMENT**
[72] DESLAURIERS, JEAN, CA
[71] PRODUITS HEVEA INC., CA
[22] 2019-02-05
[41] 2019-08-06
[30] US (62/626.848) 2018-02-06

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[21] **3,032,723**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/40 (2013.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM FOR AUTHORISING DATA ACCESS**
[54] **SYSTEME D'AUTORISATION D'ACCES AUX DONNEES**
[72] FORREST, MICHAEL, GB
[71] BARCLAYS SERVICES LIMITED, GB
[22] 2019-02-05
[41] 2019-08-06
[30] EP (18155399.1) 2018-02-06

[21] **3,032,726**
[13] A1

[51] **Int.Cl. A63B 63/08 (2006.01)**
[25] EN
[54] **SPRING LOADED INFINITE ADJUST BASKETBALL LIFT SYSTEM**
[54] **SYSTEME DE LEVAGE DE BALLON-PANIER A AJUSTEMENT INFINI A RESSORT**
[72] WHITE, RONALD, US
[71] RUSSELL BRANDS, LLC, US
[22] 2019-02-05
[41] 2019-08-10
[30] US (16/150,027) 2018-02-10

[21] **3,032,732**
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/88 (2006.01) A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/40 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A PATIENT-SPECIFIC PROSTHESIS FOR A FRACTURED LONG BONE**
[54] **METHODE DE FABRICATION D'UNE PROTHESE PROPRE AU PATIENT DESTINEE A UN OS LONG FRACTURE**
[72] COULANGE, VINCENT, FR
[72] COURTADE-JOUANICQ, CELINE, FR
[72] GARGAC, SHAWN, US
[72] GODELU, MARINE, FR
[72] ROGNIN, GUILLAUME, FR
[71] TORNIER, FR
[22] 2019-02-05
[41] 2019-08-06
[30] EP (18305118.4) 2018-02-06

[21] **3,032,779**
[13] A1

[51] **Int.Cl. H05K 5/02 (2006.01) H02J 50/10 (2016.01) H05K 7/10 (2006.01)**
[25] EN
[54] **CONFIGURABLE ELECTRONICS PACKAGES**
[54] **ENSEMBLES ELECTRONIQUES CONFIGURABLES**
[72] TREIBLE, DANIEL ROBERT, JR., US
[72] JAYAWARDENA, ADIKARAMGE ASIRI, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-02-05
[41] 2019-08-09
[30] US (15/893314) 2018-02-09

[21] **3,032,781**
[13] A1

[51] **Int.Cl. G03G 9/08 (2006.01)**
[25] EN
[54] **TONERS EXHIBITING REDUCED MACHINE ULTRAFINE PARTICLE (UFP) EMISSIONS AND RELATED METHODS**
[54] **ENCRESES SECHES PRESENTANT DES EMISSIONS DE PARTICULES ULTRAFINES DE MACHINE REDUITES ET METHODES ASSOCIEES**
[72] PAWAR, SIDDHESH NITIN, US
[72] MORALES-TIRADO, JUAN A., US
[72] KMIECIK-LAWRYNOWICZ, GRAZYNA E., US
[72] ASARESE, DANIEL W., US
[72] FRANK, JORDAN A., US
[71] XEROX CORPORATION, US
[22] 2019-02-05
[41] 2019-08-08
[30] US (15/891818) 2018-02-08

[21] **3,032,840**
[13] A1

[51] **Int.Cl. G09B 3/00 (2006.01) A63F 3/00 (2006.01) G09B 19/00 (2006.01) G09B 19/02 (2006.01)**
[25] EN
[54] **EDUCATIONAL GAME**
[54] **JEU EDUCATIF**
[72] PESTANO, CLYDE, CA
[71] PESTANO, CLYDE, CA
[22] 2019-02-06
[41] 2019-08-06
[30] US (62/626737) 2018-02-06

[21] **3,032,843**
[13] A1

[51] **Int.Cl. B28B 7/34 (2006.01) B28B 1/14 (2006.01)**
[25] EN
[54] **MOLD FOR MANUFACTURING SLAB AND MANUFACTURING METHOD THEREOF**
[54] **MOULE DE FABRICATION D'UNE DALLE ET METHODE DE FABRICATION ASSOCIEE**
[72] YANG, HO SEOK, KR
[71] JEONJIN CO., LTD., KR
[22] 2019-02-06
[41] 2019-08-06
[30] KR (10-2018-0014742) 2018-02-06

[21] **3,032,847**
[13] A1

[51] **Int.Cl. F16C 33/76 (2006.01) F16J 15/3252 (2016.01) F16J 15/3296 (2016.01) F03B 11/06 (2006.01)**
[25] EN
[54] **SEALED BEARING MODULE**
[54] **MODULE DE PALIER SCELLE**
[72] BAUMANN, MICHAEL, DE
[72] HOFMANN, MATTHIAS, DE
[71] AKTIEBOLAGET SKF, SE
[22] 2019-02-06
[41] 2019-08-07
[30] DE (102018201885.5) 2018-02-07

[21] **3,032,848**
[13] A1

[51] **Int.Cl. G06K 7/08 (2006.01) G01P 3/66 (2006.01) G07F 7/08 (2006.01)**
[25] EN
[54] **MAGNETIC STRIPE READER, METHOD FOR DETERMINING THE STRIPE TRAVEL SPEED, METHOD FOR RECOGNIZING DATA RECORDED ON THE STRIPE AND CORRESPONDING DEVICES**
[54] **LECTEUR DE BANDE MAGNETIQUE, METHODE DE DETERMINATION DE LA VITESSE DE DEPLACEMENT DE LA BANDE, METHODE DE RECONNAISSANCE DES DONNEES ENREGISTREES SUR LA BANDE ET DISPOSITIFS CORRESPONDANTS**
[72] CARABELLI, ANDRE, FR
[71] INGENICO GROUP, FR
[22] 2019-02-04
[41] 2019-08-06
[30] FR (1850976) 2018-02-06

Demandes canadiennes mises à la disponibilité du public
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[21] **3,032,849**
[13] A1

[51] **Int.Cl. F24F 7/04 (2006.01) B08B 15/00 (2006.01) F24F 13/00 (2006.01)**

[25] EN

[54] **INDOOR VENTILATION EXHAUST SYSTEM**

[54] **SYSTEME D'EVACUATION DE VENTILATION INTERIEURE**

[72] RICE, JAMES, CA

[72] CHAUVIN, KEVIN, CA

[71] RICE, JAMES, CA

[71] CHAUVIN, KEVIN, CA

[22] 2019-02-05

[41] 2019-08-06

[30] US (15/889,302) 2018-02-06

[21] **3,032,853**
[13] A1

[51] **Int.Cl. B62D 25/02 (2006.01) B32B 3/06 (2006.01) B32B 3/12 (2006.01) B62D 63/08 (2006.01) E04C 2/26 (2006.01)**

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[54] **INTERLOCKING COMPOSITE CORE AND METHOD**

[54] **AME COMPOSEE INTERBLOCANTE ET METHODE**

[72] HATCHER, NICK, US

[72] BAKER, LEONARD W., US

[72] SWEET, JAMES A., US

[71] WABASH NATIONAL, L.P., US

[22] 2019-02-06

[41] 2019-08-06

[30] US (62/627,093) 2018-02-06

[21] **3,032,855**
[13] A1

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[54] **AN ELECTRICAL ASSEMBLY**

[54] **UN ASSEMBLAGE ELECTRIQUE**

[72] SCHLEZINGER, CRISTIAN GHEORGHE, GB

[71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH

[22] 2019-02-06

[41] 2019-08-08

[30] EP (18155802.4) 2018-02-08

[21] **3,032,876**
[13] A1

[51] **Int.Cl. G06F 16/176 (2019.01) G06F 16/958 (2019.01) H04L 9/00 (2006.01) H04L 9/32 (2006.01) H04L 12/24 (2006.01)**

[25] EN

[54] **SYSTEM FOR MANAGING JOINTLY ACCESSIBLE DATA**

[54] **SYSTEME DE GESTION CONJOINTE DE DONNEES ACCESSIBLES**

[72] FORREST, MICHAEL, GB

[71] BARCLAYS SERVICES LIMITED, GB

[22] 2019-02-06

[41] 2019-08-06

[30] EP (18155395.9) 2018-02-06

[21] **3,032,979**
[13] A1

[51] **Int.Cl. E04F 21/20 (2006.01) E04F 21/22 (2006.01)**

[25] EN

[54] **TILE LEVELING DEVICE**

[54] **DISPOSITIF DE NIVELLEMENT DE CARREAUX**

[72] DAHILL, DREW A., US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[22] 2019-02-07

[41] 2019-08-08

[30] US (15/891,686) 2018-02-08

[21] **3,032,981**
[13] A1

[51] **Int.Cl. G06F 21/30 (2013.01) G06N 20/00 (2019.01)**

[25] EN

[54] **DETECTION OF OPERATIONAL THREATS USING ARTIFICIAL INTELLIGENCE**

[54] **DETECTION DE MENACES OPERATIONNELLES AU MOYEN DE L'INTELLIGENCE ARTIFICIELLE**

[72] BIRUR, THEJA, US

[71] APATICS, INC., US

[22] 2019-02-07

[41] 2019-08-07

[30] US (62/627,547) 2018-02-07

[21] **3,032,982**
[13] A1

[51] **Int.Cl. F04D 25/08 (2006.01) F04D 25/06 (2006.01) F04D 29/26 (2006.01) F04D 29/32 (2006.01)**

[25] EN

[54] **CEILING FAN**

[54] **VENTILATEUR DE PLAFOND**

[72] WHITMIRE, J. PORTER, US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[22] 2019-02-07

[41] 2019-08-07

[30] US (62/627,438) 2018-02-07

[21] **3,032,984**
[13] A1

[51] **Int.Cl. F04D 25/08 (2006.01) F04D 25/06 (2006.01) F04D 29/26 (2006.01)**

[25] EN

[54] **CEILING FAN**

[54] **VENTILATEUR DE PLAFOND**

[72] WHITMIRE, J. PORTER, US

[72] JENKINS, J. LUKE, US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[22] 2019-02-07

[41] 2019-08-07

[30] US (62/627,434) 2018-02-07

[21] **3,032,989**
[13] A1

[51] **Int.Cl. F04D 29/60 (2006.01) F04D 25/08 (2006.01) F04D 29/40 (2006.01) F24F 7/007 (2006.01)**

[25] EN

[54] **FAN ASSEMBLIES**

[54] **ASSEMBLAGES DE VENTILATEUR**

[72] WHITMIRE, J. PORTER, US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

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[13] A1

[51] **Int.Cl. F04D 25/08 (2006.01) F04D 25/06 (2006.01) F04D 29/26 (2006.01) F04D 29/28 (2006.01) F21V 33/00 (2006.01) F21K 9/00 (2016.01)**

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[54] **LIGHT AND FAN ASSEMBLY**
[54] **ENSEMBLE DE LUMINAIRE ET DE VENTILATEUR**

[72] WHITMIRE, J. PORTER, US
[72] MOODY, MILES R., US
[72] JENKINS, J. LUKE, US
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
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[21] **3,033,014**
[13] A1

[51] **Int.Cl. G06N 20/00 (2019.01) G06N 3/04 (2006.01) G06N 3/08 (2006.01)**

[25] EN
[54] **ROBUST PRUNED NEURAL NETWORKS VIA ADVERSARIAL TRAINING**
[54] **RESEAUX NEURONAUX ELAGUES ROBUSTES PAR ENTRAINEMENT ADVERSAIRE**

[72] WANG, LUYU, CA
[72] DING, WEIGUANG, CA
[72] HUANG, RUITONG, CA
[72] CAO, YANSHUAI, CA
[72] LUI, YIK CHAU, CA
[71] ROYAL BANK OF CANADA, CA
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[30] US (62/627,532) 2018-02-07
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[21] **3,033,030**
[13] A1

[51] **Int.Cl. G06M 11/00 (2006.01) G06K 9/62 (2006.01) G06T 7/00 (2017.01)**

[25] EN
[54] **ESTIMATING A NUMBER OF CONTAINERS BY DIGITAL IMAGE ANALYSIS**
[54] **ESTIMATION DU NOMBRE DE CONTENANTS AU MOYEN D'UNE ANALYSE D'IMAGE NUMERIQUE**

[72] PERRON, PHILIPPE, CA
[72] ZHANG, YILONG, CA
[72] LONG, DOUGLAS, CA
[71] FLASCHEBOTTLE TECHNOLOGIES INC., CA
[22] 2019-02-07
[41] 2019-08-08
[30] US (62/627,993) 2018-02-08

[21] **3,033,127**
[13] A1

[51] **Int.Cl. A01D 41/06 (2006.01) A01D 41/14 (2006.01) A01D 47/00 (2006.01) A01D 57/20 (2006.01)**

[25] EN
[54] **CROSS AUGER MOUNTING DEVICE FOR FLEXIBLE HARVESTING HEADER**
[54] **DISPOSITIF DE MONTAGE TRANSVERSAL DE VIS HELICOIDALE DESTINE A UNE TETE DE RECOLTEUSE FLEXIBLE**

[72] MCCREA, THOMAS E., CA
[71] AG SHIELD LTD., CA
[22] 2019-02-07
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[21] **3,033,129**
[13] A1

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[54] **ICE FISHING TRAP**
[54] **PIEGE DE PECHE BLANCHE**

[72] DRESCH, JAMES V., US
[71] DRESCH, JAMES V., US
[22] 2019-02-07
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[13] A1

[51] **Int.Cl. E04D 1/12 (2006.01) B32B 11/10 (2006.01) B32B 27/02 (2006.01) B32B 27/18 (2006.01) B32B 37/15 (2006.01) E04D 1/22 (2006.01) E04D 1/28 (2006.01)**

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[54] **POLYMAT SHINGLE**
[54] **BARDEAU POLYMAT**

[72] HUMPHREYS, DAVID, US
[71] TAMKO BUILDING PRODUCTS, INC., US
[22] 2019-02-07
[41] 2019-08-08
[30] US (62/628,141) 2018-02-08

[21] **3,033,138**
[13] A1

[51] **Int.Cl. H02G 1/12 (2006.01)**

[25] EN
[54] **ARMORED CABLE STRIPPING TOOL**
[54] **OUTIL DE DECAPAGE A CABLE ARME**

[72] JACKSON, ROY, US
[72] BRINSON, TAYLER, US
[71] SOUTHWIRE COMPANY, LLC, US
[22] 2019-02-07
[41] 2019-08-07
[30] US (62/627459) 2018-02-07

[21] **3,033,183**
[13] A1

[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 20/32 (2012.01)**

[25] EN
[54] **NEGOTIATED INSTRUMENTS WITH VERIFIED PAYEE ENDORSEMENT FOR MOBILE DEPOSITS**
[54] **INSTRUMENTS NEGOCIES A ENDOSSEMENT DU PAYEUR VERIFIE DESTINES A DES DEPOTS MOBILES**

[72] DAVIES, DAVID S., US
[71] DELUXE CORPORATION, US
[22] 2019-02-08
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[30] US (16/270,446) 2019-02-07
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[21] **3,033,195**
[13] A1

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[25] EN
[54] **FLOWABILITY TESTING SYSTEMS AND METHODS**
[54] **SYSTEMES DE TEST D'ECOULEMENT ET METHODES**
[72] EDOVIA, THEOPHILUS, US
[72] BALSAMO DE HERNANDEZ, VITTORIA, US
[72] FAUST, MARCUS D., JR., US
[72] BANDA, ROGELIO, US
[72] MEDINA-MELENDZ, WILFREDIS, US
[72] DORRIS, KENNETH W., US
[71] ECOLAB USA INC., US
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[30] US (62/628,336) 2018-02-09

[21] **3,033,222**
[13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **DOWNHOLE WIRELESS COMMUNICATION NODE AND SENSOR/TOOLS INTERFACE**
[54] **NOEUD DE COMMUNICATION SANS FIL ET INTERFACE CAPTEUR/OUTILS**
[72] ZHANG, YIBING, US
[72] SONG, LIMIN, US
[72] WALKER, KATIE M., US
[72] DISKO, MARK M., US
[72] CLAWSON, SCOTT WILLIAM, US
[72] MOORE, PATRICK M., US
[72] CHORNEYKO, DAVID M., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[41] 2019-08-09
[30] US (62/628,603) 2018-02-09
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[21] **3,033,265**
[13] A1

[51] **Int.Cl. B65D 75/52 (2006.01) B65D 1/34 (2006.01) B65D 25/24 (2006.01) B65D 75/36 (2006.01)**
[25] EN
[54] **STANDING PACKAGES AND RELATED METHODS OF USE**
[54] **EMBALLAGES VERTICAUX ET METHODES D'UTILISATION CONNEXES**
[72] LEE, THOMAS R., US
[72] BALL, JOSHUA, US
[71] TRANSCONTINENTAL HOLDING CORP., US
[22] 2019-02-08
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[30] US (62/628,883) 2018-02-09

[21] **3,033,290**
[13] A1

[51] **Int.Cl. E21B 43/25 (2006.01) C09K 8/68 (2006.01)**
[25] EN
[54] **POLYMERIC DRAG REDUCING COMPOSITIONS AND METHODS FOR REDUCING DRAG AND/OR INCREASING VISCOSITY OF FLUIDS IN OIL AND/OR GAS WELLS**
[54] **COMPOSITIONS POLYMERES REDUCTRICES DE TRAINEE ET METHODE DE REDUCTION DE TRAINEE OU D'AUGMENTATION DE LA VISCOSITE DES FLUIDES DANS LES PUITES DE PETROLE OU DE GAZ**
[72] MAST, NICOLE, US
[72] SULLIVAN, PHIL, US
[72] ZELENEV, ANDREI, US
[72] REGMI, NINA, US
[71] FLOTEK CHEMISTRY, LLC, US
[22] 2019-02-08
[41] 2019-08-09
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[21] **3,033,305**
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[25] EN
[54] **MODULAR HEATING SYSTEM**
[54] **SYSTEME DE CHAUFFAGE MODULAIRE**
[72] GROSS, BENJAMIN-TAL, IL
[71] ORTAL - HEATING & AIR CONDITIONING SYSTEMS LTD., IL
[22] 2019-02-06
[41] 2019-08-06
[30] US (62/626,938) 2018-02-06

[21] **3,033,362**
[13] A1

[51] **Int.Cl. H02M 7/04 (2006.01) H02M 1/08 (2006.01) H02M 7/06 (2006.01) H03K 17/13 (2006.01)**
[25] EN
[54] **HARR (HIGH EFFICIENCY AC TO DC REDUCING REGULATOR) CHARGER POWER SUPPLY**
[54] **ALIMENTATION DE CHARGEUR DE REGULATEUR REDUCTEUR CA-CC HAUTE EFFICACITE**
[72] HARR, JOHN A., US
[71] GOODRICH CORPORATION, US
[22] 2019-02-08
[41] 2019-08-09
[30] US (62/628,725) 2018-02-09

[21] **3,033,393**
[13] A1

[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED GENERATION AND EXECUTION OF INSTRUMENT TRANSACTIONS**
[54] **SYSTEME ET METHODE DE GENERATION ET EXECUTION AUTOMATISEES DE TRANSACTIONS D'INSTRUMENT**
[72] BISCOE, JOHN CHARLES BROOKE, CA
[71] BISCOE, JOHN CHARLES BROOKE, CA
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[25] EN
[54] **BEAM FAILURE RECOVERY PROCEDURE IN CARRIER AGGREGATION**
[54] **PROCEDURE DE RECUPERATION DE DEFAILLANCE DE FAISCEAU DANS UNE AGREGATION DE PORTEUSES**
[72] CIRIK, ALI, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] JEON, HYOUNGSUK, US
[72] BABAEI, ALIREZA, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-02-08
[41] 2019-08-09
[30] US (62/628,615) 2018-02-09
[30] US (62/628,609) 2018-02-09
[30] US (62/629,936) 2018-02-13

[21] **3,033,543**

[13] A1

- [51] **Int.Cl. A01B 73/00 (2006.01)**
[25] EN
[54] **AGRICULTURAL IMPLEMENT FRAME ASSEMBLY**
[54] **ASSEMBLAGE DE CADRE D'ACCESSOIRE AGRICOLE**
[72] SHEPPARD, CLINT W., CA
[72] GORDON, JEFFREY JONATHAN, CA
[71] MORRIS INDUSTRIES LTD., CA
[22] 2019-02-08
[41] 2019-08-09
[30] US (62/628,549) 2018-02-09
[30] US (62/628,558) 2018-02-09

[21] **3,033,545**

[13] A1

- [51] **Int.Cl. E04B 1/66 (2006.01)**
[25] EN
[54] **DRAINING CONSTRUCTION WRAP AND METHODS FOR SAME**
[54] **EMBALLAGE DE CONSTRUCTION DRAINANT ET METHODES ASSOCIEES**
[72] GONZALES, MIGUEL, US
[72] ZHOU, LEI, US
[72] FEI, XIAOJUN, US
[71] R.H. TAMLYN & SONS, LP, US
[22] 2019-02-08
[41] 2019-08-10
[30] CN (201820240747.8) 2018-02-10

[21] **3,033,549**

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- [51] **Int.Cl. A01B 39/22 (2006.01) A01B 23/00 (2006.01) A01B 33/08 (2006.01)**
[25] EN
[54] **MOUNTING BRACKET FOR AGRICULTURAL ROW UNIT**
[54] **SUPPORT D'INSTALLATION D'UN MODULE DE RAYONNEUR**
[72] SHEPPARD, CLINT W., US
[72] GREEN, RYAN LEE, US
[72] RENES, GILBERT SINSOA, US
[71] MORRIS INDUSTRIES LTD., CA
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[41] 2019-08-09
[30] US (62/628,549) 2018-02-09
[30] US (62/628,558) 2018-02-09

[21] **3,044,735**

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[25] EN
[54] **WATER SOLUBLE FORMULATION**
[54] **FORMULE HYDROSOLUBLE**
[72] MODI, PANKAJ, CA
[71] MODI, PANKAJ, CA
[22] 2019-05-30
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[13] A1

[51] **Int.Cl. G06Q 50/30 (2012.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING TRANSPORTATION SERVICE**
[54] **METHODE ET SYSTEME DE FOURNITURE DE SERVICE DE TRANSPORT**
[72] LI, XIANG, CN
[72] ZHOU, ZHIQIANG, CN
[72] WANG, ZHAN, CN
[72] SHENG, KEHUA, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-08-16
[86] 2018-02-11 (PCT/CN2018/076347)
[87] (3011060)
[30] CN (CN201710702596.3) 2017-08-16
[30] US (15/855746) 2017-12-27

[21] **3,024,965**
[13] A1

[51] **Int.Cl. G21C 3/42 (2006.01)**
[25] EN
[54] **FUEL COMPOSITION FOR WATER-COOLED REACTORS OF NPPS ON THERMAL NEUTRONS**
[54] **COMPOSITION DE COMBUSTIBLE POUR REACTEURS REFROIDIS PAR EAU DE CENTRALES NUCLEAIRES A NEUTRONS THERMIQUES**
[72] ZIL'BERMAN, BORIS YAKOVLEVICH, RU
[72] GOLETSKIJ, NIKOLAJ DMITRIEVICH, RU
[72] KOVALEV, NIKITA VLADIMIROVICH, RU
[72] SINYUKHIN, ANDREJ BORISOVICH, RU
[71] AKCIONERNOE OBSHCHESTVO "RADIEVYY INSTITUT IMENI V.G. KHLOPINA", RU
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[87] (WO2019/103642)
[30] RU (2017141358) 2017-11-27

[21] **3,028,630**
[13] A1

[51] **Int.Cl. G07C 5/00 (2006.01) H04W 4/021 (2018.01) H04W 4/38 (2018.01) H04W 4/40 (2018.01) G06N 20/00 (2019.01) G08G 1/01 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IDENTIFYING RISKY DRIVING BEHAVIOR**
[54] **SYSTEMES ET METHODES DE DETERMINATION D'UN COMPORTEMENT DE CONDUITE RISQUE**
[72] CHEN, AO, CN
[72] ZHANG, HANG, CN
[72] WANG, HENGZHI, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
[85] 2018-12-28
[86] 2018-12-26 (PCT/CN2018/123759)
[87] (3028630)
[30] CN (201810171875.6) 2018-03-01
[30] CN (201810664251.8) 2018-06-25

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[13] A1

[51] **Int.Cl. G06F 16/21 (2019.01) G06F 21/62 (2013.01) G06F 16/27 (2019.01) H04L 9/30 (2006.01)**
[25] EN
[54] **REGULATING BLOCKCHAIN CONFIDENTIAL TRANSACTIONS**
[54] **REGULATION DE TRANSACTIONS CONFIDENTIELLES DE CHAINE DE BLOCS**
[72] LIU, ZHENG, CN
[72] LI, LICHUN, CN
[72] WANG, HUAZHONG, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-04-18
[86] 2018-11-07 (PCT/CN2018/114314)
[87] (WO2019/072261)

[21] **3,048,489**
[13] A1

[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/064 (2014.01) B33Y 30/00 (2015.01) C23C 4/123 (2016.01) G02B 6/04 (2006.01) G02B 17/08 (2006.01) B22F 3/105 (2006.01)**
[25] EN
[54] **ADDITIVE LASER MACHINING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'USINAGE AU LASER ADDITIF**
[72] COSKUN, MUSTAFA, US
[72] STUKALIN, FELIX, US
[72] EHRMANN, JONATHAN S., US
[71] IPG PHOTONICS CORPORATION, US
[85] 2019-06-25
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[87] (WO2018/129317)
[30] US (62/442,692) 2017-01-05

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[13] A1

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[25] EN
[54] **FUNCTIONALIZED CALCIUM CARBONATE FOR SUN PROTECTION BOOSTING**
[54] **CARBONATE DE CALCIUM FONCTIONNALISE POUR AMPLIFICATION DE PROTECTION SOLAIRE**
[72] BUDDE, TANJA, CH
[72] HECKER, ANAIS, CH
[71] OMYA INTERNATIONAL AG, CH
[85] 2019-07-12
[86] 2018-02-02 (PCT/EP2018/052616)
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[25] EN
[54] **TREATMENT OF CANCER CELLS OVEREXPRESSION SOMATOSTATIN RECEPTORS USING OCREOTIDE DERIVATIVES CHELATED TO RADIOISOTOPES**
[54] **TRAITEMENT DE CELLULES CANCEREUSES SUREXPRESSANT LES RECEPTEURS DE LA SOMATOSTATINE A L'AIDE DE DERIVES D'OCTREOTIDE CHELATES AUX RADIO-ISOTOPES**
[72] TWOROWSKA, IZABELA, US
[72] WAGH, NILESH, US
[72] DELPASSAND, EBRAHIM S., US
[72] ROJAS-QUIJANO, FEDERICO, US
[72] JUREK, PAUL, US
[72] KIEFER, GARRY E., US
[72] STALLONS, TANIA A., US
[72] SAIDI, AMAL, FR
[72] TORGUE, JULIEN, US
[71] RADIOMEDIX INC., US
[71] AREVA MED SAS, FR
[85] 2019-07-12
[86] 2018-01-12 (PCT/US2018/013640)
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[13] A1

[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 10/10 (2012.01) G06N 20/00 (2019.01) G06F 17/27 (2006.01) G10L 15/26 (2006.01) H04L 12/58 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MANIFESTATION AND TRANSMISSION OF FOLLOW-UP NOTIFICATIONS**
[54] **PROCEDES ET SYSTEMES DE PRESENTATION ET DE TRANSMISSION DE NOTIFICATIONS DE SUIVI**
[72] EL SAADAWI, GILAN, US
[71] MMODAL IP LLC, US
[85] 2019-07-12
[86] 2018-01-16 (PCT/US2018/013868)
[87] (WO2018/136417)
[30] US (62/446,897) 2017-01-17
[30] US (15/872,532) 2018-01-16

[21] **3,050,764**
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 31/7076 (2006.01) A61P 1/00 (2006.01) A61P 35/00 (2006.01) C07H 19/20 (2006.01) C07K 14/525 (2006.01) C07K 14/54 (2006.01) C07K 16/22 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CANCER T CELLS AND THEIR PREPARATION USING COENZYME A**
[54] **LYMPHOCYTES T ANTICANCEREUX ET LEUR PREPARATION A L'AIDE DE COENZYME A**
[72] ST. PAUL, MICHAEL, CA
[72] OHASHI, PAM, CA
[72] SAIBIL, SAM, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2019-07-18
[86] 2017-12-21 (PCT/CA2017/000274)
[87] (WO2018/132890)
[30] US (62/447,491) 2017-01-18

[21] **3,050,765**
[13] A1

[51] **Int.Cl. G21F 5/12 (2006.01) A61J 1/20 (2006.01) A61M 36/08 (2006.01) G21F 5/14 (2006.01)**
[25] EN
[54] **BIOHAZARDOUS MATERIAL TRANSPORTING PIG**
[54] **LINGOT DE TRANSPORT DE MATIERE NOCIVE POUR L'ORGANISME**
[72] KAMEN, ROBERT, CA
[71] KAMEN, ROBERT, CA
[85] 2019-07-18
[86] 2017-06-06 (PCT/CA2017/050689)
[87] (WO2018/132891)
[30] CA (2,955,469) 2017-01-20

[21] **3,050,769**
[13] A1

[51] **Int.Cl. G01N 1/24 (2006.01) F24F 11/30 (2018.01) F24F 11/39 (2018.01) B01D 46/42 (2006.01)**
[25] EN
[54] **DUCT MOUNTED AIR QUALITY MONITORING SYSTEM, METHOD AND DEVICE**
[54] **SYSTEME, PROCEDE ET DISPOSITIF, MONTE DANS UN CONDUIT, DE SURVEILLANCE DE LA QUALITE DE L'AIR**
[72] LAVROVSKY, VLADISLAV I., CA
[72] HART, KEVIN R., CA
[72] MCDONALD, AARON J., CA
[71] LAVROVSKY, VLADISLAV I., CA
[71] HART, KEVIN R., CA
[71] MCDONALD, AARON J., CA
[85] 2019-07-18
[86] 2018-01-18 (PCT/CA2018/000011)
[87] (WO2018/132892)
[30] US (62/447,450) 2017-01-18

[21] **3,050,790**
[13] A1

[51] **Int.Cl. E04C 1/00 (2006.01)**
[25] EN
[54] **CONSTRUCTION SYSTEM HAVING CORNER CORE BLOCKS AND DECORATIVE FACE BLOCKS**
[54] **SYSTEME DE CONSTRUCTION COMPRENANT DES BLOCS D'AME DE COIN ET DES BLOCS DE FACE DECORATIFS**
[72] RODENBURGH, RAY, CA
[72] BAILEY, AARON, CA
[71] HENGSTONE HOLDINGS, INC., CA
[85] 2019-07-18
[86] 2018-01-23 (PCT/CA2018/000014)
[87] (WO2018/137023)
[30] US (62/449,636) 2017-01-24
[30] US (15/597,301) 2017-05-17

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[21] **3,050,792**
[13] A1

[51] **Int.Cl. G01N 25/20 (2006.01) H01M 10/615 (2014.01) G01R 31/36 (2019.01) H01M 10/48 (2006.01) G01K 7/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR INITIATING THERMAL RUNAWAY IN A BATTERY**

[54] **APPAREIL ET PROCEDE D'INITIATION D'UN EMBALLEMENT THERMIQUE DANS UNE BATTERIE**

[72] RECOSKIE, STEVEN, CA

[72] TORLONE, GIULIO, CA

[72] KODRA, OLTION, CA

[72] PERRON, JOEL, CA

[72] MACNEIL, DEAN, CA

[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA

[85] 2019-07-18

[86] 2018-01-18 (PCT/CA2018/050055)

[87] (WO2018/132911)

[30] US (62/448,134) 2017-01-19

[30] US (62/556,006) 2017-09-08

[21] **3,050,796**
[13] A1

[51] **Int.Cl. H01M 4/60 (2006.01) H01M 4/13 (2010.01) H01M 10/052 (2010.01) H01M 10/054 (2010.01) H01M 10/00 (2006.01)**

[25] EN

[54] **ELECTRODE MATERIALS AND PROCESSES FOR THEIR PREPARATION**

[54] **MATERIAUX D'ELECTRODE ET LEURS PROCEDES DE PREPARATION**

[72] MALLET, CHARLOTTE, CA

[72] ROCHON, SYLVIANE, CA

[72] DAIGLE, JEAN-CHRISTOPHE, CA

[72] ARAI, NARUMI, CA

[72] UESAKA, SHINICHI, CA

[72] ZAGHIB, KARIM, CA

[71] HYDRO-QUEBEC, CA

[71] MURATA MANUFACTURING CO., LTD., JP

[85] 2019-07-18

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[30] US (62/459,309) 2017-02-15

[21] **3,050,805**
[13] A1

[51] **Int.Cl. H04W 8/08 (2009.01)**

[25] EN

[54] **RADIO COMMUNICATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**

[54] **DISPOSITIF DE RESEAU, DISPOSITIF TERMINAL, ET PROCEDE DE COMMUNICATION RADIO**

[72] LIU, JIANHUA, CN

[72] LIN, YANAN, CN

[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2019-07-18

[86] 2017-01-23 (PCT/CN2017/072287)

[87] (WO2018/133126)

[21] **3,050,806**
[13] A1

[51] **Int.Cl. G01N 21/85 (2006.01)**

[25] EN

[54] **DYNAMIC CHARACTERIZATION METHOD FOR MICRO-NANO CELLULOSES**

[54] **PROCEDE DE CHARACTERISATION DYNAMIQUE DE MICRO-NANO-CELLULOSES**

[72] ZENG, JINSONG, CN

[72] CHEN, KEFU, CN

[72] CHEN, LU, CN

[71] SOUTH CHINA UNIVERSITY OF TECHNOLOGY, CN

[71] SKYVERSE LIMITED, CN

[85] 2019-07-18

[86] 2017-11-23 (PCT/CN2017/112637)

[87] (WO2019/010897)

[30] CN (201710574739.7) 2017-07-14

[21] **3,050,807**
[13] A1

[51] **Int.Cl. A61B 17/34 (2006.01) A61B 90/50 (2016.01)**

[25] EN

[54] **NEEDLE GUIDES**

[54] **GUIDES D'AIGUILLE**

[72] BOUAZZA-MAROUF, KADDOUR, GB

[72] GAUR, ATUL, GB

[71] LOUGHBOROUGH UNIVERSITY, GB

[85] 2019-07-18

[86] 2017-01-20 (PCT/EP2017/051257)

[87] (WO2017/125594)

[30] GB (1601056.3) 2016-01-20

[30] GB (1609414.6) 2016-05-27

[21] **3,050,808**
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) B82Y 5/00 (2011.01) B82Y 40/00 (2011.01) A61K 38/17 (2006.01)**

[25] EN

[54] **NANOSPHERES OF SEC14-LIKE PROTEINS AND COGNATE LIGANDS**

[54] **NANOSPHERES DE PROTEINES DE TYPE SEC14 ET LIGANDS PARENTS**

[72] STOCKER, ACHIM, CH

[71] UNIVERSITAT BERN, CH

[85] 2019-07-18

[86] 2017-01-24 (PCT/EP2017/051409)

