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THE CANADIAN PATENT OFFICE RECORD

LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

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

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

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

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

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Notices

Avis

1. Dates and Code Numerals Appearing in Patent Headings

Dates

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

Code Numerals

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

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

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

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

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

Dates

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

Chiffres de code

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

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

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

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

2. Country Code

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

2. Code des pays

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

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

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

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

6. Licensing of Patents

Voluntary Licences

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

Compulsory Licences

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

7. Patents Available for Licence or Sale

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

8. List of Patents Available for Licence or Sale

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

None

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Octroi de licences en vertu des brevets

Licences librement accordées

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

Licences obligatoires

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

7. Brevets disponibles pour licence ou vente

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

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

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

Aucun

9. Applications Open to Public Inspection

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

10. Language of Published Documents

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

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After December 29, 2015

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1782*
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 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.

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 29 décembre 2015

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1782 \$*
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 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.

Notices

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

5. Handling fee (Rule 57.2(a)) \$268

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2a) 268 \$

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

* International fees will be reduced by:

- \$135 for all applications filed using PCT-EASY,
- \$268 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- \$402 for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

STATUTORY HOLIDAYS (*DIES NON*)

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

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

In accordance with section 26 of the *Interpretation Act*, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Québec; an Industry Canada regional office; or a Registered Mail establishment) 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, Québec.

Operationally, 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 they are properly entitled to any needed extension of the time limit.

Time limits under the *Patent and Trade-marks Acts*

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the *Patent Act* and subsection 66(1) of the *Trade-marks Act*, any patent or trade-mark time limit that expires on a day when the Patent and Trade-marks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered. No equivalent provisions exist under the *Industrial Design, Copyright or Integrated Circuit Topography Acts*.

13. Énoncé de pratique

JOURS FÉRIÉS (*DIES NON*)

Nota : *Le présent avis a pour objet de fournir une orientation pour les pratiques et l'interprétation à l'Office de la propriété intellectuelle du Canada (OPIC) touchant les lois pertinentes. Toutefois, en cas d'incohérence entre cet avis et la loi applicable, il faut se reporter à la loi.*

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

Selon l'article 26 de la *Loi d'interprétation*, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Industrie Canada ou un établissement de Courrier recommandé) 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 un télécopieur, seraient réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. En conséquence, 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.

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

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la *Loi sur les brevets* et 66(1) de la *Loi sur les marques de commerce* stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés. Il n'existe pas de disposition du genre dans la *Loi sur les dessins industriels*, la *Loi sur le droit d'auteur* ou la *Loi sur les topographies de circuits intégrés*.

Notices

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the *Regulations under the PCT* provides:

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

on which such Office or organization is not open to the public for the purposes of the transaction of official business;
on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

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

which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; the period shall expire on the next subsequent day on which none of the said four circumstances exists.”

CIPO takes the position that section 26 of the *Interpretation Act* applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO however takes no position as to whether such extensions would be recognized by other countries and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the *Regulations under the PCT* or some other applicable law.

Provincial and Territorial Holidays

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

Délais prévus dans le Traité de coopération en matière de brevets

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

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

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

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

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

L'OPIC estime que l'article 26 de la *Loi d'interprétation* s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du *Règlement d'exécution du PCT* ou d'une autre loi pertinente.

Jours fériés provinciaux ou territoriaux

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

Avis

- 1) **Alberta:** 3rd Monday in February (Alberta Family Day)
 - 2) **British Columbia:** 1st Monday in August (British Columbia Day)
 - 3) **New Brunswick:** 1st Monday in August (New Brunswick Day)
 - 4) **Nova Scotia:** 1st Monday in August (Civic Holiday)
 - 5) **Ontario:** 3rd Monday in February (Ontario Family Day) 1st Monday in August (Civic Holiday)
 - 6) **Quebec:** June 24 (St. John the Baptist Day)
 - 7) **Saskatchewan:** 1st Monday in August (Saskatchewan Day)
 - 8) **Yukon:** 3rd Monday in August (Discovery Day) When Patent and Trade-marks Offices are closed for business
- 1) **Alberta :** 3e lundi de février (Jour de la Famille de l'Alberta)
 - 2) **Colombie-Britannique :** 1er lundi d'août (Fête de la Colombie-Britannique)
 - 3) **Nouveau-Brunswick :** 1er lundi d'août (Fête du Nouveau-Brunswick)
 - 4) **Nouvelle-Écosse :** 1er lundi d'août (congé statutaire)
 - 5) **Ontario :** 3e lundi de février (Jour de la Famille de l'Ontario) 1er lundi d'août (congé statutaire)
 - 6) **Québec :** 24 juin (Saint-Jean-Baptiste)
 - 7) **Saskatchewan :** 1er lundi d'août (Fête de la Saskatchewan)
 - 8) **Yukon :** 3e lundi d'août (Jour de la Découverte) Jours de fermeture au public des bureaux des brevets et des marques de commerce

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

All Saturdays and Sundays

*New Year's Day (Jan. 1)

Good Friday

Easter Monday

Victoria Day - First Monday immediately preceding May 25

*St. John the Baptist Day (June 24)

*Canada Day (July 1)

Labour Day - First Monday in September

Thanksgiving Day - Second Monday in October

*Remembrance Day (November 11)

*Christmas Day (December 25)

Boxing Day (December 26)

If December 26 falls on a Saturday, the Patent and Trade-marks Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

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

14. 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.

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

Tous les samedi et dimanche

*Jour de l'An (1er janvier)

Vendredi Saint

Lundi de Pâques

Fête de Victoria - premier lundi précédant immédiatement le 25 mai

*Saint-Jean-Baptiste (le 24 juin)

*Fête du Canada (1er juillet)

Fête du travail - premier lundi de septembre

Jour de l'Action de grâces - deuxième lundi d'octobre

*Jour du souvenir (11 novembre)

*Jour de Noël (25 décembre)

L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux des brevets et des marques de commerce seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

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

14. 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.

Notices

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 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.

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 (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.*

Avis

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).

15. Correspondence Procedures

November 20, 2015

This notice will replace all previous notices regarding Correspondence Procedures.

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

For the purposes of sections 5 and 54 of the *Patent Rules*, section 3 of the *Trade-marks Regulations*, section 2 of the *Copyright Regulations*, section 3 of the *Industrial Design Regulations* and section 3 of the *Integrated Circuit Topography Regulations*, the address of the Patent Office, the Office of the Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

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

Correspondence delivered to the above address during ordinary business hours will be considered to be received on the date of delivery.

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

Note regarding Fee Payment Forms: 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](#).

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).

15. Procédures de correspondance

le 20 novembre, 2015

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

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

Aux fins des articles 5 et 54 des *Règles sur les brevets*, de l'article 3 du *Règlement sur les marques de commerce*, de l'article 2 du *Règlement sur le droit d'auteur*, de l'article 3 du *Règlement sur les dessins industriels* et de l'article 3 du *Règlement sur les topographies de circuits intégrés*, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

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

La correspondance livrée à l'adresse ci-dessus pendant les heures normales d'ouverture sera réputée reçue le jour de la livraison.

Veillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la *Loi sur les brevets* pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

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

Téléchargez le [formulaire de paiements](#).

Notices

1. Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the *Patent Rules*, subsection 3(4) of the *Trade-marks Regulations*, subsection 2(4) of the *Copyright Regulations*, subsection 3(4) of the *Industrial Design Regulations* and subsection 3(4) of the *Integrated Circuit Topography Regulations*, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered **in person**:

1. Industry Canada
C.D. Howe Building
235 Queen Street, Room S-143
Ottawa ON K1A 0H5
Tel.: 613-952-2268

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
2. Industry 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
3. Industry Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
4. Industry Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1 800 461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
5. Industry Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

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

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which

1. Établissements désignés

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

1. Industrie Canada
Édifce C.D. Howe
235, rue Queen, pièce S-143
Ottawa (Ontario) K1A 0H5
Tél. : 613-952-2268

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
2. Industrie 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
3. Industrie Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
4. Industrie Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
5. Industrie Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

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

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date.

Avis

CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. If, for example, correspondence intended for the Patent Office is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as this is a day on which CIPO is closed for business.

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

2. Registered Mail Service of Canada Post

For the purposes of subsections 5(4) and 54(3) of the *Patent Rules*, subsection 3(4) of the *Trade-mark 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 Service of Canada Post is a designated establishment or designated office 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 Service 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.

3. Electronic Correspondence

In accordance with section 8.1 of the *Patent Act*, and for the purposes of subsections 5(6), 54(5), and 68(3) of the *Patent Rules*, subsection 3(6) of the *Trade-marks Regulations*, subsection 2(6) of the *Copyright Regulations*, subsection 3(6) of the *Industrial Design Regulations*, and subsection 3(6) of the *Integrated Circuit Topography Regulations*, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online via [CIPO's Web](#) site 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.

Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, le courrier destiné au Bureau des brevets et livré le 24 juin à l'établissement désigné à Toronto ne se verra pas attribuer cette date de réception puisque l'OPIC est alors fermé au public.

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

2. Service Courrier recommandé de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des *Règles sur les brevets*, du paragraphe 3(4) du *Règlement sur les marques de commerce*, du paragraphe 2(4) du *Règlement sur le droit d'auteur*, du paragraphe 3(4) du *Règlement sur les dessins industriels* et du paragraphe 3(4) du *Règlement sur les topographies de circuits intégrés*, le service Courrier recommandé de Postes Canada est un établissement ou bureau désigné auquel la correspondance adressée au commissaire aux brevets, au Bureau du droit d'auteur ou au registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise du service Courrier recommandé de Postes Canada est reçue par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

3. Correspondance électronique

Conformément à l'article 8.1 de la *Loi sur les brevets* et aux fins des paragraphes 5(6), 54(5) et 68(3) des *Règles sur les brevets*, du paragraphe 3(6) du *Règlement sur les marques de commerce*, du paragraphe 2(6) du *Règlement sur le droit d'auteur*, du paragraphe 3(6) du *Règlement sur les dessins industriels* et du paragraphe 3(6) du *Règlement sur les topographies de circuits intégrés*, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne sur le [site web de l'OPIC](#) ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

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

Notices

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

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

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

3.1 Facsimile

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

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

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

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed.

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

Patents

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

3.2 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 via [CIPO's Web site](#).

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

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

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

3.1 Correspondance par télécopieur

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

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

La correspondance par télécopieur qui est transmise à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevez après votre envoi par télécopieur constituera votre accusé de réception de l'envoi. La confidentialité du processus de transmission par télécopieur ne peut pas être garantie.

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

Brevets

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

3.2 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 sur le [site Web de l'OPIC](#).

Patents

For the purpose of subsection 5(6) of the *Patent Rules*, the following correspondence with the Patent Office may be sent electronically via CIPO's web site by accessing the following web pages:

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

Canada as Receiving Office Under the PCT: PCT-SAFE and ePCT

Pursuant to PCT Rule 89*bis*, 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](#).

Trade-marks

For the purpose of subsection 3(6) of the *Trade-marks Regulations*, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically via CIPO's Web site, by accessing the following web pages:

- [filing a new or revised trade-mark application](#);
- [renewal of a trade-mark registration](#);
- [request to enter a name on the list of trade-mark agents](#);
- [annual renewal of a trade-mark agent](#);
- [requesting copies of trade-mark documents](#);
- [filing of a declaration of use](#);
- [registration of a trade-mark application](#); and
- [statement of Opposition](#); and
- [extensions of time in trade-mark opposition cases](#).

Brevets

Aux fins du paragraphe 5(6) des *Règles sur les brevets*, la correspondance suivante destinée au Bureau des brevets peut être envoyée par voie électronique au moyen du site Web de l'OPIC, notamment par les pages Web suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe et 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 89*bis* du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé [Dépôt en ligne de demandes PCT](#)

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

Marques de commerce

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

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce](#);
- [renouvellement de l'enregistrement d'une marque de commerce](#);
- [demande d'inscription d'un nom à la liste des agents de marques de commerce](#);
- [renouvellement annuel d'un agent de marques de commerce](#);
- [commande de copies de documents de marques de commerce](#);
- [dépôt d'une déclaration d'emploi](#);
- [l'enregistrement d'une marque de commerce](#);
- [dépôt d'une déclaration d'opposition](#); et
- [demande de prolongation de délai dans une procédure d'opposition](#).

Notices

Copyright

For the purpose of subsection 2(6) of the *Copyright Regulations*, the following correspondence addressed to the Copyright Office may be sent electronically via CIPO's Web site, by accessing the following web 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](#).

Industrial Designs

For the purpose of subsection 3(6) of the *Industrial Design Regulations*, the following correspondence addressed to the Commissioner of Patents may be sent electronically via CIPO's web site, by accessing the following web 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 via CIPO's web site, by accessing the following web pages:

- [general correspondence relating to integrated circuit topographies](#).

3.3 Electronic Medium

Patents

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

Droits d'auteur

Aux fins du paragraphe 2(6) du *Règlement sur le droit d'auteur*, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web 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](#).

Dessins industriels

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

Topographies de circuits intégrés
Aux fins du paragraphe 3(6) du *Règlement sur les topographies de circuits intégrés*, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique sur le site Web de l'OPIC. Pour ce faire, il faut accéder les pages Web suivantes :

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

3.3 Supports électroniques

Brevets

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

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prescribed in the *Patent Rules* still remain.

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

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

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

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

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

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

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

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

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

Les exigences relatives à la date de dépôt énoncées dans les *Règles sur les brevets* resteront applicables.

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

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

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

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

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

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

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

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

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

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fee, refer to Section 7 of the PCT Administrative Instructions.

Electronic Media accepted by the Patent Office

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

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

4. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the *Patent Act*, and for the purposes of subsections 5(6), 54(5), and 68(3) of the *Patent Rules*, the acceptable file formats for documents submitted electronically via the web site 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 & white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;

séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Supports électroniques acceptés par le Bureau des brevets

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

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

4. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la *Loi sur les brevets* et aux fins des paragraphes 5(6), 54(5) et 68(3) des *Règles sur les brevets*, les formats de fichiers acceptables pour les documents présentés par voie électronique sur le site Web 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'OPIB encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

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

Format TIFF :

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

Format PDF :

- Compatible avec Adobe Portable Document Format Version 1.4;
- Texte non comprimé, pour faciliter la recherche;
- Texte non chiffré;

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

- Pas d'objets OLE incorporés;
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII Format:

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

Format ASCII :

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

Industrial Design

For the purposes of subsections 3(6) and 12(3) of the *Industrial Design Regulations*, the acceptable file formats for documents submitted electronically via the web site are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

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

TIFF Format:

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

Photographs in JPEG Format:

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

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database.

5. General Information

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

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du *Règlement sur les dessins industriels*, les formats de fichiers acceptables pour les documents présentés électroniquement par le site Web sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellant Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

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

Format TIFF :

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

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris);
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po;
- Résolution : 300 ppp.