[87] (WO2017/129555)

[30] EP (16152579.5) 2016-01-25

[21] **3,050,809**
[13] A1

[51] **Int.Cl. G06T 7/33 (2017.01)**

[25] EN

[54] **AUGMENTED REALITY PATIENT POSITIONING USING AN ATLAS**

[54] **POSITIONNEMENT DE PATIENT EN REALITE AUGMENTEE A L'AIDE D'UN ATLAS**

[72] FLOSSMANN, SVEN, DE

[72] KERSCHBAUMER, SAMUEL, DE

[72] FRIELINGHAUS, NILS, DE

[72] HAMILTON, CHRISTOFFER, DE

[71] BRAINLAB AG, DE

[85] 2019-07-18

[86] 2017-03-22 (PCT/EP2017/056820)

[87] (WO2018/171880)

[21] **3,050,814**
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01) H03M 13/13 (2006.01)**

[25] EN

[54] **A LOW COMPLEXITY PUNCTURING METHOD FOR LOW-RATE POLAR CODES**

[54] **PROCEDE DE PERFORATION A FAIBLE COMPLEXITE POUR CODES POLAIRES A BAS DEBIT**

[72] WEI, CHAO, US

[72] JIANG, JING, US

[72] SARKIS, GABI, US

[72] XU, CHANGLONG, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-07-02

[86] 2018-02-07 (PCT/CN2018/075546)

[87] (WO2018/145634)

[30] CN (PCT/CN2017/073034) 2017-02-07

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[21] **3,050,817**
[13] A1

[51] **Int.Cl. A47L 13/24 (2006.01) A47L 13/253 (2006.01) A47L 13/258 (2006.01)**

[25] EN

[54] **MOP, MOP HEAD AND METHOD OF FITTING**

[54] **BALAI A FRANGES, TETE DE BALAI A FRANGES ET PROCEDE D'AJUSTEMENT**

[72] YOUNG, RONALD ALEXANDER (SCOT), GB

[71] SCOT YOUNG RESEARCH LIMITED, GB

[85] 2019-07-18

[86] 2017-11-29 (PCT/GB2017/053601)

[87] (WO2018/142093)

[30] GB (1701559.5) 2017-01-31

[21] **3,050,819**
[13] A1

[51] **Int.Cl. G02B 27/00 (2006.01) B33Y 30/00 (2015.01) B33Y 40/00 (2015.01) B29C 64/153 (2017.01) B29C 64/35 (2017.01) B22F 3/105 (2006.01)**

[25] EN

[54] **ADDITIVE LAYER MANUFACTURING APPARATUS WITH PROCESS MONITORING FACILITY**

[54] **APPAREIL DE FABRICATION DE COUCHE ADDITIVE AVEC INSTALLATION DE SURVEILLANCE DE PROCESSUS**

[72] RICHARDSON, WILLIAM THOMAS, GB

[71] RELIANCE PRECISION LIMITED, GB

[85] 2019-07-18

[86] 2018-01-05 (PCT/GB2018/000003)

[87] (WO2018/134555)

[30] GB (GB1701088.5) 2017-01-20

[21] **3,050,821**
[13] A1

[51] **Int.Cl. H04W 72/00 (2009.01)**

[25] EN

[54] **DATA COMMUNICATION METHOD AND APPARATUS AND STORAGE MEDIUM**

[54] **PROCEDE ET APPAREIL DE COMMUNICATION DE DONNEES ET SUPPORT DE STOCKAGE**

[72] ZHANG, ZHI, CN

[72] SHEN, JIA, CN

[72] XU, HUA, CA

[72] SHI, ZHIHUA, CN

[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2019-07-18

[86] 2018-01-09 (PCT/CN2018/071881)

[87] (WO2018/133700)

[30] US (62/448,847) 2017-01-20

[21] **3,050,822**
[13] A1

[51] **Int.Cl. B01J 19/00 (2006.01) C12Q 1/6844 (2018.01)**

[25] EN

[54] **METHODS AND REAGENTS FOR SYNTHESISING POLYNUCLEOTIDE MOLECULES**

[54] **PROCEDES ET REACTIFS DE SYNTHESE DE MOLECULES POLYNUCLEOTIDIQUES**

[72] MILTON, JOHN, GB

[72] NAYYAR, SOBIA, GB

[72] RIEDL, JAN, GB

[72] OGAKI, RYOSUKE, GB

[71] OXFORD NANOPORE TECHNOLOGIES LIMITED, GB

[85] 2019-07-18

[86] 2018-01-19 (PCT/GB2018/050165)

[87] (WO2018/134616)

[30] GB (1700937.4) 2017-01-19

[21] **3,050,824**
[13] A1

[51] **Int.Cl. A01C 5/06 (2006.01)**

[25] EN

[54] **SEED SOWING APPARATUS AND METHOD OF SOWING SEED**

[54] **APPAREIL DE SEMIS DE GRAINES ET PROCEDE DE SEMIS DE GRAINES**

[72] CHAPLIN, SIMON ROBERT FRANK, GB

[71] CHAPLIN, SIMON ROBERT FRANK, GB

[85] 2019-07-18

[86] 2018-01-22 (PCT/GB2018/050179)

[87] (WO2018/138480)

[30] GB (1701247.7) 2017-01-25

[30] GB (1702997.6) 2017-02-24

[30] GB (1705638.3) 2017-04-07

[30] GB (1709742.9) 2017-06-19

[30] GB (1715587.0) 2017-09-26

[21] **3,050,826**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/68 (2018.01) G01N 33/573 (2006.01)**

[25] EN

[54] **NON-TARGET SITE RESISTANCE RESISTANCE DE SITE NON LIEE A LA CIBLE**

[72] EDWARDS, ROBERT, GB

[72] TETARD-JONES, CATHERINE, GB

[72] ONKOKESUNG, NAWAPORN, GB

[72] BRAZIER-HICKS, MELISSA CATHERINE, GB

[72] GOLDBERG CAVALLERI, ALINA VIVIANA, GB

[71] UNIVERSITY OF NEWCASTLE UPON TYNE, GB

[85] 2019-07-18

[86] 2018-01-25 (PCT/GB2018/050206)

[87] (WO2018/138498)

[30] GB (1701349.1) 2017-01-27

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[21] **3,050,828**
[13] A1

[51] **Int.Cl. A61K 31/473 (2006.01) A61K 31/11 (2006.01) A61K 31/22 (2006.01) A61K 31/366 (2006.01) A61K 31/4704 (2006.01) A61P 11/00 (2006.01) A61P 19/00 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **USE OF CYTOCHROME BC1 COMPLEX INHIBITOR IN PREPARING PHARMACEUTICAL COMPOSITION**

[54] **UTILISATION D'UN INHIBITEUR DU COMPLEXE CYTOCHROME BC1 DANS LA PREPARATION D'UNE COMPOSITION PHARMACEUTIQUE**

[72] CONG, YUWEN, CN

[71] BEIJING WEILANZHUYUAN MEDICAL TECHNOLOGY CO., LTD., CN

[85] 2019-07-18

[86] 2018-01-22 (PCT/CN2018/073609)

[87] (WO2018/133862)

[30] CN (201710053062.2) 2017-01-22

[30] CN (201710060825.6) 2017-01-25

[30] CN (201710070661.5) 2017-02-09

[21] **3,050,829**
[13] A1

[51] **Int.Cl. B65D 79/02 (2006.01) G01N 31/22 (2006.01) G09F 3/00 (2006.01)**

[25] EN

[54] **CAP SYSTEM**

[54] **SYSTEME DE BOUCHON A VIS**

[72] ANDERSEN, PEDER OSCAR, NO

[72] BROWN, DAVID, NO

[71] KEEP-IT TECHNOLOGIES AS, NO

[85] 2019-07-18

[86] 2018-02-16 (PCT/EP2018/053895)

[87] (WO2018/149972)

[30] NO (20170237) 2017-02-16

[21] **3,050,831**
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61P 7/02 (2006.01)**

[25] EN

[54] **SUBCUTANEOUS ADMINISTRATION OF A P2Y12 RECEPTOR ANTAGONIST**

[54] **ADMINISTRATION SOUS-CUTANEE D'UN ANTAGONISTE DU RECEPTEUR P2Y12**

[72] BAUMANN, MARTINE, CH

[72] KRAMBERG, MARKUS, CH

[72] REY, MARKUS, CH

[72] RIEDERER, MARKUS, CH

[72] ROUX, SEBASTIEN, CH

[71] IDORSIA PHARMACEUTICALS LTD, CH

[85] 2019-07-18

[86] 2018-03-14 (PCT/EP2018/056372)

[87] (WO2018/167139)

[30] EP (PCT/EP2017/056175) 2017-03-15

[21] **3,050,832**
[13] A1

[51] **Int.Cl. C07D 231/10 (2006.01) A61K 31/33 (2006.01) A61P 1/16 (2006.01) C07D 233/54 (2006.01) C07D 261/06 (2006.01) C07D 263/30 (2006.01) C07D 271/06 (2006.01) C07D 271/10 (2006.01) C07D 277/20 (2006.01)**

[25] EN

[54] **BICYCLIC COMPOUNDS AS A CAPASE INHIBITOR**

[54] **COMPOSE CYCLIQUE LIE EN TANT QU'INHIBITEUR DE CASPASE**

[72] MOU, JIANFENG, CN

[72] WU, SONGLIANG, CN

[72] HE, HAIYING, CN

[72] GUO, FENGYING, CN

[72] WANG, CHUAN, CN

[72] LI, JIE, CN

[72] LI, JIAN, CN

[72] CHEN, SHUHUI, CN

[71] CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., CN

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[86] 2018-01-23 (PCT/CN2018/073721)

[87] (WO2018/133870)

[30] CN (201710059063.8) 2017-01-23

[21] **3,050,833**
[13] A1

[51] **Int.Cl. C12N 1/36 (2006.01) A61K 39/00 (2006.01)**

[25] EN

[54] **NOVEL VEGFR-2 TARGETING IMMUNOTHERAPY APPROACH**

[54] **NOUVELLE APPROCHE D'IMMUNOTHERAPIE CIBLANT LE VEGFR-2**

[72] LUBENAU, HEINZ, DE

[71] VAXIMM AG, CH

[85] 2019-07-18

[86] 2018-02-16 (PCT/EP2018/053918)

[87] (WO2018/149982)

[30] EP (17156718.3) 2017-02-17

[21] **3,050,834**
[13] A1

[51] **Int.Cl. B01J 8/00 (2006.01)**

[25] EN

[54] **CHEMICAL REACTOR WITH CATALYST SUPPORT SYSTEM**

[54] **REACTEUR CHIMIQUE AVEC SYSTEME DE SUPPORT DE CATALYSEUR**

[72] HANSEN, ANDERS HELBO, DK

[72] CHRISTENSEN, THOMAS SANDAHL, DK

[72] JORGENSEN, MAGNUS MOLLER, DK

[72] RUBEN LARSEN, JOHANNES, DK

[71] HALDOR TOPSOE A/S, DK

[85] 2019-07-18

[86] 2018-02-22 (PCT/EP2018/054337)

[87] (WO2018/153955)

[30] DK (PA 2017 00131) 2017-02-27

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[21] **3,050,835**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**

[25] EN
[54] **BCMA-TARGETING ANTIBODY AND USE THEREOF**
[54] **ANTICORPS CIBLANT BCMA ET SON UTILISATION**
[72] WANG, PENG, CN
[72] WANG, HUAMAO, CN
[72] JIANG, HUA, CN
[71] CARSGEN THERAPEUTICS CO., LTD., CN
[85] 2019-07-18
[86] 2018-01-23 (PCT/CN2018/073863)
[87] (WO2018/133877)
[30] CN (201710058581.8) 2017-01-23
[30] CN (201710920346.7) 2017-09-30

[21] **3,050,837**
[13] A1

[51] **Int.Cl. C05G 3/08 (2006.01)**

[25] EN
[54] **MIXTURE CONTAINING 3,4-DIMETHYLPYRAZOLE AND USE THEREOF**
[54] **MELANGE CONTENANT DU 3,4-DIMETHYLPYRAZOLE ET SON UTILISATION**
[72] PETERS, NILS, DE
[71] EUROCHEM AGRO GMBH, DE
[85] 2019-07-18
[86] 2018-01-30 (PCT/EP2018/052200)
[87] (WO2018/141708)
[30] DE (10 2017 201 608.6) 2017-02-01

[21] **3,050,838**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) H04N 5/225 (2006.01)**

[25] EN
[54] **METHOD FOR CALIBRATING A ROTATABLE AND PIVOTABLE PIECE OF TECHNICAL STAGE EQUIPMENT**
[54] **PROCEDE D'ETALONNAGE D'UN APPAREIL SCENIQUE ROTATIF ET PIVOTANT**
[72] PETRICEK, WERNER, AT
[71] ZACTRACK GMBH, AT
[85] 2019-07-18
[86] 2018-02-26 (PCT/EP2018/054664)
[87] (WO2018/154108)
[30] AT (A 50154/2017) 2017-02-27

[21] **3,050,839**
[13] A1

[51] **Int.Cl. B63B 27/10 (2006.01) B63B 27/30 (2006.01) B66C 1/10 (2006.01) B66C 1/66 (2006.01)**

[25] EN
[54] **SYSTEM FOR USE WITH A CRANE ON A SURFACE VESSEL**
[54] **SYSTEME A UTILISER AVEC UNE GRUE SUR UN NAVIRE DE SURFACE**
[72] VAN VESSEM, HENRICUS GERARDUS ANDREAS, NL
[72] JUNG, BOUDEWIJN CASPER, NL
[71] IHC HOLLAND IE B.V., NL
[85] 2019-07-18
[86] 2018-01-30 (PCT/NL2018/050065)
[87] (WO2018/139931)
[30] NL (2018257) 2017-01-30

[21] **3,050,841**
[13] A1

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

[25] EN
[54] **CONTENT ENHANCEMENT SERVICES**
[54] **SERVICES D'AMELIORATION DE CONTENU**
[72] HEWSON, JORDAN, US
[71] SPEAKABLE PBC, US
[85] 2019-07-18
[86] 2016-12-21 (PCT/US2016/068040)
[87] (WO2017/127209)
[30] US (15/000,000) 2016-01-18

[21] **3,050,844**
[13] A1

[51] **Int.Cl. F24F 3/02 (2006.01) F24F 3/044 (2006.01) F24F 13/04 (2006.01)**

[25] EN
[54] **FRESH AIR BUILDING AND HOME VENTILATION APPARATUS AND METHODOLOGIES**
[54] **APPAREIL ET METHODOLOGIES DE VENTILATION D'AIR FRAIS DANS DES BATIMENTS ET DES DOMICILES**
[72] SAUNDERS, JOHN S., US
[72] MURRELL, THOMAS L., US
[72] GARY, AARON E., US
[72] CLARK, RANDALL W., US
[72] KOKAL, JAMES V., US
[71] TEMPO, INC., US
[85] 2019-07-18
[86] 2017-01-18 (PCT/US2017/013948)
[87] (WO2017/127431)
[30] US (62/280,036) 2016-01-18

[21] **3,050,846**
[13] A1

[51] **Int.Cl. A61M 5/162 (2006.01) A61M 5/24 (2006.01) A61M 39/10 (2006.01) F16L 37/252 (2006.01) F16L 37/30 (2006.01)**

[25] EN
[54] **SINGLE USE CONNECTORS**
[54] **CONNECTEURS A USAGE UNIQUE**
[72] PY, DANIEL, US
[71] PY, DANIEL, US
[85] 2019-07-18
[86] 2017-01-19 (PCT/US2017/014204)
[87] (WO2017/127589)
[30] US (62/280,693) 2016-01-19

[21] **3,050,847**
[13] A1

[51] **Int.Cl. G06T 5/00 (2006.01) H04N 5/355 (2011.01) H04N 19/98 (2014.01) H04N 5/335 (2011.01)**

[25] EN
[54] **IMAGING ARRAY WITH EXTENDED DYNAMIC RANGE**
[54] **RESEAU D'IMAGERIE A PLAGES DYNAMIQUE ETENDUE**
[72] DO, HUNG T., US
[72] MCGRATH, R. DANIEL, US
[71] BAE SYSTEMS IMAGING SOLUTIONS INC., US
[85] 2019-07-18
[86] 2017-01-25 (PCT/US2017/014976)
[87] (WO2018/140012)

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[21] **3,050,848**
[13] A1

[51] **Int.Cl. B61F 5/38 (2006.01) B61F 3/02 (2006.01) B61F 5/50 (2006.01) F16B 5/02 (2006.01)**

[25] EN

[54] **RAILWAY CAR TRUCK SYSTEM**

[54] **SYSTEME DE BOGIE FERROVIAIRE**

[72] RUDIBAUGH, JOHN, US

[72] TAVARES, MANNY, US

[72] MURPHY, WAYNE, US

[72] LEVITT, PERRY, US

[71] ADVANCED TRUCK SYSTEMS CORP., US

[85] 2019-07-18

[86] 2017-01-27 (PCT/US2017/015343)

[87] (WO2017/132512)

[30] US (62/287,733) 2016-01-27

[21] **3,050,849**
[13] A1

[51] **Int.Cl. B60T 15/02 (2006.01) B60T 17/08 (2006.01) B60T 17/16 (2006.01) F15B 15/26 (2006.01)**

[25] EN

[54] **CONTROL SYSTEM FOR AUTOMATIC PARKING BRAKE OF RAIL VEHICLE**

[54] **SYSTEME DE COMMANDE DESTINE AU FREIN DE STATIONNEMENT AUTOMATIQUE D'UN VEHICULE FERROVIAIRE**

[72] CALL, DERICK, US

[71] NEW YORK AIR BRAKE LLC, US

[85] 2019-07-18

[86] 2017-02-07 (PCT/US2017/016835)

[87] (WO2018/147830)

[30] US (15/426,619) 2017-02-07

[21] **3,050,850**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) A61B 3/00 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD AND DEVICE FOR CONFIRMATION OF AN OPERATOR'S HEALTH CONDITION AND ALIVE STATUS**

[54] **SYSTEME, PROCEDE ET DISPOSITIF DE CONFIRMATION D'UN ETAT DE SANTE ET D'UN ETAT VIVANT D'UN OPERATEUR**

[72] MCBAIN, THEODORE DEAN, US

[71] MCBAIN, THEODORE DEAN, US

[85] 2019-07-18

[86] 2017-04-05 (PCT/US2017/026249)

[87] (WO2017/136857)

[30] US (62/388,683) 2016-02-05

[30] US (15/424,886) 2017-02-05

[21] **3,050,851**
[13] A1

[51] **Int.Cl. E04B 1/94 (2006.01) B27N 9/00 (2006.01) B28B 3/00 (2006.01) B32B 17/10 (2006.01) E04C 2/54 (2006.01)**

[25] EN

[54] **FLEXIBLE TRANSLUCENT TO TRANSPARENT FIREPROOF COMPOSITE MATERIAL**

[54] **MATIERE COMPOSITE ININFLAMMABLE, SOUPLE, TRANSLUCIDE A TRANSPARENTE**

[72] BAILEY, DOUGLAS J., US

[71] FIRE CURTAINS, INC., US

[85] 2019-07-18

[86] 2017-05-12 (PCT/US2017/032385)

[87] (WO2018/144047)

[30] US (15/423,287) 2017-02-02

[21] **3,050,852**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **GENOTYPING BY POLYMERASE BINDING**

[54] **GENOTYPAGE PAR LIAISON PAR POLYMERASE**

[72] DAMBACHER, COREY M., US

[72] VAN NGUYEN, MICHAEL, US

[71] OMNIOME, INC., US

[85] 2019-07-18

[86] 2017-09-11 (PCT/US2017/051025)

[87] (WO2018/136118)

[30] US (62/448,630) 2017-01-20

[21] **3,050,854**
[13] A1

[51] **Int.Cl. C05G 3/08 (2006.01)**

[25] EN

[54] **ENHANCED STABILITY OF UREASE INHIBITOR-CONTAINING COMPOSITIONS**

[54] **STABILITE AMELIOREE DE COMPOSITIONS CONTENANT UN INHIBITEUR D'UREASE**

[72] BARR, DOUGLAS, US

[72] GARNIER, ETHEL, US

[71] KOCH AGRONOMIC SERVICES, LLC, US

[85] 2019-07-18

[86] 2018-01-17 (PCT/IB2018/050295)

[87] (WO2018/134752)

[30] US (62/448,125) 2017-01-19

[21] **3,050,855**
[13] A1

[51] **Int.Cl. C05C 9/00 (2006.01) C05C 9/02 (2006.01) C05G 3/08 (2006.01)**

[25] EN

[54] **ACID-RESISTANT UREASE INHIBITOR ADDUCT - CONTAINING FERTILIZER COMPOSITIONS**

[54] **COMPOSITIONS D'ENGRAIS CONTENANT UN PRODUIT D'ADDITION D'INHIBITEUR D'UREASE RESISTANT AUX ACIDES**

[72] BARR, DOUGLAS, US

[72] GARNIER, ETHEL, US

[71] KOCH AGRONOMIC SERVICES, LLC, US

[85] 2019-07-18

[86] 2018-01-18 (PCT/IB2018/050319)

[87] (WO2018/134765)

[30] US (62/448,466) 2017-01-20

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[21] **3,050,856**
[13] A1

[51] **Int.Cl. C05G 3/08 (2006.01)**
[25] EN
[54] **COMPOSITION CONTAINING N-(N-BUTYL) THIOPHOSPHORIC TRIAMIDE ADDUCTS AND REACTION PRODUCTS**
[54] **COMPOSITION CONTENANT DES PRODUITS D'ADDITION DE TRIAMIDE N-(N-BUTYL)-THIOPHOSPHORIQUE ET DES PRODUITS DE REACTION**
[72] BARR, DOUGLAS, US
[72] GARNIER, ETHEL, US
[72] FREEMAN, STANLEY, US
[71] KOCH AGRONOMIC SERVICES, LLC, US
[85] 2019-07-18
[86] 2018-01-19 (PCT/IB2018/050367)
[87] (WO2018/134788)
[30] US (62/448,706) 2017-01-20

[21] **3,050,858**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61P 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR THE TREATMENT OF THROMBOEMBOLISM**
[54] **METHODE POUR LE TRAITEMENT DE LA THROMBOEMBOLIE**
[72] ALLEN, LYNN, US
[71] EKOS CORPORATION, US
[85] 2019-07-18
[86] 2018-01-23 (PCT/IB2018/050403)
[87] (WO2018/138634)
[30] US (62/449,966) 2017-01-24

[21] **3,050,859**
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/56 (2006.01) G01N 33/86 (2006.01)**
[25] EN
[54] **METHODS OF DIAGNOSING MALIGNANT DISEASES**
[54] **PROCEDES DE DIAGNOSTIC DE MALADIES MALIGNES**
[72] RABIZADEH, ESTHER, IL
[72] CHERNY, IZCHAK, IL
[72] INBAL, AIDA, IL
[71] MOR RESEARCH APPLICATIONS LTD., IL
[71] RAMOT AT TEL AVIV UNIVERSITY LTD., IL
[85] 2019-07-18
[86] 2018-01-25 (PCT/IB2018/050454)
[87] (WO2018/138668)
[30] US (62/450,082) 2017-01-25

[21] **3,050,861**
[13] A1

[51] **Int.Cl. B65D 23/04 (2006.01) A46B 9/02 (2006.01) A46B 11/02 (2006.01)**
[25] EN
[54] **BRUSH INTEGRATED CAPSULE WITH FILM-FORMING POLYMER FOR NAIL POLISHING**
[54] **CAPSULE A BROUSSE INTEGREE ASSORTIE D'UN POLYMERE FILMOGENE DESTINE A L'APPLICATION DE VERNIS A ONGLES**
[72] MOR YOSEF, AVICHAY, IL
[72] MILLER, RON, IL
[72] MORAN, OMRI, IL
[71] NAILOMATIC LTD., IL
[85] 2019-07-18
[86] 2018-01-31 (PCT/IL2018/050109)
[87] (WO2018/142399)
[30] US (62/452,461) 2017-01-31
[30] US (62/533,720) 2017-07-18

[21] **3,050,862**
[13] A1

[51] **Int.Cl. B60L 7/14 (2006.01) B60L 9/18 (2006.01) B60L 15/20 (2006.01)**
[25] EN
[54] **CONTROL METHOD FOR ELECTRICALLY DRIVEN VEHICLE AND CONTROL DEVICE FOR ELECTRICALLY DRIVEN VEHICLE**
[54] **PROCEDE DE COMMANDE DE VEHICULE A PROPULSION ELECTRIQUE ET DISPOSITIF DE COMMANDE DE VEHICULE A PROPULSION ELECTRIQUE**
[72] SHINDO, IKUMA, JP
[72] SUZUKI, TATSUYA, JP
[72] MIYASHITA, NAOKI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2019-07-18
[86] 2018-01-19 (PCT/JP2018/001672)
[87] (WO2018/139375)
[30] JP (2017-010568) 2017-01-24

[21] **3,050,864**
[13] A1

[51] **Int.Cl. C07D 211/84 (2006.01) A01N 43/40 (2006.01) A01N 47/06 (2006.01) C07D 211/86 (2006.01) C07D 213/64 (2006.01) C07D 213/70 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **PYRIDONE COMPOUNDS AND AGRICULTURAL AND HORTICULTURAL FUNGICIDES CONTAINING THE SAME AS ACTIVE INGREDIENTS**
[54] **COMPOSE DE PYRIDONE ET BACTERICIDE A USAGE AGRICOLE ET HORTICOLE UTILISANT CELUI-CI EN TANT QUE PRINCIPE ACTIF**
[72] UMETANI, HIDEKI, JP
[72] FUKUMOTO, TAKESHI, JP
[72] NAITO, RYOHEI, JP
[72] IKISHIMA, HIDEAKI, JP
[72] KOUNO, TOSHIYUKI, JP
[72] NISHIDA, AKIHIRO, JP
[72] YANAGI, MASANORI, JP
[72] KITAJIMA, KAZUKI, JP
[72] YUTANI, SATOSHI, JP
[72] SHIRAKAWA, TOMOMI, JP
[72] OHARA, TOSHIKI, JP
[71] MITSUI CHEMICALS AGRO, INC., JP
[85] 2019-07-18
[86] 2018-01-26 (PCT/JP2018/002370)
[87] (WO2018/139560)
[30] JP (2017-012467) 2017-01-26

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[21] **3,050,865**
[13] A1

[51] **Int.Cl. A61K 31/4439 (2006.01) A61K 9/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR LIVER DISEASES**
[54] **AGENT THERAPEUTIQUE CONTRE DES MALADIES HEPATIQUES**
[72] MOON, SUNG HWAN, KR
[72] LEE, SOO JIN, KR
[72] LEE, SUNG CHAN, KR
[72] BAE, YUN SOO, KR
[71] APTABIO THERAPEUTICS INC., KR
[85] 2019-07-18
[86] 2018-09-14 (PCT/KR2018/010857)
[87] (WO2019/088444)
[30] KR (10-2017-0144911) 2017-11-01

[21] **3,050,868**
[13] A1

[51] **Int.Cl. A61F 2/00 (2006.01) A61M 16/04 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **ARTIFICIAL AIRWAY MANAGEMENT DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE GESTION DE VOIES RESPIRATOIRES ARTIFICIELLES**
[72] VAZALES, BRAD EUGENE, US
[72] CHERSKY, DAVID MARK, US
[71] ENDOCLEAR LLC, US
[85] 2019-07-18
[86] 2017-12-28 (PCT/US2017/068711)
[87] (WO2018/126008)
[30] US (62/441,037) 2016-12-30

[21] **3,050,870**
[13] A1

[51] **Int.Cl. C07K 14/395 (2006.01) C12P 7/14 (2006.01) C12P 7/16 (2006.01)**
[25] EN
[54] **MODIFIED YEAST CELLS THAT OVEREXPRESS A DNA POLYMERASE SUBUNIT**
[54] **CELLULES DE LEVURE MODIFIEES QUI SUREXPIMENT UNE SOUS-UNITE D'ADN POLYMERASE**
[72] PAYEN, CELIA EMILY GABY, US
[72] QI, MIN, US
[71] DANISCO US INC., US
[85] 2019-07-18
[86] 2018-01-16 (PCT/US2018/013776)
[87] (WO2018/136385)
[30] US (62/447,845) 2017-01-18

[21] **3,050,866**
[13] A1

[51] **Int.Cl. G05D 23/19 (2006.01) G06F 1/20 (2006.01) H01L 21/48 (2006.01) H01L 23/34 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **INTEGRATED TEMPERATURE CONTROL FOR MULTI-LAYER CERAMICS AND METHOD**
[54] **REGULATION DE TEMPERATURE INTEGREE POUR CERAMIQUES MULTICOUCHES ET PROCEDE**
[72] WILSON, JAMES S., US
[72] LAMB, JOSHUA, US
[72] MCFARLANE, STEVEN P., US
[71] RAYTHEON COMPANY, US
[85] 2019-07-18
[86] 2017-12-22 (PCT/US2017/068207)
[87] (WO2018/164752)
[30] US (15/453,269) 2017-03-08

[21] **3,050,869**
[13] A1

[51] **Int.Cl. H04W 76/40 (2018.01)**
[25] EN
[54] **SYNCHRONIZATION SIGNAL TRANSMISSION AND RECEPTION FOR RADIO SYSTEM**
[54] **EMISSION ET RECEPTION DE SIGNAUX DE SYNCHRONISATION POUR SYSTEME RADIO**
[72] SHENG, JIA, US
[72] AIBA, TATSUSHI, US
[72] NOGAMI, TOSHIZO, US
[71] FG INNOVATION COMPANY LIMITED, CN
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2019-07-18
[86] 2018-01-02 (PCT/US2018/012059)
[87] (WO2018/144172)
[30] US (62/454,016) 2017-02-02

[21] **3,050,871**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR CONTROLLING NERVE ACTIVITY USING ELECTRICAL STIMULATION**
[54] **SYSTEME ET PROCEDES DE COMMANDE DE L'ACTIVITE NERVEUSE AU MOYEN D'UNE STIMULATION ELECTRIQUE**
[72] CHEN, PENG-SHENG, US
[72] CHEN, LAN S., US
[71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
[85] 2019-07-18
[86] 2018-01-17 (PCT/US2018/013951)
[87] (WO2018/136454)
[30] US (62/448,068) 2017-01-19

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[21] **3,050,882**
[13] A1

[51] **Int.Cl. C09J 5/06 (2006.01) C09J 167/04 (2006.01)**

[25] EN

[54] **BIODEGRADABLE HOT MELT ADHESIVES**

[54] **ADHESIFS THERMOFUSIBLES BIODEGRADABLES**

[72] CARRAWAY, DANIEL, US

[72] WANN, STEVEN, US

[72] ARNOLD, RACHELLE, US

[72] BROWN GRUBBS, JOSEPH III, US

[71] DANIMER BIOPLASTICS, INC., US

[85] 2019-07-18

[86] 2018-01-19 (PCT/US2018/014321)

[87] (WO2018/136679)

[30] US (62/448,483) 2017-01-20

[21] **3,050,884**
[13] A1

[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/00 (2006.01) A61P 19/08 (2006.01)**

[25] EN

[54] **BONE-TARGETING ANTIBODIES**

[54] **ANTICORPS DE CIBLAGE OSSEUX**

[72] QIU, HUAWEI, US

[72] PARK, SUNGHAEE, US

[72] STEFANO, JAMES, US

[71] GENZYME CORPORATION, US

[85] 2019-07-18

[86] 2018-01-19 (PCT/US2018/014350)

[87] (WO2018/136698)

[30] US (62/448,763) 2017-01-20

[21] **3,050,904**
[13] A1

[51] **Int.Cl. A61K 38/08 (2019.01) A61K 38/12 (2006.01) A61P 25/00 (2006.01) A61P 27/02 (2006.01)**

[25] EN

[54] **THERAPEUTIC AND NEUROPROTECTIVE PEPTIDES**

[54] **PEPTIDES THERAPEUTIQUES ET NEUROPROTECTEURS**

[72] KARAGEOZIAN, HAMPAR L., US

[72] PARK, JOHN Y., US

[72] KARAGEOZIAN, VICKEN H., US

[71] ALLEGRO PHARMACEUTICALS, LLC, US

[85] 2019-07-18

[86] 2018-01-18 (PCT/US2018/014287)

[87] (WO2018/136669)

[30] US (62/448,300) 2017-01-19

[30] US (62/500,998) 2017-05-03

[21] **3,050,905**
[13] A1

[51] **Int.Cl. F24F 13/06 (2006.01) F24F 13/02 (2006.01)**

[25] EN

[54] **FABRIC AIR DIFFUSER**

[54] **DIFFUSEUR D'AIR EN TISSU**

[72] SCHMIDT, BLAINE, US

[72] GEBKE, KEVIN J., US

[72] JACOBSON, MICHAEL A., US

[72] KAUFMANN, NICHOLAS L., US

[72] NIEHAUS, WILLIAM A., US

[71] RITE-HITE HOLDING CORPORATION, US

[85] 2019-07-18

[86] 2018-01-19 (PCT/US2018/014424)

[87] (WO2018/140317)

[30] US (15/417,006) 2017-01-26

[21] **3,050,906**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2018.01)**

[25] EN

[54] **COMPOSITION AND METHOD OF USE OF THE SAME FOR PRESERVING CELLS FOR ANALYSIS**

[54] **COMPOSITION ET PROCEDE D'UTILISATION DE CELLE-CI POUR CONSERVER DES CELLULES EN VUE D'UNE ANALYSE**

[72] POST, GREGORY R., US

[71] CHRYOS, LLC, US

[85] 2019-07-18

[86] 2018-01-19 (PCT/US2018/014446)

[87] (WO2018/136751)

[30] US (62/449,076) 2017-01-22

[21] **3,050,907**
[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/24 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **AUTO-INJECTOR DEVICE**

[54] **DISPOSITIF AUTO-INJECTEUR**

[72] GIAMBATTISTA, LUCIO, US

[71] L.G.P. TECHNOLOGY HOLDINGS LLC, US

[85] 2019-07-18

[86] 2018-01-20 (PCT/US2018/014591)

[87] (WO2018/136840)

[30] US (62/448,834) 2017-01-20

[30] US (62/461,477) 2017-02-21

[21] **3,050,908**
[13] A1

[51] **Int.Cl. A61B 5/053 (2006.01) A61B 5/05 (2006.01)**

[25] EN

[54] **TECHNIQUES FOR DETECTING CANCEROUS CELLS IN EXCISED TISSUE SAMPLES USING IMPEDANCE DETECTION**

[54] **TECHNIQUES DE DETECTION DE CELLULES CANCEREUSES DANS DES ECHANTILLONS DE TISSU EXCISE EN UTILISANT UNE DETECTION D'IMPEDANCE**

[72] GREGORY, WILLIAM DAVID, US

[72] SHELL, JOHN, US

[72] VOITH, PAUL RICHARD, US

[72] ALTMEJD, MOSHE MORRIE, US

[71] NOVASCAN, INC., US

[85] 2019-07-18

[86] 2018-01-22 (PCT/US2018/014662)

[87] (WO2018/136865)

[30] US (62/499,222) 2017-01-23

[30] US (62/603,081) 2017-05-16

[30] US (15/870,804) 2018-01-12

[21] **3,050,909**
[13] A1

[51] **Int.Cl. A01G 9/02 (2018.01) A01G 7/04 (2006.01) A01G 9/12 (2006.01) A01G 9/24 (2006.01) F21V 33/00 (2006.01)**

[25] EN

[54] **PLANT CULTIVATION SYSTEM**

[54] **SYSTEME DE CULTURE DE PLANTES**

[72] GOBLE, RYAN, US

[71] GOBLE, RYAN, US

[85] 2019-07-18

[86] 2018-01-22 (PCT/US2018/014697)

[87] (WO2018/136876)

[30] US (62/448,614) 2017-01-20

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[21] **3,050,910**
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) C07H 21/04 (2006.01) C12N 15/00 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR REDUCING SARCOLIPIN EXPRESSION AND PREVENTING AND TREATING MUSCULAR DYSTROPHY AND CARDIOMYOPATHY AND METHODS OF USE**

[54] **COMPOSITIONS PERMETTANT DE REDUIRE L'EXPRESSION DE LA SARCOLIPINE ET PREVENIR ET TRAITER LA DYSTROPHIE MUSCULAIRE ET LA CARDIOMYOPATHIE, ET METHODES D'UTILISATION**

[72] BABU, GOPAL J., US

[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US

[85] 2019-07-18

[86] 2018-01-22 (PCT/US2018/014709)

[87] (WO2018/136880)

[30] US (62/449,371) 2017-01-23

[30] US (62/575,089) 2017-10-20

[30] US (62/589,273) 2017-11-21

[21] **3,050,911**
[13] A1

[51] **Int.Cl. A61B 5/053 (2006.01) A61B 5/05 (2006.01) A61B 5/08 (2006.01)**

[25] EN

[54] **MULTI-SENSOR DEVICE FOR MONITORING HEALTH**

[54] **DISPOSITIF A CAPTEURS MULTIPLES POUR SURVEILLER LA SANTE**

[72] AKL, TONY JOSEPH, US

[72] DOSCHER, JAMES C., US

[72] GOPINATHAN, VENUGOPAL, US

[71] ANALOG DEVICES, INC., US

[85] 2019-07-18

[86] 2018-01-24 (PCT/US2018/015067)

[87] (WO2018/140509)

[30] US (62/449,741) 2017-01-24

[21] **3,050,912**
[13] A1

[51] **Int.Cl. G01N 7/22 (2006.01) G01N 33/10 (2006.01)**

[25] EN

[54] **ELASTOMER RHEOLOGY SYSTEM AND PROCESS**

[54] **SYSTEME ET PROCEDE DE RHEOLOGIE D'ELASTOMERE**

[72] BELL, SUMANA, US

[71] ARDENT MILLS, LLC, US

[85] 2019-07-18

[86] 2018-01-25 (PCT/US2018/015149)

[87] (WO2018/140553)

[30] US (62/450,241) 2017-01-25

[21] **3,050,913**
[13] A1

[51] **Int.Cl. B23K 9/20 (2006.01) B23K 11/28 (2006.01) B23K 11/36 (2006.01) B23K 28/00 (2006.01)**

[25] EN

[54] **PIN SPOTTING SYSTEM WITH MODULAR WELDING SOURCE**

[54] **SYSTEME DE PLACEMENT DE BROCHE AVEC SOURCE DE SOUDAGE MODULAIRE**

[72] BELLISE, ANDREW J., US

[72] KRUPNICK, DAVID B., US

[72] VASQUEZ, WILLIAM, JR., US

[71] DURO DYNE CORPORATION, US

[85] 2019-07-18

[86] 2018-01-26 (PCT/US2018/015348)

[87] (WO2018/140664)

[30] US (62/451,443) 2017-01-27

[21] **3,050,914**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) A61K 39/00 (2006.01) A61K 39/245 (2006.01) A61K 39/395 (2006.01) A61P 31/22 (2006.01) A61P 37/04 (2006.01) C07K 14/03 (2006.01) C07K 19/00 (2006.01) C12N 15/38 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**

[25] EN

[54] **VACCINE COMPOSITIONS OF HERPESVIRUS ENVELOPE PROTEIN COMBINATIONS TO INDUCE IMMUNE RESPONSE**

[54] **COMPOSITIONS DE VACCIN DE COMBINAISONS DE PROTEINES D'ENVELOPPE D'HERPESVIRUS DESTINEES A INDUIRE UNE REPONSE IMMUNITAIRE**

[72] CUI, XINLE, US

[72] SNAPPER, CLIFFORD M., US

[71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US

[85] 2019-07-18

[86] 2018-01-26 (PCT/US2018/015459)

[87] (WO2018/140733)

[30] US (62/451,396) 2017-01-27

[21] **3,050,915**
[13] A1

[51] **Int.Cl. G06N 99/00 (2019.01)**

[25] EN

[54] **XX COUPLER FOR FLUX QUBITS**

[54] **COUPLEUR XX POUR QUBITS DE FLUX**

[72] EPSTEIN, RYAN J., US

[72] FERGUSON, DAVID GEORGE, US

[71] NORTHROP GRUMMAN SYSTEMS CORORATION, US

[85] 2019-07-18

[86] 2018-01-29 (PCT/US2018/015729)

[87] (WO2018/151929)

[30] US (15/433,730) 2017-02-15

PCT Applications Entering the National Phase

[21] **3,050,916**
[13] A1

[51] **Int.Cl. E06B 3/663 (2006.01) E06B 3/54 (2006.01) E06B 3/66 (2006.01) E06B 3/673 (2006.01)**

[25] EN

[54] **ADHESIVE-ATTACHED WINDOW GLAZING ASSEMBLY, MULTI-GLAZED WINDOW ASSEMBLY AND METHOD THEREFOR**

[54] **ENSEMBLE DE VITRAGE DE FENETRE FIXE A UN ADHESIF, ENSEMBLE DE FENETRE A VITRES MULTIPLES ET PROCEDE ASSOCIE**

[72] ISAACS, MARK, US

[71] GS RESEARCH LLC, US

[85] 2019-07-18

[86] 2018-01-29 (PCT/US2018/015739)

[87] (WO2018/140877)

[30] US (15/418,953) 2017-01-30

[21] **3,050,917**
[13] A1

[51] **Int.Cl. C12N 15/86 (2006.01) A61K 38/45 (2006.01) A61K 48/00 (2006.01)**

[25] EN

[54] **RECOMBINANT VIRUS VECTORS FOR THE TREATMENT OF GLYCOGEN STORAGE DISEASE**

[54] **VECTEURS VIRAUX RECOMBINANTS POUR LE TRAITEMENT DE LA MALADIE DU STOCKAGE DU GLYCOGENE**

[72] CHOU, JANICE J., US

[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2019-07-18

[86] 2018-01-30 (PCT/US2018/015957)

[87] (WO2018/140946)

[30] US (62/451,963) 2017-01-30

[21] **3,050,918**
[13] A1

[51] **Int.Cl. A61F 5/443 (2006.01) A61F 2/14 (2006.01) A61F 5/453 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR RECEIVING DISCHARGED URINE**

[54] **APPAREIL ET PROCEDES POUR LA RECEPTION D'URINE EXCRETEE**

[72] NEWTON, RAYMOND J., US

[72] JOHANNES, ASHLEY MARIE, US

[72] GLITHERO, JASON IAIN, US

[71] PUREWICK CORPORATION, US

[85] 2019-07-18

[86] 2018-01-30 (PCT/US2018/015968)

[87] (WO2018/144463)

[30] US (62/452,437) 2017-01-31

[21] **3,050,919**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/17 (2015.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **IMPROVED ANTIBODY-COUPLED T CELL RECEPTOR CONSTRUCTS AND THERAPEUTIC USES THEREOF**

[54] **CONSTRUCTIONS AMELIOREES DE RECEPTEUR DE LYMPHOCYTES T COUPLE A UN ANTICORPS ET LEURS UTILISATIONS THERAPEUTIQUES**

[72] MCGINNESS, KATHLEEN, US

[72] MOTZ, GREGORY, US

[72] FRAY, MICHAEL, US

[72] SCHULTES, BIRGIT, US

[72] HEMPHILL, JAMES, US

[72] KIM, JAMES, US

[72] CHEEMA, TOOBA, US

[72] HICKMAN, TAYLOR, US

[71] UNUM THERAPEUTICS INC., US

[85] 2019-07-18

[86] 2018-01-30 (PCT/US2018/015999)

[87] (WO2018/140960)

[30] US (62/451,992) 2017-01-30

[30] US (62/578,429) 2017-10-28

[21] **3,050,920**
[13] A1

[51] **Int.Cl. C08G 59/66 (2006.01) C08L 63/00 (2006.01) C08L 81/02 (2006.01)**

[25] EN

[54] **LOW DENSITY AEROSPACE COMPOSITIONS AND SEALANTS**

[54] **PRODUITS D'ETANCHEITE ET COMPOSITIONS AEROSPATIALES DE FAIBLE DENSITE**

[72] VIRNELSON, BRUCE, US

[71] PRC-DE SOTO INTERNATIONAL, INC., US

[85] 2019-07-18

[86] 2018-01-31 (PCT/US2018/016104)

[87] (WO2018/144518)

[30] US (15/420,138) 2017-01-31

[21] **3,050,921**
[13] A1

[51] **Int.Cl. C01B 21/064 (2006.01) C01B 21/00 (2006.01) C01B 21/06 (2006.01) F16F 9/00 (2006.01) F16F 15/00 (2006.01)**

[25] EN

[54] **BORON NITRIDE NANOTUBE VIBRATION DAMPING**

[54] **AMORTISSEMENT DES VIBRATIONS DE NANOTUBES DE NITRURE DE BORE**

[72] WHITNEY, R. ROY, US

[72] DUSHATINSKI, THOMAS G., US

[72] HENNEBERG, THOMAS W., US

[72] JORDAN, KEVIN C., US

[72] PEDRAZZOLI, DIEGO, US

[72] STEVENS, JONATHAN C., US

[72] SMITH, MICHAEL W., US

[71] BNNT, LLC, US

[85] 2019-07-18

[86] 2018-02-07 (PCT/US2018/017231)

[87] (WO2018/148286)

[30] US (62/455,924) 2017-02-07

Demandes PCT entrant en phase nationale

[21] **3,050,922**
[13] A1

[51] **Int.Cl. B05D 1/02 (2006.01) B05D 1/36 (2006.01) C09K 8/80 (2006.01)**

[25] EN

[54] **DETECTION AND QUANTIFICATION OF PROPPANT FOR OPTIMIZED FRACTURE TREATMENT DESIGN IN IN-FILL AND NEW WELLS**

[54] **DETECTION ET QUANTIFICATION D'AGENT DE SOUTÈNEMENT POUR UNE CONCEPTION OPTIMISÉE DE TRAITEMENT DE FRACTURE DANS DES Puits NOUVEAUX ET INTERCALAIRES**

[72] CIEZOBKA, JORDAN, US
[72] EISENLORD, SARAH, US
[72] MAITY, DEBOTYAM, US
[71] GAS TECHNOLOGY INSTITUTE, US
[85] 2019-07-18
[86] 2018-02-08 (PCT/US2018/017412)
[87] (WO2018/148400)
[30] US (62/456,282) 2017-02-08

[21] **3,050,924**
[13] A1

[51] **Int.Cl. G01N 23/225 (2018.01) G01N 1/28 (2006.01) G01N 33/24 (2006.01)**

[25] EN

[54] **ROCK SAMPLE PREPARATION METHOD BY USING FOCUSED ION BEAM FOR MINIMIZING CURTAIN EFFECT**

[54] **PROCEDE DE PREPARATION D'ECHANTILLON DE ROCHE AU MOYEN D'UN FAISCEAU IONIQUE FOCALISÉ POUR MINIMISER L'EFFET RIDEAU**

[72] CHA, DONG, KYU, SA
[72] ENEZI, SULTAN, SA
[72] AL-OTAIBI, MOHAMMED, SA
[72] AL-YOUSEF, ALI ABDALLAH, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-07-18
[86] 2018-02-15 (PCT/US2018/018341)
[87] (WO2018/152308)
[30] US (62/459,391) 2017-02-15
[30] US (15/685,732) 2017-08-24

[21] **3,050,926**
[13] A1

[51] **Int.Cl. G01N 21/64 (2006.01) C12M 1/34 (2006.01) C12M 3/00 (2006.01) G01N 30/88 (2006.01) G02B 27/00 (2006.01) G06K 7/12 (2006.01)**

[25] EN

[54] **SYSTEMS FOR ALLERGEN DETECTION**

[54] **SYSTEMES DE DETECTION D'ALLERGENES**

[72] GILBOA-GEFFEN, ADI, US
[72] BABU BROWN, RENUKA, US
[72] KINTZ, GREGORY J., US
[72] YOUNG, ADAM J., US
[72] MURPHY, PATRICK, US
[72] ANTHONY, JOSHUA GLENN, US
[72] FLEMING, PAUL, US
[72] GORHAM, BRETT, US
[72] GRISWOLD, RYAN, US
[72] RICHARDSON, BRUCE, US
[71] DOTS TECHNOLOGY CORP., US
[85] 2019-07-18
[86] 2018-02-21 (PCT/US2018/018881)
[87] (WO2018/156535)
[30] US (62/461,332) 2017-02-21

[21] **3,050,923**
[13] A1

[51] **Int.Cl. B60N 2/08 (2006.01) B60N 2/015 (2006.01) B60N 2/16 (2006.01)**

[25] EN

[54] **SEAT BASE ASSEMBLY OF A VEHICLE**

[54] **ENSEMBLE BASE DE SIEGE D'UN VEHICULE**

[72] HARGRAVES, JUSTIN, US
[72] NEWTON, BILL, US
[72] TIGGES, JEFFREY, US
[71] THE BRAUN CORPORATION, US
[85] 2019-07-18
[86] 2018-02-13 (PCT/US2018/017915)
[87] (WO2018/148704)
[30] US (62/458,097) 2017-02-13

[21] **3,050,925**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/00 (2006.01) A61B 17/06 (2006.01) A61F 2/24 (2006.01)**

[25] EN

[54] **SUTURING DEVICES FOR HEART VALVE SURGERY**

[54] **DISPOSITIFS DE SUTURE POUR CHIRURGIE DE VALVE CARDIAQUE**

[72] DANG, KEVIN K., US
[72] JANISH, BRYAN A., US
[72] MIRAKI, MANOUCHEHR A., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2019-07-18
[86] 2018-02-20 (PCT/US2018/018732)
[87] (WO2018/152502)
[30] US (62/461,159) 2017-02-20
[30] US (15/895,950) 2018-02-13

[21] **3,050,927**
[13] A1

[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/20 (2006.01)**

[25] EN

[54] **DRUG DELIVERY DEVICE WITH ACTIVATION PREVENTION FEATURE**

[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS DOTE D'UNE FONCTION DE PREVENTION D'ACTIVATION**

[72] STONECIPHER, BRIAN, US
[72] BOYAVAL, MARGAUX FRANCES, US
[72] CHAN, JAMES, US
[72] KUO, AVON, US
[72] CAMERON, ALLAN LEE, US
[72] BISCHOFF, MAXWELL FRANKLIN, US
[72] FLENDER, GREGG ALLEN, US
[71] AMGEN INC, US
[85] 2019-07-18
[86] 2018-03-06 (PCT/US2018/021126)
[87] (WO2018/165143)
[30] US (62/467,602) 2017-03-06

PCT Applications Entering the National Phase

[21] **3,050,928**
[13] A1

[51] **Int.Cl. A61B 10/00 (2006.01) A61B 10/02 (2006.01) A61B 17/00 (2006.01) A61B 17/32 (2006.01) A61M 5/00 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **SAFETY SHIELDS FOR ELONGATED INSTRUMENTS AND RELATED SYSTEMS AND METHODS**

[54] **PROTECTEURS POUR INSTRUMENTS ALLONGES ET SYSTEMES ET METHODES ASSOCIES**

[72] MUSE, JAY A., US
[72] VAN DYKE, RYAN S., US
[71] PIPER ACCESS, LLC., US
[85] 2019-07-18
[86] 2018-03-07 (PCT/US2018/021398)
[87] (WO2018/165334)
[30] US (62/600,857) 2017-03-07
[30] US (62/525,663) 2017-06-27

[21] **3,050,962**
[13] A1

[51] **Int.Cl. A61K 31/407 (2006.01) A61K 31/43 (2006.01) A61K 31/431 (2006.01) A61K 31/545 (2006.01) A61K 31/546 (2006.01) A61K 39/395 (2006.01) A61P 3/06 (2006.01) A61P 11/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **THERAPEUTIC USE OF LEVOROTATORY BETA-LACTAMS IN HEMATOPOIESIS, IMMUNO-ONCOLOGY THERAPY, AND REGULATION OF LIPOPROTEIN AND APOLIPOPROTEIN LEVELS**

[54] **UTILISATION THERAPEUTIQUE DE BETA-LACTAMES LEVOGYRES EN HEMATOPOIESE, THERAPIE IMMUNO-ONCOLOGIQUE, ET REGULATION DES TAUX DE LIPOPROTEINES ET D'APOLIPOPROTEINES**

[72] BRISTOW, CYNTHIA L., US
[72] WINSTON, RONALD, US
[71] ALPHA-1 BIOLOGICS, LLC, US
[85] 2019-07-18
[86] 2018-01-18 (PCT/US2018/014258)
[87] (WO2018/136647)
[30] US (62/447,689) 2017-01-18

[21] **3,050,963**
[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/32 (2006.01) A61B 17/34 (2006.01) A61M 1/00 (2006.01) A61M 5/00 (2006.01) A61M 5/32 (2006.01)**

[25] EN

[54] **SECUREMENT DEVICES, SYSTEMS, AND METHODS**

[54] **DISPOSITIFS, SYSTEMES, ET PROCEDES DE FIXATION**

[72] MUSE, JAY A., US
[72] VAN DYKE, RYAN S., US
[71] PIPER ACCESS, LLC., US
[85] 2019-07-18
[86] 2018-03-07 (PCT/US2018/021408)
[87] (WO2018/165339)
[30] US (62/601,087) 2017-03-10
[30] US (62/584,373) 2017-11-10

[21] **3,050,964**
[13] A1

[51] **Int.Cl. A23N 17/00 (2006.01) A23P 30/20 (2016.01)**

[25] EN

[54] **HIGH SPECIFIC MECHANICAL ENERGY EXTRUSION SCREW ASSEMBLY**

[54] **ENSEMBLE VIS D'EXTRUSION A ENERGIE MECANIQUE SPECIFIQUE ELEVEE**

[72] WENGER, MARC L., US
[72] WILTZ, PHILIP B., US
[71] WENGER MANUFACTURING INC., US
[85] 2019-07-18
[86] 2018-05-16 (PCT/US2018/033001)
[87] (WO2018/222393)
[30] US (62/513,899) 2017-06-01

[21] **3,050,970**
[13] A1

[51] **Int.Cl. A21D 13/066 (2017.01) A21D 13/42 (2017.01)**

[25] EN

[54] **GLUTEN-FREE TORTILLAS**

[54] **TORTILLAS SANS GLUTEN**

[72] CAMMAROTA, CARINA CLAUDIA, ES
[72] NG, CHRISTINE S. T., US
[72] PLAZA GARCIA, JONAS, ES
[71] GENERAL MILLS, INC., US
[85] 2019-07-18
[86] 2018-01-18 (PCT/US2018/014229)
[87] (WO2018/140283)
[30] US (15/419,474) 2017-01-30

[21] **3,050,974**
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01)**

[25] EN

[54] **USER EQUIPMENTS, BASE STATIONS AND METHODS**

[54] **EQUIPEMENTS D'UTILISATEUR, STATIONS DE BASE ET PROCEDES**

[72] AIBA, TATSUSHI, US
[72] SHENG, JIA, US
[72] NOGAMI, TOSHIZO, US
[71] FG INNOVATION COMPANY LIMITED, CN
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2019-07-02
[86] 2018-01-02 (PCT/US2018/012047)
[87] (WO2018/128975)
[30] US (62/443,403) 2017-01-06

[21] **3,050,976**
[13] A1

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 17/00 (2019.01)**

[25] EN

[54] **FACILITATED USER INTERACTION**

[54] **INTERACTION D'UTILISATEUR FACILITEE**

[72] GUY, RAYMOND JAMES, AU
[71] ALKIRA SOFTWARE HOLDINGS PTY LTD, AU
[85] 2019-07-19
[86] 2017-12-22 (PCT/AU2017/051447)
[87] (WO2018/132863)
[30] AU (2017900198) 2017-01-23

[21] **3,050,979**
[13] A1

[51] **Int.Cl. A63F 9/04 (2006.01) A63F 3/00 (2006.01)**

[25] EN

[54] **GAMING METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE JEU**

[72] STEWART, PAULA, AU
[72] BRUCE, DARYL, AU
[72] DUPRE, PETER, AU
[72] BACHMAN, BRENNAN, AU
[72] PELLEGRINO, MARCUS, AU
[71] CLUB GAMING PTY LTD, AU
[85] 2019-07-19
[86] 2018-01-22 (PCT/AU2018/000004)
[87] (WO2018/132864)
[30] AU (2017900180) 2017-01-20

Demandes PCT entrant en phase nationale

[21] **3,050,980**
[13] A1

[51] **Int.Cl. B02C 17/16 (2006.01) B02C 17/22 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN STIRRED BEAD GRINDING MILLS**

[54] **PERFECTIONNEMENTS APPORTES A DES BROYEURS A BILLES AGITEES**

[72] BELKE, JEFF, AU

[72] HEATH, ALEX, AU

[72] JAMIESON, EDWARD ALLAN, AU

[71] OUTOTEC (FINLAND) OY, FI

[71] SWISS TOWER MILLS MINERALS AG, CH

[85] 2019-07-19

[86] 2017-01-26 (PCT/FI2017/050042)

[87] (WO2018/138405)

[21] **3,050,982**
[13] A1

[51] **Int.Cl. A47C 12/00 (2006.01) A47K 17/00 (2006.01) E06C 7/00 (2006.01)**

[25] EN

[54] **HINGED STEP FOR SMALL PERSON**

[54] **MARCHE ARTICULEE POUR PETITE PERSONNE**

[72] REID, FREDERICK, CA

[72] LAFOND, JEAN-FRANCOIS, CA

[72] MAZAHERI-TEHRANI, BEHRANG, CA

[71] DEVELOPPEMENTS LAFOND ET REID INC., CA

[85] 2019-07-19

[86] 2017-01-20 (PCT/CA2017/000014)

[87] (WO2017/124180)

[30] US (62/286,301) 2016-01-22

[21] **3,050,985**
[13] A1

[51] **Int.Cl. A47B 87/00 (2006.01)**

[25] EN

[54] **MODULAR FURNITURE ARRANGEMENT COMPRISING ELECTRICALLY AND MECHANICALLY CONNECTABLE MODULE FURNITURE PARTS**

[54] **AGENCEMENT DE MEUBLE MODULAIRE COMPRENANT DES PARTIES DE MEUBLE MODULAIRE POUVANT ETRE RELIEES ELECTRIQUEMENT ET MECANIQUEMENT**

[72] MORIMOTO, TEPPEI, FI

[71] ABSOLUTE MODULE OY, FI

[85] 2019-07-19

[86] 2017-02-26 (PCT/FI2017/050124)

[87] (WO2017/149197)

[30] FI (20165157) 2016-02-29

[21] **3,050,981**
[13] A1

[51] **Int.Cl. C12N 15/12 (2006.01) A61K 39/002 (2006.01) A61P 33/12 (2006.01) C07K 14/44 (2006.01) C12N 15/67 (2006.01) C12N 15/81 (2006.01) G01N 33/569 (2006.01)**

[25] EN

[54] **RECOMBINANT VACCINE AGAINST HELMINTHS IN PICHIA PASTORIS AND METHODS FOR PRODUCING AND PURIFYING PROTEINS FOR USE AS VACCINES AGAINST HELMINTHS**

[54] **VACCIN RECOMBINANT POUR HELMINTHES DANS PICHIA PASTORIS, ET PROCEDES DE PRODUCTION ET DE PURIFICATION DE PROTEINE EN TANT QUE VACCIN POUR HELMINTHES**

[72] TENDLER, MIRIAM, BR

[72] SIMPSON, ANDREW J. G., US

[72] RAMOS, CELSO RAUL ROMERO, BR

[71] FUNDACAO OSWALDO CRUZ, BR

[85] 2019-07-19

[86] 2018-01-22 (PCT/BR2018/000001)

[87] (WO2018/132882)

[30] BR (BR102017001309-0) 2017-01-23

[21] **3,050,984**
[13] A1

[51] **Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6813 (2018.01) A61K 33/24 (2019.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **MOLECULAR SUBTYPING, PROGNOSIS, AND TREATMENT OF BLADDER CANCER**

[54] **SOUS-TYPAGE MOLECULAIRE, PRONOSTIC ET TRAITEMENT DU CANCER DE LA VESSIE**

[72] DAVICIONI, ELAI, US

[72] ASHAB, HUSSAM AL-DEEN, CA

[72] ERHO, NICHOLAS, CA

[72] BLACK, PETER, CA

[71] DECIPHER BIOSCIENCES, INC., US

[85] 2019-07-19

[86] 2018-01-19 (PCT/CA2018/050060)

[87] (WO2018/132916)

[30] US (62/448,921) 2017-01-20

[21] **3,050,987**
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) A61K 47/51 (2017.01) A61K 47/66 (2017.01) A61K 38/10 (2006.01) A61K 38/16 (2006.01) A61P 31/04 (2006.01) C07K 1/107 (2006.01) C07K 7/08 (2006.01) C07K 14/00 (2006.01)**

[25] EN

[54] **PEPTIDE INHIBITOR OF TRANSMEMBRANE PORE FORMATION AND EFFLUXPUMP FUNCTION IN A SMALL MULTIDRUG RESISTANCE PROTEIN FROM PSEUDOMONAS AERUGINOSA**

[54] **INHIBITEUR PEPTIDIQUE DE LA FORMATION DE PORES TRANSMEMBRANAIRES ET DE LA FONCTION DE POMPE D'EFFLUX DANS UNE PETITE PROTEINE DE MULTIRESISTANCE AUX MEDICAMENTS ISSUE DE PSEUDOMONAS AERUGINOSA**

[72] DEBER, CHARLES M., CA

[71] THE HOSPITAL FOR SICK CHILDREN, CA

[85] 2019-07-19

[86] 2018-01-19 (PCT/CA2018/050064)

[87] (WO2018/132920)

[30] US (62/449,066) 2017-01-22

PCT Applications Entering the National Phase

[21] **3,050,988**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **PREFERRED PAIRING OF ANTIBODY DOMAINS**
[54] **APPARIEMENT PREFERE DE DOMAINES D'ANTICORPS**
[72] RUKER, FLORIAN, AT
[72] BONISCH, MAXIMILIAN, AT
[71] MERCK PATENT GMBH, DE
[85] 2019-07-04
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[87] (WO2018/141894)
[30] EP (17154388.7) 2017-02-02

[21] **3,050,989**
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[51] **Int.Cl. A61H 9/00 (2006.01) A61H 33/00 (2006.01) A61H 37/00 (2006.01)**
[25] EN
[54] **BATHTUB FOR SIMULATING BODY FLOTATION**
[54] **BAIGNOIRE POUR SIMULER LA FLOTTAISON DU CORPS**
[72] CIMADAMORE, ANNA LUISA, IT
[71] HSIGN S.R.L., IT
[85] 2019-07-09
[86] 2017-01-12 (PCT/IB2017/050149)
[87] (WO2018/130879)

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[25] EN
[54] **OPEN TIME COMPENSATED GLUING PROCESS AND GLUING APPARATUS**
[54] **PROCEDE DE COLLAGE ET APPAREIL DE COLLAGE A COMPENSATION DE TEMPS OUVERT**
[72] KUISMANEN, ESA, FI
[71] OY PRO-HYDRO AB, FI
[85] 2019-07-19
[86] 2018-01-16 (PCT/FI2018/050027)
[87] (WO2018/134476)
[30] FI (20175055) 2017-01-23

[21] **3,050,991**
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[25] EN
[54] **INSULATED METAL PANEL**
[54] **PANNEAU METALLIQUE ISOLE**
[72] LISKI, MARIKA, FI
[71] FOODMAIL FINLAND OY, FI
[85] 2019-07-19
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[87] (WO2018/142026)
[30] FI (20175088) 2017-02-01

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[25] EN
[54] **SHAKE PRODUCT BLENDING PROCESS**
[54] **PROCEDE DE MELANGE DE PRODUITS A AGITER**
[72] VANDE VOORT, PARKER R., US
[72] RYAN, MARK A., US
[72] GRULKE, MARC R., US
[72] MINARD, JAMES J., US
[71] TAYLOR COMMERCIAL FOODSERVICE INC., US
[85] 2019-07-18
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[25] EN
[54] **BRAKE SHOE, SYSTEM FOR MODULAR ASSEMBLY OF A BRAKE SHOE, BRAKE APPARATUS AND METHOD FOR PRODUCING A BRAKE SHOE**
[54] **MACHOIRE DE FREIN, SYSTEME D'ASSEMBLAGE MODULAIRE D'UNE MACHOIRE DE FREIN, DISPOSITIF DE FREINAGE ET PROCEDE DE FABRICATION D'UNE MACHOIRE DE FREINAGE**
[72] HARTMANN, MARK, DE
[71] SAF-HOLLAND GMBH, DE
[85] 2019-07-19
[86] 2018-01-25 (PCT/EP2018/051834)
[87] (WO2018/138203)
[30] DE (10 2017 101 525.6) 2017-01-26

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[54] **QUENCH PROTECTION IN SUPERCONDUCTING MAGNETS**
[54] **PROTECTION CONTRE LA TRANSITION RESISTIVE DANS DES AIMANTS SUPRACONDUCTEURS**
[72] NOONAN, PAUL, GB
[72] SLADE, ROBERT, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2019-07-19
[86] 2017-12-14 (PCT/GB2017/053749)
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[30] GB (1703132.9) 2017-02-27

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[25] EN
[54] **MANAGING EVENT DATABASES USING HISTOGRAM-BASED ANALYSIS**
[54] **GESTION DE CALENDRIERS D'EVENEMENTS AU MOYEN D'UNE ANALYSE BASEE SUR UN HISTOGRAMME**
[72] ALBERTINE, SCOTT HERMAN, US
[72] GOLUBIC, K. VIKTOR, US
[72] HUBER, THOMAS JOSEPH, II, US
[71] BLACKBOOK MEDIA INC., US
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[86] 2019-02-06 (PCT/US2019/016771)
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[54] **BIOMARKERS OF TRAUMATIC BRAIN INJURY**
[54] **BIOMARQUEURS DE TRAUMATISME CRANIO-CEREBRAL**
[72] BELLI, ANTONIO, GB
[72] DI PIETRO, VALENTINA, GB
[71] THE UNIVERSITY OF BIRMINGHAM, GB
[85] 2019-07-19
[86] 2017-12-22 (PCT/GB2017/053887)
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[25] EN
[54] **AUTOMATIC LIQUID WASTE RESERVOIR LEVEL CONTROL**
[54] **COMMANDE AUTOMATIQUE DE NIVEAU DE RESERVOIR DE DECHETS LIQUIDES**
[72] CURTIS, MICAH A., US
[71] MUSTANG SAMPLING LLC, US
[85] 2019-07-17
[86] 2018-01-18 (PCT/US2018/014141)
[87] (WO2018/136585)
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[30] US (15/862,170) 2018-01-04

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[25] EN
[54] **SYNTHETIC CHORD FOR CARDIAC VALVE REPAIR APPLICATIONS**
[54] **CORDON SYNTHETIQUE POUR APPLICATIONS DE REPARATION DE VALVULES CARDIAQUES**
[72] LONGORIA, JAMES, US
[71] LC THERAPEUTICS, INC., US
[85] 2019-07-19
[86] 2017-03-09 (PCT/US2017/021556)
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[51] **Int.Cl. C07K 7/23 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS (IMMUNORHELINS-INTRACELLULAR INFECTIONS)**
[54] **NOUVEAUX COMPOSES (IMMUNORHELINES - INFECTIONS INTRACELLULAIRES)**
[72] WINQVIST, OLA, SE
[72] LINDH, EMMA, SE
[72] WALLIN, ROBERT, SE
[72] GREGORY, MATT, GB
[72] MOSS, STEVEN, GB
[71] IMMUNE SYSTEM REGULATION HOLDING AB, SE
[85] 2019-07-19
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[30] EP (17152466.3) 2017-01-20

[21] **3,051,001**
[13] A1

[51] **Int.Cl. G07C 1/10 (2006.01) G06K 9/78 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING CUSTOMER SERVICE TIMES**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE TEMPS DE SERVICE CLIENT**
[72] JOHNSEN, ROBERT, US
[72] LAGANIERE, ROBERT, CA
[71] JOHNSEN, ROBERT, US
[71] LAGANIERE, ROBERT, CA
[85] 2019-07-19
[86] 2018-01-19 (PCT/CA2018/050067)
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[30] US (62/448,725) 2017-01-20

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[13] A1

[51] **Int.Cl. C23C 2/12 (2006.01) C23C 2/28 (2006.01) C23C 2/40 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A HOT-FORMED COATED STEEL PRODUCT**
[54] **PROCEDE DE FABRICATION D'UN PRODUIT EN ACIER REVETU PAR FORMAGE A CHAUD**
[72] BEENTJES, PETRUS CORNELIS JOZEF, NL
[71] TATA STEEL IJMUIDEN B.V., NL
[85] 2019-07-19
[86] 2018-02-23 (PCT/EP2018/054600)
[87] (WO2018/158166)
[30] EP (17158419.6) 2017-02-28
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[21] **3,051,003**
[13] A1

[51] **Int.Cl. G09G 3/20 (2006.01) G09G 3/34 (2006.01)**
[25] EN
[54] **DRIVING METHODS FOR COLOR DISPLAY DEVICE**
[54] **PROCEDES DE PILOTAGE DE DISPOSITIF D'AFFICHAGE COULEUR**
[72] LIN, CRAIG, US
[72] HUANG, JO-CHENG, US
[72] CHEN, HENG-CHE, US
[72] LAXTON, PETER B., US
[72] WANG, MING, US
[72] CHENG, PING-YUEH, US
[72] ZANG, HONGMEI, US
[71] E INK CALIFORNIA, LLC, US
[85] 2019-07-19
[86] 2018-04-17 (PCT/US2018/027897)
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[30] US (15/496,604) 2017-04-25