Pour toutes les images soumises dans différents formats, le bureau peut imprimer les images et les balayer par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données.

5. Renseignements généraux

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

16. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of March 1, 2016 contains applications open to public inspection from February 14, 2016 to February 20, 2016.

17. Erratum

The information concerning application number 2,830,263 referred to under the section *Canadian Applications Open to Public Inspection* of the *Canadian Patent Office Record* of April 15, 2014 was incorrect. Please note that no application is open to public inspection under this number.

16. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 1 mars 2016 contient les demandes disponibles au public pour consultation pour la période du 14 février 2016 au 20 février 2016.

17. Erratum

Les renseignements concernant la demande 2,830,263 sous la rubrique *Demandes canadiennes mises à la disponibilité du public* de la *Gazette du Bureau des brevets* du 15 avril 2014 sont inexacts. Veuillez noter qu'aucune demande n'est accessible au public sous ce numéro.

Canadian Patents Issued

March 1, 2016

Brevets canadiens délivrés

1 mars 2016

[11] **2,382,972**
[13] C

[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/30 (2012.01) B61L 25/00 (2006.01) G07C 5/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR MANAGING A FLEET OF MOBILE ASSETS**

[54] **PROCEDE ET DISPOSITIF DE GESTION D'UNE FLOTTE D'ACTIFS MOBILES**

[72] FERA, GREGORY JOHN, US

[72] BLILEY, RICHARD GERALD, US

[72] GOMEZ, IVAN, US

[72] PIERRO, MICHAEL JAMES, US

[72] SCHLABACH, JAMES E., US

[72] SCHNEIDER, WILLIAM ROY, US

[73] GENERAL ELECTRIC COMPANY, US

[85] 2002-02-25

[86] 2000-08-23 (PCT/US2000/023157)

[87] (WO2001/015001)

[30] US (09/378,939) 1999-08-23

[30] US (09/378,940) 1999-08-23

[30] US (09/410,553) 1999-10-01

[30] US (60/201,243) 2000-05-01

[11] **2,409,996**
[13] C

[51] **Int.Cl. C12N 15/18 (2006.01) C12N 5/07 (2010.01) C12N 5/077 (2010.01) C12N 5/079 (2010.01) A01N 37/18 (2006.01) A61K 38/18 (2006.01) A61K 39/395 (2006.01) A61P 9/00 (2006.01) A61P 21/00 (2006.01) A61P 25/00 (2006.01) A61P 27/00 (2006.01) A61P 35/00 (2006.01) C07K 14/475 (2006.01) C07K 14/485 (2006.01) C07K 16/22 (2006.01) C12N 5/10 (2006.01) C12N 15/85 (2006.01) C12Q 1/68 (2006.01) G01N 33/566 (2006.01)**

[25] EN

[54] **NRG-2 NUCLEIC ACID MOLECULES, POLYPEPTIDES, AND DIAGNOSTIC AND THERAPEUTIC METHODS**

[54] **MOLECULES D'ACIDE NUCLEIQUE ET POLYPEPTIDES NRG-2, ET METHODES DIAGNOSTIQUES ET THERAPEUTIQUES ASSOCIEES**

[72] MARCHIONNI, MARK A., US

[73] CENES PHARMACEUTICALS, INC., US

[85] 2002-11-22

[86] 2001-05-23 (PCT/US2001/016896)

[87] (WO2001/089568)

[30] US (60/206,495) 2000-05-23

[11] **2,525,333**
[13] C

[51] **Int.Cl. C12N 15/56 (2006.01) C12N 15/113 (2010.01) A23K 20/189 (2016.01) A21D 2/26 (2006.01) C07K 14/37 (2006.01) C11D 3/33 (2006.01) C12N 9/16 (2006.01) C12N 9/24 (2006.01) C12N 9/42 (2006.01) C12N 15/31 (2006.01) C12N 15/55 (2006.01) C12P 7/10 (2006.01) C12P 19/00 (2006.01) C12P 19/14 (2006.01) D21H 17/22 (2006.01)**

[25] EN

[54] **TRICHODERMA GENES**

[54] **GENES DE TRICHODERMA**

[72] FOREMAN, PAMELA, US

[72] GOEDEGEBUUR, FRITS, NL

[72] VAN SOLINGEN, PIETER, NL

[72] WARD, MICHAEL, US

[73] GENENCOR INTERNATIONAL, INC., US

[85] 2005-11-01

[86] 2004-05-28 (PCT/US2004/016881)

[87] (WO2005/001036)

[30] US (60/474,411) 2003-05-29

[30] US (60/475,826) 2003-06-03

[11] **2,566,738**
[13] C

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

[25] EN

[54] **SYSTEM AND METHOD FOR RATING DOCUMENTS COMPRISING AN IMAGE**

[54] **SYSTEME ET PROCEDE POUR EVALUER DES DOCUMENTS COMPRENANT UNE IMAGE**

[72] CHAN, WESLEY, US

[72] AGARWAL, SUMIT, US

[72] WISEMAN, LEORA RUTH, US

[73] GOOGLE INC., US

[85] 2006-11-10

[86] 2005-05-10 (PCT/US2005/015963)

[87] (WO2005/111896)

[30] US (10/841,834) 2004-05-10

**Canadian Patents Issued
March 1, 2016**

[11] **2,576,562**
[13] C

[51] **Int.Cl. A61K 39/42 (2006.01) A23L 33/12 (2016.01) A23L 33/125 (2016.01) A23L 33/135 (2016.01) A23L 33/21 (2016.01) A61K 31/702 (2006.01) A61P 11/00 (2006.01) A61P 31/00 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **NUTRITIONAL COMPOSITION COMPRISING GALACTOSE-CONTAINING INDIGESTIBLE OLIGOSACCHARIDES**

[54] **COMPOSITION NUTRITIVE COMPRENANT DES OLIGOSACCHARIDES NON DIGESTIBLES CONTENANT DU GALACTOSE**

[72] BOEHM, GUNTHER, DE
[72] M'RABET, LAURA, NL
[72] STAHL, BERND, DE
[72] GARSSEN, JOHAN, NL
[73] N.V. NUTRICIA, NL
[85] 2007-02-09
[86] 2005-08-24 (PCT/NL2005/000611)
[87] (WO2006/022542)
[30] EP (04077394.7) 2004-08-24

[11] **2,596,872**
[13] C

[51] **Int.Cl. H04L 9/14 (2006.01) H04N 21/4405 (2011.01)**

[25] EN

[54] **KEY MANAGEMENT SYSTEM FOR DIGITAL CINEMA**

[54] **SYSTEME DE GESTION DE CLES POUR CINEMA NUMERIQUE**

[72] ROBERT, ARNAUD, US
[73] THOMSON LICENSING, FR
[85] 2007-08-03
[86] 2006-01-18 (PCT/US2006/001707)
[87] (WO2006/088596)
[30] US (60/653,154) 2005-02-15

[11] **2,618,518**
[13] C

[51] **Int.Cl. H01B 13/32 (2006.01) H01B 9/00 (2006.01)**

[25] EN

[54] **METHOD FOR RESTORING POWER CABLES**

[54] **PROCEDE DE PROLONGATION DE LA DUREE DE VIE DES CABLES D'ALIMENTATION**

[72] BERTINI, GLEN J., US
[73] NOVINIUM, INC., US
[86] (2618518)
[87] (2618518)
[22] 2008-01-24
[30] US (60/990,586) 2007-11-27

[11] **2,625,510**
[13] C

[51] **Int.Cl. B44F 9/00 (2006.01) B28B 1/00 (2006.01)**

[25] EN

[54] **REFRACTORY PANELS WITH GROUT-CAPTURING CHANNELS**

[54] **PANNEAUX REFRACTAIRES AVEC GORGES DE CAPTURE DU COULIS**

[72] HUSTED, MARTIN D., US
[73] FMI ACQUISITION, LLC, US
[86] (2625510)
[87] (2625510)
[22] 2008-03-13
[30] US (60/894,598) 2007-03-13

[11] **2,636,281**
[13] C

[51] **Int.Cl. C02F 3/28 (2006.01)**

[25] EN

[54] **PROCESS AND REACTOR FOR ANAEROBIC WASTE WATER PURIFICATION**

[54] **PROCEDE ET REACTEUR DE PURIFICATION ANAEROBIE DES EAUX USEES**

[72] FRANKIN, ROBERTUS JOHANNES, ID
[72] OTTEN, MICHAEL JOHANNES, ID
[73] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR
[85] 2008-07-04
[86] 2007-01-05 (PCT/NL2007/000003)
[87] (WO2007/078195)
[30] EP (06075014.8) 2006-01-05

[11] **2,637,737**
[13] C

[51] **Int.Cl. H01L 21/306 (2006.01)**

[25] EN

[54] **METHOD OF ETCHING A SILICON-BASED MATERIAL**

[54] **PROCEDE DE DECAPAGE D'UN MATERIAU A BASE DE SILICIUM**

[72] GREEN, MINO, GB
[72] LIU, FENG-MING, GB
[73] NEXEON LTD, GB
[85] 2008-07-18
[86] 2007-01-23 (PCT/GB2007/000204)
[87] (WO2007/083152)
[30] GB (0601318.9) 2006-01-23

[11] **2,638,165**
[13] C

[51] **Int.Cl. H04N 7/18 (2006.01) H04L 12/16 (2006.01) G06T 7/00 (2006.01) G06T 9/00 (2006.01)**

[25] EN

[54] **PROXY VIDEO SERVER FOR VIDEO SURVEILLANCE**

[54] **SERVEUR MANDATAIRE VIDEO POUR SURVEILLANCE VIDEO**

[72] COHEN, ISAAC, US
[72] WILSON, JEREMY C., CA
[73] HONEYWELL INTERNATIONAL INC., US
[86] (2638165)
[87] (2638165)
[22] 2008-07-23
[30] US (11/782,439) 2007-07-24

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[11] **2,638,224**
[13] C

[51] **Int.Cl. B61C 17/06 (2006.01) B60L 11/18 (2006.01) B61C 3/02 (2006.01) H02J 15/00 (2006.01)**

[25] FR

[54] **PROCESS FOR SUPPLYING EMERGENCY AUXILIARY CHARGES, AUXILIARY CONVERTER AND RAILWAY VEHICLE FOR THIS PROCESS**

[54] **PROCEDE D'ALIMENTATION DE CHARGES AUXILIAIRES DE SECOURS, CONVERTISSEUR AUXILIARE ET VEHICULE FERROVIAIRE POUR CE PROCEDE**

[72] BOUSAADA, JOHNNY, BE

[72] MASSELUS, JEAN-EMMANUEL, BE

[73] ALSTOM TRANSPORT TECHNOLOGIES, FR

[86] (2638224)

[87] (2638224)

[22] 2008-08-01

[30] FR (07 56933) 2007-08-03

[11] **2,651,227**
[13] C

[51] **Int.Cl. G01N 33/68 (2006.01)**

[25] EN

[54] **QUANTITATIVE ANALYSIS OF SURFACE-DERIVED SAMPLES USING MASS SPECTROMETRY**

[54] **ANALYSE QUANTITATIVE PAR SPECTROMETRIE DE MASSE D'ECHANTILLONS DEPOSES SUR UNE SURFACE**

[72] CERDA, BLAS, US

[73] PERKINELMER LAS, INC., US

[85] 2008-11-04

[86] 2007-05-04 (PCT/US2007/010928)

[87] (WO2007/130629)

[30] US (60/797,993) 2006-05-05

[11] **2,651,894**
[13] C

[51] **Int.Cl. G06F 3/14 (2006.01) G06F 17/00 (2006.01)**

[25] EN

[54] **CUSTOMIZABLE PARAMETER USER INTERFACE**

[54] **INTERFACE UTILISATEUR A PARAMETRES CONFIGURABLES**

[72] GETSCH, TIMOTHY E., US

[72] CHAUHAN, SUMIT, US

[72] COVINGTON, CLINTON D., US

[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2008-11-10

[86] 2007-06-25 (PCT/US2007/014793)

[87] (WO2008/002552)

[30] US (11/475,401) 2006-06-26

[11] **2,655,187**
[13] C

[51] **Int.Cl. H01R 4/30 (2006.01) H01R 4/66 (2006.01)**

[25] EN

[54] **CONDUCTOR CONNECTION**

[54] **CONNEXION DE CONDUCTEUR**

[72] DE FRANCE, ROBERT V., US

[73] HUBBELL INCORPORATED, US

[85] 2008-12-11

[86] 2007-07-26 (PCT/US2007/016826)

[87] (WO2008/013901)

[30] US (60/833,642) 2006-07-26

[30] US (60/904,080) 2007-02-28

[30] US (11/778,777) 2007-07-17

[11] **2,656,899**
[13] C

[51] **Int.Cl. C09D 7/12 (2006.01)**

[25] EN

[54] **LATEX BASED OPEN-TIME EXTENDERS FOR LOW VOC PAINTS**

[54] **MATIERES DE CHARGE A BASE DE LATEX PERMETTANT D'ACCROITRE LE TEMPS OUVERT DE PEINTURES A FAIBLE TENEUR EN COV**

[72] BOCHNIK, MICHAEL, US

[72] FREIDZON, YAKOV, US

[72] SHEERIN, ROBERT, US

[72] WU, NING, US

[73] COLUMBIA INSURANCE CO., US

[86] (2656899)

[87] (2656899)

[22] 2009-03-03

[30] US (12/042,841) 2008-03-05

[11] **2,657,370**
[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61K 38/35 (2006.01) A61M 5/30 (2006.01)**

[25] EN

[54] **ANTI-HEMORRHAGE MEDICATION PACK**

[54] **PAQUET MEDICAMENTEUX ANTI-HEMORRAGIQUE**

[72] NOERA, GIORGIO, IT

[72] BERTOLINI, ALFIO, IT

[73] HEALTH RICERCA E SVILUPPO S.R.L., IT

[85] 2009-01-09

[86] 2007-07-06 (PCT/IB2007/052661)

[87] (WO2008/007322)

[30] IT (MO2006A000222) 2006-07-10

[11] **2,660,265**
[13] C

[51] **Int.Cl. F01D 11/00 (2006.01) F16J 15/44 (2006.01) F16J 15/54 (2006.01)**

[25] EN

[54] **LEAF SEAL FOR TURBOMACHINE**

[54] **GARNITURE D'ETANCHEITE LAMELLAIRE POUR TURBOMACHINE**

[72] OLMES, SVEN, CH

[72] HURTERN, JONAS, CH

[73] ALSTOM TECHNOLOGY LTD., CH

[86] (2660265)

[87] (2660265)

[22] 2009-03-26

[30] CH (00459/08) 2008-03-28

[11] **2,660,357**
[13] C

[51] **Int.Cl. A61M 5/36 (2006.01) A61M 5/00 (2006.01) A61M 5/145 (2006.01) A61M 5/168 (2006.01) G01F 23/28 (2006.01)**