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[51] **Int.Cl. E21B 21/00 (2006.01) E21B 33/00 (2006.01) E21B 34/00 (2006.01) E21B 49/00 (2006.01) F16K 15/00 (2006.01) F16K 31/00 (2006.01)**

[25] EN

[54] **TESTABLE BACK PRESSURE VALVE AND PRESSURE TESTING SYSTEM THEREFOR**

[54] **ROBINET A PRESSION CONSTANTE POUVANT ETRE TESTE ET SYSTEME DE TEST DE PRESSION POUR CELUI-CI**

[72] BOYD, GARETH, US

[72] BACA, BRIAN J., US

[71] FMC TECHNOLOGIES, INC., US

[85] 2019-07-19

[86] 2018-03-17 (PCT/US2018/023043)

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[21] **3,051,006**
[13] A1

[51] **Int.Cl. F24T 10/13 (2018.01) F24T 10/15 (2018.01) F24D 11/02 (2006.01) F28F 1/00 (2006.01) F28F 7/02 (2006.01)**

[25] EN

[54] **MULTI-CHANNEL GROUND HEAT EXCHANGE UNIT AND GEOTHERMAL SYSTEM**

[54] **UNITE D'ECHANGE DE CHALEUR AU SOL A CANAUX MULTIPLES ET SYSTEME GEOTHERMIQUE**

[72] ESLAMI-NEJAD, PARHAM, CA

[72] OUZZANE, MOHAMED, CA

[72] GUAY, CLAUDE, CA

[72] BADACHE, MESSAOUD, CA

[71] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES CANADA, CA

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[86] 2018-02-09 (PCT/CA2018/050148)

[87] (WO2018/145210)

[30] US (62/457,439) 2017-02-10

[21] **3,051,007**
[13] A1

[51] **Int.Cl. A47L 9/02 (2006.01) A47L 9/06 (2006.01)**

[25] EN

[54] **VACUUM ACCESSORY WITH BLADES**

[54] **ACCESSOIRE SOUS VIDE COMPRENANT DES LAMES**

[72] MARTIN, JASON LEE, US

[72] NORELL, NEIL N., US

[72] YURKO, MICHAEL Z., US

[71] SHOP VAC CORPORATION, US

[85] 2019-07-19

[86] 2018-03-01 (PCT/US2018/020389)

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[30] US (62/466,912) 2017-03-03

[30] US (62/489,636) 2017-04-25

[21] **3,051,008**
[13] A1

[51] **Int.Cl. G06F 13/16 (2006.01)**

[25] EN

[54] **PROVIDING SINGLE DATA RATE (SDR) MODE OR DOUBLE DATA RATE (DDR) MODE FOR THE COMMAND AND ADDRESS (CA) BUS OF REGISTERING CLOCK DRIVE (RCD) FOR DYNAMIC RANDOM ACCESS MEMORY (DRAM)**

[54] **FOURNITURE DE MODE A DEBIT DE DONNEES UNIQUE (SDR) OU A DOUBLE DEBIT DE DONNEES (DDR) POUR LE BUS DE COMMANDE ET D'ADRESSE (CA) DU DISPOSITIF DE COMMANDE D'HORLOGE D'ENREGISTREMENT (RCD) POUR MEMOIRE VIVE DYNAMIQUE (DRAM)**

[72] WANG, LIYONG, US

[72] BAINS, KULJIT SINGH, US

[72] QUEEN, WESLEY, US

[71] QUALCOMM INCORPORATED, US

[85] 2019-07-19

[86] 2018-02-22 (PCT/US2018/019251)

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[30] US (62/463,896) 2017-02-27

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[21] **3,051,010**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN

[54] **METHOD AND DEVICE FOR TRANSMITTING UPLINK SIGNALS**

[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES DE LIAISON MONTANTE**

[72] TANG, HAI, CN

[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN

[85] 2019-07-19

[86] 2017-01-23 (PCT/CN2017/072285)

[87] (WO2018/133124)

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[51] **Int.Cl. A61K 35/76 (2015.01) A61P 3/06 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **GENE THERAPY FOR TREATING FAMILIAL HYPERCHOLESTEROLEMIA**

[54] **THERAPIE GENIQUE POUR TRAITER L'HYPERCHOLESTEROLEMIE FAMILIALE**

[72] WILSON, JAMES M., US

[72] RADER, DANIEL J., US

[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US

[85] 2019-07-19

[86] 2018-02-20 (PCT/US2018/018678)

[87] (WO2018/152485)

[30] US (62/461,015) 2017-02-20

[21] **3,051,013**
[13] A1

[51] **Int.Cl. G16H 15/00 (2018.01) G16H 10/00 (2018.01) G16H 80/00 (2018.01)**

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[54] **COMPUTER-AUTOMATED SCRIBE TOOLS**

[54] **OUTILS D'ECRITURE AUTOMATISES PAR ORDINATEUR**

[72] KOLL, DETLEF, US

[72] JAGANNATHAN, VASUDEVAN, US

[71] MMODAL IP LLC, US

[85] 2019-07-19

[86] 2018-02-15 (PCT/US2018/018406)

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[30] US (62/460,791) 2017-02-18

[30] US (15/897,945) 2018-02-15

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[25] EN
[54] **PROJECTOR ARCHITECTURE INCORPORATING ARTIFACT MITIGATION**
[54] **ARCHITECTURE DE PROJECTEUR INCORPORANT UNE ATTENUATION D'ARTEFACTS**
[72] SCHUCK, MILLER HARRY, III, US
[72] CURTIS, KEVIN RICHARD, US
[72] CHENG, HUI-CHUAN, US
[72] SISSOM, BRADLEY JAY, US
[72] GRECO, PAUL M., US
[72] WELCH, WILLIAM HUDSON, US
[72] BROWY, ERIC C., US
[71] MAGIC LEAP, INC., US
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[86] 2018-02-15 (PCT/US2018/018386)
[87] (WO2018/152337)
[30] US (62/459,559) 2017-02-15
[30] US (62/459,964) 2017-02-16
[30] US (62/592,607) 2017-11-30

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[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **RANDOM ACCESS METHOD, TERMINAL APPARATUS, AND NETWORK APPARATUS**
[54] **PROCEDE D'ACCES ALEATOIRE, APPAREIL DE TERMINAL ET APPAREIL DE RESEAU**
[72] LIU, JIANHUA, CN
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-19
[86] 2017-01-23 (PCT/CN2017/072286)
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[13] A1

[51] **Int.Cl. G02B 5/30 (2006.01) G02B 27/14 (2006.01) G02B 27/28 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DISPLAY DEVICE WITH INTEGRATED POLARIZER**
[54] **PROCEDE ET SYSTEME POUR DISPOSITIF D'AFFICHAGE A POLARISEUR INTEGRE**
[72] CHENG, HUI-CHUAN, US
[72] YEOH, IVAN LI CHUEN, US
[72] EDWIN, LIONEL ERNEST, US
[71] MAGIC LEAP, INC., US
[85] 2019-07-19
[86] 2018-02-14 (PCT/US2018/018222)
[87] (WO2018/152233)
[30] US (62/459,984) 2017-02-16

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[13] A1

[51] **Int.Cl. H04W 48/08 (2009.01)**
[25] EN
[54] **ACCESS METHOD, AND TERMINAL**
[54] **PROCEDE D'ACCES, ET TERMINAL**
[72] LIU, JIANHUA, CN
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[87] (WO2018/133127)

[21] **3,051,018**
[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **METHOD FOR RANDOM ACCESS, AND TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE D'ACCES ALEATOIRE, DISPOSITIF TERMINAL, ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[21] **3,051,019**
[13] A1

[51] **Int.Cl. A61K 35/36 (2015.01) A61K 35/00 (2006.01) A61P 25/16 (2006.01)**
[25] EN
[54] **INHIBITING OR ALLEVIATING AGENT FOR AS-INDUCED DAMAGE**
[54] **AGENT INHIBITEUR OU ATTENUANT POUR DOMMAGES INDUITS PAR AS**
[72] LIU, JUN, CN
[71] LIU, JUN, CN
[71] NIPPON ZOKI PHARMACEUTICAL CO., LTD., JP
[85] 2019-07-19
[86] 2017-03-06 (PCT/CN2017/075747)
[87] (WO2018/161211)

[21] **3,051,020**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **METHOD FOR ACQUIRING USER INFORMATION AND RELEVANT DEVICE**
[54] **PROCEDE D'ACQUISITION D'INFORMATIONS D'UTILISATEUR ET DISPOSITIF PERTINENT**
[72] GAO, YUN, CN
[72] MU, CONG, CN
[71] CAINIAO SMART LOGISTICS HOLDING LIMITED, KY
[85] 2019-07-19
[86] 2018-01-10 (PCT/CN2018/072041)
[87] (WO2018/133715)
[30] CN (201710048865.9) 2017-01-20

[21] **3,051,021**
[13] A1

[51] **Int.Cl. H04W 16/10 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **SEPARATE CONFIGURATION OF NUMEROLOGY-ASSOCIATED RESOURCES**
[54] **CONFIGURATION SEPARÉE DE RESSOURCES ASSOCIÉES A UNE NUMÉROLOGIE**
[72] SHEN, JIA, CN
[72] XU, HUA, CA
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-19
[86] 2018-01-15 (PCT/CN2018/072573)
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[30] US (62/448,676) 2017-01-20

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[51] Int.Cl. H04W 72/04 (2009.01) [25] EN [54] METHOD FOR INFORMING AVAILABLE RESOURCE FOR PDSCH, METHOD FOR DETERMINING AVAILABLE RESOURCE FOR PDSCH, BASE STATION AND UE [54] PROCEDE D'INDICATION DE RESSOURCE DISPONIBLE POUR UN PDSCH, PROCEDE DE DETERMINATION DE RESSOURCE DISPONIBLE POUR UN PDSCH, STATION DE BASE, ET UE [72] XU, HUA, CA [71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN [85] 2019-07-19 [86] 2018-01-18 (PCT/CN2018/073220) [87] (WO2018/133819) [30] US (62/448,537) 2017-01-20	[51] Int.Cl. A23L 3/3544 (2006.01) A61K 8/11 (2006.01) A61K 8/67 (2006.01) A61K 9/50 (2006.01) A61K 47/22 (2006.01) A61Q 19/00 (2006.01) [25] EN [54] A STABLE FAT-SOLUBLE ACTIVE INGREDIENT COMPOSITION, MICROCAPSULE AND PROCESS OF PREPARATION AND USE THEREOF [54] COMPOSITION AU PRINCIPE ACTIF STABLE ET LIPOSOLUBLE, MICROCAPSULE, ET LEUR PROCEDE DE PREPARATION ET APPLICATION [72] MAO, GUOQUAN, CN [72] ZHU, HONGMING, CN [72] MA, WENXIN, CN [72] LIANG, ZHIPING, CN [72] QIAN, LI, CN [72] LUBBE, FRITZ BERNHARD, CN [72] HU, SIPING, CN [72] LI, CHUN, CN [72] WEN, SHANPING, CN [72] WANG, QINLAN, CN [72] KONG, HUAJUAN, CN [71] ZHEJIANG MEDICINE CO., LTD. XINCHANG PHARMACEUTICAL FACTORY, CN [71] ZHEJIANG MEDICINE CO., LTD. VITAMIN FACTORY, CN [85] 2019-07-19 [86] 2018-01-19 (PCT/CN2018/073371) [87] (WO2018/133833) [30] CN (201710042526.X) 2017-01-20 [30] CN (201710694878.3) 2017-08-15	[51] Int.Cl. C02F 3/06 (2006.01) C02F 3/12 (2006.01) C02F 3/28 (2006.01) C02F 3/32 (2006.01) C02F 3/30 (2006.01) [25] EN [54] BIOLOGICAL TREATMENT INSTALLATION WITH SEQUENCING BATCH REACTOR INTEGRATING PURIFYING PLANTS AND MOVING BIOMASS CARRIERS, AND METHOD IMPLEMENTATION [54] INSTALLATION DE TRAITEMENT BIOLOGIQUE A REACTEUR SEQUENTIEL DISCONTINU INTEGRANT DES PLANTES EPURATRICES ET DES SUPPORTS MOBILES DE BIOMASSE ET PROCEDE DE MISE EN OEUVRE [72] GAID, ABDELKADER, FR [72] DJAFER, MALIK, FR [71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR [85] 2019-07-19 [86] 2018-01-23 (PCT/EP2018/051564) [87] (WO2018/145891) [30] FR (1750997) 2017-02-07
		[21] 3,051,025 [13] A1
		[51] Int.Cl. H04L 29/06 (2006.01) [25] EN [54] BLOCKCHAIN SYSTEM AND DATA STORAGE METHOD AND APPARATUS [54] SYSTEME DE CHAINE DE BLOCS ET PROCEDE ET APPAREIL DE MEMORISATION DE DONNEES [72] LI, NING, CN [71] ALIBABA GROUP HOLDING LIMITED, KY [85] 2019-07-19 [86] 2018-02-12 (PCT/CN2018/076505) [87] (WO2018/149385) [30] CN (201710086153.6) 2017-02-17

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[21] **3,051,026**
[13] A1

[51] **Int.Cl. C23C 2/06 (2006.01) C23C 2/40 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR CONTROLLING FLOW OF LIQUID ZINC IN ZINC POT FOR HOT-DIP GALVANIZATION**

[54] **PROCEDE ET DISPOSITIF DESTINES A COMMANDER L'ECOULEMENT DE ZINC LIQUIDE DANS UN POT DE ZINC DESTINE A UNE GALVANISATION PAR IMMERSION A CHAUD**

[72] HOU, XIAO GUANG, CN
[72] QIAN, HONGWEI, CN
[72] YU, LEI, CN
[72] LI, SHANQING, CN
[72] LU, YONG, CN
[72] JIN, XINYAN, CN
[72] ZHOU, YUEMING, CN
[72] SHEN, JUN, CN
[72] WANG, CUNBING, CN
[72] YANG, BING, CN
[72] WANG, HUI, CN
[72] XU, HAO, CN
[72] GU, TINGQUAN, CN
[71] BAOSHAN IRON & STEEL CO., LTD., CN
[85] 2019-07-19
[86] 2018-03-16 (PCT/CN2018/079296)
[87] (WO2018/223746)
[30] CN (201710417938.7) 2017-06-06

[21] **3,051,027**
[13] A1

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

[25] EN

[54] **WIRELESS CHARGING DEVICE, DEVICE TO-BE-CHARGED, AND METHOD FOR CONTROLLING THE SAME**

[54] **APPAREIL DE CHARGE SANS FIL, DISPOSITIF A CHARGER ET PROCEDE DE COMMANDE ASSOCIE**

[72] WAN, SHIMING, CN
[72] ZHANG, JIALIANG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-07-19
[86] 2018-04-04 (PCT/CN2018/081962)
[87] (WO2018/184573)
[30] CN (PCT/CN2017/079784) 2017-04-07
[30] CN (PCT/CN2017/080334) 2017-04-13

[21] **3,051,028**
[13] A1

[51] **Int.Cl. G05D 1/02 (2006.01) G05D 1/00 (2006.01)**

[25] EN

[54] **A ROLLING ARRANGEMENT AND METHOD FOR AUTONOMOUSLY REPOSITIONING DEVICES WITH INTEGRATED ROLLING ARRANGEMENT**

[54] **AGENCEMENT DE ROULEMENT ET PROCEDE DE REPOSITIONNEMENT AUTONOME DE DISPOSITIFS A AGENCEMENT DE ROULEMENT INTEGRE**

[72] TIMENES, ATLE, NO
[71] WHEEL.ME AS, NO
[85] 2019-07-19
[86] 2018-01-29 (PCT/EP2018/052102)
[87] (WO2018/138320)
[30] EP (17153510.7) 2017-01-27

[21] **3,051,029**
[13] A1

[51] **Int.Cl. A63F 7/36 (2006.01)**

[25] EN

[54] **MODULAR BALL TRACK SYSTEM**

[54] **SYSTEME DE GORGE DE ROULEMENT A BILLES MODULAIRE**

[72] HODEK, JOHANNES, DE
[72] MUENZER, RALPH, DE
[72] TUERCK, CLEMENS, DE
[71] RAVENSBURGER SPIELEVERLAG GMBH, DE
[85] 2019-07-19
[86] 2017-01-27 (PCT/EP2017/051820)
[87] (WO2018/137776)

[21] **3,051,030**
[13] A1

[51] **Int.Cl. G06K 19/067 (2006.01) G06K 7/08 (2006.01)**

[25] EN

[54] **METHOD FOR GENERATING A TIME-DEPENDENT SIGNAL ON A CAPACITIVE SURFACE SENSOR AND METHOD FOR IDENTIFYING A CARD-LIKE OBJECT, AND CARD-LIKE OBJECT AND USE THEREOF**

[54] **PROCEDE DE GENERATION D'UN SIGNAL DEPENDANT DU TEMPS SUR UN CAPTEUR SURFACIQUE CAPACITIF, PROCEDE D'IDENTIFICATION D'UN OBJET DE TYPE CARTE, OBJET DE TYPE CARTE ET SON UTILISATION**

[72] WEIGELT, KARIN, DE
[72] THIELE, JAN, DE
[71] PRISMADE LABS GMBH, DE
[85] 2019-07-19
[86] 2018-01-31 (PCT/EP2018/000044)
[87] (WO2018/141478)
[30] EP (17000167.1) 2017-01-31
[30] EP (17001423.7) 2017-08-21

[21] **3,051,032**
[13] A1

[51] **Int.Cl. B60T 17/22 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MONITORING OF RAIL WAGON HAND BRAKE**

[54] **PROCEDE ET SYSTEME DE SURVEILLANCE D'UN FREIN A MAIN DE WAGON FERROVIAIRE**

[72] RONSE, FREDERICK, BE
[71] OVINTO CVBA, BE
[85] 2019-07-19
[86] 2018-01-31 (PCT/EP2018/052441)
[87] (WO2018/141816)
[30] EP (17154435.6) 2017-02-02

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[21] **3,051,033**
[13] A1

[51] **Int.Cl. B60R 9/042 (2006.01) E02F 3/88 (2006.01)**
[25] EN
[54] **DEVICE FOR RECEIVING AND TRANSPORTING COMPONENTS, IN PARTICULAR PIPES OR TUBES, MATERIAL COLLECTION CONTAINER FOR A VEHICLE, AND SUCTION EXCAVATOR HAVING SUCH A DEVICE**
[54] **DISPOSITIF DE RECEPTION ET DE TRANSPORT D'ELEMENTS, EN PARTICULIER DE TUYAUX FLEXIBLES OU DE TUBES, CONTENANT DE COLLECTE DE MATERIAU POUR UN VEHICULE AINSI QU'EXCAVATRICE ASPIRANTE POURVUE D'UN TEL DISPOSITIF**
[72] RENGER, KARL-HEINZ, DE
[72] RENGER, MARINA, DE
[72] GRABER, JENS, DE
[71] RSP GMBH, DE
[85] 2019-07-19
[86] 2018-01-18 (PCT/EP2018/051223)
[87] (WO2018/134312)
[30] DE (20 2017 100 264.0) 2017-01-19

[21] **3,051,034**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ARYL HYDROCARBON RECEPTOR (AHR) MODULATOR COMPOUNDS**
[54] **COMPOSES MODULATEURS DU RECEPTEUR DES HYDROCARBURES D'ARYL (AHR)**
[72] STEENECK, CHRISTOPH, DE
[72] DEUSCHLE, ULRICH, DE
[72] ALBERS, MICHAEL, DE
[72] HOFFMANN, THOMAS, DE
[71] PHENEX PHARMACEUTICALS AG, DE
[85] 2019-07-19
[86] 2018-02-01 (PCT/EP2018/052538)
[87] (WO2018/141855)
[30] EP (17000157.2) 2017-02-01

[21] **3,051,035**
[13] A1

[51] **Int.Cl. G02B 27/00 (2006.01) F21V 8/00 (2006.01) G02B 27/01 (2006.01) G02B 27/42 (2006.01) G02B 5/18 (2006.01)**
[25] EN
[54] **WAVEGUIDE FOR AN AUGMENTED REALITY OR VIRTUAL REALITY DISPLAY**
[54] **GUIDE D'ONDES POUR UN AFFICHAGE A REALITE AUGMENTEE OU A REALITE VIRTUELLE**
[72] GREY, DAVID JAMES, GB
[72] VALERA, MOHMED SALIM, GB
[71] WAVE OPTICS LTD, GB
[85] 2019-07-19
[86] 2018-03-16 (PCT/GB2018/050697)
[87] (WO2018/178626)
[30] GB (1705160.8) 2017-03-30

[21] **3,051,036**
[13] A1

[51] **Int.Cl. A21D 10/02 (2006.01) A23L 7/10 (2016.01) A21D 13/42 (2017.01) A21D 10/04 (2006.01) A21D 13/04 (2017.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR THE MANUFACTURE OF VEGETABLE DOUGH**
[54] **PROCEDE ET SYSTEME DE FABRICATION DE PATE A BASE D'UN VEGETAL**
[72] CARIDIS, ANDREW ANTHONY, US
[72] ARAO TOYOHARA, ERNESTO ISAM, MX
[72] SANDOVAL AVILA, JESUS ADOLFO, MX
[72] GONZALEZ GRANADOS, SERGIO, MX
[72] GOMEZ ANGULO, MIGUEL ANGEL, MX
[72] LORENZANA SAUCEDO, MARIO, MX
[72] LORENZANA GUERRERO, ARTURO, MX
[71] HEAT AND CONTROL, INC., US
[85] 2019-07-19
[86] 2017-09-14 (PCT/IB2017/055566)
[87] (WO2018/224871)
[30] MX (MX/a/2017/007061) 2017-06-05

[21] **3,051,037**
[13] A1

[51] **Int.Cl. C08F 20/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR REMOVING CHLORIDE FROM A POLYMER MELT**
[54] **PROCEDE D'ELIMINATION DU CHLORURE D'UNE MASSE FONDUE POLYMERE**
[72] PURANIK, VIJAYALAKSHMI RAVI, IN
[72] SIDHPURIA, KALPESHKUMAR BHIKHUBHAI, IN
[71] RELIANCE INDUSTRIES LIMITED, IN
[85] 2019-07-19
[86] 2018-01-06 (PCT/IB2018/050093)
[87] (WO2018/142231)
[30] IN (201721004094) 2017-02-03

[21] **3,051,038**
[13] A1

[51] **Int.Cl. C07H 15/00 (2006.01) A61K 47/64 (2017.01)**
[25] EN
[54] **CALICHEAMICIN DERIVATIVES AND ANTIBODY DRUG CONJUGATES THEREOF**
[54] **DERIVES DE CALICHEAMICINE ET CONJUGUES ANTICORPS-MEDICAMENTS DE CEUX-CI**
[72] AHMAD, OMAR KHALED, US
[72] BROWN, STEPHEN PAUL, US
[72] DIRICO, KENNETH JOHN, US
[72] DUSHIN, RUSSELL, US
[72] FILZEN, GARY FREDERICK, US
[72] PUTHENVEETIL, SUJIET, US
[72] STROP, PAVEL, US
[72] SUBRAMANYAM, CHAKRAPANI, US
[72] TUMEY, LAWRENCE N., US
[71] PFIZER INC., US
[85] 2019-07-19
[86] 2018-01-10 (PCT/IB2018/050153)
[87] (WO2018/138591)
[30] US (62/449,839) 2017-01-24

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[21] **3,051,040**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING IMMEDIATE RELEASE AND EXTENDED RELEASE CAPECITABINE**
[54] **COMPOSITION COMPRENANT DE LA CAPECITABINE A LIBERATION IMMEDIATE ET A LIBERATION PROLONGEE**
[72] GANDHI, KASHYAP, IN
[72] PATEL, PIYUSH, IN
[72] PATEL, MANISH, IN
[72] CHAUHAN, MANISH, IN
[72] SEHGAL, ASHISH, IN
[71] INTAS PHARMACEUTICALS LTD., IN
[85] 2019-07-19
[86] 2018-02-05 (PCT/IB2018/050703)
[87] (WO2018/142359)
[30] IN (201721004194) 2017-02-06

[21] **3,051,042**
[13] A1

[51] **Int.Cl. C02F 3/22 (2006.01) B01F 3/04 (2006.01) C02F 3/20 (2006.01)**
[25] EN
[54] **DEVICE FOR SEWAGE TREATMENT**
[54] **DISPOSITIF POUR LE TRAITEMENT DES EAUX USEES**
[72] SANNA, EDOARDO, IT
[72] SANNA, LUDOVICO, IT
[71] NOVIDEAS S.R.L., IT
[85] 2019-07-19
[86] 2018-02-07 (PCT/IB2018/050752)
[87] (WO2018/146597)
[30] IT (102017000013252) 2017-02-07

[21] **3,051,045**
[13] A1

[51] **Int.Cl. F24F 5/00 (2006.01) F24D 17/02 (2006.01) F24H 4/02 (2006.01) F25B 30/02 (2006.01)**
[25] EN
[54] **A SYSTEM FOR CONDITIONING AIR IN A LIVING SPACE**
[54] **SYSTEME DE CLIMATISATION DANS UN ESPACE DE VIE**
[72] GONZALEZ, DANIEL FERNANDEZ, NZ
[72] HAYNES, ANDREW LEO, NZ
[71] ZINNIA TEK LIMITED, NZ
[85] 2019-07-19
[86] 2018-02-27 (PCT/IB2018/051205)
[87] (WO2018/154534)
[30] NZ (729579) 2017-02-27

[21] **3,051,047**
[13] A1

[51] **Int.Cl. G03B 21/62 (2014.01) B32B 7/02 (2019.01) B32B 17/06 (2006.01) G02B 5/02 (2006.01) G03B 21/60 (2014.01)**
[25] FR
[54] **LAYERED ELEMENT MADE OF TRANSPARENT LAYERS PROVIDING DIRECTIONAL DIFFUSE REFLECTION**
[54] **ELEMENT EN COUCHES TRANSPARENT A REFLEXION DIFFUSE DIRECTIONNELLE**
[72] SCHIAVONI, MICHELE, FR
[72] OZANAM, CECILE, FR
[72] GAYOUT, PATRICK, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-07-19
[86] 2018-01-29 (PCT/FR2018/050192)
[87] (WO2018/142050)
[30] FR (1750796) 2017-01-31

[21] **3,051,048**
[13] A1

[51] **Int.Cl. B23K 9/23 (2006.01) B23K 9/04 (2006.01) B23K 20/00 (2006.01)**
[25] EN
[54] **WELDING METHOD OF DIFFUSION BONDED STRUCTURE**
[54] **PROCEDE DE SOUDAGE DE CORPS LIE PAR DIFFUSION**
[72] MASAKI, KUNITAKA, JP
[72] HARADA, RIE, JP
[72] HOSOYA, NAGISA, JP
[72] MATSUOKA, TAKA AKI, JP
[72] MIZO, YUTAKA, JP
[71] IHI CORPORATION, JP
[85] 2019-07-19
[86] 2018-01-18 (PCT/JP2018/001338)
[87] (WO2018/139327)
[30] JP (2017-010001) 2017-01-24

[21] **3,051,049**
[13] A1

[51] **Int.Cl. E21B 43/00 (2006.01) F16K 17/00 (2006.01) F16L 55/00 (2006.01)**
[25] EN
[54] **PRESSURE PROTECTION FOR AN OFFSHORE PLATFORM**
[54] **PROTECTION CONTRE LA PRESSION POUR UNE PLATE-FORME EN MER**
[72] NES, HROAR ANDREAS, NO
[72] BASEN, OLAV, NO
[72] JOHANSEN, ELI VATLAND, NO
[72] BERGERSEN, LARS, NO
[72] GREGERSEN, KIRSTIN HOSAAS, NO
[71] EQUINOR ENERGY AS, NO
[85] 2019-07-19
[86] 2018-01-26 (PCT/NO2018/050022)
[87] (WO2018/139938)
[30] GB (1701392.1) 2017-01-27

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[21] **3,051,050**
[13] A1

[51] **Int.Cl. B63B 21/50 (2006.01) B63B 27/00 (2006.01) B63B 35/44 (2006.01) E21B 43/01 (2006.01) E21B 43/36 (2006.01)**

[25] EN

[54] **OFFSHORE HYDROCARBON PROCESSING FACILITY AND METHOD OF OPERATION**

[54] **INSTALLATION DE TRAITEMENT D'HYDROCARBURES EN MER ET PROCEDE DE FONCTIONNEMENT**

[72] SAMUELSBERG, ARILD, NO

[72] EIDENSEN, BJORGULF HAUKELISATER, NO

[72] JOHNSEN, CECILIE GOTAAS, NO

[72] RAVNDAL, OLA, NO

[71] EQUINOR ENERGY AS, NO

[85] 2019-07-19

[86] 2018-01-26 (PCT/NO2018/050023)

[87] (WO2018/139939)

[30] NO (PCT/NO2017/050024) 2017-01-26

[21] **3,051,051**
[13] A1

[51] **Int.Cl. G01N 35/00 (2006.01) B01L 3/00 (2006.01) B01L 9/00 (2006.01) G01N 1/28 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PROCESSING TISSUES AND CELLS**

[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE TISSUS ET DE CELLULES**

[72] ZOBİ, AHMED, US

[72] STOVNER, JUSTIN, US

[72] SALAS, HUGO, US

[72] DUARTE, DAVID, US

[72] HAUN, JERED, US

[72] WIDGEROW, ALAN, US

[72] BANYARD, DEREK, US

[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2019-07-19

[86] 2017-06-07 (PCT/US2017/036429)

[87] (WO2017/214323)

[30] US (62/347,290) 2016-06-08

[21] **3,051,052**
[13] A1

[51] **Int.Cl. G21C 3/20 (2006.01)**

[25] EN

[54] **STEEL-VANADIUM ALLOY CLADDING FOR FUEL ELEMENT**

[54] **GAINAGE EN ALLIAGE D'ACIER-VANADIUM POUR ELEMENT COMBUSTIBLE**

[72] HACKETT, MICAH J., US

[72] VETTERICK, GREG A., US

[72] XU, CHENG, US

[71] TERRAPOWDER, LLC, US

[85] 2019-07-19

[86] 2017-06-14 (PCT/US2017/037512)

[87] (WO2018/147893)

[30] US (62/458,377) 2017-02-13

[21] **3,051,053**
[13] A1

[51] **Int.Cl. A63F 13/69 (2014.01) A63F 13/327 (2014.01) A63F 13/822 (2014.01)**

[25] EN

[54] **PHYSICAL ELEMENT LINKED COMPUTER GAMING METHODS AND SYSTEMS**

[54] **PROCEDES ET SYSTEMES DE JEU INFORMATIQUE LIE A UN ELEMENT PHYSIQUE**

[72] MORRISON, CORY WILLIAM, CA

[72] MORRISON, RICHARD THOMAS, CA

[72] AMADOR, RODRIGO ALCIDES, CA

[71] 2271240 ONTARIO INC., CA

[71] 2525168 ONTARIO INC., CA

[85] 2019-07-26

[86] 2017-03-22 (PCT/CA2017/000065)

[87] (WO2017/161440)

[30] US (62/311,527) 2016-03-22

[21] **3,051,054**
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/438 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**

[25] EN

[54] **PYRIDINE COMPOUNDS AS ALLOSTERIC SHP2 INHIBITORS**

[54] **COMPOSES DE PYRIDINE UTILISES EN TANT QU'INHIBITEURS ALLOSTERIQUES DE SHP2**

[72] GILL, ADRIAN, US

[72] AAY, NAING, US

[72] MELLEM, KEVIN, US

[72] BUCKL, ANDREAS, US

[72] KOLTUN, ELENA S., US

[72] SEMKO, CHRISTOPHER, US

[72] KISS, GERT, US

[71] REVOLUTION MEDICINES, INC., US

[85] 2019-07-19

[86] 2018-01-09 (PCT/US2018/013018)

[87] (WO2018/136264)

[30] US (62/449,529) 2017-01-23

[21] **3,051,055**
[13] A1

[51] **Int.Cl. A61L 27/54 (2006.01) A61L 27/14 (2006.01) A61L 27/56 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR TREATING A SITE OF A MEDICAL IMPLANT**

[54] **PROCEDES ET SYSTEMES DE TRAITEMENT D'UN SITE D'IMPLANT MEDICAL**

[72] WEAVER, WESTBROOK, US

[72] DESHAYES, STEPHANIE, US

[72] TIMKO, SAMUEL, US

[71] TEMPO THERAPEUTICS, INC., US

[85] 2019-07-19

[86] 2017-12-22 (PCT/US2017/068243)

[87] (WO2018/136205)

[30] US (62/440,370) 2016-12-29

[21] **3,051,056**
[13] A1

[51] **Int.Cl. B62D 55/253 (2006.01)**

[25] EN

[54] **ELASTIC CRAWLER**

[54] **CHENILLE ELASTIQUE**

[72] MIZUSAWA, TAKASHI, JP

[72] NAGAMOTO, SHOKO, JP

[71] BRIDGESTONE CORPORATION, JP

[85] 2019-07-19

[86] 2018-01-18 (PCT/JP2018/001419)

[87] (WO2018/135589)

[30] JP (2017-008925) 2017-01-20

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[21] **3,051,057**
[13] A1

[51] **Int.Cl. A61M 5/36 (2006.01) A61M 5/142 (2006.01) A61M 5/38 (2006.01)**

[25] EN

[54] **AMBULATORY INFUSION DEVICES AND FILTER ASSEMBLIES FOR USE WITH SAME**

[54] **DISPOSITIFS DE PERFUSION AMBULATOIRES ET ENSEMBLES FILTRES A UTILISER AVEC CEUX-CI**

[72] MONTALVO MCCONNELL, SUSAN, US

[72] BYERS, CHARLES L., US

[72] MONTALVO, RUDOLPH A., US

[72] STOTT, MILTON, US

[72] YAP, DARREN Y.K., US

[71] MEDALLION THERAPEUTICS, INC., US

[85] 2019-07-19

[86] 2017-11-27 (PCT/US2017/063308)

[87] (WO2018/144108)

[30] US (62/452,637) 2017-01-31

[21] **3,051,058**
[13] A1

[51] **Int.Cl. B41F 11/02 (2006.01) B41F 15/08 (2006.01) B41F 19/00 (2006.01) B41F 19/02 (2006.01)**

[25] EN

[54] **PRINTING PRESS WITH IN-LINE CASTING DEVICE FOR THE REPLICATION AND FORMATION OF A MICRO-OPTICAL STRUCTURE**

[54] **PRESSE A IMPRIMER AVEC DISPOSITIF DE COULEE EN LIGNE POUR LA REPLICATION ET LA FORMATION D'UNE STRUCTURE MICRO-OPTIQUE**

[72] STIERMAN, ROB, NL

[72] DIMITRIJEVIC, ANA, CH

[72] PALME, MARTIN, DE

[72] KERSTEN, THOMAS, CH

[72] BERTHON, AURELIE, CH

[72] GODFREY, JOHN, GB

[72] WHITEMAN, ROBERT, GB

[72] COMMANDER, LAWRENCE, GB

[71] KBA-NOTASYS SA, CH

[71] DE LA RUE INTERNATIONAL LIMITED, GB

[85] 2019-07-19

[86] 2018-02-20 (PCT/EP2018/054104)

[87] (WO2018/153840)

[30] EP (17157503.8) 2017-02-22

[30] EP (17167792.5) 2017-04-24

[21] **3,051,059**
[13] A1

[51] **Int.Cl. H04N 19/115 (2014.01) H04N 19/154 (2014.01) H04N 19/179 (2014.01) H04N 19/192 (2014.01)**

[25] EN

[54] **VIDEO CHARACTERIZATION FOR SMART ENCODING BASED ON PERCEPTUAL QUALITY OPTIMIZATION**

[54] **CARACTERISATION VIDEO POUR CODAGE INTELLIGENT SUR LA BASE D'UNE OPTIMISATION DE QUALITE PERCEPTUELLE**

[72] KOTTKE, DANE P., US

[72] CORNOG, KATHERINE H., US

[72] GUO, JOHN, J., US

[72] TUN, MYO, US

[72] LEE, NIGEL, US

[72] LEE, JEYUN, US

[71] EUCLID DISCOVERIES, LLC, US

[85] 2019-07-19

[86] 2017-12-19 (PCT/US2017/067413)

[87] (WO2018/140158)

[30] US (62/452,265) 2017-01-30

[21] **3,051,060**
[13] A1

[51] **Int.Cl. G06F 3/00 (2006.01) G06T 19/00 (2011.01) G06T 11/00 (2006.01)**

[25] EN

[54] **AUTOMATIC CONTROL OF WEARABLE DISPLAY DEVICE BASED ON EXTERNAL CONDITIONS**

[54] **COMMANDE AUTOMATIQUE D'UN DISPOSITIF D'AFFICHAGE POUVANT ETRE PORTE SUR LA BASE DE CONDITIONS EXTERNES**

[72] POWDERLY, JAMES M., US

[72] NILES, SAVANNAH, US

[72] SAMEC, NICOLE ELIZABETH, US

[72] AMIRHOOSHMAND, ALI, US

[72] ROBAINA, NASTASJA U., US

[72] HARRISES, CHRISTOPHER M., US

[72] BAERENRODT, MARK, US

[72] CINTRON, CARLOS A. RIVERA, US

[72] SMITH, BRIAN KEITH, US

[71] MAGIC LEAP, INC., US

[85] 2019-06-26

[86] 2017-11-17 (PCT/US2017/062365)

[87] (WO2018/125428)

[30] US (62/440,099) 2016-12-29

[21] **3,051,062**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**

[25] EN

[54] **TANDEM DIABODY FOR CD16A-DIRECTED NK-CELL ENGAGEMENT**

[54] **DI-ANTICORPS EN TANDEM POUR LA MISE EN CONTACT DE CELLULES NK DIRIGÉES PAR CD16A**

[72] ROSS, THORSTEN, DE

[72] FUCEK, IVICA, DE

[72] ELLWANGER, KRISTINA, DE

[72] WEICHEL, MICHAEL, DE

[72] REUSCH, UWE, DE

[72] KNACKMUSS, STEFAN, DE

[72] RAJKOVIC, ERICH, DE

[72] TREDER, MARTIN, DE

[71] AFFIMED GMBH, DE

[85] 2019-07-19

[86] 2018-02-28 (PCT/EP2018/054989)

[87] (WO2018/158349)

[30] EP (17158566.4) 2017-02-28

[30] EP (17174407.1) 2017-06-02

[21] **3,051,063**
[13] A1

[51] **Int.Cl. H02J 3/00 (2006.01) G06Q 50/06 (2012.01) H02J 9/00 (2006.01) H02J 13/00 (2006.01) H02J 15/00 (2006.01)**

[25] EN

[54] **POWER CONTROL DEVICE**

[54] **DISPOSITIF DE COMMANDE DE PUISSANCE**

[72] JASMIN, SIMON, CA

[71] SYSTEMEX-ENERGIES INC., CA

[85] 2019-06-27

[86] 2018-02-15 (PCT/CA2018/050174)

[87] (WO2018/148835)

[30] US (62/459,544) 2017-02-15

[21] **3,051,065**
[13] A1

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

[25] EN

[54] **DATA PROCESSING METHOD AND DEVICE**

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

[72] QIU, HONGLIN, CN

[71] ALIBABA GROUP HOLDING LIMITED, KY

[85] 2019-07-11

[86] 2018-02-07 (PCT/CN2018/075571)

[87] (WO2018/149345)

[30] CN (201710085752.6) 2017-02-17

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[21] **3,051,067**
[13] A1

[51] **Int.Cl. C08K 3/013 (2018.01) A01K 11/00 (2006.01) B41M 5/26 (2006.01) C08K 3/22 (2006.01) C08K 3/34 (2006.01)**

[25] EN

[54] **ANTIMONY FREE COMPOSITION FOR LASER MARKING THERMOPLASTIC COMPOUNDS**

[54] **COMPOSITION EXEMPTÉ D'ANTIMOINE POUR MARQUAGE LASER DE COMPOSES THERMOPLASTIQUES**

[72] WOLF, JUERGEN, DE

[72] PANG, CHUN YIP, DE

[71] CLARIANT PLASTICS & COATINGS LTD, CH

[85] 2019-07-16

[86] 2018-02-20 (PCT/EP2018/054058)

[87] (WO2018/150033)

[30] EP (17156822.3) 2017-02-20

[21] **3,051,068**
[13] A1

[51] **Int.Cl. B26B 21/56 (2006.01) B26B 21/60 (2006.01)**

[25] EN

[54] **RAZOR BLADE**

[54] **LAME DE RASOIR**

[72] KONTOKOSTAS, LABROS, GR

[72] PAPATRIANTAFYLLOU, IOANNIS, GR

[72] TERLILIS, TAXIARCHIS, GR

[72] SIOZIOS, ANASTASIOS, GR

[72] MAVROEIDIS, KONSTANTINOS, GR

[71] BIC-VIOLEX SA, GR

[85] 2019-07-19

[86] 2018-03-05 (PCT/EP2018/055382)

[87] (WO2018/162431)

[30] EP (17159915.2) 2017-03-08

[21] **3,051,070**
[13] A1

[51] **Int.Cl. B62D 55/253 (2006.01) B29C 43/48 (2006.01) B29D 29/00 (2006.01)**

[25] EN

[54] **RUBBER CRAWLER, RUBBER CRAWLER MOLD, AND METHOD OF PRODUCING RUBBER CRAWLER**

[54] **CHENILLE EN CAOUTCHOUC, MATRICE DE MOULAGE DE CHENILLE EN CAOUTCHOUC ET PROCEDE DE PRODUCTION D'UNE CHENILLE EN CAOUTCHOUC**

[72] MIZUSAWA, TAKASHI, JP

[72] NAGAMOTO, SHOKO, JP

[71] BRIDGESTONE CORPORATION, JP

[85] 2019-07-19

[86] 2018-01-19 (PCT/JP2018/001661)

[87] (WO2018/135643)

[30] JP (2017-008914) 2017-01-20

[21] **3,051,071**
[13] A1

[51] **Int.Cl. B62D 55/253 (2006.01)**

[25] EN

[54] **RUBBER CRAWLER**

[54] **CHENILLE EN CAOUTCHOUC**

[72] MIZUSAWA, TAKASHI, JP

[72] NAGAMOTO, SHOKO, JP

[71] BRIDGESTONE CORPORATION, JP

[85] 2019-07-19

[86] 2018-01-19 (PCT/JP2018/001662)

[87] (WO2018/135644)

[30] JP (2017-008926) 2017-01-20

[21] **3,051,072**
[13] A1

[51] **Int.Cl. H01F 1/44 (2006.01) B03B 5/44 (2006.01) B03B 9/06 (2006.01)**

[25] EN

[54] **FERRITE SOLIDS FOR A HEAVY LIQUID SUSPENSION, METHOD OF PREPARATION THEREOF AND USE OF FERRITE AS HEAVY LIQUID SOLIDS**

[54] **SOLIDES DE FERRITE POUR UNE SUSPENSION DE LIQUIDE LOURD, PROCEDE DE PREPARATION DE CEUX-CI ET UTILISATION DE FERRITE SOUS LA FORME DE SOLIDES POUR LIQUIDE LOURD**

[72] MIKOLAJCZYK, PIOTR, PL

[72] FOSZCZ, DARIUSZ, PL

[72] GAWENDA, TOMASZ, PL

[72] KRAWCZYKOWSKI, DAMIAN, PL

[72] KRAWCZYKOWSKA, ALDONA, PL

[72] KEPYS, WALDEMAR, PL

[71] ECOBACK SP Z O.O., PL

[71] AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA, PL

[85] 2019-06-27

[86] 2017-12-29 (PCT/IB2017/058527)

[87] (WO2018/122799)

[30] PL (PL420048) 2016-12-30

[21] **3,051,073**
[13] A1

[51] **Int.Cl. B29B 11/16 (2006.01)**

[25] EN

[54] **PREFORM ELEMENT, PREFORM USING SAME, AND METHOD FOR PRODUCING SAME**

[54] **ELEMENT DE PREFORME, PREFORME UTILISANT CELUI-CI ET SON PROCEDE DE PRODUCTION**

[72] TSUMURA, YUSUKE, JP

[72] HASHIMOTO, MASAHIRO, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2019-07-19

[86] 2018-02-07 (PCT/JP2018/004206)

[87] (WO2018/147324)

[30] JP (2017-021926) 2017-02-09

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[21] **3,051,074**
[13] A1

[51] **Int.Cl. B29B 11/16 (2006.01) B29C 43/34 (2006.01)**
[25] EN
[54] **FIBER REINFORCED RESIN SHEET**
[54] **FEUILLE DE RESINE RENFORCEE PAR DES FIBRES**
[72] HASHIMOTO, MASAHIRO, JP
[72] YAMASAKI, MASA AKI, JP
[72] TSUMURA, YUSUKE, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2019-07-19
[86] 2018-02-07 (PCT/JP2018/004229)
[87] (WO2018/147331)
[30] JP (2017-021927) 2017-02-09

[21] **3,051,076**
[13] A1

[51] **Int.Cl. A01G 9/14 (2006.01) A01G 9/24 (2006.01) A01G 31/00 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FARMING**
[54] **SYSTEME ET PROCEDE D'AGRICULTURE**
[72] CHONG, SUK SHIEN, SG
[71] GREENPHYTO PTE. LTD., SG
[85] 2019-07-19
[86] 2018-01-19 (PCT/SG2018/050032)
[87] (WO2018/136007)
[30] SG (10201700512T) 2017-01-20

[21] **3,051,093**
[13] A1

[51] **Int.Cl. G01N 24/08 (2006.01) G01R 33/30 (2006.01)**
[25] EN
[54] **HIGH SPATIAL RESOLUTION NUCLEAR MAGNETIC RESONANCE OF LONG WHOLE CORE ROCK SAMPLES USING SPATIAL SENSITIVITY PROFILE OF A SHORT RF COIL**
[54] **RESONANCE MAGNETIQUE NUCLEAIRE A HAUTE RESOLUTION SPATIALE POUR DES ECHANTILLONS DE ROCHES SOUS FORME DE LONGUES CAROTTES AU MOYEN D'UN PROFIL DE SENSIBILITE SPATIALE D'UNE BOBINE RF COURTE**
[72] CHEN, JIN-HONG, US
[72] ALTHAUS, STACEY M., US
[72] DELSHAD, MOHAMMAD, US
[72] ZHAO, YANG, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-07-19
[86] 2018-01-19 (PCT/US2018/014481)
[87] (WO2018/140319)
[30] US (62/451,262) 2017-01-27
[30] US (62/531,038) 2017-07-11

[21] **3,051,094**
[13] A1

[51] **Int.Cl. A61F 2/20 (2006.01) A61M 16/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE TRACHEOSTOMA VALVE**
[54] **VALVE DE TRACHEOSTOMIE REGLABLE**
[72] KAMRADT, BRIAN, US
[71] KAMRADT, BRIAN, US
[85] 2019-07-19
[86] 2018-01-22 (PCT/US2018/014683)
[87] (WO2018/140351)
[30] US (62/499,397) 2017-01-25
[30] US (15/674,946) 2017-08-11

[21] **3,051,095**
[13] A1

[51] **Int.Cl. A61B 5/04 (2006.01)**
[25] EN
[54] **APPARATUS, METHODS, AND SYSTEMS FOR USING IMAGINED DIRECTION TO DEFINE ACTIONS, FUNCTIONS, OR EXECUTION**
[54] **APPAREIL, PROCEDES ET SYSTEMES POUR UTILISER UNE DIRECTION IMAGINEE AFIN DE DEFINIR DES ACTIONS, DES FONCTIONS OU UNE EXECUTION**
[72] SEGAL, DAVID, LEE, US
[71] NAQI LOGICS, LLC, US
[85] 2019-07-19
[86] 2018-01-22 (PCT/US2018/014736)
[87] (WO2018/136893)
[30] US (62/449,158) 2017-01-23

[21] **3,051,096**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **TASK MANAGEMENT IN RETAIL ENVIRONMENT**
[54] **GESTION DE TACHES DANS UN ENVIRONNEMENT DE VENTE AU DETAIL**
[72] CANTRELL, ROBERT, US
[72] HIGH, DONALD R., US
[72] NATARAJAN, CHANDRASHEKAR, US
[71] WALMART APOLLO, LLC, US
[85] 2019-07-19
[86] 2018-01-26 (PCT/US2018/015346)
[87] (WO2018/148031)
[30] US (62/456,420) 2017-02-08

[21] **3,051,097**
[13] A1

[51] **Int.Cl. A01G 9/24 (2006.01) G05B 19/418 (2006.01) A01G 9/14 (2006.01) A01G 31/00 (2018.01)**
[25] EN
[54] **FARMING MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION AGRICOLE**
[72] CHONG, SUK SHIEN, SG
[71] GREENPHYTO PTE. LTD., SG
[85] 2019-07-19
[86] 2018-01-19 (PCT/SG2018/050033)
[87] (WO2018/136008)
[30] SG (10201700512T) 2017-01-20

PCT Applications Entering the National Phase

[21] **3,051,098**
[13] A1

[51] **Int.Cl. G05D 16/20 (2006.01) F01D 21/00 (2006.01) F01D 21/14 (2006.01) F02C 7/22 (2006.01) F02C 7/232 (2006.01) F02C 9/46 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS TO CONTROL THE ACTUATION OF REGULATORS INCLUDING A LOADING CHAMBER**

[54] **PROCEDES ET APPAREIL DE COMMANDE DE L'ACTIONNEMENT DE REGULATEURS COMPRENANT UNE CHAMBRE DE CHARGEMENT**

[72] MASIAS, JUSTIN L., US

[72] BURKE, WILLIAM KEVIN, US

[72] ANDERSON, PAUL RICHARD, US

[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US

[85] 2019-07-19

[86] 2018-01-10 (PCT/US2018/013103)

[87] (WO2018/136272)

[30] US (15/411,452) 2017-01-20

[21] **3,051,099**
[13] A1

[51] **Int.Cl. A61F 2/40 (2006.01) A61B 17/86 (2006.01) A61F 2/30 (2006.01)**

[25] EN

[54] **MODULAR AUGMENT COMPONENT**

[54] **COMPOSANT D'AUGMENTATION MODULAIRE**

[72] KEHRES, CLINTON E., US

[71] BIOMET MANUFACTURING, LLC, US

[85] 2019-07-19

[86] 2018-01-16 (PCT/US2018/013795)

[87] (WO2018/136393)

[30] US (62/448,547) 2017-01-20

[21] **3,051,100**
[13] A1

[51] **Int.Cl. E04C 2/00 (2006.01)**

[25] EN

[54] **FOLDABLE MODULAR WALL SYSTEMS**

[54] **SYSTEMES DE PAROIS MODULAIRES PLIABLES**

[72] GOSLING, GEOFF, CA

[71] DIRTT ENVIRONMENTAL SOLUTIONS INC., US

[85] 2019-07-19

[86] 2018-02-02 (PCT/US2018/016724)

[87] (WO2018/144932)

[30] US (62/454,554) 2017-02-03

[21] **3,051,101**
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR OPTIMIZING THE LOADING OF MERCHANDISE AT MERCHANDISE DISTRIBUTION CENTERS**

[54] **SYSTEMES ET PROCEDES D'OPTIMISATION DU CHARGEMENT DE MARCHANDISES AU NIVEAU DE CENTRES DE DISTRIBUTION DE MARCHANDISES**

[72] PUTCHA, SAI PHANEENDRA SRI HARSHA VISWANATH, US

[72] LEE, RYAN, US

[71] WALMART APOLLO, LLC, US

[85] 2019-07-19

[86] 2018-01-16 (PCT/US2018/013796)

[87] (WO2018/136394)

[30] US (62/447,969) 2017-01-19

[21] **3,051,102**
[13] A1

[51] **Int.Cl. G01C 11/00 (2006.01) G01B 11/22 (2006.01) G01S 17/10 (2006.01) G01S 17/89 (2006.01)**

[25] EN

[54] **METHOD FOR EPIPOLAR TIME OF FLIGHT IMAGING**

[54] **PROCEDE D'IMAGERIE DE TEMPS DE VOL EPIPOLAIRE**

[72] NARASIMHAN, SRINIVASA, US

[72] ACHAR, SUPREETH, US

[72] KUTULAKOS, KIRIAKOS, US

[72] BARTELS, JOE, US

[72] WHITTAKER, WILLIAM, US

[71] CARNEGIE MELLON UNIVERSITY, US

[85] 2019-07-19

[86] 2018-01-19 (PCT/US2018/014369)

[87] (WO2018/136709)

[30] US (62/499,193) 2017-01-20

[21] **3,051,103**
[13] A1

[51] **Int.Cl. B26B 21/56 (2006.01) B26B 21/60 (2006.01)**

[25] EN

[54] **RAZOR BLADE**

[54] **LAME DE RASOIR**

[72] KONTOKOSTAS, LABROS, GR

[72] PAPTIRIANTAFYLLOU, IOANNIS, GR

[72] TERLILIS, TAXIARCHIS, GR

[72] SIOZIOS, ANASTASIOS, GR

[72] MAVROEIDIS, KONSTANTINOS, GR

[71] BIC-VIOLEX SA, GR

[85] 2019-07-19

[86] 2018-03-05 (PCT/EP2018/055383)

[87] (WO2018/162432)

[30] EP (17159912.9) 2017-03-08

Demandes PCT entrant en phase nationale

[21] **3,051,104**
[13] A1

[51] **Int.Cl. G02B 1/11 (2015.01) G03F 1/46 (2012.01) G02B 1/10 (2015.01) G02B 5/18 (2006.01)**

[25] EN

[54] **ANTIREFLECTION COATINGS FOR METASURFACES**

[54] **REVETEMENTS ANTIREFLET POUR META-SURFACES**

[72] LIN, DIANMIN, US

[72] KLUG, MICHAEL ANTHONY, US

[72] ST. HILAIRE, PIERRE, US

[72] MELLI, MAURO, US

[72] PEROZ, CHRISTOPHE, US

[72] POLIAKOV, EVGENI, US

[71] MAGIC LEAP, INC., US

[85] 2019-07-19

[86] 2018-01-24 (PCT/US2018/015057)

[87] (WO2018/140502)

[30] US (62/451,587) 2017-01-27

[21] **3,051,106**
[13] A1

[51] **Int.Cl. C11D 1/72 (2006.01) C11D 11/00 (2006.01)**

[25] EN

[54] **CLEANING COMPOSITIONS AND METHODS FOR CLEANING ENGINE COOLING SYSTEMS**

[54] **COMPOSITIONS DE NETTOYAGE ET PROCEDES DE NETTOYAGE POUR SYSTEMES DE REFROIDISSEMENT DE MOTEUR**

[72] MATHEWS, JOSEPH K., US

[72] BALOG, DAVID L., US

[72] KALAGHER, THOMAS G., US

[72] WOYCIESJES, PETER M., US

[71] PRESTONE PRODUCTS CORPORATION, US

[85] 2019-07-19

[86] 2018-01-19 (PCT/US2018/014452)

[87] (WO2018/136756)

[30] US (62/448,742) 2017-01-20

[21] **3,051,110**
[13] A1

[51] **Int.Cl. A61B 90/00 (2016.01) A61B 17/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MECHANICAL DISPLACEMENT OF AN ESOPHAGUS**

[54] **SYSTEMES ET PROCEDES DE DEPLACEMENT MECANIQUE D'UN ESOPHAGE**

[72] OZA, VEERAL M., US

[72] HENSEL, ADAM, US

[72] DAOUD, EMILE, US

[72] MEHTA, NISHAKI, US

[71] OHIO STATE INNOVATION FOUNDATION, US

[85] 2019-07-19

[86] 2018-01-19 (PCT/US2018/014467)

[87] (WO2018/136768)

[30] US (62/448,139) 2017-01-19

[21] **3,051,105**
[13] A1

[51] **Int.Cl. A61H 3/00 (2006.01) A61F 2/68 (2006.01) B25J 9/14 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR USER INTENT RECOGNITION**

[54] **SYSTEME ET PROCEDE DE RECONNAISSANCE DE L'INTENTION D'UN UTILISATEUR**

[72] SWIFT, TIM, US

[72] COX, NICOLAS, US

[72] KEMPER, KEVIN, US

[71] ROAM ROBOTICS INC., US

[85] 2019-07-19

[86] 2018-02-02 (PCT/US2018/016729)

[87] (WO2018/144937)

[30] US (62/454,575) 2017-02-03

[30] US (62/485,284) 2017-04-13

[21] **3,051,107**
[13] A1

[51] **Int.Cl. G01F 1/32 (2006.01) G01F 5/00 (2006.01)**

[25] EN

[54] **INSERT VORTEX FLOWMETER ELEMENT**

[54] **ELEMENT DE DEBITMETRE A VORTEX A INSERER**

[72] NICE, RYAN, US

[72] NICE, GERALD, US

[71] BADGER METER, INC., US

[85] 2019-07-19

[86] 2018-01-25 (PCT/US2018/015142)

[87] (WO2018/140550)

[30] US (15/418,400) 2017-01-27

[21] **3,051,111**
[13] A1

[51] **Int.Cl. B66B 5/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR MONITORING OPERATING PARAMETERS IN A PASSENGER TRANSPORT INSTALLATION**

[54] **PROCEDE ET DISPOSITIF POUR SURVEILLER DES PARAMETRES DE FONCTIONNEMENT DANS UNE INSTALLATION DE TRANSPORT DE PERSONNES**

[72] KUSSEROW, MARTIN, CH

[72] TSCHUPPERT, RETO, CH

[71] INVENTIO AG, CH

[85] 2019-07-19

[86] 2018-03-13 (PCT/EP2018/056130)

[87] (WO2018/166994)

[30] EP (17161196.5) 2017-03-15

[21] **3,051,108**
[13] A1

[51] **Int.Cl. B65F 1/14 (2006.01)**

[25] EN

[54] **FLEXIBLE PAIL**

[54] **SEAU SOUPLE**

[72] LEE, AGNES YENA, US

[72] CHAN, SUNG YUN, US

[72] JOHNSON, KEVIN DOUGLAS, US

[72] SAXTON, MATTHEW JOSEPH, US

[71] MUNCHKIN, INC., US

[85] 2019-07-22

[86] 2018-12-12 (PCT/US2018/065249)

[87] (WO2019/118626)

[30] US (62/597,782) 2017-12-12

[30] US (62/628,771) 2018-02-09

[30] US (62/688,795) 2018-06-22

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[21] **3,051,112**
[13] A1

[51] **Int.Cl. C08J 3/03 (2006.01) B01J 2/30 (2006.01) C08J 3/12 (2006.01) C08J 3/16 (2006.01) C08J 3/205 (2006.01)**

[25] EN

[54] **PROCESS FOR FORMING A POWDER**

[54] **APPAREIL POUR FORMER UNE POUDRE**

[72] GORIN, CRAIG F., US

[72] BISWAS, SANJIB, US

[72] SEKHARAN, MANESH NADUPPARAMBIL, US

[72] TOMCZAK, THOMAS L., US

[72] MOGLIA, ROBERT S., US

[72] DERMODY, DANIEL L., US

[72] SINGH, HARPREET, US

[72] MCCULLOCH, BRYAN L., US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[71] ROHM AND HAAS COMPANY, US

[85] 2019-07-22

[86] 2018-10-22 (PCT/US2018/056849)

[87] (WO2019/083877)

[30] US (62/576,863) 2017-10-25

[21] **3,051,113**
[13] A1

[51] **Int.Cl. A01N 63/00 (2006.01) A61K 35/17 (2015.01) A61K 35/00 (2006.01) A61K 35/28 (2015.01) A61K 38/00 (2006.01) A61K 38/37 (2006.01)**

[25] EN

[54] **B-CELL ENGINEERING**

[54] **INGENIERIE DE CELLULES B**

[72] AMORA, RAINIER, US

[72] HOLMES, MICHAEL C., US

[72] RILEY, BRIGIT E., US

[71] SANGAMO THERAPEUTICS, INC., US

[85] 2019-07-19

[86] 2018-01-25 (PCT/US2018/015180)

[87] (WO2018/140573)

[30] US (62/450,917) 2017-01-26

[21] **3,051,115**
[13] A1

[51] **Int.Cl. B60H 1/22 (2006.01) F24H 9/18 (2006.01)**

[25] EN

[54] **FLEXIBLE HELICAL HEATER**

[54] **DISPOSITIF DE CHAUFFAGE HELICOIDAL FLEXIBLE**

[72] OBERLE, DANIEL, US

[72] BEYKE, GREGORY L., US

[72] O'BRIEN, COLLIN, US

[72] SEEMAN, JACOB, US

[72] CROWNOVER, EMILY, US

[71] TRS GROUP, INC., US

[85] 2019-07-19

[86] 2018-01-19 (PCT/US2018/014472)

[87] (WO2019/143355)

[21] **3,051,116**
[13] A1

[51] **Int.Cl. G06T 3/00 (2006.01) G06T 17/05 (2011.01)**

[25] EN

[54] **MOTION IMAGERY CORNER POINT SEQUENCER**

[54] **SEQUEUR DE POINTS D'ANGLE D'IMAGERIE DE MOUVEMENT**

[72] GRINDSTAFF, GENE ARTHUR, US

[71] INTERGRAPH CORPORATION, US

[85] 2019-07-22

[86] 2018-03-14 (PCT/US2018/022302)

[87] (WO2018/175165)

[30] US (15/466,993) 2017-03-23

[21] **3,051,117**
[13] A1

[51] **Int.Cl. A61C 9/00 (2006.01) A61C 7/14 (2006.01) A61C 13/15 (2006.01) A61C 19/06 (2006.01)**

[25] EN

[54] **LIGHT CURING DENTAL SYSTEM**

[54] **SYSTEME DENTAIRE A PHOTODURCISSEMENT**

[72] PIERSON, PAUL, US

[72] KARAZIVAN, NAIM, US

[72] ANGELETAKIS, CHRISTOS, US

[72] GAIDOS, DUSTIN, US

[72] SILVERMAN, LEONID, US

[72] HUO, XIN, US

[71] DENTSPLY SIRONA INC., US

[85] 2019-07-19

[86] 2018-01-25 (PCT/US2018/015189)

[87] (WO2018/140577)

[30] US (62/450,211) 2017-01-25

[21] **3,051,119**
[13] A1

[51] **Int.Cl. A47K 3/40 (2006.01)**

[25] EN

[54] **INCLINED CERAMIC SHOWER TILE**

[54] **CARREAU DE DOUCHE EN CERAMIQUE INCLINE**

[72] BABA, ECE CEYLAN, TR

[71] SERANIT GRANIT SERAMIK SANAYI VE TICARET ANONIM SIRKETI, TR

[85] 2019-07-19

[86] 2017-12-26 (PCT/TR2017/050700)

[87] (WO2019/022685)

[30] TR (2017/00918) 2017-01-20

[21] **3,051,121**
[13] A1

[51] **Int.Cl. A01C 5/04 (2006.01) A01C 5/06 (2006.01)**

[25] EN

[54] **SEED FIRMER**

[54] **DISPOSITIF DE TASSEMENT DE GRAINES**

[72] MCMAHON, BRIAN, US

[72] SWANSON, TODD, US

[72] STRNAD, MICHAEL, US

[71] PRECISION PLANTING LLC, US

[85] 2019-07-22

[86] 2018-03-01 (PCT/US2018/020452)

[87] (WO2018/160834)

[30] US (62/465,646) 2017-03-01

[21] **3,051,122**
[13] A1

[51] **Int.Cl. C12N 7/00 (2006.01) C12Q 1/70 (2006.01)**

[25] EN

[54] **INHIBITION OF ENDOGENOUS REVERSE TRANSCRIPTASE AND TARGETING OF CELLS FOR PROPHYLAXIS AND THERAPY OF CANCER AND AGING**

[54] **INHIBITION DE TRANSCRIPTASE INVERSE ENDOGENE ET CIBLAGE DE CELLULES POUR UNE PROPHYLAXIE ET UNE THERAPIE ANTI-CANCEREUSE ET ANTI-VIEILLISSEMENT**

[72] GUDKOV, ANDREI, US

[72] LEONOVA, KATERINA, US

[71] HEALTH RESEARCH, INC., US

[85] 2019-07-19

[86] 2018-01-23 (PCT/US2018/014806)

[87] (WO2018/136920)

[30] US (62/449,380) 2017-01-23

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[21] **3,051,124**
[13] A1

[51] **Int.Cl. E21F 15/00 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **TREATMENT OF AQUEOUS COMPOSITIONS INCLUDING FINES**
[54] **TRAITEMENT DE COMPOSITIONS AQUEUSES COMPRENANT DES FINES**
[72] PAINTER, PAUL C., US
[72] MILLER, BRUCE G., US
[72] LUPINSKY, ARON, US
[71] EXTRAKT PROCESS SOLUTIONS, LLC, US
[85] 2019-07-19
[86] 2018-01-26 (PCT/US2018/015423)
[87] (WO2018/144336)
[30] US (62/452,784) 2017-01-31
[30] US (62/535,398) 2017-07-21
[30] US (62/554,220) 2017-09-05
[30] US (62/583,360) 2017-11-08

[21] **3,051,125**
[13] A1

[51] **Int.Cl. H04L 12/717 (2013.01) G06F 12/0868 (2016.01)**
[25] EN
[54] **INTERMEDIARY DEVICE FOR DATA MESSAGE NETWORK ROUTING AND ENHANCEMENT IN A CONTACT CENTER ENVIRONMENT**
[54] **DISPOSITIF INTERMEDIAIRE POUR ACHEMINEMENT ET AMELIORATION DE RESEAU DE MESSAGES DE DONNEES DANS UN ENVIRONNEMENT DE CENTRE DE CONTACT**
[72] MCCARTHY-HOWE, THOMAS SPENCER, US
[72] BRANDT, GARY GEORGE, US
[71] TEN DIGIT COMMUNICATIONS LLC, US
[85] 2019-07-22
[86] 2017-01-20 (PCT/US2017/014385)
[87] (WO2017/136166)
[30] US (62/291,049) 2016-02-04

[21] **3,051,126**
[13] A1

[51] **Int.Cl. A61B 17/03 (2006.01)**
[25] EN
[54] **BLOOD VESSEL ACCESS AND CLOSURE DEVICES AND RELATED METHODS OF USE**
[54] **DISPOSITIFS D'ACCES ET DE FERMETURE DE VAISSEAU SANGUIN ET PROCEDES D'UTILISATION ASSOCIES**
[72] VIDLUND, ROBERT, US
[71] RMVIDLUND LLC, US
[85] 2019-07-19
[86] 2018-01-23 (PCT/US2018/014766)
[87] (WO2018/140371)
[30] US (62/450,257) 2017-01-25
[30] US (62/525,839) 2017-06-28

[21] **3,051,127**
[13] A1

[51] **Int.Cl. H04L 5/14 (2006.01) H04L 1/18 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **SIGNALING FOR MULTIPLEXING OF LOW LATENCY COMMUNICATION AND SIDELINK COMMUNICATIONS**
[54] **SIGNALISATION POUR LE MULTIPLEXAGE DE COMMUNICATIONS A FAIBLE LATENCE ET COMMUNICATIONS DE LIAISON LATERALE**
[72] LI, CHONG, US
[72] GUPTA, PIYUSH, US
[72] LI, JUNYI, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-07-22
[86] 2018-02-17 (PCT/US2018/018560)
[87] (WO2018/160372)
[30] US (62/466,839) 2017-03-03
[30] US (62/469,416) 2017-03-09
[30] US (15/711,751) 2017-09-21

[21] **3,051,129**
[13] A1

[51] **Int.Cl. A01K 11/00 (2006.01)**
[25] EN
[54] **ANIMAL EAR TAG HAVING A SPIKE**
[54] **ETIQUETTE D'OREILLE POUR ANIMAUX COMPORTANT UNE TIGE**
[72] AUER, WOLFGANG, AT
[71] SMARTBOW GMBH, AT
[85] 2019-07-22
[86] 2018-02-06 (PCT/AT2018/000005)
[87] (WO2018/145134)
[30] AT (A 42/2017) 2017-02-08

[21] **3,051,131**
[13] A1

[51] **Int.Cl. A47G 19/22 (2006.01) A47G 21/18 (2006.01) A61J 9/00 (2006.01)**
[25] EN
[54] **FEEDING ATTACHMENTS, FEEDING CUP AND METHODS OF USE**
[54] **ACCESSOIRES D'ALIMENTATION, GOBELET D'ALIMENTATION ET PROCEDES D'UTILISATION**
[72] ROUX, GABRIEL HENDRIK, AU
[71] ROUX, GABRIEL HENDRIK, AU
[85] 2019-07-22
[86] 2018-01-19 (PCT/AU2018/050037)
[87] (WO2018/132877)
[30] AU (2017900200) 2017-01-23
[30] AU (2017200580) 2017-01-30

[21] **3,051,132**
[13] A1

[51] **Int.Cl. H04J 14/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTELLIGENT EDGE TO EDGE OPTICAL SYSTEM AND WAVELENGTH PROVISIONING**
[54] **SYSTEMES ET PROCEDES POUR UN SYSTEME OPTIQUE BORD A BORD INTELLIGENT ET FOURNITURE DE LONGUEUR D'ONDE**
[72] CAMPOS, LUIS ALBERTO, US
[72] JIA, ZHENSHENG, US
[72] STUART, CARMELA, US
[71] CABLE TELEVISION LABORATORIES, INC., US
[85] 2019-07-19
[86] 2018-01-23 (PCT/US2018/014908)
[87] (WO2018/136964)
[30] US (62/449,397) 2017-01-23
[30] US (15/590,464) 2017-05-09

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[21] **3,051,133**
[13] A1

[51] **Int.Cl. F24F 11/00 (2018.01) G06N 99/00 (2019.01) F24F 11/62 (2018.01) G05B 13/00 (2006.01) G05B 13/02 (2006.01) G05B 15/02 (2006.01) G05B 19/04 (2006.01) G05B 19/042 (2006.01) G05B 19/048 (2006.01)**