[25] EN

[54] **SYRINGE CONTENT DETECTION USING RF ENERGY**

[54] **DETECTION DE CONTENU DE SERINGUE UTILISANT DE L'ENERGIE RF**

[72] GIBSON, CHAD M., US

[72] ORTENZI, VERNON D., US

[73] LIEBEL-FLARSHEIM COMPANY LLC, US

[85] 2009-02-06

[86] 2008-08-06 (PCT/US2008/072304)

[87] (WO2009/025996)

[30] US (60/957,539) 2007-08-23

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[11] **2,660,800**
[13] C

[51] **Int.Cl. C07D 487/18 (2006.01) G01N 33/52 (2006.01) G01N 33/53 (2006.01) G01N 33/92 (2006.01)**

[25] EN

[54] **LUMINESCENT MACROCYCLIC LANTHANIDE COMPLEXES**

[54] **COMPLEXES DE LANTHANIDES MACROCYCLIQUES LUMINESCENTS**

[72] RAYMOND, KENNETH N., US

[72] CORNEILLIE, TODD M., US

[72] XU, JIDE, US

[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US

[85] 2009-02-12

[86] 2007-08-15 (PCT/US2007/076047)

[87] (WO2008/063721)

[30] US (60/822,482) 2006-08-15

[11] **2,663,581**
[13] C

[51] **Int.Cl. C12N 15/63 (2006.01) A61K 31/713 (2006.01) A61K 48/00 (2006.01) C07H 21/02 (2006.01) C12N 15/11 (2006.01) C12N 15/85 (2006.01) C12N 15/16 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF THE HAMP GENE**

[54] **COMPOSITIONS ET PROCEDES SERVANT A INHIBER L'EXPRESSION DU GENE HAMP**

[72] NAKAYAMA, TOMOKO, US

[72] GEICK, ANKE, DE

[72] TAN, PAMELA, DE

[72] LIN, HERBERT Y., US

[73] ALNYLAM PHARMACEUTICALS, INC., US

[85] 2009-03-12

[86] 2007-09-21 (PCT/US2007/079212)

[87] (WO2008/036933)

[30] US (60/846,266) 2006-09-21

[30] US (60/870,253) 2006-12-15

[11] **2,664,970**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/60 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **SELF-CONCENTRATING ABSORBENT FOR ACID GAS SEPARATION**

[54] **ABSORBANT AUTO-CONCENTRANT POUR LA SEPARATION DU GAZ ACIDE**

[72] HU, LIANG, US

[73] HU, LIANG, US

[86] (2664970)

[87] (2664970)

[22] 2009-04-30

[30] US (12/250,257) 2008-10-13

[30] US (12/430,998) 2009-04-28

[11] **2,664,971**
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/18 (2006.01) B01D 53/62 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR DEACIDIZING GASEOUS MIXTURES**

[54] **METHODES ET SYSTEMES POUR DESACIDIFIER DES MELANGES DE GAZ**

[72] HU, LIANG, US

[73] HU, LIANG, US

[86] (2664971)

[87] (2664971)

[22] 2009-04-30

[30] US (12/250,257) 2008-10-13

[11] **2,665,298**
[13] C

[51] **Int.Cl. E21B 4/14 (2006.01) B25D 9/00 (2006.01) E21B 1/38 (2006.01) B25D 3/00 (2006.01)**

[25] EN

[54] **PNEUMATIC IMPACT TOOL**

[54] **OUTIL A PERCUSSION PNEUMATIQUE**

[72] RANDA, MARK D., US

[73] EARTH TOOL COMPANY, LLC, US

[86] (2665298)

[87] (2665298)

[22] 2009-05-01

[30] US (61/126,244) 2008-05-03

[11] **2,666,495**
[13] C

[51] **Int.Cl. B60R 3/02 (2006.01)**

[25] EN

[54] **TAILGATE ACCESS STEP**

[54] **MARCHE D'ACCES A UN HAYON**

[72] LEITNER, HORST, US

[72] SMITH, ANTHONY, US

[73] LUND MOTION PRODUCTS, INC., US

[85] 2009-04-14

[86] 2007-10-25 (PCT/US2007/082572)

[87] (WO2008/057792)

[30] US (60/863,555) 2006-10-30

[30] US (60/855,438) 2006-10-31

[30] US (60/863,340) 2006-10-27

[11] **2,669,900**
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2006.01)**

[25] EN

[54] **GENERATION OF PLANTS EXPRESSING AN IMQ POLYPEPTIDE AND HAVING ALTERED PROTEIN, FIBER OR OIL CONTENT**

[54] **GENERATION DE PLANTES EXPRIMANT UN POLYPEPTIDE IMQ ET COMPORTANT UNE TENEUR EN PROTEINES, FIBRES OU HUILE MODIFIEE**

[72] DAVIES, JOHN P., US

[72] NG, HEIN TSOENG (MEDARD), US

[72] WAGNER, D. RY, US

[73] AGRIGENETICS, INC., US

[85] 2009-05-14

[86] 2007-11-14 (PCT/US2007/084709)

[87] (WO2008/061153)

[30] US (60/866,053) 2006-11-15

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[11] **2,670,358**
[13] C

[51] **Int.Cl. C09K 8/584 (2006.01) E21B 43/22 (2006.01) C10G 1/04 (2006.01)**

[25] EN

[54] **COMPOSITION OF MICROEMULSION AND METHOD FOR ADVANCED RECOVERY OF HEAVY OIL**

[54] **COMPOSITION DE MICROEMULSION ET PROCÉDE DE RECUPERATION PERFECTIONNEE DE PETROLE LOURD**

[72] OLIVEIRA, MARCIA CRISTINA KHALIL, BR

[72] MALDONADO, GASPAR GONZALEZ, BR

[73] PETROLEO BRASILEIRO S.A. - PETROBAS, BR

[86] (2670358)

[87] (2670358)

[22] 2009-06-29

[30] BR (PI 0802390-5) 2008-07-09

[11] **2,673,656**
[13] C

[51] **Int.Cl. B01F 3/04 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR TREATING A LIQUID**

[54] **PROCÉDE ET DISPOSITIF DE TRAITEMENT D'UN LIQUIDE**

[72] POSCHL, GUNTER, DE

[73] ULTRASONIC SYSTEMS GMBH, DE

[85] 2009-06-23

[86] 2007-12-28 (PCT/EP2007/011456)

[87] (WO2008/080618)

[30] DE (10 2006 061 906.4) 2006-12-28

[30] DE (10 2007 013 533.7) 2007-03-21

[11] **2,674,616**
[13] C

[51] **Int.Cl. H04W 16/02 (2009.01) H04W 16/10 (2009.01)**

[25] EN

[54] **RESOURCE ALLOCATION AND MAPPING IN A WIRELESS COMMUNICATION SYSTEM**

[54] **ATTRIBUTION ET MAPPAGE DE RESSOURCES DANS UN SYSTEME DE COMMUNICATION SANS FIL**

[72] PALANKI, RAVI, US

[72] KHANDEKAR, AAMOD, US

[72] GOROKHOV, ALEXEI, US

[72] BHUSHAN, NAGA, US

[73] QUALCOMM INCORPORATED, US

[85] 2009-06-23

[86] 2008-01-04 (PCT/US2008/050211)

[87] (WO2008/086163)

[30] US (60/883,729) 2007-01-05

[30] US (60/883,758) 2007-01-05

[30] US (11/969,200) 2008-01-03

[11] **2,675,153**
[13] C

[51] **Int.Cl. C08G 18/18 (2006.01) C08G 18/72 (2006.01) C08J 9/00 (2006.01)**

[25] EN

[54] **TERTIARY AMINES BLOCKED WITH POLYMER ACIDS**

[54] **AMINES TERTIAIRES BLOQUEES AU MOYEN D'ACIDES POLYMERES**

[72] RISTER, ERNEST L., JR., US

[72] GRIGSBY, ROBERT A., JR., US

[72] MOORE, ROBERT B., US

[73] HUNTSMAN PETROCHEMICAL CORPORATION, US

[85] 2009-07-09

[86] 2008-01-18 (PCT/US2008/051442)

[87] (WO2008/089411)

[30] US (60/881,282) 2007-01-19

[11] **2,675,240**
[13] C

[51] **Int.Cl. H04W 40/10 (2009.01) H04W 52/02 (2009.01)**

[25] EN

[54] **CONTROL OF LOW POWER WIRELESS NETWORKS FOR POWER CONSERVATION**

[54] **METHODE DE COMMANDE DE RESEAUX SANS FIL DE FAIBLE PUISSANCE PERMETTANT DE CONSERVER DE L'ENERGIE**

[72] DOBROWSKI, PATRICK M., US

[72] LOVEGREN, ERIC R., US

[72] ORTH, KELLY M., US

[72] STOTZ, KYLE L., US

[73] FISHER-ROSEMOUNT SYSTEMS, INC., US

[85] 2009-07-10

[86] 2007-01-11 (PCT/US2007/000687)

[87] (WO2007/082015)

[30] US (60/758,167) 2006-01-11

[11] **2,675,368**
[13] C

[51] **Int.Cl. C08G 63/00 (2006.01) C08K 5/49 (2006.01)**

[25] EN

[54] **POLYESTER POLYMERS WITH LOW ACETALDEHYDE GENERATION RATES AND HIGH VINYL ENDS CONCENTRATION**

[54] **POLYMERES DE POLYESTER A FAIBLE TAUX DE PRODUCTION D'ACETALDEHYDE ET FORTE CONCENTRATION DE TERMINAISONS VINYLIQUES**

[72] JERNIGAN, MARY THERESE, US

[73] GRUPO PETROTEMEX, S.A. DE C.V., MX

[85] 2009-07-13

[86] 2008-01-16 (PCT/US2008/000560)

[87] (WO2008/097417)

[30] US (11/701,794) 2007-02-02

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[11] **2,675,881**
[13] C

[51] **Int.Cl. C08G 77/08 (2006.01) B01F 17/54 (2006.01) C08G 77/06 (2006.01) C08G 77/44 (2006.01) C09D 183/10 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING BRANCHED SIH-FUNCTIONAL POLYSILOXANES AND THE USE THEREOF FOR PREPARING LIQUID, SIC- OR SIOC-LINKED, BRANCHED ORGANOMODIFIED POLYSILOXANES**

[54] **PROCEDE DE PREPARATION DE POLYSILOXANES FONCTIONNELS EN SIH ET LEUR UTILISATION CONNEXE DANS LA PREPARATION DE POLYSILOXANES LIQUIDES ORGANOMODIFIES RAMIFIES, LIES EN SIC OU SIOC**

[72] HENNING, FRAUKE, DE
[72] KNOTT, WILFRIED, DE
[72] FERENZ, MICHAEL, DE
[73] EVONIK DEGUSSA GMBH, DE
[86] (2675881)
[87] (2675881)
[22] 2009-08-18
[30] DE (102008041601.0) 2008-08-27

[11] **2,687,914**
[13] C

[51] **Int.Cl. A61D 7/00 (2006.01) A61M 5/315 (2006.01)**

[25] EN

[54] **DISPENSING MEANS WITH LOCKABLE DOSE ADJUSTER AND ONE WAY VALVE**

[54] **MOYEN DE DISTRIBUTION POURVU D'UN DOSEUR BLOCABLE ET D'UNE VALVE ANTI-REFLUX**

[72] EBBETT, TODD DONALD, NZ
[72] WALKER, RODNEY GORDON, NZ
[72] STANDING, COLIN, NZ
[72] SEAMAN, ROBERT, AU
[73] NOVARTIS TIERGESUNDHEIT AG, CH
[85] 2009-11-20
[86] 2008-06-23 (PCT/EP2008/057922)
[87] (WO2009/000786)
[30] NZ (556142) 2007-06-25

[11] **2,689,355**
[13] C

[51] **Int.Cl. E06B 3/72 (2006.01) E06B 5/00 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN DOORS**

[54] **AMELIORATIONS APORTEES AUX PORTES**

[72] KUEI-YUNG, CHEN WANG, TW
[73] NAN YA PLASTICS CORPORATION, TW
[86] (2689355)
[87] (2689355)
[22] 2009-12-30
[30] GB (0823667.1) 2008-12-30

[11] **2,689,999**
[13] C

[51] **Int.Cl. A01N 43/56 (2006.01) A01N 37/46 (2006.01) A01N 37/50 (2006.01) A01N 43/08 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01N 43/88 (2006.01) A01N 47/24 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **A TERNARY COMBINATION OF THE CARBOXAMIDE PENFLUFEN, THE ACYLALANINE METALAXYL, AND A SELECT STROBILURIN**

[54] **COMBINAISON TERNAIRE DU CARBOXAMIDE PENFLUFENE, DE L'ACYLALANNIE METALAXYL ET D'UNE STROBILURINE SELECTIONNEE**

[72] SUTY-HEINZE, ANNE, DE
[72] DAHMEN, PETER, DE
[73] BAYER INTELLECTUAL PROPERTY GMBH, DE
[85] 2009-12-03
[86] 2008-05-27 (PCT/EP2008/004181)
[87] (WO2008/148476)
[30] EP (07011096.0) 2007-06-06

[11] **2,692,502**
[13] C

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/517 (2006.01) A61K 31/5377 (2006.01) C07D 401/12 (2006.01) C07D 405/14 (2006.01) C07D 409/14 (2006.01) C07D 417/12 (2006.01)**

[25] EN

[54] **PYRIMIDYL CYCLOPENTANES AS AKT PROTEIN KINASE INHIBITORS**

[54] **CYCLOPENTANES DE PYRIMIDYLE COMME INHIBITEURS DE PROTEINES KINASES AKT**

[72] BENCSIK, JOSEF, US
[72] BLAKE, JAMES F., US
[72] GRAHAM, JAMES M., US
[72] HENTEMANN, MARTIN F., US
[72] KALLAN, NICHOLAS C., US
[72] MITCHELL, IAN S., US
[72] SCHLACHTER, STEPHEN T., US
[72] SPENCER, KEITH L., US
[72] XIAO, DENGMIN, US
[72] XU, RUI, US
[72] WELCH, MIKE, US
[72] LIANG, JUN, US
[72] SAFINA, BRIAN S., US
[73] ARRAY BIOPHARMA INC., US
[73] GENENTECH, INC., US
[85] 2010-01-04
[86] 2008-07-03 (PCT/US2008/069144)
[87] (WO2009/006567)
[30] US (60/948,138) 2007-07-05
[30] US (61/020,088) 2008-01-09

[11] **2,695,154**
[13] C

[51] **Int.Cl. H04W 28/04 (2009.01) H04W 88/02 (2009.01) H04W 88/08 (2009.01)**

[25] EN

[54] **ERROR DETECTION ON DOWNLINK DATA IN A RADIO COMMUNICATION SYSTEM**

[54] **DETECTION D'ERREUR DANS DES DONNEES DE LIAISON DESCENDANTE DANS UN SYSTEME DE COMMUNICATION PAR RADIO**

[72] YANO, TETSUYA, JP
[72] OBUCHI, KAZUHISA, JP
[72] SHIMOMURA, TSUYOSHI, JP
[73] FUJITSU LIMITED, JP
[85] 2010-01-29
[86] 2007-08-10 (PCT/JP2007/065786)
[87] (WO2009/022402)

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[11] **2,696,246**
[13] C

- [51] **Int.Cl. B01J 8/26 (2006.01)**
[25] EN
[54] **FLUIDIZED BED REACTOR SYSTEM**
[54] **SYSTEME DE REACTEURS A LIT FLUIDISE**
[72] PROELL, TOBIAS, AT
[72] KOLBITSCH, PHILIPP, AT
[72] BOLHAR-NORDENKAMPF, JOHANNES, AT
[72] HOFBAUER, HERMANN, AT
[73] TECHNISCHE UNIVERSITAET WIEN, AT
[85] 2010-02-12
[86] 2008-08-14 (PCT/AT2008/000287)
[87] (WO2009/021258)
[30] AT (A 1272/2007) 2007-08-14

[11] **2,698,715**
[13] C

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[54] **SYSTEME DE BARRIERE**
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[73] FORTRESS IRON, LP, US
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[54] **SYSTEMES DE COUPLAGE DE GUIDAGE**
[72] ROOP, STEPHEN S., US
[73] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2010-04-08
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[11] **2,705,143**
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[54] **POLYOLEFINES RETICULEES POUR DES APPLICATIONS BIOMEDICALES ET LEUR PROCEDE DE FABRICATION**
[72] ZHOU, YONGHUA, US
[72] PINCHUK, LEONARD, US
[73] INNOLINE LLC, US
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[54] **DROP-OUT STEAM PROFILING CARTRIDGE**
[54] **CARTOUCHE DE PROFILAGE DE VAPEUR DE CHUTE**
[72] VISSER, GLEN JOHN, CA
[73] HONEYWELL ACSA INC., CA
[85] 2010-07-07
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[13] C

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[54] **MOBILE DELIVERY PLATFORM FOR FLOWABLE EXPLOSIVE**
[54] **PLATEFORME DE DISTRIBUTION MOBILE POUR EXPLOSIF FLUIDE**
[72] RANCOURT, MARC, US
[73] ORICA EXPLOSIVES TECHNOLOGY PTY LTD, AU
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[25] EN
[54] **OIL RECOVERY EMPLOYING ALKYLENE CARBONATES**
[54] **EXTRACTION DES HUILES A L'AIDE DE CARBONATES D'ALKYLENE**
[72] LEWIS, DAVID C., US
[72] SALAZAR, LUIS C., US
[72] MACHAC, JAMES R., JR., US
[73] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2010-07-07
[86] 2009-01-15 (PCT/US2009/031074)
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[25] EN
[54] **AXIAL FACE SEAL ASSEMBLY, MOUNTING METHOD AND MOUNTING FIXTURE**
[54] **ENSEMBLE JOINT A FACE AXIALE, PROCEDE DE MONTAGE ET DISPOSITIF DE MONTAGE**
[72] ERIKSSON, SIVERT, SE
[73] XYLEM IP HOLDINGS LLC, US
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[54] **ELASTIC TUBULAR DEVICE AND INFLATABLE HEAD HARNESS FOR AIRCRAFT BREATHING MASK**
[54] **DISPOSITIF TUBULAIRE ELASTIQUE ET HARNAIS DE TETE GONFLABLE POUR MASQUE RESPIRATOIRE POUR AVION**
[72] DUSSART, LAURENT, FR
[72] SCHOETTEL, REMY, FR
[72] GRETER, VINCENT, FR
[73] ZODIAC AEROTECHNICS, FR
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[25] EN
[54] **METHOD FOR PRODUCTION OF CARBON NANOSTRUCTURES**
[54] **PROCEDE DE PRODUCTION DE NANOSTRUCTURES DE CARBONE**
[72] RIEHL, BILL L., US
[72] RIEHL, JIM R., US
[72] RIEHL, LEE R., US
[73] SCNTE, LLC, US
[85] 2010-10-06
[86] 2009-04-07 (PCT/US2009/039737)
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[13] C

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[25] EN
[54] **GREEN MINING: PROCESS OF CYANIDE-FREE BIOLEACHING AND BIOADSORPTION OF PRECIOUS METALS**
[54] **EXPLOITATION MINIERE ECOLOGIQUE : PROCEDE DE BIOLIXIVIATION ET DE BIOADSORPTION DE METAUX PRECIEUX SANS CYANURE**
[72] ZINKE, HOLGER, DE
[72] GABOR, ESTHER, DE
[73] B.R.A.I.N. BIOTECHNOLOGY RESEARCH AND INFORMATION NETWORK AG, DE
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[13] C

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[25] EN
[54] **SYSTEM AND METHOD FOR DATA SIZE ADAPTATION IN A UE**
[54] **SYSTEME ET PROCEDE D'ADAPTATION DE LA TAILLE DES DONNEES DANS UN EQUIPEMENT D'UTILISATEUR**
[72] LUCKY, KUNDAN KUMAR, IN
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2010-10-21
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[30] IN (1065/CHE/2008) 2008-04-30

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[13] C

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[54] **FURNITURE KIT**
[54] **TROUSSE DE MOBILIER**
[72] BERGEVIN, LOUIS, CA
[72] LAJEUNESSE, ANNIE, CA
[73] LAJEUNESSE, ANNIE, CA
[73] SYSTEMES NUCO INC./NUCO SYSTEMS INC., CA
[86] (2722506)
[87] (2722506)
[22] 2010-11-25

[11] **2,722,676**
[13] C

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[25] EN
[54] **ALKALINE EARTH CARBONATE CONTAINING MINERAL FOR SURFACE CLEANING**
[54] **MINERAL CONTENANT DU CARBONATE ALCALINO-TERREUX POUR NETTOYAGE DE SURFACE**
[72] GANE, PATRICK A. C., CH
[72] BURI, MATTHIAS, CH
[72] SKOVBY, MICHAEL, CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2010-10-26
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[13] C

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[25] EN
[54] **SYNCHRONIZING VIRTUAL MACHINE AND APPLICATION LIFE CYCLES**
[54] **SYNCHRONISATION DES CYCLES DE VIE DE MACHINES VIRTUELLES ET D'APPLICATIONS**
[72] SEDUKHIN, IGOR, US
[72] ESHNER, DANIEL, US
[72] FRIES, ROBERT M., US
[72] NEARY, MICHAEL O., US
[72] NOSOV, ALEXANDER E., US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[11] **2,725,298**
[13] C

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[25] EN
[54] **COMMUNICATION BETWEEN A DOCUMENT EDITOR IN-SPACE USER INTERFACE AND A DOCUMENT EDITOR OUT-SPACE USER INTERFACE**
[54] **COMMUNICATION ENTRE UNE INTERFACE UTILISATEUR DANS L'ESPACE D'UN EDITEUR DE DOCUMENT ET UNE INTERFACE UTILISATEUR HORS DE L'ESPACE D'UN EDITEUR DE DOCUMENT**
[72] DUKHON, MARINA, US
[72] GORDNER, JONATHAN IAN, US
[72] SATTERFIELD, JESSE CLAY, US
[72] SINGH, NAVJOT, US
[72] TREVINO, MARIA FERNANDEZ, US
[72] ALBERTS, AMY E., US
[72] GUNTAUR, PAULA, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
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[54] **TUBULAR EXPANSION TOOL
AND METHOD**
[54] **OUTIL ET PROCEDE
D'EXPANSION DE COLONNE DE
FORAGE**
[72] BRADDICK, BRITT O., US
[73] TIW CORPORATION, US
[86] (2727080)
[87] (2727080)
[22] 2011-01-10
[30] US (12/685,075) 2010-01-11

[11] **2,728,515**
[13] C

[51] **Int.Cl. F03D 13/25 (2016.01) E02B
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[25] EN
[54] **STAYED CONNECTION FOR
WIND TURBINE**
[54] **RACCORD ETAYE POUR
EOLIENNE**
[72] FOSS, GUNNAR, NL
[73] OWEC TOWER AS, NO
[85] 2010-12-17
[86] 2009-06-22 (PCT/NO2009/000231)
[87] (WO2009/157775)
[30] NO (20082817) 2008-06-24

[11] **2,730,375**
[13] C

[51] **Int.Cl. H02H 3/30 (2006.01) H02H
1/00 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS
FOR PROVIDING DIFFERENTIAL
PROTECTION FOR AN
ELECTRICAL LINK IN A
MEDIUM, HIGH, OR VERY HIGH
VOLTAGE NETWORK**
[54] **UNE METHODE ET UN APPAREIL
SERVANT A OFFRIR UNE
PROTECTION DIFFERENTIELLE
POUR UN LIEN ELECTRIQUE
DANS UN RESEAU A TENSION
MOYENNE, ELEVEE OU TRES
ELEVEE**
[72] MARMONIER, JEAN, FR
[73] AREVA T&D PROTECTION &
CONTROLE, FR
[85] 2010-11-26
[86] 2009-05-29 (PCT/EP2009/056590)
[87] (WO2009/147078)
[30] FR (0853610) 2008-06-02

[11] **2,732,026**
[13] C

[51] **Int.Cl. H04W 88/04 (2009.01)**
[25] EN
[54] **CORRELATING REGISTRATIONS
ORIGINATING FROM A DEVICE**
[54] **CORRELATION DE
DECLARATIONS PROVENANT
D'UN DISPOSITIF**
[72] ATARIUS, ROOZBEH, US
[72] JIN, HAIPENG, US
[72] MAHENDRAN, ARUNGUNDRAM
C., US
[72] SUBRAMANIAN,
RAMACHANDRAN, US
[73] QUALCOMM INCORPORATED, US
[85] 2011-01-25
[86] 2009-08-06 (PCT/US2009/053001)
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[30] US (61/087,538) 2008-08-08
[30] US (12/512,552) 2009-07-30

[11] **2,742,110**
[13] C

[51] **Int.Cl. G06F 21/53 (2013.01) H04W
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[25] EN
[54] **ISOLATING RECEIVED
INFORMATION ON A LOCKED
DEVICE**
[54] **ISOLEMENT DE DONNEES
RECUES SUR UN DISPOSITIF
VERROUILLE**
[72] WEBER, KARON A., US
[72] WOODCOCK, KATRIKA, US
[72] RODENHOUSE, JENNIFER
LAUREN, US
[72] HAMILTON, ALISTAIR, US
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[25] EN
[54] **PIERCING STANDOFF**
[54] **ENTRETOISE PERFORANTE**
[72] MALONEY, MICHAEL, US
[73] PEM MANAGEMENT, INC., US
[85] 2011-05-16
[86] 2009-11-11 (PCT/US2009/063951)
[87] (WO2010/059469)
[30] US (61/116,863) 2008-11-21

[11] **2,744,820**
[13] C

[51] **Int.Cl. A61K 31/505 (2006.01) A61K
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[25] EN
[54] **PROCESS FOR OBTAINING A
ROSUVASTATIN CALCIUM
COMPOSITION AND OBTAINED
PRODUCT**
[54] **PROCEDE D'OBTENTION D'UNE
COMPOSITION DE
ROSUVASTATINE CALCIQUE ET
PRODUIT OBTENU**
[72] MAYA AYALA, KENIA LIZETH, MX
[72] ESTRADA FLORES, LUIS, MX
[73] PSICOFARMA S.A. DE C.V., MX
[85] 2011-05-09
[86] 2009-07-29 (PCT/MX2009/000081)
[87] (WO2010/053343)
[30] MX (MX/a/2008/014321) 2008-11-10

[11] **2,746,562**
[13] C

[51] **Int.Cl. B23B 27/10 (2006.01) B23Q
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[25] EN
[54] **CUTTING TOOL HAVING A
RETRACTABLE NOZZLE**
[54] **OUTIL DE COUPE AYANT UNE
BUSE RETRACTABLE**
[72] AMSTIBOVITSKY, LEONID, IL
[72] NEIMAN, GRIGORI, IL
[73] ISCAR LTD., IL
[85] 2011-06-10
[86] 2010-01-26 (PCT/IL2010/000062)
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[30] IL (197095) 2009-02-17

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[13] C

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[25] EN
[54] **A SUBSCRIBER UNIT AND METHOD FOR USE IN A WIRELESS COMMUNICATION SYSTEM**
[54] **UNITE D'ABONNE ET PROCEDE UTILE DANS UN SYSTEME DE TELECOMMUNICATIONS SANS FIL**
[72] ODENWALDER, JOSEPH P., US
[73] QUALCOMM INCORPORATED, US
[86] (2748611)
[87] (2748611)
[22] 1998-05-13
[62] 2,463,381
[30] US (08/856,428) 1997-05-14

[11] **2,749,000**
[13] C

[51] **Int.Cl. B01L 3/00 (2006.01) A01N 1/02 (2006.01)**
[25] EN
[54] **A STORAGE VESSEL AND A BREAK TOOL FOR DIVIDING SUCH VESSEL**
[54] **RECIPIENT DE STOCKAGE ET OUTIL DE RUPTURE POUR DIVISER LEDIT RECIPIENT**
[72] ANDERSEN, OVE, DK
[72] HANSEN, BIRGITTE RONDE, DK
[72] PETERSEN, JANNE, DK
[73] PETERSEN, JANNE, DK
[73] ANDERSEN, OVE, DK
[85] 2011-07-05
[86] 2008-12-30 (PCT/DK2008/050338)
[87] (WO2009/086829)
[30] DK (PA 2008 00021) 2008-01-07

[11] **2,750,191**
[13] C

[51] **Int.Cl. B23K 9/10 (2006.01)**
[25] EN
[54] **ENGINE-DRIVEN GENERATOR SPEED CONTROL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE VITESSE D'UN GENERATEUR ENTRAINE PAR UN MOTEUR**
[72] RADTKE, DAVID EDWIN, US
[72] FOSBINDER, DANIEL C., US
[72] GITTER, JOSEPH CARL, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2011-07-12
[86] 2009-11-30 (PCT/US2009/066060)
[87] (WO2010/087895)
[30] US (12/363,131) 2009-01-30

[11] **2,754,500**
[13] C

[51] **Int.Cl. A63H 33/00 (2006.01)**
[25] EN
[54] **ACTION FIGURE CARD TRANSFORMABLE BETWEEN A TWO-DIMENSIONAL STATE AND A THREE-DIMENSIONAL STATE**
[54] **CARTE DE FIGURINE D'ACTION TRANSFORMABLE D'UN ETAT DE DEUX DIMENSIONS A UN ETAT DE TROIS DIMENSIONS**
[72] PRUZANSKY, AMY, CA
[72] MCDONALD, DAVID LEWIS, CA
[73] SPIN MASTER LTD., CA
[86] (2754500)
[87] (2754500)
[22] 2011-10-07