[25] EN
[54] **ADAPTIVE SCENE CREATION FOR SITE CONTROL AUTOMATION**
[54] **CREATION DE SCENE ADAPTATIVE POUR AUTOMATISATION DE COMMANDE DE SITE**

[72] HARRIS, STEPHEN, US
[71] THINK AUTOMATIC, LLC, US
[85] 2019-07-19
[86] 2018-02-13 (PCT/US2018/017978)
[87] (WO2018/156387)
[30] US (15/443,970) 2017-02-27

[21] **3,051,134**
[13] A1

[51] **Int.Cl. G01V 1/36 (2006.01)**

[25] EN
[54] **VIRTUAL SOURCE REDATUMING USING RADIATION PATTERN CORRECTION**
[54] **CHANGEMENT DE SURFACE DE REFERENCE DE SOURCE VIRTUELLE PAR CORRECTION DE DIAGRAMME DE RAYONNEMENT**

[72] ZHAO, YANG, US
[72] BURNSTAD, ROY MATTHEW, US
[72] LI, WEICHANG, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-07-19
[86] 2018-01-26 (PCT/US2018/015537)
[87] (WO2018/140783)
[30] US (62/451,297) 2017-01-27

[21] **3,051,135**
[13] A1

[51] **Int.Cl. G06Q 30/04 (2012.01) G06Q 50/06 (2012.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR DISAGGREGATING APPLIANCE LOADS**
[54] **SYSTEMES ET PROCEDES DE DESAGREGATION DE CHARGES D'APPAREILS MENAGERS**

[72] GUPTA, ABHAY, US
[72] VIVEK, GARUD, US
[71] BIDGELY INC., US
[85] 2019-07-19
[86] 2018-01-23 (PCT/US2018/014911)
[87] (WO2018/136966)
[30] US (62/449,230) 2017-01-23
[30] US (15/675,716) 2017-08-12
[30] US (15/826,657) 2017-11-29

[21] **3,051,136**
[13] A1

[51] **Int.Cl. A61K 39/39 (2006.01) A61K 9/127 (2006.01) A61K 9/51 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **CORE/SHELL STRUCTURE PLATFORM FOR IMMUNOTHERAPY**
[54] **PLATE-FORME DE STRUCTURE NOYAU/ENVELOPPE POUR L'IMMUNOTHERAPIE**

[72] SHEN, HAIFA, US
[71] THE METHODIST HOSPITAL, US
[85] 2019-07-19
[86] 2018-01-26 (PCT/US2018/015601)
[87] (WO2018/140826)
[30] US (62/451,575) 2017-01-27

[21] **3,051,137**
[13] A1

[51] **Int.Cl. A62C 37/16 (2006.01)**

[25] EN
[54] **SPRINKLER HEAD WITH SMA SPRING**
[54] **TETE D'EXTINCTEUR A RESSORT EN AMF**

[72] HYSLOP, WILLIAM J., US
[71] HYSLOP, WILLIAM J., US
[85] 2019-07-19
[86] 2018-01-24 (PCT/US2018/014992)
[87] (WO2018/140457)
[30] US (62/449,772) 2017-01-24

[21] **3,051,138**
[13] A1

[51] **Int.Cl. C08F 220/14 (2006.01) B32B 27/30 (2006.01) C08K 5/20 (2006.01) C08L 33/12 (2006.01)**

[25] EN
[54] **POLYMER COMPOSITION**
[54] **COMPOSITION POLYMERE**

[72] EUSTACE, PAUL, GB
[72] MCMAHON, BRIAN, GB
[71] LUCITE INTERNATIONAL UK LIMITED, GB
[85] 2019-07-22
[86] 2018-02-05 (PCT/GB2018/050326)
[87] (WO2018/142164)
[30] GB (1701817.7) 2017-02-03

[21] **3,051,141**
[13] A1

[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 5/074 (2010.01) C12N 5/02 (2006.01)**

[25] EN
[54] **MEDIA AND METHODS FOR ENHANCING THE SURVIVAL AND PROLIFERATION OF STEM CELLS**
[54] **MILIEUX ET PROCEDES POUR AMELIORER LA SURVIE ET LA PROLIFERATION DE CELLULES SOUCHES**

[72] HIRST, ADAM, CA
[72] KARDEL, MELANIE, CA
[72] CHANG, WING, CA
[72] HIATT, MICHAEL, CA
[72] JERVIS, ERIC, CA
[72] HUNTER, ARWEN, CA
[71] STEMCELL TECHNOLOGIES CANADA INC., CA
[85] 2019-07-22
[86] 2018-01-23 (PCT/CA2018/050076)
[87] (WO2018/132926)
[30] US (62/449,413) 2017-01-23
[30] US (62/518,776) 2017-06-13
[30] US (62/608,875) 2017-12-21

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[21] **3,051,142**
[13] A1

[51] **Int.Cl. A61K 31/715 (2006.01) A61K 31/738 (2006.01)**
[25] EN
[54] **ZWITTERIONICALLY MODIFIED POLYMERS AND HYDROGELS**
[54] **POLYMERES ET HYDROGELS MODIFIES DE MANIERE ZWITTERIONIQUE**
[72] MA, MINGLIN, US
[72] LIU, QINGSHENG, US
[71] CORNELL UNIVERSITY, US
[85] 2019-07-19
[86] 2018-01-27 (PCT/US2018/015613)
[87] (WO2018/140834)
[30] US (62/451,629) 2017-01-27

[21] **3,051,143**
[13] A1

[51] **Int.Cl. D01F 2/00 (2006.01) C08J 5/18 (2006.01) D01F 13/02 (2006.01)**
[25] EN
[54] **A PROCESS FOR MAKING A CELLULOSE FIBRE OR FILM**
[54] **PROCEDE DE FABRICATION D'UNE FIBRE OU D'UN FILM DE CELLULOSE**
[72] SIXTA, HERBERT, FI
[72] HUMMEL, MICHAEL, FI
[72] LE BOULCH, KADVAEL, FI
[72] KILPELAINEN, A. ILKKA, FI
[72] KING, ALISTAIR W. T., FI
[72] HELMINEN, K. J. JUSSI, FI
[72] HELLSTEN, SANNA, FI
[71] AALTO UNIVERSITY FOUNDATION SR, FI
[71] HELSINGIN YLIOPISTO, FI
[85] 2019-07-22
[86] 2018-01-30 (PCT/FI2018/050070)
[87] (WO2018/138416)
[30] FI (20175078) 2017-01-30

[21] **3,051,144**
[13] A1

[51] **Int.Cl. H04L 1/06 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION DE DONNEES**
[72] SUN, YANLIANG, CN
[72] LIU, BIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-07-22
[86] 2017-02-27 (PCT/CN2017/075046)
[87] (WO2018/133173)
[30] CN (201710058649.2) 2017-01-23

[21] **3,051,145**
[13] A1

[51] **Int.Cl. A61L 27/18 (2006.01) A61L 27/24 (2006.01) A61L 27/34 (2006.01) A61L 27/36 (2006.01)**
[25] EN
[54] **TRANSGLUTAMINASE TREATED PRODUCTS**
[54] **PRODUITS TRAITES A L'AIDE DE TRANSGLUTAMINASE**
[72] CHEN, YI, US
[72] COLLINS, SEAN, US
[72] HUANG, LI TING, US
[72] STEC, ERIC, US
[72] XU, HUI, US
[71] LIFECCELL CORPORATION, US
[85] 2019-07-19
[86] 2018-01-29 (PCT/US2018/015684)
[87] (WO2018/140853)
[30] US (62/452,000) 2017-01-30

[21] **3,051,146**
[13] A1

[51] **Int.Cl. C07C 323/22 (2006.01) A61K 31/10 (2006.01) A61K 31/192 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01) C07C 59/84 (2006.01)**
[25] EN
[54] **CRYSTAL FORM OF GFT-505 AND PREPARATION METHOD AND USE THEREOF**
[54] **FORME CRISTALLINE DE GFT-505 ET PROCEDE DE PREPARATION ET D'UTILISATION DE CELLE-CI**
[72] CHEN, MINHUA, CN
[72] ZHANG, YANFENG, CN
[72] WANG, JINQIU, CN
[72] LIU, KAI, CN
[72] ZHANG, XIAOYU, CN
[71] CRYSTAL PHARMACEUTICAL (SUZHOU) CO., LTD., CN
[85] 2019-07-22
[86] 2018-01-09 (PCT/CN2018/071917)
[87] (WO2018/133705)
[30] CN (201710053395.5) 2017-01-22
[30] CN (201710068280.3) 2017-02-08

[21] **3,051,148**
[13] A1

[51] **Int.Cl. C11D 3/28 (2006.01) C11D 3/30 (2006.01) C11D 3/395 (2006.01)**
[25] EN
[54] **BLEACH OR DETERGENT COMPOSITION**
[54] **COMPOSITION DE BLANCHIMENT OU DE DETERGENT**
[72] HONG, BING, CN
[72] LERCH, ALEXANDER, DE
[72] LIEBENS, ARMIN T., CN
[72] STREIFF, STEPHANE, CN
[71] RHODIA OPERATIONS, FR
[85] 2019-07-22
[86] 2018-01-30 (PCT/CN2018/074541)
[87] (WO2018/141237)
[30] CN (PCT/CN2017/072809) 2017-02-03

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[21] **3,051,149**
[13] A1

[51] **Int.Cl. H01M 4/38 (2006.01) H01M 10/052 (2010.01) H01M 10/0525 (2010.01) H01M 4/36 (2006.01)**

[25] EN

[54] **ELECTRICALLY RESTORABLE RECHARGEABLE BATTERY, AND METHODS OF MANUFACTURE AND METHODS OF OPERATING THE BATTERY**

[54] **BATTERIE RECHARGEABLE RESTAURABLE ELECTRIQUEMENT, ET PROCEDES DE FABRICATION ET FONCTIONNEMENT DE LA BATTERIE**

[72] OFER, DAVID, US
[72] SRIRAMULU, SURESH, US
[71] CAMX POWER LLC, US

[85] 2019-07-19
[86] 2018-01-31 (PCT/US2018/016065)
[87] (WO2018/144493)
[30] US (62/452,636) 2017-01-31
[30] US (15/793,675) 2017-10-25

[21] **3,051,150**
[13] A1

[51] **Int.Cl. A61K 47/32 (2006.01) A61K 9/70 (2006.01) A61K 31/465 (2006.01)**

[25] EN

[54] **NICOTINE-CONTAINING TRANSPARENT TRANSDERMAL THERAPEUTIC SYSTEM**

[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE TRANSPARENT CONTENANT DE LA NICOTINE**

[72] HILLE, THOMAS, DE
[72] WAUER, GABRIEL, DE
[72] BOTZEM, PETRA, DE
[72] SEIBERTZ, FRANK, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE

[85] 2019-07-22
[86] 2018-02-26 (PCT/DE2018/100168)
[87] (WO2018/153413)
[30] DE (10 2017 104 026.9) 2017-02-27

[21] **3,051,151**
[13] A1

[51] **Int.Cl. E21B 19/16 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD OF CONNECTING TUBULARS**

[54] **APPAREIL ET PROCEDE DE RACCORDEMENT D'ELEMENTS TUBULAIRES**

[72] RUEHMANN, RAINER, DE
[72] HEBEBRAND, CHRISTINA KARIN, DE

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[85] 2019-07-19
[86] 2018-02-01 (PCT/US2018/016480)
[87] (WO2018/144752)
[30] US (62/454,382) 2017-02-03
[30] US (15/455,515) 2017-03-10

[21] **3,051,152**
[13] A1

[51] **Int.Cl. A61L 31/02 (2006.01) A61L 31/18 (2006.01)**

[25] EN

[54] **WIRE-FORMED BIO-ABSORBABLE IMPLANTS AND METHODS FOR ASSEMBLY**

[54] **IMPLANTS BIO-ABSORBABLES FORMES PAR FIL ET PROCEDES D'ASSEMBLAGE ASSOCIES**

[72] PAQUIN, MARK, US
[72] BROECKER, DAVID, US
[71] ZORION MEDICAL, INC., US

[85] 2019-07-19
[86] 2018-02-05 (PCT/US2018/016904)
[87] (WO2018/145029)
[30] US (62/454,202) 2017-02-03

[21] **3,051,154**
[13] A1

[51] **Int.Cl. G01N 33/49 (2006.01) G01N 11/16 (2006.01) G01N 33/86 (2006.01)**

[25] EN

[54] **DEVICES AND METHODS FOR MEASURING VISCOELASTIC CHANGES OF A SAMPLE**

[54] **DISPOSITIFS ET PROCEDES DE MESURE DE CHANGEMENTS VISCOELASTIQUES D'UN ECHANTILLON**

[72] LEYSER, HARALD, DE
[71] DYNABYTE INFORMATIONSSYSTEME GMBH, DE

[85] 2019-07-22
[86] 2017-01-26 (PCT/EP2017/051660)
[87] (WO2018/137766)

[21] **3,051,155**
[13] A1

[51] **Int.Cl. B65D 27/04 (2006.01) B65D 27/06 (2006.01) B65D 27/12 (2006.01) B65D 75/20 (2006.01) B65D 75/30 (2006.01)**

[25] EN

[54] **REMOVABLE AND REUSABLE PROTECTIVE ENVELOPE TO DISPLAY DOCUMENT**

[54] **ENVELOPPE PROTECTRICE AMOVIBLE ET REUTILISABLE POUR AFFICHER UN DOCUMENT**

[72] TAWES, JOSHUA, US
[72] TAWES, JOEL, US
[72] STILE, ANTHONY, US
[72] HAWRYLAK, BRITT, US
[72] HAWRYLAK, MATTHEW, US
[72] HAWRYLAK, RAY M., US
[72] CAGLE, JOSEPH, US
[72] BROWN, BENJAMIN L., US
[71] ACCELERATED PRODUCTIONS, INC., US

[85] 2019-07-19
[86] 2018-02-09 (PCT/US2018/017677)
[87] (WO2018/148582)
[30] US (62/458,192) 2017-02-13
[30] US (62/541,336) 2017-08-04
[30] US (62/545,715) 2017-08-15
[30] US (62/597,019) 2017-12-11
[30] US (15/893,149) 2018-02-09

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[21] **3,051,157**
[13] A1

[51] **Int.Cl. C21D 9/46 (2006.01) C22C 38/22 (2006.01) C22C 38/26 (2006.01) C22C 38/28 (2006.01)**

[25] EN

[54] **HOT ROLLED FLAT STEEL PRODUCT CONSISTING OF A COMPLEX-PHASE STEEL WITH A LARGELY BAINITIC MICROSTRUCTURE AND METHOD FOR MANUFACTURING SUCH A FLAT STEEL PRODUCT**

[54] **PRODUIT PLAT EN ACIER LAMINE A CHAUD CONSTITUE D'UN ACIER A PHASE COMPLEXE AYANT UNE STRUCTURE ESSENTIELLEMENT BAINITIQUE ET PROCEDE POUR FABRIQUER UN TEL PRODUIT PLAT EN ACIER**

[72] ROSLER, THORSTEN, DE
[72] ZHANG, LIUYI, DR., DE
[72] MERTENS, JORG, DE
[71] THYSSENKRUPP STEEL EUROPE AG, DE
[71] THYSSENKRUPP AG, DE
[85] 2019-07-22
[86] 2018-01-16 (PCT/EP2018/050963)
[87] (WO2018/134186)
[30] EP (PCT/EP2017/051141) 2017-01-20

[21] **3,051,158**
[13] A1

[51] **Int.Cl. A43B 7/14 (2006.01) A43B 17/00 (2006.01)**

[25] EN

[54] **ORTHOPAEDIC FOOT BED AND METHOD FOR PRODUCING AN ORTHOPAEDIC FOOT BED**

[54] **LIT PLANTAIRE ORTHOPEDIQUE ET PROCEDE DE PRODUCTION D'UN LIT PLANTAIRE ORTHOPEDIQUE**

[72] BAUMER, CHRISTOPH, DE
[71] BAUMER, CHRISTOPH, DE
[85] 2019-07-22
[86] 2018-01-23 (PCT/EP2018/051569)
[87] (WO2018/145892)
[30] DE (10 2017 201 885.2) 2017-02-07

[21] **3,051,159**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/122 (2006.01) A61K 47/32 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01)**

[25] EN

[54] **STRUCTURED ORODISPERSIBLE FILMS**

[54] **FILMS ORODISPERSIBLES STRUCTURES**

[72] STEINER, DENISE, DE
[72] KWADDE, ARNO, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2019-07-22
[86] 2018-02-16 (PCT/EP2018/053920)
[87] (WO2018/149983)
[30] DE (10 2017 103 346.7) 2017-02-17

[21] **3,051,162**
[13] A1

[51] **Int.Cl. C12N 5/077 (2010.01)**

[25] EN

[54] **CONDITIONALLY IMMORTALIZED CELLS AND METHODS FOR THEIR PREPARATION**

[54] **CELLULES IMMORTALISEES DE MANIERE CONDITIONNELLE ET DES PROCEDES POUR LEUR PREPARATION**

[72] DE VRIES, ANTONIUS ADRIANUS FRANCISCUS, NL
[72] PIJNAPPELS, DANIEL ANTONIE, NL
[72] SCHALY, MARTIN JAN, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N., NL
[85] 2019-07-22
[86] 2018-01-23 (PCT/NL2018/050046)
[87] (WO2018/135948)
[30] EP (17152653.6) 2017-01-23
[30] EP (17195811.9) 2017-10-10

[21] **3,051,163**
[13] A1

[51] **Int.Cl. C07C 33/30 (2006.01) C07C 33/48 (2006.01) C07C 43/166 (2006.01) C07C 43/176 (2006.01) C07C 43/23 (2006.01) C07C 47/232 (2006.01) C07C 47/277 (2006.01) C07C 49/217 (2006.01) C07C 57/42 (2006.01) C07C 59/64 (2006.01) C07C 69/618 (2006.01) C07C 69/65 (2006.01) C07C 69/734 (2006.01) C07C 233/11 (2006.01) C07C 255/34 (2006.01) C07C 255/57 (2006.01)**

[25] EN

[54] **COMPOUNDS REDUCING MALODOUR PERCEPTION AND THE USE THEREOF**

[54] **COMPOSES REDUISANT LA PERCEPTION DES MAUVAISES ODEURS ET LEUR UTILISATION**

[72] CHATELAIN, PIERRE, BE
[72] GAUTSCHI, MARKUS, CH
[72] GRANIER, THIERRY, CH
[72] QUESNEL, YANNICK, BE
[72] SELL, CHARLES STANLEY, GB
[72] VEITHEN, ALEX, BE
[71] CHEMCOM S.A., BE
[71] GIVAUDAN S.A., CH
[85] 2019-07-22
[86] 2018-01-30 (PCT/EP2018/052191)
[87] (WO2018/138369)
[30] EP (17153751.7) 2017-01-30

[21] **3,051,164**
[13] A1

[51] **Int.Cl. G06N 5/02 (2006.01) G06F 21/50 (2013.01) G06F 21/51 (2013.01) G06F 21/53 (2013.01) G06F 21/54 (2013.01) G06F 21/55 (2013.01) G06F 21/56 (2013.01) G06F 21/57 (2013.01)**

[25] EN

[54] **COMPUTER SECURITY BASED ON ARTIFICIAL INTELLIGENCE**

[54] **SECURITE INFORMATIQUE BASEE SUR L'INTELLIGENCE ARTIFICIELLE**

[72] HASAN, SYED KAMRAN, US
[71] HASAN, SYED KAMRAN, US
[85] 2019-07-22
[86] 2017-01-24 (PCT/US2017/014699)
[87] (WO2017/127850)
[30] US (62/286,437) 2016-01-24
[30] US (62/294,258) 2016-02-11
[30] US (62/307,558) 2016-03-13
[30] US (62/323,657) 2016-04-16
[30] US (62/326,723) 2016-04-23
[30] US (15/145,800) 2016-05-04
[30] US (62/341,310) 2016-05-25
[30] US (15/264,744) 2016-09-14
[30] US (62/439,409) 2016-12-27

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[21] **3,051,166**
[13] A1

[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/18 (2006.01) C08G 18/20 (2006.01) C08G 18/22 (2006.01) C08G 18/24 (2006.01) C08G 18/32 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/50 (2006.01) C08G 18/76 (2006.01) C08L 71/02 (2006.01)**

[25] EN
[54] **HFO CONTAINING PU FORMULATION PREPARATION DE POLYURETHANE CONTENANT UNE HYDROHALOOLEFINE**

[72] ROLFSEN, CHRISTINE, DE
[72] GREVER, MARKO, DE
[72] ESLAVA, JOSEP-DANIEL, ES
[72] ELBING, MARK, DE
[71] BASF SE, DE
[85] 2019-07-22
[86] 2018-01-30 (PCT/EP2018/052217)
[87] (WO2018/141716)
[30] EP (17153938.0) 2017-01-31

[21] **3,051,167**
[13] A1

[51] **Int.Cl. A21D 13/80 (2017.01) A23L 5/40 (2016.01) A23L 33/00 (2016.01) A23L 33/21 (2016.01)**

[25] EN
[54] **CHILDREN'S BISCUIT WITH NO ADDED SUGAR AND METHOD OF PREPARING IT BISCUIT POUR ENFANT SANS SUCRES AJOUTES**

[72] VARGAS OLMO, JUAN GABRIEL, ES
[71] CUETARA, S.L, ES
[85] 2019-07-22
[86] 2017-10-02 (PCT/ES2017/070644)
[87] (WO2018/172573)
[30] ES (P201700254) 2017-03-23

[21] **3,051,168**
[13] A1

[51] **Int.Cl. G06F 21/56 (2013.01) G06F 21/55 (2013.01) G06F 21/60 (2013.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR IP SOURCE ADDRESS SPOOF DETECTION SYSTEMES ET PROCEDES DE DETECTION DE MYSTIFICATION D'ADRESSE IP SOURCE**

[72] BOATWRIGHT, THOMAS B., US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2019-07-22
[86] 2017-03-24 (PCT/US2017/023967)
[87] (WO2018/140067)
[30] US (62/451,430) 2017-01-27

[21] **3,051,169**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01)**

[25] EN
[54] **INHIBITION OF PLATELET AGGREGATION USING ANTI-HUMAN GPVI ANTIBODIES INHIBITION DE L'AGREGATION PLAQUETTAIRE A L'AIDE D'ANTICORPS ANTI-GPVI HUMAINE**

[72] BILLIALD, PHILIPPE, FR
[72] JANDROT-PERRUS, MARTINE, FR
[72] AVENARD, GILLES, FR
[71] ACTICOR BIOTECH, FR
[71] UNIVERSITE PARIS DIDEROT - PARIS 7, FR
[71] UNIVERSITE PARIS XIII, FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE PARIS-SUD 11, FR
[85] 2019-07-22
[86] 2018-02-02 (PCT/EP2018/052664)
[87] (WO2018/141909)
[30] EP (17154658.3) 2017-02-03

[21] **3,051,170**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 9/48 (2006.01)**

[25] EN
[54] **SYSTEMS AND METHODS FOR LIMITING INTERRUPTIONS TO USE OF AN APPLICATION ON THE BASIS OF WHICH APPLICATION IS REQUESTING TO CAUSE THE INTERRUPTION SYSTEMES ET PROCEDES POUR LIMITER DES INTERRUPTIONS D'UTILISATION D'UNE APPLICATION SUR LA BASE DE LAQUELLE UNE APPLICATION DEMANDE DE PROVOQUER L'INTERRUPTION**

[72] HOLMES, TIMOTHY ANDREW, US
[72] MCCARTY, MICHAEL, US
[72] ROE, GLEN E., US
[71] ROVI GUIDES, INC., US
[85] 2019-07-22
[86] 2017-03-15 (PCT/US2017/022595)
[87] (WO2018/169529)

[21] **3,051,171**
[13] A1

[51] **Int.Cl. B29C 70/44 (2006.01) B29B 11/16 (2006.01) B29C 70/52 (2006.01)**

[25] EN
[54] **METHOD OF MANUFACTURING A WIND TURBINE ROTOR BLADE METHODE DE FABRICATION D'UNE PALE DE ROTOR D'EOLIENNE**

[72] LEHMANN MADSEN, KRISTIAN, DK
[71] LM WIND POWER INTERNATIONAL TECHNOLOGY II APS, DK
[85] 2019-07-22
[86] 2018-02-06 (PCT/EP2018/052959)
[87] (WO2018/146095)
[30] EP (17155189.8) 2017-02-08

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[21] **3,051,172**
[13] A1

[51] **Int.Cl. E04G 11/48 (2006.01) E04G 25/00 (2006.01)**
[25] EN
[54] **HEAD FOR A PROP**
[54] **ETRIER POUR ETAI**
[72] UBINANA FELIX, JOSE LUIS, ES
[71] SISTEMAS TECNICOS DE ENCOFRADOS, S.A., ES
[85] 2019-07-22
[86] 2018-01-22 (PCT/ES2018/070046)
[87] (WO2018/142004)
[30] ES (P201730128) 2017-02-03

[21] **3,051,173**
[13] A1

[51] **Int.Cl. A61K 47/60 (2017.01)**
[25] EN
[54] **RELEASABLE CONJUGATES**
[54] **CONJUGUES LIBERABLES**
[72] KWIATKOWSKI, MAREK, SE
[72] SUND, CHRISTIAN, SE
[71] QUIAPEG PHARMACEUTICALS AB, SE
[85] 2019-07-22
[86] 2018-03-10 (PCT/IB2018/051579)
[87] (WO2018/163131)
[30] US (62/469,989) 2017-03-10
[30] US (62/564,820) 2017-09-28

[21] **3,051,178**
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **SCN9A ANTISENSE PAIN KILLER**
[54] **ANTALGIQUE ANTI-SENS SCN9A**
[72] CHUNG, SHIN, KR
[72] JUNG, DARAM, KR
[72] CHO, BONGJUN, KR
[72] JANG, KANGWON, KR
[72] JEON, HYUN JU, KR
[72] BAE, JINYOUNG, KR
[72] BAE, TAEYEON, KR
[72] JEON, YEASEL, KR
[72] LEE, JUN YEON, KR
[72] PARK, SUN HWA, KR
[72] AN, DAN BI, KR
[71] OLIPASS CORPORATION, KR
[85] 2019-07-22
[86] 2018-01-23 (PCT/IB2018/000160)
[87] (WO2018/138585)
[30] US (62/449,738) 2017-01-24

[21] **3,051,179**
[13] A1

[51] **Int.Cl. C10G 31/08 (2006.01) B01D 17/04 (2006.01) C07C 47/127 (2006.01) C08G 8/08 (2006.01) C08G 16/00 (2006.01) C10G 33/04 (2006.01)**
[25] EN
[54] **DEMULSIFICATION ADDITIVE COMPOSITION, USE THEREOF, AND METHOD OF DEMULSIFICATION**
[54] **COMPOSITION ADDITIVE DE DESEMULSIFICATION, UTILISATION ASSOCIEE, ET PROCEDE DE DESEMULSIFICATION**
[72] SUBRAMANIAM, MAHESH, IN
[71] DORF KETAL CHEMICALS (INDIA) PRIVATE LIMITED, IN
[85] 2019-07-22
[86] 2018-01-12 (PCT/IB2018/050211)
[87] (WO2018/138595)
[30] IN (201721002955) 2017-01-25

[21] **3,051,180**
[13] A1

[51] **Int.Cl. C08L 101/00 (2006.01) C08K 5/098 (2006.01)**
[25] EN
[54] **THERMOPLASTIC RESIN COMPOSITION FOR HOT PLATE WELDING, MOLDED ARTICLE THEREOF, AND RESIN CONJUGATE**
[54] **COMPOSITION DE RESINE THERMOPLASTIQUE POUR SOUDAGE PAR PLAQUE CHAUFFANTE, ARTICLE MOULE CONSTITUE DE CELLE-CI ET CONJUGUE DE RESINE**
[72] KAMATA, ICHIRO, JP
[71] TECHNO-UMG CO., LTD., JP
[85] 2019-07-22
[86] 2017-12-13 (PCT/JP2017/044725)
[87] (WO2018/139087)
[30] JP (2017-010920) 2017-01-25

[21] **3,051,181**
[13] A1

[51] **Int.Cl. E04F 13/08 (2006.01) B65D 57/00 (2006.01) B65D 59/00 (2006.01) B65D 71/02 (2006.01) E04B 2/56 (2006.01) E04C 2/30 (2006.01)**
[25] EN
[54] **BUILDING MATERIAL, STACKED BODY OF BUILDING MATERIALS, AND BUILDING-MATERIAL CONSTRUCTION METHOD**
[54] **MATERIAU DE CONSTRUCTION, CORPS STRATIFIE DE MATERIAUX DE CONSTRUCTION, ET PROCEDE DE CONSTRUCTION POUR MATERIAUX DE CONSTRUCTION**
[72] SHIMATANI, YASUHIKO, JP
[71] NICHIIHA CORPORATION, JP
[85] 2019-07-22
[86] 2018-01-25 (PCT/JP2018/002204)
[87] (WO2018/139509)
[30] JP (2017-012640) 2017-01-27

[21] **3,051,182**
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 38/09 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A COMPOSITION COMPRISING AT LEAST ONE GNRH ANTAGONIST**
[54] **COMPOSITION COMPRENANT AU MOINS UN ANTAGONISTE DE LA GNRH**
[72] LARSEN, FINN, GB
[71] ANTEV LIMITED, GB
[85] 2019-07-22
[86] 2018-01-30 (PCT/IB2018/050559)
[87] (WO2018/138703)
[30] US (62/452,096) 2017-01-30

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[21] **3,051,184**
[13] A1

[51] **Int.Cl. B22F 1/00 (2006.01)**
[25] EN
[54] **SOFT MAGNETIC POWDER, FE-BASED NANOCRYSTALLINE ALLOY POWDER, MAGNETIC COMPONENT AND DUST CORE**
[54] **POUDRE MAGNETIQUE A AIMANTATION PROVISoire, POUdRE D'ALLIAGE NANOCRISTALLIN A BASE DE FE, COMPOSANT MAGNETIQUE ET NOYAU DE POUSSIERE**
[72] URATA, AKIRI, JP
[72] CHIBA, MIHO, JP
[72] MURAKI, MINEO, JP
[72] NAKASEKO, MAKOTO, JP
[72] TAKASHITA, TAKUYA, JP
[71] JFE STEEL CORPORATION, JP
[85] 2019-07-22
[86] 2018-01-26 (PCT/JP2018/002380)
[87] (WO2018/139563)
[30] JP (2017-012977) 2017-01-27

[21] **3,051,185**
[13] A1

[51] **Int.Cl. H01M 4/02 (2006.01) H01M 4/04 (2006.01) H01M 4/62 (2006.01) H01M 4/13 (2010.01) H01M 4/139 (2010.01)**
[25] EN
[54] **ELECTRODE COMPOSITION, ELECTRODE, PRODUCTION METHOD THEREOF, AND BATTERY**
[54] **COMPOSITION D'ELECTRODE, ELECTRODE, PROCEDE DE PRODUCTION DE LADITE ELECTRODE ET BATTERIE**
[72] KANAMURA, KIYOSHI, JP
[72] MUNAKATA, HIROKAZU, JP
[72] SHOJI, MAO, JP
[71] TOKYO METROPOLITAN UNIVERSITY, JP
[85] 2019-07-22
[86] 2018-01-26 (PCT/JP2018/002476)
[87] (WO2018/139580)
[30] JP (2017-014066) 2017-01-30

[21] **3,051,186**
[13] A1

[51] **Int.Cl. C21C 5/46 (2006.01) G01N 21/17 (2006.01) G01N 33/20 (2019.01)**
[25] EN
[54] **METHOD OF DETECTING SLAG IN MOLTEN STEEL FLOW**
[54] **PROCEDE DE DETECTION DE SCORIES DANS UN FLUX D'ACIER FONDU**
[72] KUSUNOKI, TOMOYUKI, JP
[72] MIYAZAKI, TAKAHIRO, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2019-07-22
[86] 2018-02-13 (PCT/JP2018/004818)
[87] (WO2018/151075)
[30] JP (2017-025441) 2017-02-14

[21] **3,051,189**
[13] A1

[51] **Int.Cl. B21D 26/053 (2011.01) B21D 26/033 (2011.01) B21D 43/00 (2006.01)**
[25] EN
[54] **FORMING SYSTEM AND FORMING METHOD**
[54] **SYSTEME DE MOULAGE ET PROCEDE DE MOULAGE**
[72] NOGIWA, KIMIHIRO, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] SAIKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2019-07-22
[86] 2018-02-16 (PCT/JP2018/005556)
[87] (WO2018/173575)
[30] JP (2017-054897) 2017-03-21

[21] **3,051,191**
[13] A1

[51] **Int.Cl. E04F 13/075 (2006.01) B32B 7/06 (2019.01) B32B 27/00 (2006.01) E04F 13/08 (2006.01)**
[25] EN
[54] **BUILDING MATERIAL**
[54] **MATERIAU DE CONSTRUCTION**
[72] SHIMATANI, YASUHIKO, JP
[71] NICHIIHA CORPORATION, JP
[85] 2019-07-22
[86] 2018-03-26 (PCT/JP2018/012012)
[87] (WO2018/181115)
[30] JP (2017-068539) 2017-03-30

[21] **3,051,192**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/10 (2012.01) H02J 3/14 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **POWER SUPPLY SWITCHING DEVICE AND POWER SUPPLY SYSTEM**
[54] **DISPOSITIF ET SYSTEME DE COMMUTATION D'ALIMENTATION ELECTRIQUE**
[72] NINOMIYA, TADASHI, JP
[71] KABUSHIKI KAISHA FUNABASHI SUKOU, JP
[85] 2019-07-22
[86] 2018-04-17 (PCT/JP2018/015831)
[87] (WO2019/026355)
[30] JP (2017-151792) 2017-08-04

[21] **3,051,195**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) C07K 19/00 (2006.01) C12N 9/00 (2006.01)**
[25] EN
[54] **SPLIT INTEINS WITH EXCEPTIONAL SPLICING ACTIVITY**
[54] **INTEINES CLIVEES A ACTIVITE D'EPISSAGE EXCEPTIONNELLE**
[72] MUIR, TOM W., US
[72] STEVENS, ADAM J., US
[72] SHAH, NEEL H., US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
[85] 2019-07-22
[86] 2017-01-27 (PCT/US2017/015455)
[87] (WO2017/132580)
[30] US (62/288,661) 2016-01-29

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[21] **3,051,196**
[13] A1

[51] **Int.Cl. G01J 5/06 (2006.01) G01J 5/08 (2006.01)**
[25] EN
[54] **STRUCTURALLY REINFORCED COMPOSITE COLD SHIELD FOR USE IN INFRARED SENSORS OR OTHER DEVICES**
[54] **ECRAN FROID COMPOSITE RENFORCE**
STRUCTURELLEMENT DESTINE A ETRE UTILISE DANS DES CAPTEURS INFRAROUGES OU D'AUTRES DISPOSITIFS
[72] AVERS, GAVIN L., US
[72] BREST, MICHAEL L., US
[72] ELBOGEN, MARK C., US
[72] COBB, CHRISTOPHER J., US
[72] RINEHART, DANIEL W., US
[72] GRAHAM, JASON S., US
[71] RAYTHEON COMPANY, US
[85] 2019-07-22
[86] 2017-11-30 (PCT/US2017/063955)
[87] (WO2018/190913)
[30] US (15/483,219) 2017-04-10