[11] **2,761,821**
[13] C

[51] **Int.Cl. C09K 8/58 (2006.01) C08L 29/04 (2006.01) C08L 33/00 (2006.01) C08L 39/06 (2006.01) C09K 8/588 (2006.01)**
[25] EN
[54] **NOVEL FORMULATIONS OF WATER-SOLUBLE POLYMERS AND STABILIZING ADDITIVES FOR INJECTING A SINGLE COMPOUND USEABLE IN INJECTION FLUIDS FOR CHEMICAL ENHANCED OIL RECOVERY**
[54] **NOUVELLES FORMULATIONS DE POLYMERES HYDROSOLUBLES ET D'ADDITIFS STABILISANTS POUR L'INJECTION D'UN SEUL COMPOSE UTILISABLE DANS DES FLUIDES D'INJECTION POUR UNE METHODE CHIMIQUE DE RECUPERATION AMELIOREE DU PETROLE**
[72] FAVERO, CEDRICK, FR
[72] GAILLARD, NICOLAS, FR
[72] GIOVANNETTI, BRUNO, FR
[73] S.P.C.M. SA, FR
[85] 2011-11-14
[86] 2009-06-12 (PCT/EP2009/057270)
[87] (WO2010/133258)
[30] FR (0953258) 2009-05-18

[11] **2,763,517**
[13] C

[51] **Int.Cl. H01R 13/04 (2006.01) H02H 3/16 (2006.01) H01H 83/02 (2006.01)**
[25] EN
[54] **LOW PROFILE ELECTRICAL DEVICE ASSEMBLY**
[54] **DISPOSITIF ELECTRIQUE A PROFIL SURBAISSE**
[72] PADRO, KENNY, US
[73] HUBBELL INCORPORATED, US
[86] (2763517)
[87] (2763517)
[22] 2012-01-03
[30] US (13/010,221) 2011-01-20

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[11] **2,766,585**
[13] C

[51] **Int.Cl. C12N 15/53 (2006.01) C10L 1/19 (2006.01) C12N 9/02 (2006.01) C12N 15/70 (2006.01) C12N 15/81 (2006.01) C12P 7/02 (2006.01)**

[25] EN

[54] **PRODUCTION OF FATTY ALCOHOLS WITH FATTY ALCOHOL FORMING ACYL-COA REDUCTASES (FAR)**

[54] **PRODUCTION D'ALCOOLS GRAS AVEC DES ACYL-COA REDUCTASES (FAR) FORMANT DES ALCOOLS GRAS**

[72] MCDANIEL, ROBERT, US
[72] BEHROUZIAN, BEHNAZ, US
[72] CLARK, LOUIS, US
[72] HATTENDORF, DOUGLAS, US
[72] VALLE, FERNANDO, US
[73] CODEXIS, INC., US
[85] 2011-12-22
[86] 2010-06-29 (PCT/US2010/040368)
[87] (WO2011/008535)
[30] US (61/221,934) 2009-06-30
[30] US (61/315,380) 2010-03-18

[11] **2,771,768**
[13] C

[51] **Int.Cl. H02S 20/22 (2014.01)**

[25] EN

[54] **FLEXIBLE SOLAR PANEL WITH A MULTILAYER FILM**

[54] **PANNEAU SOLAIRE FLEXIBLE AVEC UN FILM MULTICOUCHE**

[72] TAYLOR, THOMAS J., US
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US
[85] 2012-02-21
[86] 2010-11-01 (PCT/US2010/055024)
[87] (WO2012/021145)
[30] US (61/256,812) 2009-10-30

[11] **2,779,438**
[13] C

[51] **Int.Cl. A61F 2/46 (2006.01) A61F 2/44 (2006.01)**

[25] EN

[54] **SELF-PIVOTING SPINAL IMPLANT AND ASSOCIATED INSTRUMENTATION**

[54] **IMPLANT RACHIDIEN AUTO-ROTATIF ET INSTRUMENTS ASSOCIES**

[72] LINDENMANN, PHILIPPE, CH
[72] SAIDHA, SEAN, CH
[72] BAUDOIN, CYRIL, FR
[72] FATONE, PETER, US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2012-04-30
[86] 2009-11-05 (PCT/US2009/063371)
[87] (WO2011/056172)

[11] **2,784,090**
[13] C

[51] **Int.Cl. G10L 15/26 (2006.01) H04M 3/56 (2006.01)**

[25] EN

[54] **CONFERENCED VOICE TO TEXT TRANSCRIPTION**

[54] **TRANSCRIPTION ECRITE D'UN APPEL CONFERENCE**

[72] GARCIA, JUAN MARTIN, CA
[73] BLACKBERRY LIMITED, CA
[86] (2784090)
[87] (2784090)
[22] 2012-07-27
[30] US (13/223,652) 2011-09-01

[11] **2,785,826**
[13] C

[51] **Int.Cl. H04L 12/70 (2013.01) H04W 80/08 (2009.01) H04L 29/06 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR ALLOWING VARIED FUNCTIONALITY BASED ON MULTIPLE TRANSMISSIONS**

[54] **PROCEDE ET SYSTEME DESTINES A PERMETTRE UNE FONCTIONNALITE VARIEE SUR LA BASE DE TRANSMISSIONS MULTIPLES**

[72] ARZELIER, CLAUDE JEAN-FREDERIC, FR
[72] ISLAM, MUHAMMAD KHALEDUL, CA
[73] BLACKBERRY LIMITED, CA
[85] 2012-06-28
[86] 2010-12-21 (PCT/CA2010/002031)
[87] (WO2011/079379)
[30] EP (09180936.8) 2009-12-30

[11] **2,786,594**
[13] C

[51] **Int.Cl. B60T 8/18 (2006.01) F16H 59/14 (2006.01) G01G 19/08 (2006.01)**

[25] EN

[54] **MASS, DRAG COEFFICIENT AND INCLINATION DETERMINATION USING ACCELEROMETER SENSOR**

[54] **MASSE, COEFFICIENT DE TRAINEE ET DETERMINATION DE L'INCLINAISON AU MOYEN D'UN CAPTEUR A ACCELEROMETRE**

[72] DOURRA, HUSSEIN A., US
[72] HALL, MICHAEL A., US
[72] HARTMAN, PETER G., US
[73] CHRYSLER GROUP LLC, US
[85] 2012-07-06
[86] 2011-01-06 (PCT/US2011/020308)
[87] (WO2011/085060)
[30] US (12/684,145) 2010-01-08

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[11] **2,787,006**
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[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/137 (2014.01) H04N 19/14 (2014.01) H04N 19/176 (2014.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ENCODING AND DECODING MOTION VECTOR**

[54] **PROCEDE ET APPAREIL POUR ENCODER ET DECODER UN VECTEUR DE MOUVEMENT**

[72] LEE, TAMMY, KR
[72] HAN, WOO-JIN, KR
[72] MIN, JUNG-HYE, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2012-07-12
[86] 2011-01-14 (PCT/KR2011/000301)
[87] (WO2011/087321)
[30] KR (10-2010-0003554) 2010-01-14

[11] **2,787,248**
[13] C

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61P 3/04 (2006.01) A61P 7/04 (2006.01) A61P 9/10 (2006.01) A61P 11/02 (2006.01) A61P 11/06 (2006.01) A61P 15/08 (2006.01) A61P 17/00 (2006.01) A61P 17/04 (2006.01) A61P 17/10 (2006.01) A61P 19/02 (2006.01) A61P 21/00 (2006.01) A61P 25/04 (2006.01) A61P 25/20 (2006.01) A61P 27/14 (2006.01) A61P 27/16 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01) A61P 43/00 (2006.01) C07D 401/12 (2006.01) C07D 409/12 (2006.01)**

[25] EN

[54] **PIPERAZINE COMPOUND HAVING A PGDS INHIBITORY EFFECT**

[54] **COMPOSE DE PIPERAZINE AYANT UN EFFET INHIBITEUR DES PROSTAGLANDINES**

[72] URADE, YOSHIHIRO, JP
[72] KITADE, MAKOTO, JP
[72] SHIGENO, KAZUHIKO, JP
[72] YAMANE, KEIKO, JP
[72] TANAKA, KATSUNAO, JP
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
[85] 2012-07-16
[86] 2011-01-19 (PCT/JP2011/050840)
[87] (WO2011/090062)
[30] JP (2010-012501) 2010-01-22

[11] **2,789,684**
[13] C

[51] **Int.Cl. G06T 11/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR GENERATING A USER INTERFACE**

[54] **PROCEDE ET DISPOSITIF PERMETTANT DE GENERER UNE INTERFACE UTILISATEUR**

[72] ZHOU, HUANYU, CN
[72] GU, XIAOYUAN, CN
[72] TU, QIANG, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2012-08-10
[86] 2011-01-07 (PCT/CN2011/070068)
[87] (WO2011/097965)
[30] CN (201010109033.1) 2010-02-11

[11] **2,790,022**
[13] C

[51] **Int.Cl. H04W 24/00 (2009.01) H04B 1/76 (2006.01) H04L 27/34 (2006.01)**

[25] EN

[54] **QUADRATURE IMBALANCE ESTIMATION USING UNBIASED TRAINING SEQUENCES**

[54] **ESTIMATION DE DESEQUILIBRE EN QUADRATURE A L'AIDE DE SEQUENCES D'APPRENTISSAGE SANS BIAIS**

[72] CHRABIEH, RABIH, US
[72] SOLIMAN, SAMIR S., US
[73] QUALCOMM INCORPORATED, US
[86] (2790022)
[87] (2790022)
[22] 2008-03-07
[62] 2,678,160
[30] US (11/648,566) 2007-03-09
[30] US (60/896,480) 2007-03-22
[30] US (11/755,719) 2007-05-30
[30] US (11/853,808) 2007-09-11
[30] US (11/853,809) 2007-09-11

[11] **2,792,914**
[13] C

[51] **Int.Cl. F16J 15/38 (2006.01) F16J 15/34 (2006.01) F16J 15/54 (2006.01)**

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[54] **SPLIT SEAL ASSEMBLY AND METHOD**

[54] **ENSEMBLE GARNITURE D'ETANCHEITE SECABLE ET PROCEDE**

[72] DUDEK, DAVID M., US
[73] JOHN CRANE INC., US
[85] 2012-09-11
[86] 2011-03-14 (PCT/US2011/028362)
[87] (WO2011/115915)
[30] US (61/313,975) 2010-03-15

[11] **2,794,976**
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01) H04W 80/10 (2009.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR COMMUNICATION PROTOCOL MAPPING**

[54] **SYSTEMES ET METHODES DE MAPPAGE DE PROTOCOLE DE COMMUNICATION**

[72] DO, TU DIEN, CA
[72] NAYAR, KAPIL, CA
[72] LIU, DONG, CA
[73] BLACKBERRY LIMITED, CA
[86] (2794976)
[87] (2794976)
[22] 2012-11-08
[30] US (61/557,651) 2011-11-09
[30] EP (12153949.8) 2012-02-03

[11] **2,801,914**
[13] C

[51] **Int.Cl. H01J 49/06 (2006.01) H01J 27/16 (2006.01) H01J 49/26 (2006.01)**

[25] EN

[54] **ION GUIDE AND ELECTRODE FOR ITS ASSEMBLY**

[54] **ELECTRODES POUR L'ASSEMBLAGE D'UN GUIDE A IONS**

[72] SPLENDRE, MAURIZIO A., US
[72] ZANON, STEPHEN, US
[73] BRUKER DALTONICS, INC., US
[86] (2801914)
[87] (2801914)
[22] 2013-01-08
[30] US (13/347.754) 2012-01-11

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[11] **2,804,044**

[13] C

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[25] EN
[54] **FIDUCIAL SYSTEMS FOR MAMMOGRAPHY**
[54] **SYSTEMES DE REFERENCE POUR UNE MAMMOGRAPHIE**
[72] SKLANSKY, JACK, US
[72] KLEIN, JEFFREY, US
[73] IMAGE MINING, INC., US
[85] 2012-12-27
[86] 2011-06-15 (PCT/US2011/040547)
[87] (WO2011/159812)
[30] US (61/355,074) 2010-06-15

[11] **2,811,458**

[13] C

- [51] **Int.Cl. A62D 1/06 (2006.01)**
[25] EN
[54] **FIRE EXTINGUISHING COMPOSITION GENERATING FIRE EXTINGUISHING SUBSTANCE THROUGH HIGH-TEMPERATURE DECOMPOSITION**
[54] **COMPOSITION D'EXTINCTION D'INCENDIE GENERANT UNE SUBSTANCE D'EXTINCTION D'INCENDIE PAR DECOMPOSITION A HAUTE TEMPERATURE**
[72] GUO, HONGBAO, CN
[72] LIU, HONGHONG, CN
[72] ZHAO, XIAOQING, CN
[73] XI'AN J&R FIRE FIGHTING EQUIPMENT CO., LTD., CN
[85] 2013-03-15
[86] 2011-09-07 (PCT/CN2011/079429)
[87] (WO2012/034494)
[30] CN (201010285531.1) 2010-09-16

[11] **2,811,459**

[13] C

- [51] **Int.Cl. A62D 1/06 (2006.01)**
[25] EN
[54] **COMPOSITION GENERATING FIRE EXTINGUISHING SUBSTANCE THROUGH CHEMICAL REACTION OF INGREDIENTS AT HIGH TEMPERATURE**
[54] **COMPOSITION GENERANT UNE SUBSTANCE D'EXTINCTION D'INCENDIE PAR REACTION CHIMIQUE D'INGREDIENTS A TEMPERATURE ELEVEE**
[72] GUO, HONGBAO, CN
[72] ZHANG, WEIPENG, CN
[72] ZHANG, SANXUE, CN
[73] XI'AN J&R FIRE FIGHTING EQUIPMENT CO., LTD., CN
[85] 2013-03-15
[86] 2011-09-07 (PCT/CN2011/079428)
[87] (WO2012/034493)
[30] CN (201010285497.8) 2010-09-16

[11] **2,811,743**

[13] C

- [51] **Int.Cl. A62D 1/06 (2006.01)**
[25] EN
[54] **FIRE EXTINGUISHING COMPOSITION GENERATING FIRE EXTINGUISHING SUBSTANCE BY HIGH TEMPERATURE SUBLIMATION**
[54] **COMPOSITION D'EXTINCTION D'INCENDIE PRODUISANT UNE SUBSTANCE D'EXTINCTION D'INCENDIE PAR SUBLIMATION A HAUTE TEMPERATURE**
[72] GUO, HONGBAO, CN
[72] LIU, HONGHONG, CN
[72] ZHAO, XIAOQING, CN
[73] XI'AN J&R FIRE FIGHTING EQUIPMENT CO., LTD., CN
[85] 2013-03-15
[86] 2011-09-07 (PCT/CN2011/079424)
[87] (WO2012/034490)
[30] CN (201010285513.3) 2010-09-16

[11] **2,812,649**

[13] C

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[25] EN
[54] **CRYSTALLINE NALOXOL-PEG CONJUGATE**
[54] **CONJUGUE CRISTALLIN DE NALOXOL-PEG**
[72] ASLUND, BENGT LEONARD, SE
[72] AURELL, CARL-JOHAN, SE
[72] BOHLIN, MARTIN HANS, SE
[72] SEBHATU, TESFAI, SE
[72] YMEN, BO INGVAR, SE
[72] HEALY, ERIC THOMAS, US
[72] JENSEN, DAVID RICHARD, US
[72] JONAITIS, DAVID THOMAS, US
[72] PARENT, STEPHAN, US
[73] ASTRAZENECA AB, SE
[73] NEKTAR THERAPEUTICS, US
[85] 2013-03-26
[86] 2011-09-29 (PCT/SE2011/051161)
[87] (WO2012/044243)
[30] US (61/388,501) 2010-09-30

[11] **2,813,487**

[13] C

- [51] **Int.Cl. B02C 18/06 (2006.01) B02C 18/18 (2006.01) B02C 23/00 (2006.01)**
[25] EN
[54] **SHREDDING RECYCLABLE MATERIAL CONTAINING INFORMATION**
[54] **DECHIQUETAGE DE MATERIAU RECYCLABLE CONTENANT DES INFORMATIONS**
[72] YAMAMOTO, DAVID, CA
[72] JOHNS, JUSTIN, CA
[72] VASILESCU, CONSTANTIN, CA
[72] PEPINO, DEREK, CA
[72] ALLEN, BRENT, CA
[73] SHRED-TECH CORPORATION, CA
[85] 2013-04-03
[86] 2012-01-13 (PCT/IB2012/000201)
[87] (WO2012/095750)
[30] US (61/433,064) 2011-01-14

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[13] C

[51] **Int.Cl. H04W 4/12 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING APPLICATIONS TO COMMUNICATE USING A PEER-TO-PEER (P2P) SYSTEM**
[54] **SYSTEME ET PROCEDE POUR ACTIVER DES APPLICATIONS PERMETTANT DE COMMUNIQUER AU MOYEN D'UN SYSTEME D'HOMOLOGUE A HOMOLOGUE (P2P)**
[72] HUNG, MICHAEL HIN KAI, CA
[72] VIRANI, BARKET, CA
[73] BLACKBERRY LIMITED, CA
[85] 2013-04-23
[86] 2011-10-24 (PCT/CA2011/001174)
[87] (WO2012/055013)
[30] US (61/406,386) 2010-10-25

[11] **2,815,996**
[13] C

[51] **Int.Cl. A61K 8/19 (2006.01) A61K 8/26 (2006.01) A61K 8/37 (2006.01) A61K 8/92 (2006.01) A61Q 1/10 (2006.01)**
[25] EN
[54] **SEMI-PERMANENT MASCARA COMPOSITIONS**
[54] **COMPOSITIONS DE MASCARA SEMI-PERMANENT**
[72] DEMPSEY, JAMES HERMAN, US
[72] RABE, THOMAS ELLIOT, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2013-04-25
[86] 2011-10-20 (PCT/US2011/057104)
[87] (WO2012/058095)
[30] US (61/455,843) 2010-10-27
[30] US (13/274,852) 2011-10-17

[11] **2,821,337**
[13] C

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 47/00 (2012.01) G06F 19/00 (2011.01)**
[25] EN
[54] **METHOD AND SYSTEM OF CALCULATING A FAULT THROW**
[54] **PROCEDE ET SYSTEME DE CALCUL D'UN REJET DE FAILLE**
[72] XU, ZITAO, US
[72] CHAMBERS, RICHARD L., US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2013-06-12
[86] 2011-01-05 (PCT/US2011/020157)
[87] (WO2012/093998)

[11] **2,824,895**
[13] C

[51] **Int.Cl. H02J 3/36 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **A HIGH VOLTAGE DC POWER SOURCE AND A POWER APPARATUS FOR A HIGH VOLTAGE ELECTRICAL POWER SYSTEM**
[54] **SOURCE D'ALIMENTATION ELECTRIQUE CONTINUE A HAUTE TENSION ET APPAREIL DE PUISSANCE POUR UN SYSTEME ELECTRIQUE A HAUTE TENSION**
[72] LARSSON, TOMAS, SE
[72] HOSINI, FALAH, SE
[73] ABB TECHNOLOGY AG, CH
[85] 2013-07-16
[86] 2011-01-18 (PCT/EP2011/050560)
[87] (WO2012/097866)

[11] **2,830,681**
[13] C

[51] **Int.Cl. F23R 3/00 (2006.01)**
[25] EN
[54] **REHEAT BURNER ARRANGEMENT**
[54] **AGENCEMENT DE BRULEUR DE RECHAUFFAGE**
[72] WOOD, JOHN PHILIP, CH
[72] CIANI, ANDREA, CH
[72] THEUER, ANDRE, CH
[72] PENNELL, DOUGLAS ANTHONY, CH
[72] FREITAG, EWALD, CH
[73] ALSTOM TECHNOLOGY LTD, CH
[86] (2830681)
[87] (2830681)
[22] 2013-10-22
[30] EP (12190051.8) 2012-10-25

[11] **2,835,525**
[13] C

[51] **Int.Cl. B01F 17/14 (2006.01) C08J 3/03 (2006.01) C08K 5/09 (2006.01) C08K 5/101 (2006.01) C08L 91/00 (2006.01)**
[25] EN
[54] **DISPERSANTS HAVING BIOBASED COMPOUNDS**
[54] **DISPERSANTS AYANT DES COMPOSES D'ORIGINE BIOLOGIQUE**
[72] BASEETH, SHIREEN S., US
[72] TABUENA-SALYERS, TEODORA R., US
[72] SEBREE, BRUCE R., US
[73] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2013-11-07
[86] 2012-05-10 (PCT/US2012/037241)
[87] (WO2012/154917)
[30] US (61/484,293) 2011-05-10

[11] **2,840,268**
[13] C

[51] **Int.Cl. F21V 23/00 (2015.01)**
[25] EN
[54] **LED FLUORESCENT LAMP**
[54] **LAMPE FLUORESCENTE A DIODE ELECTROLUMINESCENTE**
[72] PARK, MYUNG KOO, KR
[73] KUMHO ELECTRIC CO., LTD., KR
[73] PARK, MYUNG KOO, KR
[85] 2013-11-18
[86] 2011-06-03 (PCT/KR2011/004089)
[87] (WO2012/157807)
[30] KR (10-2011-0047365) 2011-05-19

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[13] C

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[25] EN
[54] **BASE STATION SYNCHRONIZATION FOR HANDOVER IN A HYBRID GSM/CDMA NETWORK**
[54] **SYNCHRONISATION DE STATION DE BASE POUR TRANSFERT INTERCELLULAIRE DANS UN RESEAU HYBRIDE GSM/AMRC**
[72] GRILLI, FRANCESCO, US
[72] JAIN, AVINASH, US
[73] QUALCOMM INCORPORATED, US
[86] (2850221)
[87] (2850221)
[22] 2001-01-08
[62] 2,711,787
[30] US (09/479,414) 2000-01-07

[11] **2,857,245**
[13] C

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[25] EN
[54] **WIND PARAMETER INDICATION**
[54] **INDICATION DE PARAMETRE DE VENT**
[72] HALFON, ITZHAK, IL
[72] GLOZMAN, YANIV, IL
[72] GALIM, ITAY, IL
[73] VENTUS-PRODUCT DEVELOPMENT & CONSULTING LTD., IL
[85] 2014-05-28
[86] 2013-01-14 (PCT/IL2013/050036)
[87] (WO2013/118112)
[30] IL (217985) 2012-02-07

[11] **2,857,521**
[13] C

[51] **Int.Cl. C07C 233/25 (2006.01) A61K 31/167 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **LEUKOTRIENE B4 ANTAGONIST COMPOUND**
[54] **COMPOSE ANTAGONISTE DES LEUCOTRIENES B4**
[72] STACK, DOUGLAS RICHARD, US
[73] ELI LILLY AND COMPANY, US
[85] 2014-05-29
[86] 2013-01-04 (PCT/US2013/020195)
[87] (WO2013/106238)
[30] US (61/584,975) 2012-01-10
[30] US (61/585,799) 2012-01-12

[11] **2,857,598**
[13] C

[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **MOBILE AD HOC NETWORKING**
[54] **RESEAUTAGE AD HOC MOBILE**
[72] WISEMAN, JOSHUA, US
[72] GARCIA, DAVID HARRY, US
[72] TOKSVIG, MICHAEL JOHN MCKENZIE, US
[73] FACEBOOK, INC., US
[85] 2014-05-29
[86] 2012-12-06 (PCT/US2012/068161)
[87] (WO2013/086129)
[30] US (13/316,336) 2011-12-09

[11] **2,865,078**
[13] C

[51] **Int.Cl. E21B 17/042 (2006.01) E21B 17/08 (2006.01)**
[25] EN
[54] **AN EXPANDABLE THREADED TUBULAR CONNECTION**
[54] **RACCORD TUBULAIRE FILETE EXPANSIBLE**
[72] HASHEM, GHAZI J., US
[72] HARRALL, SIMON J., US
[72] RING, LEV M., US
[72] EVANS, MERLE E., US
[73] WEATHERFORD/LAMB, INC., US
[86] (2865078)
[87] (2865078)
[22] 2006-08-09
[62] 2,757,151
[30] US (11/201,499) 2005-08-11

[11] **2,865,231**
[13] C

[51] **Int.Cl. H02H 7/122 (2006.01) H02H 7/06 (2006.01) H02H 7/22 (2006.01)**
[25] EN
[54] **A DC-POWER SYSTEM WITH SYSTEM PROTECTION CAPABILITIES**
[54] **SYSTEME D'ALIMENTATION EN COURANT CONTINU DOTE DE CAPACITES DE PROTECTION DE SYSTEME**
[72] LINDTJORN, JOHN, NO
[73] ABB TECHNOLOGY LTD, CH
[85] 2014-08-21
[86] 2013-01-24 (PCT/EP2013/051314)
[87] (WO2013/127575)
[30] EP (12157487.5) 2012-02-29

[11] **2,868,599**
[13] C

[51] **Int.Cl. E01H 5/02 (2006.01)**
[25] EN
[54] **A SNOW SHOVEL AND PUSHER COMBINATION WITH 8 ADJUSTABLE SETTINGS**
[54] **UNE COMBINAISON DE PELLE A NEIGE ET GRATTE A 8 REGLAGES**
[72] IQBAL, MUHAMMAD MUZAFFAR, CA
[73] IQBAL, MUHAMMAD MUZAFFAR, CA
[86] (2868599)
[87] (2868599)
[22] 2014-10-21

[11] **2,871,305**
[13] C

[51] **Int.Cl. C22B 5/18 (2006.01) C01G 99/00 (2010.01) C22B 9/14 (2006.01) C22B 34/30 (2006.01) C25D 13/02 (2006.01) G21G 1/10 (2006.01) G21K 5/08 (2006.01) H05H 6/00 (2006.01) C01G 39/00 (2006.01)**
[25] EN
[54] **PROCESSES, SYSTEMS, AND APPARATUS FOR CYCLOTRON PRODUCTION OF TECHNETIUM-99M**
[54] **PROCEDES, SYSTEMES, ET APPAREIL DE PRODUCTION CYCLOTRONIQUE DE TECHNETIUM-99M**
[72] SCHAFFER, PAUL, CA
[72] BENARD, FRANCOIS, CA
[72] BUCKLEY, KENNETH R., CA
[72] HANEMAAAYER, VICTOIRE, CA
[72] MANUELA, CORNELIA HOEHR, CA
[72] KLUG, JULIUS ALEXANDER, CA
[72] KOVACS, MICHAEL S., CA
[72] MORLEY, THOMAS J., US
[72] RUTH, THOMAS J., CA
[72] VALLIANT, JOHN, CA
[72] ZEISLER, STEFAN K., CA
[72] DODD, MAURICE G., CA
[73] TRIUMF, CA
[85] 2014-10-23
[86] 2013-04-25 (PCT/CA2013/000409)
[87] (WO2013/159201)
[30] US (61/639,408) 2012-04-27
[30] US (61/640,610) 2012-04-30

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[11] **2,896,714**
[13] C

[51] **Int.Cl. G05D 1/02 (2006.01) G05D 1/03 (2006.01) G08G 1/0968 (2006.01) H04B 5/00 (2006.01) H04B 7/26 (2006.01)**

[25] EN

[54] **A CONTROL SYSTEM FOR VEHICLE IN A GUIDEWAY NETWORK**

[54] **SYSTEME DE COMMANDE DESTINE A UN VEHICULE DANS UN RESEAU DE VOIES DE GUIDAGE**

[72] KANNER, ABE, CA
[72] CHONG, NORMAN, CA
[73] THALES CANADA INC., CA
[85] 2015-06-26
[86] 2014-01-10 (PCT/IB2014/058181)
[87] (WO2014/108861)
[30] US (13/740,586) 2013-01-14

[11] **2,900,211**
[13] C

[51] **Int.Cl. C09K 15/30 (2006.01)**

[25] EN

[54] **LITHOGRAPHIC PRINTING PLATES PRECURSORS COMPRISING A RADIATION SENSITIVE IMAGEABLE LAYER WITH A CROSSLINKED SURFACE**

[54] **PRECURSEURS DE PLAQUES D'IMPRESSON LITHOGRAPHIQUE COMPRENANT UNE COUCHE RECEPTRICE SENSIBLE AU RAYONNEMENT DOTEE D'UNE SURFACE RETICULEE**

[72] NGUYEN, MY T., VN
[72] NGUYEN, THANH-SANG, VN
[72] LUU, THANH-DIEN, VN
[72] KIEN, T. THUY-LINH, VN
[73] MYLAN GROUP, VN
[86] (2900211)
[87] (2900211)
[22] 2015-06-15
[62] 2,894,385
[30] US (62/014,815) 2014-06-20
[30] US (62/031,904) 2014-08-01
[30] WO (PCT/CA2015/050536) 2015-06-10

[11] **2,903,734**
[13] C

[51] **Int.Cl. A61K 31/58 (2006.01) A61K 31/506 (2006.01) A61K 31/5575 (2006.01) A61P 17/14 (2006.01)**

[25] EN

[54] **COMPOSITIONS FOR REDUCING HAIR LOSS AND/OR INCREASING HAIR REGROWTH**

[54] **COMPOSITIONS DESTINEES A LA REDUCTION DE LA PERTE DE CHEVEUX OU A L'AUGMENTATION DE LA REPOUSSE DE CHEVEUX**

[72] SEKHAVAT, HOUFAR, CA
[73] TRIPLE HAIR INC., CA
[85] 2015-09-02
[86] 2015-05-22 (PCT/CA2015/000327)
[87] (2903734)
[30] US (62/002,397) 2014-05-23