[21] **3,051,197**
[13] A1

[51] **Int.Cl. B65B 61/18 (2006.01) B65D 75/58 (2006.01)**
[25] EN
[54] **RESEALABLE FLEXIBLE PACKAGING**
[54] **EMBALLAGE SOUPLE REFERMABLE**
[72] HUFFER, SCOTT WILLIAM, US
[71] SONOCO DEVELOPMENT INCORPORATED, US
[85] 2019-07-22
[86] 2017-12-05 (PCT/US2017/064594)
[87] (WO2018/156233)
[30] US (15/442,779) 2017-02-27

[21] **3,051,198**
[13] A1

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **ONE TRIP TREATING TOOL FOR A RESOURCE EXPLORATION SYSTEM AND METHOD OF TREATING A FORMATION**
[54] **OUTIL DE TRAITEMENT EN UNE MANUVRE DE SYSTEME D'EXPLORATION DE RESSOURCE ET PROCEDE DE TRAITEMENT DE FORMATION**
[72] PENDLETON, BRYAN P., US
[72] SHEEHAN, JOSEPH, US
[72] MOSLEY, DESHUTTANEY, US
[72] MARTIN, SHANNON, US
[72] VU, JOHN, US
[72] KRUEGER, MATTHEW J., US
[72] KNEBEL, MARK J., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-07-22
[86] 2017-12-13 (PCT/US2017/066114)
[87] (WO2018/140142)
[30] US (15/413,592) 2017-01-24

[21] **3,051,199**
[13] A1

[51] **Int.Cl. C10M 109/02 (2006.01) C10M 133/44 (2006.01) C10M 169/04 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITION WITH IMPROVED OXIDATION RETENTION AND REDUCED SLUDGE AND VARNISH FORMATION**
[54] **COMPOSITION D'HUILE LUBRIFIANTE AYANT UNE RETENTION D'OXYDATION AMELIOREE ET UNE FORMATION REDUITE DE BOUE ET DE VERNIS**
[72] HUTCHISON, GREGORY S., US
[71] PHILLIPS 66 COMPANY, US
[85] 2019-07-22
[86] 2018-01-19 (PCT/US2018/014418)
[87] (WO2018/136735)
[30] US (62/449,196) 2017-01-23
[30] US (15/875,284) 2018-01-19

[21] **3,051,200**
[13] A1

[51] **Int.Cl. H04M 3/51 (2006.01) H04L 29/08 (2006.01) H04M 3/523 (2006.01)**
[25] EN
[54] **INTERMEDIARY DEVICE FOR DATA MESSAGE NETWORK ROUTING**
[54] **DISPOSITIF INTERMEDIAIRE POUR ROUTAGE DE RESEAU DE MESSAGES DE DONNEES**
[72] MCCARTHY-HOWE, THOMAS SPENCER, US
[72] BRANDT, GARY GEORGE, US
[71] TEN DIGIT COMMUNICATIONS LLC, US
[85] 2019-07-22
[86] 2018-01-19 (PCT/US2018/014443)
[87] (WO2018/136749)
[30] US (15/411,321) 2017-01-20
[30] US (15/692,706) 2017-08-31

[21] **3,051,201**
[13] A1

[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **INTERMEDIARY DEVICE FOR DATA MESSAGE NETWORK ROUTING**
[54] **DISPOSITIF INTERMEDIAIRE POUR ROUTAGE DE RESEAU DE MESSAGES DE DONNEES**
[72] MCCARTHY-HOWE, THOMAS SPENCER, US
[72] BRANDT, GARY GEORGE, US
[71] TEN DIGIT COMMUNICATIONS LLC, US
[85] 2019-07-22
[86] 2018-01-19 (PCT/US2018/014445)
[87] (WO2018/136750)
[30] US (15/411,424) 2017-01-20

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[21] **3,051,203**
[13] A1

[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/584 (2006.01)**
[25] EN
[54] **VISCOELASTIC SURFACTANT GEL FOR PERFORATION OPERATIONS**
[54] **GEL TENSIOACTIF VISCOELASTIQUE POUR OPERATIONS DE PERFORATION**
[72] MOTA, JOSE LUIS CARVALHO, US
[72] SHUMWAY, WILLIAM WALTER, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-07-22
[86] 2017-12-22 (PCT/US2017/068159)
[87] (WO2018/160260)
[30] US (62/466,828) 2017-03-03

[21] **3,051,205**
[13] A1

[51] **Int.Cl. C11D 1/825 (2006.01) B01D 17/04 (2006.01) C11B 13/00 (2006.01) C11C 3/00 (2006.01) C11D 1/66 (2006.01) C11D 1/74 (2006.01) C11D 11/04 (2006.01)**
[25] EN
[54] **SURFACTANT COMPOSITION**
[54] **COMPOSITION TENSIOACTIVE**
[72] CHEN, XIN, US
[72] WANG, MIN MA, US
[72] PENFIELD, KEVIN WADE, US
[71] CRODA, INC., US
[85] 2019-07-22
[86] 2018-01-08 (PCT/US2018/012751)
[87] (WO2018/140215)
[30] US (62/451,283) 2017-01-27

[21] **3,051,207**
[13] A1

[51] **Int.Cl. A01C 1/06 (2006.01) A01H 1/04 (2006.01) A01H 3/04 (2006.01)**
[25] EN
[54] **PROCESSES FOR THE PREPARATION OF TREATED SEEDS**
[54] **PROCEDES DE PREPARATION DE SEMENCES TRAITEES**
[72] BASLER, DARRELL ALLEN, US
[72] BREWER, DAMIEN DOUGLAS, US
[72] MIGLIAZZO, MICHAEL FRANCIS, US
[72] SEYER, DANIEL JAMES, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-07-22
[86] 2018-01-19 (PCT/US2018/014340)
[87] (WO2018/136692)
[30] US (62/449,065) 2017-01-22
[30] US (62/508,601) 2017-05-19
[30] US (62/585,112) 2017-11-13

[21] **3,051,208**
[13] A1

[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **MULTILAYER FILMS HAVING TUNABLE STRAIN HARDENING**
[54] **FILMS MULTICOUCHES A RHEODURCISSEMENT AJUSTABLE**
[72] LEE, EDWARD L., SG
[72] MA, ENG KIAN, MY
[72] PATEL, RAJEN M., US
[72] YAP, PETER, SG
[72] GOH, HWEE-LUN, SG
[72] SETYOGROHO, ADIT PRADHANA JAYUSMAN, ID
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] DOW CHEMICAL (MALAYSIA) SDN. BHD., MY
[71] PT DOW INDONESIA, ID
[85] 2019-07-22
[86] 2018-01-19 (PCT/US2018/014383)
[87] (WO2018/140308)
[30] US (62/450,774) 2017-01-26

[21] **3,051,220**
[13] A1

[51] **Int.Cl. B64C 29/00 (2006.01)**
[25] EN
[54] **VTOL AIRCRAFT HAVING DUCTED THRUST FROM A CENTRAL FAN**
[54] **AERONEF VTOL AYANT UNE POUSSEE CANALISEE A PARTIR D'UN VENTILATEUR CENTRAL**
[72] VEDAMANIKAM, MARAN JOHN, US
[71] VEDAMANIKAM, MARAN JOHN, US
[85] 2019-07-22
[86] 2018-01-20 (PCT/US2018/014596)
[87] (WO2018/136844)
[30] US (62/448,891) 2017-01-20

[21] **3,051,230**
[13] A1

[51] **Int.Cl. G01M 7/08 (2006.01) G01N 3/303 (2006.01)**
[25] EN
[54] **BALL DROP IRIS FOR VERTICAL IMPACT TESTING**
[54] **IRIS DE CHUTE DE BILLE POUR TEST D'IMPACT VERTICAL**
[72] PEDDLE, ROBERT T., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2019-07-22
[86] 2018-01-22 (PCT/US2018/014633)
[87] (WO2018/140340)
[30] US (15/414,424) 2017-01-24

[21] **3,051,237**
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 38/30 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CHOLESTEROL-RELATED DISEASES**
[54] **METHODES DE TRAITEMENT DE MALADIES LIEES AU CHOLESTEROL**
[72] BREWER, HOLLIS BRYAN, JR., US
[72] MATIN, MICHAEL M., US
[71] HDL THERAPEUTICS, INC., US
[85] 2019-07-22
[86] 2018-01-22 (PCT/US2018/014671)
[87] (WO2018/136866)
[30] US (62/449,416) 2017-01-23
[30] US (62/465,262) 2017-03-01
[30] US (62/516,100) 2017-06-06

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[13] A1

[51] **Int.Cl. G06K 7/10 (2006.01) G06Q 10/08 (2012.01) G06Q 50/28 (2012.01) G06K 19/07 (2006.01)**

[25] EN

[54] **SYSTEMS, DEVICES, AND METHODS FOR LABEL-FREE SHIPPING**

[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DESTINES A UNE EXPEDITION SANS ETIQUETTE**

[72] CANTRELL, ROBERT, US

[71] WALMART APOLLO, LLC, US

[85] 2019-07-22

[86] 2018-01-22 (PCT/US2018/014712)

[87] (WO2018/144262)

[30] US (62/453,382) 2017-02-01

[21] **3,051,239**
[13] A1

[51] **Int.Cl. G02B 5/18 (2006.01) G02B 27/00 (2006.01) G02B 27/22 (2018.01) G02F 1/1334 (2006.01) G03B 21/00 (2006.01)**

[25] EN

[54] **EYEPIECE FOR VIRTUAL, AUGMENTED, OR MIXED REALITY SYSTEMS**

[54] **OCULAIRE POUR SYSTEMES DE REALITE VIRTUELLE, AUGMENTEE OU MIXTE**

[72] KLUG, MICHAEL ANTHONY, US

[72] TEKOLSTE, ROBERT DALE, US

[72] WELCH, WILLIAM HUDSON, US

[72] BROWY, ERIC, US

[72] BHARGAVA, SAMARTH, US

[72] LIU, VICTOR KAI, US

[71] MAGIC LEAP, INC., US

[85] 2019-07-22

[86] 2018-01-22 (PCT/US2018/014735)

[87] (WO2018/136892)

[30] US (62/449,524) 2017-01-23

[21] **3,051,240**
[13] A1

[51] **Int.Cl. D01D 5/00 (2006.01) B82Y 30/00 (2011.01) D04H 1/728 (2012.01) A41D 31/00 (2019.01) A41D 31/02 (2019.01) B32B 5/26 (2006.01) D01D 7/00 (2006.01)**

[25] EN

[54] **GARMENT OR SUBSTRATE AND SYSTEMS AND METHODS FOR CREATION THEREOF**

[54] **VETEMENT OU SUBSTRAT ET SYSTEMES ET LEURS PROCEDES DE CREATION**

[72] DARDINSKI, ALEXANDER, US

[72] ALATI, EMILY, US

[72] LY, JOHN, US

[72] MASSEY, RYAN TAYLOR, US

[71] THE NORTH FACE APPAREL CORP., US

[85] 2019-07-22

[86] 2018-01-25 (PCT/US2018/015294)

[87] (WO2018/140631)

[30] US (62/450,952) 2017-01-26

[21] **3,051,241**
[13] A1

[51] **Int.Cl. G06N 5/02 (2006.01) G06N 99/00 (2019.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR COGNITIVE ENGINEERING TECHNOLOGY FOR AUTOMATION AND CONTROL OF SYSTEMS**

[54] **SYSTEME ET PROCEDE DE TECHNOLOGIE D'INGENIERIE COGNITIVE POUR AUTOMATISATION ET COMMANDE DE SYSTEMES**

[72] MARTINEZ CANEDO, ARQUIMEDES, US

[72] SRIVASTAVA, SANJEEV, US

[72] DALLORO, LIVIO, US

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2019-07-22

[86] 2018-01-23 (PCT/US2018/014757)

[87] (WO2018/140365)

[30] US (62/449,756) 2017-01-24

[21] **3,051,242**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01)**

[25] EN

[54] **POWER REGULATION FOR LIGHTING FIXTURES**

[54] **REGULATION DE PUISSANCE POUR APPAREILS D'ECLAIRAGE**

[72] FREER, BENJAMIN AVERY, US

[72] SCARLATA, ANDREW FRANCIS, US

[71] EATON INTELLIGENT POWER LIMITED, IE

[85] 2019-07-22

[86] 2018-01-25 (PCT/US2018/015322)

[87] (WO2018/140649)

[30] US (62/450,168) 2017-01-25

[21] **3,051,243**
[13] A1

[51] **Int.Cl. B28C 7/00 (2006.01) B28C 7/02 (2006.01) B28C 7/04 (2006.01)**

[25] EN

[54] **PARTICLE SIZE OPTIMIZED WHITE CEMENTITIOUS COMPOSITIONS**

[54] **COMPOSITIONS CIMENTAIRES BLANCHES OPTIMISEES EN GROSSEUR DE PARTICULES**

[72] GUYNN, JOHN M., US

[71] ROMAN CEMENT, LLC, US

[85] 2019-07-22

[86] 2018-01-26 (PCT/US2018/015567)

[87] (WO2018/140803)

[30] US (62/451,533) 2017-01-27

[21] **3,051,245**
[13] A1

[51] **Int.Cl. A61L 27/24 (2006.01) A61L 24/10 (2006.01) A61L 27/34 (2006.01) A61L 27/36 (2006.01)**

[25] EN

[54] **TISSUE MATRIX MATERIALS AND ENZYMATIC ADHESIVES**

[54] **MATERIAUX DE MATRICE TISSULAIRE ET ADHESIFS ENZYMATIQUES**

[72] STEC, ERIC, US

[72] POMERLEAU, MING F., US

[72] OWENS, RICK T., US

[72] SEEMAN, RICHARD, US

[71] LIFECCELL CORPORATION, US

[85] 2019-07-22

[86] 2018-01-29 (PCT/US2018/015685)

[87] (WO2018/140854)

[30] US (62/452,014) 2017-01-30

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[13] A1

[51] **Int.Cl. E02F 3/36 (2006.01)**
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[54] **REAR ATTACHMENT ASSEMBLY FOR SKID LOADERS**
[54] **ENSEMBLE DE FIXATION ARRIERE POUR CHARGEURS A DIRECTION A GLISSEMENT**
[72] KARSHNER, JEFF, US
[71] ALLSTAR BOBCAT, US
[71] KARSHNER, JEFF, US
[85] 2019-07-22
[86] 2018-01-30 (PCT/US2018/015927)
[87] (WO2018/140937)
[30] US (62/452,131) 2017-01-30
[30] US (62/465,415) 2017-03-01
[30] US (62/531,088) 2017-07-11
[30] US (62/595,569) 2017-12-06

[21] **3,051,248**
[13] A1

[51] **Int.Cl. H04B 7/155 (2006.01)**
[25] EN
[54] **REDUCING OSCILLATION IN A SIGNAL BOOSTER**
[54] **REDUCTION DES OSCILLATIONS DANS UN AMPLIFICATEUR DE SIGNAL**
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] ZOLTAN, MIKLOS, US
[72] COOK, PATRICK LEE, US
[71] WILSON ELECTRONICS, LLC, US
[85] 2019-07-22
[86] 2018-01-31 (PCT/US2018/016300)
[87] (WO2018/144639)
[30] US (62/452,907) 2017-01-31

[21] **3,051,251**
[13] A1

[51] **Int.Cl. C08L 91/00 (2006.01) C04B 18/16 (2006.01) C04B 26/26 (2006.01) C08L 95/00 (2006.01) E01C 1/00 (2006.01) E01C 7/35 (2006.01)**
[25] EN
[54] **BITUMINOUS EMULSIONS CONTAINING STEROL ADDITIVE FOR ASPHALT PAVEMENT**
[54] **EMULSIONS BITUMINEUSES CONTENANT UN ADDITIF STEROLIQUE POUR CHAUSSEE ASPHALTEE**
[72] REINKE, GERALD H., US
[72] BAUMGARDNER, GAYLON L., US
[72] HANZ, ANDREW, US
[71] A.L.M HOLDING COMPANY, US
[71] ERGON ASPHALT & EMULSIONS, INC., US
[85] 2019-07-22
[86] 2018-02-01 (PCT/US2018/016451)
[87] (WO2018/144731)
[30] US (62/453,882) 2017-02-02

[21] **3,051,252**
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01)**
[25] EN
[54] **IMMUNOMODULATORY THERAPEUTIC MRNA COMPOSITIONS ENCODING ACTIVATING ONCOGENE MUTATION PEPTIDES**
[54] **COMPOSITIONS THERAPEUTIQUES IMMUNOMODULATRICES D'ARNM CODANT POUR DES PEPTIDES DE MUTATION D'ACTIVATION D'ONCOGENES**
[72] HUANG, ERIC YI-CHUN, US
[72] TSE, SZE-WAH, US
[72] IACOVELLI, JARED, US
[72] MCKINNEY, KRISTINE, US
[72] VALIANTE, NICHOLAS, US
[71] MODERNATX, INC., US
[85] 2019-07-22
[86] 2018-02-01 (PCT/US2018/016510)
[87] (WO2018/144775)
[30] US (62/453,465) 2017-02-01
[30] US (62/467,063) 2017-03-03
[30] US (62/490,523) 2017-04-26
[30] US (62/541,571) 2017-08-04

[21] **3,051,253**
[13] A1

[51] **Int.Cl. A61L 27/18 (2006.01) C08G 63/52 (2006.01) C08G 63/676 (2006.01) C08G 63/78 (2006.01) C08G 63/90 (2006.01) C08G 63/91 (2006.01) C08L 63/10 (2006.01)**
[25] EN
[54] **FUNCTIONALIZED POLY(PROPYLENE FUMARATE) POLYMERS MADE BY RING OPENING POLYMERIZATION USING MAGNESIUM CATALYSTS**
[54] **POLYMERES DE POLY(PROPYLENE FUMARATE) FONCTIONNALISES FABRIQUES PAR POLYMERISATION PAR OUVERTURE DE CYCLE A L'AIDE DE CATALYSEURS AU MAGNESIUM**
[72] BECKER, MATTHEW, US
[72] WILSON, ALEXANDER, GB
[72] CHEN, YUSHENG, US
[71] THE UNIVERSITY OF AKRON, US
[85] 2019-07-22
[86] 2018-02-02 (PCT/US2018/016627)
[87] (WO2018/144849)
[30] US (62/453,724) 2017-02-02
[30] US (62/453,786) 2017-02-02
[30] US (62/500,777) 2017-05-03
[30] US (62/509,340) 2017-05-22
[30] US (62/541,889) 2017-08-07
[30] US (62/561,722) 2017-09-22

[21] **3,051,255**
[13] A1

[51] **Int.Cl. H04B 7/155 (2006.01) H04B 17/318 (2015.01)**
[25] EN
[54] **INDEPENDENT BAND DETECTION FOR NETWORK PROTECTION**
[54] **DETECTION DE BANDES INDEPENDANTES POUR PROTECTION DE RESEAU**
[72] NORDGRAN, CASEY JAMES, US
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] COOK, PATRICK LEE, US
[71] WILSON ELECTRONICS, LLC, US
[85] 2019-07-22
[86] 2018-02-02 (PCT/US2018/016733)
[87] (WO2018/144939)
[30] US (62/453,904) 2017-02-02
[30] US (62/569,337) 2017-10-06

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[21] **3,051,256**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61F 13/42 (2006.01) G01N 27/00 (2006.01) G01N 27/12 (2006.01) G01N 27/327 (2006.01) H01M 4/36 (2006.01)**

[25] EN

[54] **ASSEMBLY OF HARNESS AND SENSOR SUBSTRATE PLATES**

[54] **ENSEMBLE PLAQUES DE SUBSTRAT DE HARNAIS ET DE CAPTEUR**

[72] KUENZL, RODNEY, US

[72] YOUNG, ROBERT L., US

[72] MERRICK, WILLIAM, US

[72] SAUNDERS, JAMES STUART, US

[72] JASINSKI, KEITH, US

[72] GROSS, SCHON A., US

[71] SENTIER HC LLC, US

[85] 2019-07-22

[86] 2018-02-05 (PCT/US2018/016800)

[87] (WO2018/144972)

[30] US (62/454,275) 2017-02-03

[30] US (62/454,279) 2017-02-03

[30] US (62/558,227) 2017-09-13

[21] **3,051,257**
[13] A1

[51] **Int.Cl. H04N 1/32 (2006.01)**

[25] EN

[54] **HIGH-DEFINITION FACSIMILE ROUTING**

[54] **ROUTAGE DE TELECOPIE HAUTE DEFINITION**

[72] HO, SHU-KUANG, US

[72] MAINEMER, CARLOS, US

[71] BISCOM INC., US

[85] 2019-07-22

[86] 2018-02-05 (PCT/US2018/016831)

[87] (WO2018/156340)

[30] US (62/462,271) 2017-02-22

[30] US (15/469,167) 2017-03-24

[21] **3,051,258**
[13] A1

[51] **Int.Cl. A61B 1/005 (2006.01) A61B 34/30 (2016.01) A61B 17/00 (2006.01) G02B 27/01 (2006.01)**

[25] EN

[54] **VIRTUAL REALITY SURGICAL TOOLS SYSTEM**

[54] **SYSTEME D'INSTRUMENTS CHIRURGICAUX A REALITE VIRTUELLE**

[72] WANG, DANIEL, US

[72] KHALIFA, SAMMY, US

[72] SACHS, ADAM, US

[71] VICARIOUS SURGICAL INC., US

[85] 2019-07-22

[86] 2018-02-08 (PCT/US2018/017400)

[87] (WO2018/148394)

[30] US (62/456,926) 2017-02-09

[30] US (62/532,054) 2017-07-13

[21] **3,051,261**
[13] A1

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

[25] EN

[54] **VOLUME-BASED FLOW RATE COMPENSATION TECHNIQUE FOR INFUSION THERAPY**

[54] **TECHNIQUE DE COMPENSATION DE DEBIT BASEE SUR LE VOLUME POUR UNE THERAPIE PAR PERFUSION**

[72] HOPKINS, PATRICK MICHAEL, US

[72] WEBER, HARRY JOHN, US

[72] SUN, HAONAN, US

[71] BAXTER HEALTHCARE SA, CH

[71] BAXTER INTERNATIONAL INC., US

[85] 2019-07-22

[86] 2018-02-08 (PCT/US2018/017447)

[87] (WO2018/148427)

[30] US (62/457,648) 2017-02-10

[21] **3,051,262**
[13] A1

[51] **Int.Cl. A61K 38/51 (2006.01) A61K 45/00 (2006.01) A61P 3/00 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **ENGINEERED PHENYLALANINE AMMONIA LYASE POLYPEPTIDES**

[54] **POLYPEPTIDES DE PHENYLALANINE AMMONIA-LYASE MODIFIES**

[72] CHNG, CHINPING, US

[72] HALLOWS, WILLIAM CASEY, US

[72] AGARD, NICHOLAS J., US

[72] ALVIZO, OSCAR, US

[72] DELLAS, NIKKI, US

[72] HUISMAN, GJALT W., US

[72] NICOLS, JOHN JOSEPH, US

[71] CODEXIS, INC., US

[85] 2019-07-22

[86] 2018-02-12 (PCT/US2018/017773)

[87] (WO2018/148633)

[30] US (62/458,232) 2017-02-13

[30] US (62/565,555) 2017-09-29

[21] **3,051,264**
[13] A1

[51] **Int.Cl. G01N 35/00 (2006.01) G06Q 10/08 (2012.01) G05D 3/00 (2006.01) G01N 15/10 (2006.01)**

[25] EN

[54] **A DIAGNOSTIC TEST READER SYSTEM**

[54] **SYSTEME DE LECTEURS DE TESTS DE DIAGNOSTIC**

[72] BAU-MADSEN, NIELS KRISTIAN, DK

[72] KRING, OLE, DK

[71] ZOETIS SERVICES LLC, US

[85] 2019-07-22

[86] 2018-02-14 (PCT/US2018/018097)

[87] (WO2018/156395)

[30] US (62/461,316) 2017-02-21

PCT Applications Entering the National Phase

[21] **3,051,265**
[13] A1

[51] **Int.Cl. C09K 8/467 (2006.01) C04B 7/02 (2006.01) C04B 28/16 (2006.01) C04B 40/00 (2006.01)**

[25] EN

[54] **THICKENING TIME AID**

[54] **MODIFICATEUR DE TEMPS D'EPAISSISSEMENT**

[72] LOPEZ, ENRIQUE, US

[72] NELSON, TYLER HEATH, US

[72] NEUFELD, JOHN, US

[71] SOLVAY USA INC., US

[85] 2019-07-22

[86] 2018-02-15 (PCT/US2018/018304)

[87] (WO2018/152287)

[30] US (62/459,196) 2017-02-15

[21] **3,051,266**
[13] A1

[51] **Int.Cl. H02B 1/32 (2006.01)**

[25] EN

[54] **MOUNTING PLATE ASSEMBLY FOR A SWITCHGEAR CABINET**

[54] **ENSEMBLE PLAQUE DE MONTAGE POUR ARMOIRE DE COMMANDE**

[72] BOEHME, SIEGFRIED, DE

[72] HOLIGHAUS, HEIKO, DE

[71] RITTAL GMBH & CO. KG, DE

[85] 2019-07-23

[86] 2018-02-15 (PCT/DE2018/100139)

[87] (WO2018/192607)

[30] DE (10 2017 108 523.8) 2017-04-21

[21] **3,051,267**
[13] A1

[51] **Int.Cl. F24F 11/00 (2018.01) F24F 5/00 (2006.01)**

[25] EN

[54] **HVAC CONTROL SYSTEM WITH USER INTERFACE PROVIDED BY A MOBILE WIRELESS DEVICE**

[54] **SYSTEME DE COMMANDE DE SYSTEME CVC AVEC INTERFACE UTILISATEUR FOURNIE PAR UN DISPOSITIF SANS FIL MOBILE**

[72] GONIA, PATRICK, US

[72] JUNTUNEN, ROBERT D., US

[71] ADEMCO INC., US

[85] 2018-12-07

[86] 2017-06-06 (PCT/US2017/036173)

[87] (WO2017/214163)

[30] US (15/179,553) 2016-06-10

[21] **3,051,268**
[13] A1

[51] **Int.Cl. A61K 8/37 (2006.01) A61Q 13/00 (2006.01)**

[25] EN

[54] **MALODOR COUNTERACTANT COMPOSITION AND METHODS**

[54] **COMPOSITION DE NEUTRALISATION DES MAUVAISES ODEURS ET METHODES**

[72] FIELDS, MARVEL, US

[72] NERO, RICHARD, US

[72] ORSON, STEVE, US

[72] SIEGEL, ROBERT, US

[72] KOCIS, JOHN, US

[71] BELL FLAVORS & FRAGRANCES, INC., US

[85] 2019-04-08

[86] 2017-11-20 (PCT/US2017/062509)

[87] (WO2018/094314)

[30] US (62/424,975) 2016-11-21

[21] **3,051,270**
[13] A1

[51] **Int.Cl. A61K 36/18 (2006.01) A23B 4/20 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **TERMINALIA FERDINANDIANA LEAF EXTRACT AND PRODUCTS CONTAINING EXTRACT OF TERMINALIA FERDINANDIANA LEAF**

[54] **EXTRAIT DE FEUILLE DE TERMINALIA FERDINANDIANA ET PRODUITS CONTENANT UN EXTRAIT DE FEUILLE DE TERMINALIA FERDINANDIANA**

[72] COCK, IAN EDWIN, AU

[72] BOEHME, DAVID JOHN, AU

[72] MILES, ROSLYN ANNE, AU

[71] RISING PHOENIX INDUSTRIES PTY LTD, AU

[85] 2019-07-23

[86] 2018-02-08 (PCT/AU2018/050096)

[87] (WO2018/145159)

[30] AU (2017900391) 2017-02-08

[21] **3,051,276**
[13] A1

[51] **Int.Cl. A61B 5/11 (2006.01) A61B 5/103 (2006.01)**

[25] EN

[54] **GAIT PROFILER SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE PROFILAGE DE DEMARCHE**

[72] ZOSO, NATHANIEL, CA

[72] THIAUX, VICTORIEN, CA

[72] BOUCHARD, KEVIN, CA

[72] LAVOIE, HUGUES, CA

[72] BILODEAU, KATIA, CA

[71] B-TEMIA INC., CA

[85] 2019-07-23

[86] 2017-01-25 (PCT/CA2017/000016)

[87] (WO2018/137016)

[30] US (62/286,902) 2016-01-25

[21] **3,051,277**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/14 (2006.01) A61K 47/02 (2006.01) A61K 47/12 (2006.01) A61K 47/32 (2006.01)**

[25] EN

[54] **IMPROVED COMPOSITIONS AND METHODS FOR REDUCING OVERDOSE**

[54] **COMPOSITIONS AMELIOREES ET PROCEDES POUR REDUIRE UNE SURDOSE**

[72] ODIDI, ISA, CA

[71] ODIDI, ISA, CA

[85] 2019-07-23

[86] 2017-01-27 (PCT/CA2017/050098)

[87] (WO2018/137018)

[21] **3,051,285**
[13] A1

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

[25] EN

[54] **INFORMATION TRANSMISSION METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE TRANSMISSION D'INFORMATIONS**

[72] ZHANG, XI, CN

[72] XU, MINGHUI, CN

[72] CHEN, LEI, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-07-23

[86] 2018-06-12 (PCT/CN2018/090913)

[87] (WO2018/228400)

[30] CN (201710444084.1) 2017-06-13

[30] CN (201710920235.6) 2017-09-30

Demandes PCT entrant en phase nationale

[21] **3,051,286**
[13] A1

[51] **Int.Cl. B60B 33/00 (2006.01) A61G 5/10 (2006.01)**

[25] EN

[54] **WHEELCHAIR CASTER ASSEMBLY WITH ANTI-FLUTTER FEATURE**

[54] **ENSEMBLE ROULETTE DE FAUTEUIL ROULANT A CARACTERISTIQUE ANTI-FLOTTEMENT**

[72] GINGRAS, DAVID, CA

[72] COUTURE, PIERRE-ANDRE, CA

[72] ARCHAMBAULT BERUBE, MICHAEL, CA

[71] MOTION COMPOSITES INC., CA

[85] 2019-07-23

[86] 2018-01-26 (PCT/CA2018/050093)

[87] (WO2018/137038)

[30] US (62/450,742) 2017-01-26

[21] **3,051,289**
[13] A1

[51] **Int.Cl. F03B 3/02 (2006.01) F03B 3/00 (2006.01) F03B 3/12 (2006.01) F03B 11/00 (2006.01)**

[25] EN

[54] **RUNNER FOR A HYDRAULIC TURBINE OR PUMP**

[54] **GLISSIERE POUR UNE TURBINE OU POMPE HYDRAULIQUE**

[72] DUNBAR, KENNETH, US

[72] MC GINNIS, DANIEL, US

[72] SEIFARTH, JOHN, US

[72] KOTZMAN, BENJAMIN, US

[71] VOITH PATENT GMBH, DE

[85] 2019-07-23

[86] 2017-12-06 (PCT/EP2017/081658)

[87] (WO2018/137820)

[30] US (62/449,835) 2017-01-24

[21] **3,051,290**
[13] A1

[51] **Int.Cl. F03B 3/02 (2006.01) F03B 11/00 (2006.01)**

[25] EN

[54] **RADIAL FLOW RUNNER FOR A HYDRAULIC MACHINE**

[54] **ROUE D'ECOULEMENT RADIAL POUR UNE MACHINE HYDRAULIQUE**

[72] COULSON, STUART, US

[72] DUNBAR, KENNETH, US

[72] KOTZMAN, BENJAMIN, US

[72] SEIFARTH, JOHN, US

[72] MC GINNIS, DANIEL, US

[71] VOITH PATENT GMBH, DE

[85] 2019-07-23

[86] 2017-12-06 (PCT/EP2017/081659)

[87] (WO2018/137821)

[30] US (62/449,835) 2017-01-24

[30] US (62/519,472) 2017-06-14

[21] **3,051,293**
[13] A1

[51] **Int.Cl. A61K 38/39 (2006.01) C07K 7/06 (2006.01)**

[25] EN

[54] **PEPTIDE MODULATORS OF THE INTERACTION BETWEEN HUMAN C-PEPTIDE AND HUMAN ELASTIN RECEPTOR FOR THERAPEUTIC USE**

[54] **MODULATEURS PEPTIDIQUES DE L'INTERACTION ENTRE LE PEPTIDE C HUMAIN ET LE RECEPTEUR D'ELASTINE HUMAINE A USAGE THERAPEUTIQUE**

[72] WENSVOORT, GERT, NL

[71] BIOTEMPT B.V., NL

[85] 2019-07-23

[86] 2018-02-05 (PCT/EP2018/052822)

[87] (WO2018/141969)

[30] EP (17154889.4) 2017-02-06

[21] **3,051,299**
[13] A1

[51] **Int.Cl. F03B 3/02 (2006.01) F03B 11/00 (2006.01)**

[25] EN

[54] **HYDRAULIC MACHINE COMPRISING A RADIAL FLOW RUNNER**

[54] **MACHINE HYDRAULIQUE COMPRENANT UNE ROUE A ECOULEMENT RADIAL**

[72] COULSON, STUART, US

[71] VOITH PATENT GMBH, DE

[85] 2019-07-23

[86] 2017-12-06 (PCT/EP2017/081661)

[87] (WO2018/137822)

[30] US (62/449,835) 2017-01-24

[30] US (62/519,472) 2017-06-14

[30] US (62/545,135) 2017-08-14

[21] **3,051,301**
[13] A1

[51] **Int.Cl. C08J 3/00 (2006.01) C08J 3/11 (2006.01) C08J 3/12 (2006.01)**

[25] EN

[54] **PROCESS FOR MANUFACTURING PARTICLES COMPRISING POLYLACTIC ACID**

[54] **PROCEDE DE FABRICATION DE PARTICULES COMPRENANT DE L'ACIDE POLYLACTIQUE**

[72] GOBIUS DU SART, GERRIT, NL

[72] DE VOS, SIEBE CORNELIS, NL

[72] VAN DOORN, TACO PASCAL, NL

[71] PURAC BIOCHEM BV, NL

[85] 2019-07-23

[86] 2018-01-31 (PCT/EP2018/052379)

[87] (WO2018/141781)

[30] EP (17154402.6) 2017-02-02

PCT Applications Entering the National Phase

[21] **3,051,303**
[13] A1

[51] **Int.Cl. H01S 5/02 (2006.01) H01S 5/04 (2006.01) H01S 5/042 (2006.01) H01S 5/183 (2006.01) H01S 5/20 (2006.01) H01S 5/34 (2006.01) H01S 5/343 (2006.01) H01S 5/40 (2006.01) H01S 5/42 (2006.01)**