[11] **2,911,378**
[13] C

[51] **Int.Cl. G01V 1/40 (2006.01)**

[25] EN

[54] **DETERMINING STIMULATED RESERVOIR VOLUME FROM PASSIVE SEISMIC MONITORING**

[54] **DETERMINATION DE VOLUME DE GISEMENT STIMULE A PARTIR D'UNE SURVEILLANCE SISMIQUE PASSIVE**

[72] NEUHAUS, CARL W., US
[73] MICROSEISMIC, INC., US
[85] 2015-11-03
[86] 2014-04-28 (PCT/US2014/035600)
[87] (WO2014/182479)
[30] US (61/820,748) 2013-05-08

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[21] 2,855,402 [13] A1	[21] 2,859,488 [13] A1	[21] 2,859,520 [13] A1
[51] Int.Cl. A61K 36/185 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61K 31/59 (2006.01) A61K 31/714 (2006.01) A61K 35/60 (2006.01) [25] EN [54] THE FORMULATION (FORMULA OR THE PRESCRIPTION OF INGREDIENTS) OF AN AGE DEFYING PRODUCT, WHICH IS FOR ANTI-AGEING/REVERSE OF AGE AND CORRECTING AGE ASSOCIATED DISEASES THROUGH REACTIVING TELOMERE ENZYME [54] FORMULATION (FORMULE OU PRESCRIPTION D'INGREDIENTS) D'UN PRODUIT ANTI-AGE CONCU POUR L'ANTI-AGE/L'INVERSION D'AGE ET LA CORRECTION DES MALADIES ASSOCIEES AU VIEILLISSEMENT PAR LE BIAIS DE LA REACTIVATION DE L'ENZYME DE TELOMERE [72] JIAN, MING, CA [71] JIAN, MING, CA [22] 2014-08-14 [41] 2016-02-14	[51] Int.Cl. H01T 13/34 (2006.01) H01T 13/06 (2006.01) [25] EN [54] IMPROVED SPARK PLUG [54] BOUGIE D'ALLUMAGE AMELIOREE [72] FARRELL, MARK, CA [72] FARRELL, RICHARD, CA [72] RUDA, HARRY E., CA [71] FARRELL, MARK, CA [71] FARRELL, RICHARD, CA [71] RUDA, HARRY E., CA [22] 2014-08-15 [41] 2016-02-15	[51] Int.Cl. G99Z 99/00 (2006.01) A63F 13/00 (2014.01) G06Q 90/00 (2006.01) A63B 67/00 (2006.01) E04H 3/00 (2006.01) E04H 3/10 (2006.01) [25] EN [54] LARGE FOLLOWING/POPULAR COMPETITIVE ACTIVITIES/INTERESTS AND SPORTS HALL OF FAME/ENTERNATINMENT WORLD [54] ACTIVITES COMPETITIVES ET INTERETS TRES COURUS ET POPULAIRES ET TEMPLES DE LA RENOMMEE SPORTIFS ET MONDE DU DIVERTISSEMENT [72] VOON, GERARD, CA [71] VOON, GERARD, CA [22] 2014-08-18 [41] 2016-02-18
[21] 2,859,439 [13] A1	[21] 2,859,511 [13] A1	[21] 2,859,525 [13] A1
[51] Int.Cl. B60J 3/00 (2006.01) B60J 3/02 (2006.01) G02B 5/20 (2006.01) [25] EN [54] UNIVERSAL METHOD AND APPARATUS FOR REDUCING SUN AND HEADLIGHTS GLARE [54] METHODE UNIVERSELLE ET APPAREIL DE REDUCTION DE L'EBLOUISSEMENT DU SOLEIL ET DES PHARES [72] LISTOVETS, VLAD (VLADISLAV) S., CA [71] LISTOVETS, VLAD (VLADISLAV) S., CA [22] 2014-08-15 [41] 2016-02-15	[51] Int.Cl. F24H 1/20 (2006.01) F24H 9/14 (2006.01) F24H 9/18 (2006.01) [25] EN [54] DOMESTIC GAS-FIRED WATER HEATER CONDENSING FLUE SYSTEM [54] SYSTEME DE CHEMINEE DE CONDENSATION D'UN CHAUFFE-EAU DOMESTIQUE ALIMENTE AU GAZ [72] LESAGE, CLAUDE, CA [72] LESAGE, JEAN-CLAUDE, CA [71] MICLAU-S.R.I. INC., CA [22] 2014-08-18 [41] 2016-02-18	[51] Int.Cl. G06F 9/44 (2006.01) G06F 3/14 (2006.01) [25] EN [54] METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR USING AN INTERMEDIATION FUNCTION [54] METHODE, SYSTEME ET PRODUIT DE PROGRAMME INFORMATIQUE DESTINES A L'UTILISATION D'UNE FONCTION INTERMEDIAIRE [72] HOUDE, ANDRE, CA [71] CLEVERANT, CA [22] 2014-08-15 [41] 2016-02-15
[21] 2,859,518 [13] A1	[21] 2,859,518 [13] A1	
[51] Int.Cl. E02D 29/14 (2006.01) H05B 3/00 (2006.01) [25] EN [54] CATCH BASIN GRATE [54] GRILLE POUR BASSIN COLLECTEUR [72] SADLER, BRENDA, CA [71] SADLER, BRENDA, CA [22] 2014-08-15 [41] 2016-02-15	[51] Int.Cl. E02D 29/14 (2006.01) H05B 3/00 (2006.01) [25] EN [54] CATCH BASIN GRATE [54] GRILLE POUR BASSIN COLLECTEUR [72] SADLER, BRENDA, CA [71] SADLER, BRENDA, CA [22] 2014-08-15 [41] 2016-02-15	

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[21] **2,859,529**
[13] A1

[51] **Int.Cl. E21B 43/34 (2006.01) E21B 33/03 (2006.01) E21B 41/00 (2006.01) E21B 43/00 (2006.01)**

[25] EN
[54] **OIL PRODUCTION SYSTEM**
[54] **MECANISME DE PRODUCTION DE PETROLE**

[72] RAJEWSKI, ROBERT C., CA
[71] RAJEWSKI, ROBERT C., CA
[22] 2014-08-15
[41] 2016-02-15

[21] **2,859,670**
[13] A1

[51] **Int.Cl. F16F 13/00 (2006.01) E04B 1/98 (2006.01) E04H 9/00 (2006.01) F16F 7/00 (2006.01) F16F 9/516 (2006.01)**

[25] EN
[54] **A NEW SELF CENTERING FRICTION DAMPER**
[54] **UN NOUVEL AMORTISSEUR AUTO-CENTRANT**

[72] SAEED MONIR, HABIB, CA
[71] SAEED MONIR, HABIB, CA
[22] 2014-08-15
[41] 2016-02-15

[21] **2,859,813**
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/10 (2006.01)**

[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR TREATING A RESERVOIR USING RE-CLOSEABLE SLEEVES**
[54] **APPAREIL, SYSTEME ET METHODE DE TRAITEMENT D'UN RESERVOIR A L'AIDE DE MANCHONS REFERMABLES**

[72] RAVENSBERGEN, JOHN, CA
[71] NCS OILFIELD SERVICES CANADA, INC., CA
[22] 2014-08-19
[41] 2016-02-19

[21] **2,859,817**
[13] A1

[51] **Int.Cl. F16D 59/00 (2006.01) F16D 41/00 (2006.01) F16D 41/064 (2006.01) E21B 41/00 (2006.01)**

[25] EN
[54] **METHOD AND APPARATUS FOR LIMITING ROTATION OF A DRIVE SHAFT IN A REVERSE DIRECTION**
[54] **METHODE ET APPAREIL DESTINES A LIMITER LA ROTATION D'UN ARBRE D'ENTRAINEMENT DANS UNE DIRECTION INVERSE**

[72] TEBAY, DEREK, CA
[71] BRIGHTLING EQUIPMENT LTD., CA
[22] 2014-08-19
[41] 2016-02-19

[21] **2,859,874**
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01)**

[25] EN
[54] **OIL WELL SAFETY VALVE APPARATUS AND METHOD**
[54] **DISPOSITIF DE VANNE DE SECURITE POUR PUIITS DE PETROLE ET METHODE**

[72] DAVIS, RAYMOND C., US
[71] DAVIS, RAYMOND C., US
[22] 2014-08-20
[41] 2016-02-20

[21] **2,859,935**
[13] A1

[51] **Int.Cl. C07C 5/42 (2006.01)**

[25] EN
[54] **HIGH CONVERSION AND SELECTIVITY ODH PROCESS**
[54] **PROCEDE DE DESHYDROGENATION OXYDE SELECTIF A TAUX ELEVE DE CONVERSION**

[72] SIMANZHENKOV, VASILY, CA
[72] GOODARZANIA, SHAHIN, CA
[72] KUSTOV, LEONID MODESTOVICH, RU
[72] KUCHEROV, ALEKSEY VICTOROVICH, RU
[72] FINASHINA, ELENA DMITRIEVNA, RU
[72] GAO, XIAOLIANG, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2014-08-20
[41] 2016-02-20

[21] **2,860,014**
[13] A1

[51] **Int.Cl. G01M 3/04 (2006.01) B67D 7/32 (2010.01) F17D 5/02 (2006.01)**

[25] EN
[54] **VIDEO BASED INDOOR LEAK DETECTION**
[54] **DETECTION DE FUITE INTERIEURE FONDEE SUR UNE VIDEO**

[72] BADAWY, WAEL, CA
[72] DU, SHAN, CA
[71] INTELLIVIEW TECHNOLOGIES INC., CA
[22] 2014-08-19
[41] 2016-02-19

[21] **2,860,017**
[13] A1

[51] **Int.Cl. H04L 9/32 (2006.01) H04L 12/16 (2006.01) H04L 12/58 (2006.01)**

[25] EN
[54] **METHODS OF ORGANIZATION AND MANAGEMENT OF COMPOSITE ONLINE USER IDENTITY**
[54] **METHODES D'ORGANISATION ET DE GESTION D'IDENTITE UTILISATEUR EN LIGNE MULTIPLE**

[72] MASLOV, ANDREY, CA
[72] MASLOVA, NATALIA, CA
[71] MASLOV, ANDREY, CA
[22] 2014-08-19
[41] 2016-02-19

[21] **2,860,038**
[13] A1

[51] **Int.Cl. A61K 31/137 (2006.01) A61K 9/22 (2006.01) A61K 31/194 (2006.01)**

[25] EN
[54] **EXTENDED RELEASE COMPOSITIONS**
[54] **COMPOSITIONS A LIBERATION PROLONGEE**

[72] KUNDU, SUBRATA, IN
[72] PATIL, ATUL, IN
[72] BORKAR, NITIN, IN
[71] GENERIC PARTNERS PTY. LTD., AU
[22] 2014-08-18
[41] 2016-02-18

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[21] **2,860,040**
[13] A1

[51] **Int.Cl. A63F 9/08 (2006.01)**
[25] EN
[54] **PUZZLE GAME APPARATUS, KIT, METHOD, AND COMPUTER READABLE MEDIUM**
[54] **APPAREIL DE JEU DE PUZZLE, TROUSSE, METHODE ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] RASMUSSEN, WILLIAM L., CA
[71] RASMUSSEN, WILLIAM L., CA
[22] 2014-08-18
[41] 2016-02-18

[21] **2,860,128**
[13] A1

[51] **Int.Cl. G21G 7/00 (2009.01) G21F 9/00 (2006.01) B01J 19/08 (2006.01)**
[25] EN
[54] **EXOTHERMIC TRANSMUTATION METHOD**
[54] **METHODE DE TRANSMUTATION EXOTHERMIQUE**
[72] DE BELLIS, GIUSEPPE, IT
[71] AD MAIORA LLC, US
[71] GAPMED LIMITED, CY
[22] 2014-08-20
[41] 2016-02-20

[21] **2,860,132**
[13] A1

[51] **Int.Cl. G08G 1/123 (2006.01) G08G 1/14 (2006.01) G01V 99/00 (2009.01) G01V 3/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR VEHICLE LOCATING AND SEQUENCING**
[54] **METHODE ET SYSTEME DE REPERAGE ET SEQUENCAGE DE VEHICULE**
[72] BARNES, SHARON ANN IRMA, CA
[72] BROOKS, MARTY CHARLES, CA
[72] ERNSDORFF, PAUL ANTHONY, US
[72] GRAY, DYLAN, US
[72] PENNINGTON SCOTT, WARREN MALCOLM, CA
[71] TRAPEZE SOFTWARE ULC, CA
[22] 2014-08-21
[41] 2016-02-20
[30] US (14/464,450) 2014-08-20

[21] **2,860,261**
[13] A1

[51] **Int.Cl. B65G 67/24 (2006.01) B65G 67/02 (2006.01)**
[25] EN
[54] **PORTABLE DRIVE-OVER CONVEYOR FOR UNLOADING TRUCKS**
[54] **CONVOYEUR PARALLELE PORTABLE SERVANT A DECHARGER DES CAMIONS**
[72] TOEWS, CARL, CA
[72] WIEBE, ED, CA
[71] CONVEY-ALL INDUSTRIES INC., CA
[22] 2014-08-20
[41] 2016-02-20

[21] **2,860,324**
[13] A1

[51] **Int.Cl. B60P 7/135 (2006.01) B62D 33/02 (2006.01)**
[25] EN
[54] **PROTECTIVE COVERING FOR ANY ADJUSTABLE LOAD BAR**
[54] **REVETEMENT PROTECTEUR UNIVERSEL POUR BARRE DE SUPPORT REGLABLE**
[72] MOCKLER, ANGELA, CA
[71] MOCKLER, ANGELA, CA
[22] 2014-08-20
[41] 2016-02-20

[21] **2,860,357**
[13] A1

[51] **Int.Cl. A61F 11/00 (2006.01) A61F 7/00 (2006.01) A61F 11/06 (2006.01)**
[25] EN
[54] **ELECTRIAL APPARATUS FOR TREATING EAR BAROTRAUMA**
[54] **APPAREIL ELECTRIQUE SERVANT A TRAITER LES BAROTRAUMATISMES DE L'OREILLE**
[72] CONNOR, CHRIS, CA
[71] LIFE FLIGHT AEROMEDICAL SOLUTIONS INC., CA
[22] 2014-08-20
[41] 2016-02-20

[21] **2,860,709**
[13] A1

[51] **Int.Cl. F16L 1/10 (2006.01) B23K 37/053 (2006.01) B25B 5/14 (2006.01) B25B 11/00 (2006.01) F16L 55/00 (2006.01)**
[25] EN
[54] **PIPE ALIGNING TOOL**
[54] **OUTIL D'ALIGNEMENT DE TUYAUX**
[72] BENDER, QUINN, CA
[71] BENDER, QUINN, CA
[22] 2014-08-26
[41] 2016-02-15
[30] US (14/460,906) 2014-08-15