[25] EN

[54] **LASERS OR LEDS BASED ON NANOWIRES GROWN ON GRAPHENE TYPE SUBSTRATES**

[54] **DISPOSITIF**

[72] FIMLAND, BJORN OVE MYKING, NO

[72] WEMAN, HELGE, CH

[72] REN, DINGDING, NO

[71] NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), NO

[85] 2019-07-23

[86] 2018-02-05 (PCT/EP2018/052836)

[87] (WO2018/141974)

[30] GB (1701829.2) 2017-02-03

[21] **3,051,308**
[13] A1

[51] **Int.Cl. G05D 16/20 (2006.01)**

[25] EN

[54] **PRESSURIZATION SYSTEM FOR HIGH PRESSURE PROCESSING SYSTEM**

[54] **SYSTEME DE MISE SOUS PRESSION POUR SYSTEME DE TRAITEMENT A HAUTE PRESSION**

[72] IVERSEN, STEEN
BRUMMERSTEDT, DK

[72] EGHOLM, HENRIK, DK

[71] STEEPER ENERGY APS, DK

[85] 2019-07-23

[86] 2018-02-08 (PCT/EP2018/053175)

[87] (WO2018/146193)

[30] DK (PA201770076) 2017-02-08

[21] **3,051,309**
[13] A1

[51] **Int.Cl. G05D 16/20 (2006.01) F04D 13/00 (2006.01) F15B 13/00 (2006.01)**

[25] EN

[54] **PRESSURE REDUCTION IN HIGH PRESSURE PROCESSING SYSTEM**

[54] **REDUCTION DE PRESSION DANS UN SYSTEME DE TRAITEMENT DE HAUTE PRESSION**

[72] IVERSEN, STEEN
BRUMMERSTEDT, DK

[72] EGHOLM, HENRIK, DK

[71] STEEPER ENERGY APS, DK

[85] 2019-07-23

[86] 2018-02-08 (PCT/EP2018/053179)

[87] (WO2018/146195)

[30] DK (PA201770074) 2017-02-08

[21] **3,051,312**
[13] A1

[51] **Int.Cl. H01R 4/36 (2006.01) H01R 12/51 (2011.01) H01R 12/75 (2011.01)**

[25] EN

[54] **CONNECTOR FOR PRINTED CIRCUIT BOARDS**

[54] **CONNECTEUR POUR CARTES DE CIRCUITS IMPRIMES**

[72] FAVERO, SANTINO, IT

[72] BORELLA, RAFFAELE, IT

[71] SAURO S.R.L., IT

[85] 2019-07-23

[86] 2018-02-08 (PCT/EP2018/053192)

[87] (WO2018/149733)

[30] IT (102017000015793) 2017-02-14

[21] **3,051,314**
[13] A1

[51] **Int.Cl. C12Q 1/6851 (2018.01) C12Q 1/6881 (2018.01)**

[25] EN

[54] **IMPROVED METHOD FOR EPIGENETIC IMMUNE CELL COUNTING**

[54] **PROCEDE AMELIORE DE COMPTAGE EPIGENETIQUE DE CELLULES IMMUNITAIRES**

[72] OLEK, SVEN, DE

[71] EPIONTIS GMBH, DE

[85] 2019-07-23

[86] 2018-02-08 (PCT/EP2018/053206)

[87] (WO2018/146209)

[30] EP (17155496.7) 2017-02-09

[21] **3,051,319**
[13] A1

[51] **Int.Cl. A61B 18/18 (2006.01)**

[25] EN

[54] **ELECTROSURGICAL APPARATUS FOR TISSUE ABLATION**

[54] **APPAREIL ELECTROCHIRURGICAL POUR ABLATION DE TISSU**

[72] HANCOCK, CHRISTOPHER PAUL, GB

[72] BURN, PATRICK, GB

[72] CAMPION, CHARLIE, GB

[72] TURNER, LOUIS, GB

[71] CREO MEDICAL LIMITED, GB

[85] 2019-07-23

[86] 2018-05-03 (PCT/EP2018/061316)

[87] (WO2018/202758)

[30] GB (1707112.7) 2017-05-04

[21] **3,051,320**
[13] A1

[51] **Int.Cl. H05B 3/12 (2006.01) A24F 47/00 (2006.01) H05B 3/22 (2006.01)**

[25] EN

[54] **HEATING ELEMENT AND METHOD OF ANALYSING**

[54] **ELEMENT CHAUFFANT ET PROCEDE D'ANALYSE**

[72] ROTHWELL, HOWARD, GB

[71] NICOVENTURES HOLDINGS LIMITED, GB

[85] 2019-07-23

[86] 2018-01-30 (PCT/GB2018/050253)

[87] (WO2018/142114)

[30] GB (1701634.6) 2017-02-01

[21] **3,051,322**
[13] A1

[51] **Int.Cl. H05B 3/12 (2006.01) A24F 47/00 (2006.01) H05B 3/22 (2006.01)**

[25] EN

[54] **HEATING ELEMENT SELECTION METHOD**

[54] **PROCEDE DE SELECTION D'ELEMENT CHAUFFANT**

[72] ROTHWELL, HOWARD, GB

[71] NICOVENTURES HOLDINGS LIMITED, GB

[85] 2019-07-23

[86] 2018-01-30 (PCT/GB2018/050254)

[87] (WO2018/142115)

[30] GB (1701633.8) 2017-02-01

Demandes PCT entrant en phase nationale

[21] **3,051,323**

[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01) A61M
5/315 (2006.01)**

[25] EN

[54] **DOSE CONTROL SYSTEM FOR
INJECTABLE-DRUG DELIVERY
DEVICES AND ASSOCIATED
METHODS OF USE**

[54] **SYSTEME DE COMMANDE DE
DOSE POUR DISPOSITIFS
D'ADMINISTRATION DE
MEDICAMENTS INJECTABLES
ET PROCEDES D'UTILISATION
ASSOCIES**

[72] ALDON, LIONEL, FR

[72] MARCOZ, ALAIN, FR

[71] BIOCORP PRODUCTION S.A., FR

[85] 2019-07-25

[86] 2017-01-25 (PCT/IB2017/000306)

[87] (WO2018/138542)

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Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **2,980,904**
[13] A1

[51] **Int.Cl. B64F 1/00 (2006.01) B64C 39/02 (2006.01) B64D 45/04 (2006.01) B64F 1/02 (2006.01) B64F 1/12 (2006.01)**

[25] EN

[54] **UNMANNED AERIAL VEHICLE (UAV) RECHARGING/REFUELLING STATION**

[54] **POSTE DE RECHARGE/AVITAILLEMENT D'UN VEHICULE AERIEN SANS PILOTE**

[72] WRIGHT, COLIN, CA
[71] WRIGHT, COLIN, CA
[22] 2017-09-29
[41] 2019-03-29

[21] **2,989,925**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61J 1/14 (2006.01) A61J 1/20 (2006.01) A61K 9/08 (2006.01) A61K 9/10 (2006.01) B01F 3/12 (2006.01)**

[25] EN

[54] **DRUG DELIVERY DEVICE FOR PHARMACEUTICAL COMPOSITIONS**

[54] **DISPOSITIF DE DISTRIBUTION DE MEDICAMENT DESTINE A DES COMPOSITIONS PHARMACEUTIQUES**

[72] KUMAR, ASHISH, IN
[72] RAMARAJU, KALAISELVAN, IN
[72] SINGH, ROMI BARAT, IN
[72] MITTAL, BHUPESH KUMAR, IN
[72] BHARGAVA, RAHUL, IN
[72] MITTAL, MOHIT, IN
[71] KUMAR, ASHISH, IN
[71] RAMARAJU, KALAISELVAN, IN
[71] SINGH, ROMI BARAT, IN
[71] MITTAL, BHUPESH KUMAR, IN
[71] BHARGAVA, RAHUL, IN
[71] MITTAL, MOHIT, IN
[22] 2017-12-22
[41] 2019-06-22

[21] **2,989,926**
[13] A1

[51] **Int.Cl. A61K 47/44 (2017.01) A61K 9/10 (2006.01) A61K 33/00 (2006.01) A61K 36/00 (2006.01) A61K 47/14 (2017.01) A61K 47/46 (2006.01) A61P 7/00 (2006.01) A61P 17/02 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **NON-CARCINOGENIC CREAM FOR DELIVERY OF ACTIVE INGREDIENT INTO THE DERMIS**

[54] **CREME NON CANCEROGENE DESTINEE A LA LIBERATION D'INGREDIENT ACTIF DANS LE DERMIS**

[72] GLEN, SAMUEL, CA
[72] JOHNSTON, BARBARA J., CA
[72] THERRIEN BERTHIAUME, LYNDA, CA
[72] SHARMA, MOLLY, CA
[71] PRODUITS NATURASENCE INC., CA
[22] 2017-12-22
[41] 2019-06-22

[21] **2,989,928**
[13] A1

[51] **Int.Cl. E04C 3/02 (2006.01) E04B 1/64 (2006.01) E04B 1/66 (2006.01) E04F 19/00 (2006.01) E06B 1/04 (2006.01) E06B 7/16 (2006.01)**

[25] EN

[54] **WRAPS FOR STEEL LINTELS**

[54] **ATTACHES DESTINEES A DES LINTEAUX EN ACIER**

[72] DIVITO, BRUNO, CA
[72] SCARATI, MANUELE, CA
[71] ANGLE WRAP LTD., CA
[22] 2017-12-22
[41] 2019-06-22

[21] **2,989,929**
[13] A1

[51] **Int.Cl. C09K 3/00 (2006.01) C02F 1/66 (2006.01) C02F 5/08 (2006.01) C09K 8/528 (2006.01) C09K 8/72 (2006.01) C23G 1/02 (2006.01)**

[25] EN

[54] **NOVEL MODIFIED ACID COMPOSITIONS AS ALTERNATIVES TO CONVENTIONAL ACIDS IN THE OIL AND GAS INDUSTRY**

[54] **COMPOSITIONS D'ACIDE MODIFIE NOVATRICES COMME SOLUTIONS DE REMPLACEMENT AUX ACIDES CONVENTIONNELS DANS L'INDUSTRIE DU PETROLE ET DU GAZ**

[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[71] FLUID ENERGY GROUP LTD., CA
[22] 2017-12-22
[41] 2019-06-22

[21] **3,048,573**
[13] A1

[51] **Int.Cl. F03D 9/25 (2016.01) F03D 13/20 (2016.01) F03D 3/00 (2006.01)**

[25] EN

[54] **WIND TURBINE WITH SUPPORTING RAIL**

[54] **EOLIENNE EQUIPEE D'UN RAIL DE SOUTIEN**

[72] RODWAY, GILES, GB
[72] JOACHIM, KURT, GB
[71] SPINETIC ENERGY LIMITED, GB
[22] 2016-11-30
[41] 2017-06-15
[62] 3,007,044
[30] GB (1521927.2) 2015-12-12

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,049,901**
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PERFORMING AN AUTOMATIC AND SELF-GUIDED MEDICAL EXAMINATION**
[54] **SYSTEME ET PROCEDE PERMETTANT D'EXECUTER UN EXAMEN MEDICAL AUTOMATIQUE ET AUTOGUIDE**
[72] GILAD-GILOR, DAVID, IL
[71] TYTO CARE LTD., IL
[22] 2012-02-16
[41] 2012-08-23
[62] 2,827,523
[30] US (61/443,767) 2011-02-17

[21] **3,050,137**
[13] A1

[51] **Int.Cl. B64C 29/02 (2006.01) B64C 27/08 (2006.01) B64C 27/26 (2006.01) B64C 39/00 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **ROTOR ASSEMBLY HAVING THRUST VECTORING CAPABILITIES**
[54] **ASSEMBLAGE DE ROTOR AYANT DES CAPACITES DE GUIDAGE DE POUSSEE**
[72] OLDROYD, PAUL K., US
[72] MCCULLOUGH, JOHN RICHARD, US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-06-30
[41] 2018-01-01
[62] 2,972,527
[30] US (15/200,163) 2016-07-01
[30] US (15/606,242) 2017-05-26

[21] **3,050,392**
[13] A1

[51] **Int.Cl. H04M 3/523 (2006.01) G06Q 10/04 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ROUTING CALLERS TO AN AGENT IN A CONTACT CENTER**
[54] **SYSTEMES ET PROCEDES POUR ROUTER DES APPELANTS VERS UN AGENT DANS UN CENTRE DE CONTACT**
[72] CHISHTI, ZIA, US
[72] JONES, CHRIS W., US
[72] SPOTTISWOODE, STUART J., US
[71] AFFINITI EUROPE TECHNOLOGIES LIMITED, GB
[22] 2008-09-19
[41] 2009-08-06
[62] 2,713,526
[30] US (12/180,382) 2008-07-25
[30] US (12/021,251) 2008-01-28

[21] **3,050,395**
[13] A1

[51] **Int.Cl. G05D 1/02 (2006.01) B66F 9/06 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **TAG LAYOUT FOR INDUSTRIAL VEHICLE OPERATION**
[54] **DISPOSITION D'ETIQUETTES POUR EXPLOITATION DE VEHICULES INDUSTRIELS**
[72] WALTON, DANIEL D., US
[72] SHERMAN, NICHOLAS J., US
[71] CROWN EQUIPMENT CORPORATION, US
[22] 2016-05-06
[41] 2016-11-10
[62] 2,984,796
[30] US (62/157,860) 2015-05-06
[30] US (62/157,863) 2015-05-06

[21] **3,050,429**
[13] A1

[51] **Int.Cl. C08G 77/42 (2006.01) C08L 83/10 (2006.01) C08G 79/04 (2006.01)**
[25] EN
[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
[72] NOWAK, ANDREW P., US
[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[71] THE BOEING COMPANY, US
[22] 2015-07-02
[41] 2016-01-11
[62] 2,896,122
[30] US (14/329,885) 2014-07-11

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **3,050,448**
[13] A1

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06F 3/0488 (2013.01) G06F 3/14 (2006.01)**

[25] EN

[54] **METHODS AND GRAPHICAL USER INTERFACES FOR EDITING ON A MULTIFUNCTION DEVICE WITH A TOUCH SCREEN DISPLAY**

[54] **PROCEDES ET INTERFACES UTILISATEURS GRAPHIQUES PERMETTANT DE REALISER DES MODIFICATIONS SUR UN DISPOSITIF MULTIFONCTIONS POURVU D'UN ECRAN D'AFFICHAGE TACTILE**

[72] ORDING, BAS, US
[72] KOCIENDA, KENNETH L., US
[72] MOORE, BRADFORD ALLEN, US
[72] ANZURES, FREDDY ALLEN, US
[72] VAN OS, MARCEL, US
[72] WILLIAMSON, RICHARD, US
[72] FORSTALL, SCOTT, US
[72] LEMAY, STEPHEN O., US
[71] APPLE INC., US
[22] 2010-03-11
[41] 2010-09-23
[62] 2,927,608
[30] US (61/160,698) 2009-03-16
[30] US (12/565,753) 2009-09-24
[30] US (12/565,754) 2009-09-24
[30] US (12/565,756) 2009-09-24
[30] US (12/565,752) 2009-09-24
[30] US (12/565,750) 2009-09-24
[30] US (12/565,759) 2009-09-24
[30] US (12/565,755) 2009-09-24
[30] US (12/565,757) 2009-09-24
[30] US (12/565,760) 2009-09-24
[30] US (12/565,751) 2009-09-24

[21] **3,050,453**
[13] A1

[51] **Int.Cl. A61K 33/26 (2006.01) A61K 31/194 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL-GRADE FERRIC ORGANIC COMPOUNDS, USES THEREOF AND METHODS OF MAKING SAME**

[54] **COMPOSES ORGANIQUES FERRIQUES DE QUALITE PHARMACEUTIQUE AINSI QU'UTILISATION DE CEUX-CI ET PROCEDES DE FABRICATION DE CEUX-CI**

[72] CHAN, KEITH, US
[72] TOWN, WINSTON, CN
[71] PANION & BF BIOTECH INC., CN
[22] 2006-08-18
[41] 2007-02-22
[62] 2,619,591
[30] US (11/206,981) 2005-08-18
[30] US (60/709,511) 2005-08-19

[21] **3,050,457**
[13] A1

[51] **Int.Cl. A61K 31/46 (2006.01) A61K 31/196 (2006.01) A61K 31/407 (2006.01)**

[25] EN

[54] **A PHARMACEUTICAL COMPOSITION COMPRISING ATROPINE AND NSAID FOR TREATING MYOPIA**

[54] **UNE COMPOSITION PHARMACEUTIQUE RENFERMANT DE L'ATROPINE ET UN AINS EN VUE DU TRAITEMENT DE LA MYOPIE**

[72] WU, PEI-CHANG, CN
[72] CHEN, CHUEH-TAN, CN
[72] TSAI, CHIA-LING, CN
[71] KAOHSIUNG CHANG GUNG MEMORIAL HOSPITAL, CN
[71] WU, PHILIP, US
[22] 2014-05-05
[41] 2014-11-13
[62] 2,911,298
[30] US (61/819709) 2013-05-06

[21] **3,050,482**
[13] A1

[51] **Int.Cl. H04N 19/103 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/50 (2014.01)**

[25] EN

[54] **METHOD OF VIDEO CODING USING PREDICTION BASED ON INTRA PICTURE BLOCK COPY**

[54] **PROCEDE DE CODAGE VIDEO UTILISANT LA PREDICTION BASEE SUR UNE COPIE INTRA-BLOC D'UNE IMAGE**

[72] LIU, SHAN, US
[72] XU, XIAOZHONG, US
[71] HFI INNOVATION INC., TW
[22] 2014-11-14
[41] 2015-05-21
[62] 2,928,753
[30] US (61/904068) 2013-11-14

[21] **3,050,497**
[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01) A61B 34/20 (2016.01)**

[25] EN

[54] **PATIENT INTERFACE FOR OPHTHALMOLOGIC DIAGNOSTIC AND INTERVENTIONAL PROCEDURES**

[54] **INTERFACE PATIENT POUR UN DIAGNOSTIC OPHTHALMOLOGIQUE ET DES PROCEDURES D'INTERVENTION**

[72] GOODING, PHILLIP, US
[71] OPTIMEDICA CORPORATION, US
[22] 2012-10-19
[41] 2013-04-25
[62] 2,852,947
[30] US (13/279,152) 2011-10-21
[30] US (13/279,126) 2011-10-21
[30] US (13/279,155) 2011-10-21
[30] US (13/279,181) 2011-10-21

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **3,050,504**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) H04W 4/12 (2009.01) G06Q 10/08 (2012.01) H04W 4/021 (2018.01) H04W 4/38 (2018.01)**

[25] EN
[54] **FUTURE ORDER THROTTLING LIMITATION DES COMMANDES FUTURES**

[72] SEAWARD, LEONA, GB
[72] HAYNES, JONATHAN, GB
[72] THIRLAWAY, JOHN, GB
[72] WILLIAMS, THOMAS, GB
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE

[22] 2016-04-15
[41] 2016-10-20
[62] 2,977,973
[30] US (62/148,450) 2015-04-16
[30] US (14/727,519) 2015-06-01
[30] US (14/727,631) 2015-06-01
[30] US (62/169,325) 2015-06-01
[30] US (62/169,474) 2015-06-01
[30] US (14/827,153) 2015-08-14
[30] US (14/828,818) 2015-08-18

[21] **3,050,508**
[13] A1

[51] **Int.Cl. G01N 27/22 (2006.01) G01B 7/06 (2006.01) G01B 11/02 (2006.01) G01N 22/00 (2006.01) G01S 13/88 (2006.01)**

[25] FR
[54] **DETECTOR FOR HIDDEN OBJECTS OR UNAUTHORIZED MATERIALS IN A SHOE**

[54] **DETECTEUR D'OBJETS OU DE MATIERES NON AUTORISEES DISSIMULES DANS UNE CHAUSSURE**

[72] MANNESCHI, ALESSANDRO, IT
[71] MANNESCHI, ALESSANDRO, IT
[22] 2017-04-11
[41] 2017-10-15
[62] 2,964,406
[30] FR (1653385) 2016-04-15

[21] **3,050,509**
[13] A1

[51] **Int.Cl. G01N 22/00 (2006.01) G01B 11/02 (2006.01) G01S 13/88 (2006.01) G01S 17/88 (2006.01)**

[25] FR
[54] **DETECTOR FOR HIDDEN OBJECTS OR UNAUTHORIZED MATERIALS IN A SHOE**

[54] **DETECTEUR D'OBJETS OU DE MATIERES NON AUTORISEES DISSIMULES DANS UNE CHAUSSURE**

[72] MANNESCHI, ALESSANDRO, IT
[71] MANNESCHI, ALESSANDRO, IT
[22] 2017-04-11
[41] 2017-10-15
[62] 2,964,406
[30] FR (1653385) 2016-04-15

[21] **3,050,511**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 10/08 (2012.01) H04W 4/024 (2018.01) H04W 4/029 (2018.01)**

[25] EN
[54] **FUTURE ORDER THROTTLING LIMITATION DES COMMANDES FUTURES**

[72] SEAWARD, LEONA, GB
[72] HAYNES, JONATHAN, GB
[72] THIRLAWAY, JOHN, GB
[72] WILLIAMS, THOMAS, GB
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE

[22] 2016-04-15
[41] 2016-10-20
[62] 2,977,973
[30] US (62/148,450) 2015-04-16
[30] US (14/727,519) 2015-06-01
[30] US (14/727,631) 2015-06-01
[30] US (62/169,325) 2015-06-01
[30] US (62/169,474) 2015-06-01
[30] US (14/827,153) 2015-08-14
[30] US (14/828,818) 2015-08-18

[21] **3,050,573**
[13] A1

[51] **Int.Cl. H04N 19/50 (2014.01) H04N 19/159 (2014.01) H04N 19/17 (2014.01)**

[25] EN
[54] **IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM**

[54] **DISPOSITIF DE CODAGE PREDICTIF D'IMAGE, PROCEDE DE CODAGE PREDICTIF D'IMAGE, PROGRAMME DE CODAGE PREDICTIF D'IMAGE, DISPOSITIF DE DECODAGE PREDICTIF D'IMAGE, PROCEDE DE DECODAGE PREDICTIF D'IMAGE ET PROGRAMME DE DECODAGE PREDICTIF D'IMAGE**

[72] SUZUKI, YOSHINORI, JP
[72] BOON, CHOONG SENG, JP
[71] NTT DOCOMO, INC., JP
[22] 2010-03-16
[41] 2010-09-30
[62] 3,000,726
[30] JP (2009-069975) 2009-03-23

[21] **3,050,577**
[13] A1

[51] **Int.Cl. H04L 1/22 (2006.01) H03M 13/11 (2006.01) H03M 13/15 (2006.01) H03M 13/29 (2006.01) H04L 27/34 (2006.01)**

[25] EN
[54] **TRANSMITTER AND SHORTENING METHOD THEREOF**

[54] **EMETTEUR ET SON PROCEDE DE RACCOURCISSEMENT**

[72] MYUNG, SE-HO, KR
[72] KIM, KYUNG-JOONG, KR
[72] JEONG, HONG-SIL, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2016-03-02
[41] 2016-09-09
[62] 2,977,325
[30] US (62/127,027) 2015-03-02
[30] KR (10-2015-0137184) 2015-09-27

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[21] **3,050,578**

[13] A1

- [51] **Int.Cl. B65B 57/04 (2006.01) B65B 11/02 (2006.01) B65B 11/04 (2006.01)**
- [25] EN
- [54] **CONTAINMENT FORCE-BASED WRAPPING**
- [54] **ENVELOPPEMENT BASE SUR LA FORCE DE CONFINEMENT**
- [72] LANCASTER, PATRICK R., III, US
- [72] MITCHELL, MICHAEL P., US
- [71] LANTECH.COM, LLC, US
- [22] 2014-02-13
- [41] 2014-08-21
- [62] 2,983,858
- [30] US (61/764,107) 2013-02-13

[21] **3,050,582**

[13] A1

- [51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/159 (2014.01) H04N 19/17 (2014.01)**
- [25] EN
- [54] **IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM**
- [54] **DISPOSITIF DE CODAGE PREDICTIF D'IMAGE, PROCEDE DE CODAGE PREDICTIF D'IMAGE, PROGRAMME DE CODAGE PREDICTIF D'IMAGE, DISPOSITIF DE DECODAGE PREDICTIF D'IMAGE, PROCEDE DE DECODAGE PREDICTIF D'IMAGE ET PROGRAMME DE DECODAGE PREDICTIF D'IMAGE**
- [72] SUZUKI, YOSHINORI, JP
- [72] BOON, CHOONG SENG, JP
- [71] NTT DOCOMO, INC., JP
- [22] 2010-03-16
- [41] 2010-09-30
- [62] 3,000,726
- [30] JP (2009-069975) 2009-03-23

[21] **3,050,583**

[13] A1

- [51] **Int.Cl. H04N 19/50 (2014.01) H04N 19/159 (2014.01) H04N 19/17 (2014.01)**
- [25] EN
- [54] **IMAGE PREDICTIVE ENCODING DEVICE, IMAGE PREDICTIVE ENCODING METHOD, IMAGE PREDICTIVE ENCODING PROGRAM, IMAGE PREDICTIVE DECODING DEVICE, IMAGE PREDICTIVE DECODING METHOD, AND IMAGE PREDICTIVE DECODING PROGRAM**
- [54] **DISPOSITIF DE CODAGE PREDICTIF D'IMAGE, PROCEDE DE CODAGE PREDICTIF D'IMAGE, PROGRAMME DE CODAGE PREDICTIF D'IMAGE, DISPOSITIF DE DECODAGE PREDICTIF D'IMAGE, PROCEDE DE DECODAGE PREDICTIF D'IMAGE ET PROGRAMME DE DECODAGE PREDICTIF D'IMAGE**
- [72] BOON, CHOONG SENG, JP
- [72] SUZUKI, YOSHINORI, JP
- [71] NTT DOCOMO, INC., JP
- [22] 2010-03-16
- [41] 2010-09-30
- [62] 3,000,728
- [30] JP (2009-069975) 2009-03-23

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BICKERS, UDO	2,834,965	BREDENBERG, SUSANNE	2,809,927	CAREFUSION 207, INC.	2,789,801
BICYCLERD LIMITED	2,751,505	BREEN, SCOTT M.	2,850,638	CARL FREUDENBERG KG	2,969,045
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BIERBACH, ULRICH	2,942,887	BREITZKE, BURKHARD	2,838,905	INC.	2,861,869
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BIOGEN MA INC.	2,765,396	BRENNE, LARS	2,876,328	CARTIVA, INC.	2,837,303
BIONESS		BRENNEIS, D. CHAD	2,908,118	CASE, DANIEL	2,897,903
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LTD.	2,840,167	BRIGGS, FORREST SAMUEL	3,019,583	AURELIO	2,896,148
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BIOSENSE WEBSTER, INC.	2,699,536	UNIVERSITY	2,842,460	CENTANNI, MICHAEL A.	2,944,224
BISHOP, TOM	2,899,880	BRINGHAM, RICHARD	2,899,880	CENTRE NATIONAL DE LA	
BJORGE, TOR	2,876,328	BROERE, HANS	2,943,273	RECHERCHE	
BL TECHNOLOGIES, INC.	2,799,869	BROTMAN, MARK J.	2,803,347	SCIENTIFIQUE	2,769,474
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BLOMME, JEAN LOUIS	2,787,224	BRUNELLE, ALAN	2,835,208	SCIENTIFIQUE	2,839,633
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KOUNO, TAKUMI	2,974,935	LANCASTER, PATRICK R., III	LILLIESTRALE, RICHARD	2,954,353
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KRUMME, MARKUS	2,838,589	LAULICHT, BRYAN	LIQUID ROBOTICS, INC.	2,830,437
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JAYANT	2,950,772	LEE, BYEONG HO	LO, YING-CHENG	2,754,522
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KUMAR, NIRUPAMA		LEE, ELAINE CHUNGMIN	LOAKES, DAVID	2,751,505
PRAKASH	2,834,085	LEE, EUGENE M.	LOCASCIO, TIMOTHY R.	2,811,395
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COMPANY	2,956,670	TOUT, AIDAN MARCUS	2,845,880	URSIN, VIRGINIA	2,562,548
THE PROCTER & GAMBLE		TRACFONE WIRELESS, INC.	2,832,121	USENER, DIRK	2,820,168
COMPANY	2,964,137	TRAIFFORT, ELISABETH	2,769,474	UZELAC, ADAM CHARLES	2,908,648
THE TORONTO-DOMINION		TRANSMEDICS, INC.	2,899,880	VACCINEX, INC.	2,760,890
BANK	2,960,535	TROJAN TECHNOLOGIES	2,964,812	VAKADA, SUPRITHA	2,987,272
THE TRUSTEES OF THE		TROLLSCH, ARNE	2,874,418	VALEUR, ERIC	2,766,328
UNIVERSITY OF		TRONO, DIDIER	2,462,628	VALINGE INNOVATION AB	2,785,783
PENNSYLVANIA	2,846,486	TROPICANA PRODUCTS, INC.	2,909,856	VALINGE INNOVATION AB	2,919,851
THE UNITED STATES OF		TROY, GEORGE W.	3,031,642	VALLIERI, ANDREA	2,853,895
AMERICA, AS		TROY, GEORGE W.	3,031,644	VALLOUREC OIL AND GAS	
REPRESENTED BY THE		TRUXEDO, INC.	2,992,906	FRANCE	2,981,681
SECRETARY,		TSUJIUCHI, TATSUYA	3,001,826	VALMET TECHNOLOGIES OY	2,875,338
DEPARTMENT OF		TSUZUKI, KEN	2,983,691	VAN DEN BOORN, JASPER	2,885,564
HEALTH AND HUMAN		TU, CHIEH-SEN	2,979,186	VAN DRIEL, MICHAEL	2,899,880
SERVICES	2,789,259	TUBE-LINE		VAN OMMEREN, ESTHER	2,867,300
THE UNIVERSITY OF HONG		MANUFACTURING INC.	2,905,664	VAN SCOYOC, BROOK	2,825,951
KONG	2,982,978	TUDOR, LETITIA	2,837,303	VAN SPRONSEN, JACOB	2,801,713
THE UNIVERSITY OF TOKYO	2,909,484	TURAN, AHMET	2,954,227	VANRX PHARMASYSTEMS	
THEIS, UWE	2,982,384	TURELI, OZLEM	2,820,168	INC.	3,020,801
THERMA-STOR LLC	3,031,460	TURLAN, MANON	2,885,319	VASSEROT, ALAIN P.	2,797,977
THIEL, PHILIPPE	2,820,168	TURRI, STEFANO	2,851,755	VAYSBURD, MARINA	2,751,505
THIELMAN, WALTER SCOTT	2,779,987	TWI BIOTECHNOLOGY, INC.	2,829,101	VELAYUDHAN, AJOY	2,820,980
THIERS, BERNARD PAUL		UBA, TAKURO	3,010,999	VELUSAMY, SARAVANA	3,036,471
JOSEPH	2,903,505	UEDA, NORIKO	2,819,900	VENKATAKRISHNAN,	
THOMA, HERBERT	2,960,114	UEDA, YUKI	3,010,968	NATARAJAN	2,752,977
THOMAS & BETTS		UENO, HIROSHI	2,819,900	VENKATAKRISHNAN,	
INTERNATIONAL, LLC	2,912,240	UETA, SHIGEKI	2,814,293	NATARAJAN	2,753,031
THOMPSON, BEN	2,944,329	UHDE HIGH PRESSURE		VEOLIA WATER SOLUTIONS	
THOMPSON, JONATHAN	2,944,329	TECHNOLOGIES GMBH	2,892,894	& TECHNOLOGIES	
THOMPSON, KENNETH O.	2,997,448	UHIRA, KEIGO	2,909,484	SUPPORT	2,992,657
THORSTAD, OLAV	2,812,305	UHLE, CHRISTIAN	2,908,794	VERA, ROY	2,779,117
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THYSSENKRUPP AG	2,960,443	ULTRAFAB, INC.	2,752,016	VERHOEVEN, JEROME	3,031,460
THYSSENKRUPP ELEVATOR		UMANA, PABLO	2,596,835	VERISURE SARL	2,834,298
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S.A.	2,896,148	UNICHARM CORPORATION	2,858,510	VERMA, ANKIT	2,989,218
THYSSENKRUPP STEEL		UNILEVER PLC	2,812,880	VERPOORTE, ROBERT	2,801,713
EUROPE AG	2,960,443	UNITED STATES POSTAL		VERSALIS S.P.A.	2,853,895
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WANG, YILI	2,867,300	WOOD, NIGEL	2,980,804	YOURBROOK ENERGY	
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ZHANG, LEI	2,965,124
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ZHAO, ZIRAN	2,930,261
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ZHU, ZHENCAI	3,014,560
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HE, KAIZHONG	3,010,262	MIGLIORINI, JOSEPH W.	3,028,898	SHEPPARD, CLINT W.	3,033,549
HE, KAIZHONG	3,010,280	MIGLIORINI, JOSEPH W.	3,032,566	SONG, JOO HAN	3,032,682
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HOFMANN, MATTHIAS	3,032,847	MILLER, MITCHELL B.	2,994,004	SPARTAN ORTHODONTICS INC.	2,994,745
HONG, JAY WU	3,032,682	MILLS, ERNIE B.	3,032,174	SPENCER, STEVEN	2,994,312
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KAOHSIUNG CHANG GUNG MEMORIAL HOSPITAL	3,050,457	TYTO CARE LTD.	3,049,901
KIM, KYUNG-JOONG	3,050,577	VAN OS, MARCEL	3,050,448
KOCIENDA, KENNETH L.	3,050,448	WALTON, DANIEL D.	3,050,395
KUMAR, ASHISH	2,989,925	WEISSENBERGER, MARKUS	2,989,929
LANCASTER, PATRICK R., III	3,050,578	WILLIAMS, THOMAS	3,050,504
LANTECH.COM, LLC	3,050,578	WILLIAMS, THOMAS	3,050,511
LEMAY, STEPHEN O.	3,050,448	WILLIAMSON, RICHARD	3,050,448
LI, WEN	3,050,429	WRIGHT, COLIN	2,980,904
LIU, SHAN	3,050,482	WU, PEI-CHANG	3,050,457
MANNESCHI, ALESSANDRO	3,050,508	WU, PHILIP	3,050,457
MANNESCHI, ALESSANDRO	3,050,509	XU, XIAOZHONG	3,050,482
MCCULLOUGH, JOHN RICHARD	3,050,137	ZHOU, CHAOYIN	3,050,429
MITCHELL, MICHAEL P.	3,050,578		
MITTAL, BHUPESH KUMAR	2,989,925		
MITTAL, MOHIT	2,989,925		
MOORE, BRADFORD ALLEN	3,050,448		
MYUNG, SE-HO	3,050,577		
NOWAK, ANDREW P.	3,050,429		
NTT DOCOMO, INC.	3,050,573		