[21] **2,861,802**
[13] A1

[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **CASCADING CALL NOTIFICATION SYSTEM AND METHOD**
[54] **SYSTEME DE NOTIFICATION D'APPEL EN CASCADE ET METHODE**
[72] MEYER, KARL, US
[72] TURNER, JONATHAN, US
[71] XPO LAST MILE, INC., US
[22] 2014-09-02
[41] 2016-02-15
[30] US (14/460,786) 2014-08-15

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[21] 2,864,630 [13] A1	[21] 2,864,635 [13] A1	[21] 2,864,640 [13] A1
[51] Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)	[51] Int.Cl. H04L 1/22 (2006.01) H04W 80/02 (2009.01) H04N 19/89 (2014.01) H04L 1/24 (2006.01)	[51] Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)
[25] EN	[25] EN	[25] EN
[54] LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 4/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME	[54] LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 16200 AND CODE RATE OF 3/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME	[54] LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 16200 AND CODE RATE OF 2/15, AND LOW DENSITY 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 4/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR	[54] CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 16 200 BITS ET UN TAUX DE CODE DE 3/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR	[54] CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 16 200 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] PARK, SUNG-IK, KR	[72] PARK, SUNG-IK, KR
[72] KIM, HEUNG-MOOK, KR	[72] KIM, HEUNG-MOOK, KR	[72] KIM, HEUNG-MOOK, KR
[72] KWON, SUN-HYOUNG, KR	[72] KWON, SUN-HYOUNG, KR	[72] KWON, SUN-HYOUNG, KR
[72] HUR, NAM-HO, KR	[72] HUR, NAM-HO, KR	[72] HUR, NAM-HO, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2014-09-25	[22] 2014-09-25	[22] 2014-09-25
[41] 2016-02-14	[41] 2016-02-14	[41] 2016-02-14
[30] KR (10-2014-0106180) 2014-08-14	[30] KR (10-2014-0106174) 2014-08-14	[30] KR (10-2014-0106173) 2014-08-14
[30] KR (10-2014-0120014) 2014-09-11	[30] KR (10-2014-0120009) 2014-09-11	[30] KR (10-2014-0120008) 2014-09-11

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[21] 2,864,644 [13] A1	[21] 2,864,647 [13] A1	[21] 2,864,650 [13] A1
[51] Int.Cl. H04L 1/22 (2006.01) H04W 80/02 (2009.01) H04N 19/89 (2014.01) H04L 1/24 (2006.01)	[51] Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)	[51] Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)
[25] EN	[25] EN	[25] EN
[54] LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 3/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME	[54] LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 16200 AND CODE RATE OF 4/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME	[54] LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 2/15, AND LOW DENSITY 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 3/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR	[54] CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 16 200 BITS ET UN TAUX DE CODE DE 4/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR	[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] PARK, SUNG-IK, KR	[72] PARK, SUNG-IK, KR
[72] KIM, HEUNG-MOOK, KR	[72] KIM, HEUNG-MOOK, KR	[72] KIM, HEUNG-MOOK, KR
[72] KWON, SUN-HYOUNG, KR	[72] KWON, SUN-HYOUNG, KR	[72] KWON, SUN-HYOUNG, KR
[72] HUR, NAM-HO, KR	[72] HUR, NAM-HO, KR	[72] HUR, NAM-HO, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR	[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[22] 2014-09-25	[22] 2014-09-25	[22] 2014-09-25
[41] 2016-02-14	[41] 2016-02-14	[41] 2016-02-14
[30] KR (10-2014-0106179) 2014-08-14	[30] KR (10-2014-0106175) 2014-08-14	[30] KR (10-2014-0106178) 2014-08-14
[30] KR (10-2014-0120013) 2014-09-11	[30] KR (10-2014-0120010) 2014-09-11	[30] KR (10-2014-0120012) 2014-09-11

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[21] **2,864,694**
[13] A1

[51] **Int.Cl. H04L 1/22 (2006.01) H04W 80/02 (2009.01) H04N 19/89 (2014.01) H04L 1/24 (2006.01)**

[25] EN

[54] **LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 16200 AND CODE RATE OF 5/15, AND LOW DENSITY PARITY CHECK ENCODING METHOD USING THE SAME**

[54] **CODEUR DE VERIFICATION DE PARITE A FAIBLE DENSITE AYANT UNE LONGUEUR DE 16 200 BITS ET UN TAUX DE CODE DE 5/15 ET PROCEDE DE CODAGE DE VERIFICATION DE PARITE A FAIBLE DENSITE EMPLOYANT LEDIT CODEUR**

[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] HUR, NAM-HO, KR
[72] KIM, HEUNG-MOOK, KR
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR

[22] 2014-09-25
[41] 2016-02-14
[30] KR (10-2014-0106176) 2014-08-14
[30] KR (10-2014-0120011) 2014-09-11

[21] **2,864,718**
[13] A1

[51] **Int.Cl. H03M 13/11 (2006.01) H04N 19/90 (2014.01)**

[25] EN

[54] **LOW DENSITY PARITY CHECK ENCODER HAVING LENGTH OF 64800 AND CODE RATE OF 5/15, AND LOW DENSITY 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 5/15 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
[71] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR

[22] 2014-09-25
[41] 2016-02-14
[30] KR (10-2014-0106181) 2014-08-14
[30] KR (10-2014-0117504) 2014-09-04

[21] **2,866,920**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01) H04W 52/02 (2009.01)**

[25] EN

[54] **CENTRAL CONTROLLER AND RESOURCE ALLOCATION METHOD THEREOF FOR USE IN A CELLULAR NETWORK**

[54] **CONTROLEUR CENTRAL ET METHODE D'ATTRIBUTION DE RESSOURCE ASSOCIEE DESTINES A UN RESEAU CELLULAIRE**

[72] YU, YA-JU, TW
[72] WEI, WEN-HSIN, TW
[72] LEU, CHUN-TEH, TW
[72] WAN, LI, TW
[71] INSTITUTE FOR INFORMATION INDUSTRY, TW

[22] 2014-10-10
[41] 2016-02-18
[30] TW (103128222) 2014-08-18

[21] **2,866,973**
[13] A1

[51] **Int.Cl. B81B 7/02 (2006.01) G01N 1/00 (2006.01)**

[25] EN

[54] **EQUAL-LIQUID-LEVEL RESERVOIR AND A MICROFLUIDIC BIOCHIP**

[54] **RESERVOIR A NIVEAU EGAL DE LIQUIDE ET BIOPUCE MICROFLUIDE**

[72] ZHUANG, BIN, CN
[71] SHENZHEN CREATECARE MEDICAL INSTRUMENT CO., LTD., CN

[22] 2014-10-09
[41] 2016-02-19
[30] CN (201410408919.4) 2014-08-19

[21] **2,868,549**
[13] A1

[51] **Int.Cl. B01F 1/00 (2006.01) B01F 15/04 (2006.01) C09K 3/18 (2006.01)**

[25] EN

[54] **MATERIAL MIXING SYSTEM**

[54] **DISPOSITIF DE MELANGE DE MATIERES**

[72] HUGHES, EVERETT, US
[72] NEILSON, GREG, US
[72] YAGIELA, PAUL, US
[71] DOUGLAS DYNAMICS, L.L.C., US

[22] 2014-10-22
[41] 2016-02-15
[30] US (14/460,667) 2014-08-15

[21] **2,872,406**
[13] A1

[51] **Int.Cl. A01M 23/16 (2006.01) A01M 29/30 (2011.01)**

[25] EN

[54] **BEAVER CONTROL DEVICE FOR USE WITH A CULVERT PIPE**

[54] **DISPOSITIF DE CONTROLE DES CASTORS DESTINE A UN TUYAU DE PONCEAU**

[72] FLEMING, WALTER, CA
[71] FLEMING, WALTER, CA

[22] 2014-11-27
[41] 2016-02-16

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[21] **2,879,039**
[13] A1

[51] **Int.Cl. A01B 15/20 (2006.01) A01B 7/00 (2006.01) A01B 15/16 (2006.01) A01B 23/06 (2006.01) A01B 51/00 (2006.01)**

[25] EN

[54] **WALKING BEAM CLOSING DISK ASSEMBLY**

[54] **ENSEMBLE DE BALANCIER ET DISQUE DE FERMETURE**

[72] JANELLE, LUC, US

[72] SPORRER, ADAM D., US

[72] NEFZGER, JEREMY, US

[71] DEERE & COMPANY, US

[22] 2015-01-21

[41] 2016-02-14

[30] US (14/459,894) 2014-08-14

[21] **2,879,045**
[13] A1

[51] **Int.Cl. A01B 63/32 (2006.01) A01B 15/14 (2006.01) A01B 51/00 (2006.01)**

[25] EN

[54] **AGRICULTURAL IMPLEMENT AND ATTACHMENT WITH DOWN PRESSURE CONTROL SYSTEM**

[54] **ACCESSOIRE AGRICOLE ET FIXATION COMPORTANT UN MECANISME DE COMMANDE A PRESSION VERS LE BAS**

[72] SPORRER, ADAM D., US

[72] JANELLE, LUC, US

[72] BLAUWET, BRYAN D., US

[72] ROSIN, THOMAS J., US

[72] CASPER, ROBERT T., US

[72] NEFZGER, JEREMY, US

[72] LARSEN, LUCAS B., US

[72] COX, PHILIP D., US

[71] DEERE & COMPANY, US

[22] 2015-01-21

[41] 2016-02-14

[30] US (14/459,967) 2014-08-14

[21] **2,885,072**
[13] A1

[51] **Int.Cl. H04M 3/22 (2006.01) G10L 17/26 (2013.01) H04L 29/06 (2006.01) H04M 3/527 (2006.01)**

[25] EN

[54] **AUTOMATED TESTING OF INTERACTIVE VOICE RESPONSE SYSTEMS**

[54] **TEST AUTOMATISE DE SYSTEMES DE REPONSE VOCALE INTERACTIFS**

[72] NATESAN, VIJAYCHANDAR, IN

[72] SARANGAPANI, RAJESH, IN

[72] CHATTERJEE, SURAJIT, IN

[71] ACCENTURE GLOBAL SERVICES LIMITED, IE

[22] 2015-03-13

[41] 2016-02-15

[30] US (14/460,797) 2014-08-15

[21] **2,887,193**
[13] A1

[51] **Int.Cl. H04L 12/58 (2006.01) G06Q 10/10 (2012.01)**

[25] EN

[54] **COMMERCIAL EMAIL MANAGEMENT SYSTEM**

[54] **SYSTEME DE GESTION DE COURRIEL COMMERCIAL**

[72] GRAHAM, TIMOTHY SCOTT, CA

[72] GILSON, ALAN JAMES, CA

[71] OTC SYSTEMS LTD., CA

[22] 2015-04-01

[41] 2016-02-16

[30] US (14/667,334) 2015-03-24

[21] **2,887,968**
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 33/128 (2006.01)**

[25] EN

[54] **RETRIEVABLE PACKER FOR OPERATIONS IN CASED WELLS AT HIGH PRESSURES**

[54] **GARNITURE RETIRABLE DESTINEE AUX OPERATIONS DANS LES Puits TUBES HAUTE PRESSION**

[72] CARRO, GUSTAVO IGNACIO, AR

[71] TACKER S.R.L., AR

[22] 2015-04-10

[41] 2016-02-20

[30] AR (2014 0103133) 2014-08-20

[21] **2,890,436**
[13] A1

[51] **Int.Cl. B01D 46/42 (2006.01)**

[25] EN

[54] **A DUST FILTRATION SYSTEM OF GAS MIXTURE OF HIGH TEMPERATURE OIL GAS, WATER VAPOR AND PRECIPITATION-PRONE CARBIDES**

[54] **UN MECANISME DE FILTRAGE DE POUSSIERE D'UN MELANGE DE GAZ D'UN GAZ DE PETROLE HAUTE TEMPERATURE, DE VAPEUR D'EAU ET DE CARBURES RENFERMANT POSSIBLEMENT DES PRECIPITATIONS**

[72] ZHU, SHUCHENG, CN

[71] HENAN DRAGON INTO COAL TECHNOLOGY CO., LTD., CN

[22] 2015-05-06

[41] 2016-02-14

[30] CN (201410398944.9) 2014-08-14

[21] **2,890,769**
[13] A1

[51] **Int.Cl. B64F 5/00 (2006.01) B33Y 10/00 (2015.01) B32B 43/00 (2006.01) B64D 45/02 (2006.01) H02G 13/00 (2006.01) H05F 3/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUS FOR USE IN FORMING A LIGHTNING PROTECTION SYSTEM**

[54] **METHODES ET APPAREIL DESTINES A FORMER UN SYSTEME DE PROTECTION CONTRE LA FOUDRE**

[72] BROWN, ARLENE M., US

[72] HUMFELD, KEITH DANIEL, US

[71] THE BOEING COMPANY, US

[22] 2015-05-06

[41] 2016-02-18

[30] US (14/461,966) 2014-08-18

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[21] **2,891,610**
[13] A1

[51] **Int.Cl. H04L 9/00 (2006.01)**
[25] EN
[54] **AGENT FOR PROVIDING SECURITY CLOUD SERVICE AND SECURITY TOKEN DEVICE FOR SECURITY CLOUD SERVICE**
[54] **AGENT DISPENSANT UN SERVICE DE SECURITE NUAGIQUE ET DISPOSITIF DE JETON DE SECURITE DESTINE AU SERVICE DE SECURITE NUAGIQUE**
[72] CHOI, JAE SIK, KR
[72] SON, WON-JANG, KR
[71] SAFER ZONE CO., LTD, KR
[22] 2015-05-13
[41] 2016-02-19
[30] KR (10-2014-0107544) 2014-08-19

[21] **2,891,878**
[13] A1

[51] **Int.Cl. F16L 5/00 (2006.01) B64C 1/06 (2006.01) B64C 3/18 (2006.01) F16L 41/14 (2006.01) F16L 55/07 (2006.01)**
[25] EN
[54] **HAT STRINGER CLOSEOUT FITTING AND METHOD OF MAKING SAME**
[54] **RACCORD DE FERMETURE DE LISSE A PROFIL EN CHAPEAU ET METHODE DE FABRICATION ASSOCIEE**
[72] STULC, JEFFREY F., US
[72] ROLFES, COREY A., US
[71] THE BOEING COMPANY, US
[22] 2015-05-19
[41] 2016-02-20
[30] US (14/464,098) 2014-08-20

[21] **2,893,232**
[13] A1

[51] **Int.Cl. B26D 3/11 (2006.01) A23N 15/00 (2006.01) B26D 1/36 (2006.01)**
[25] EN
[54] **ROTARY BLADE ASSEMBLY FOR CUTTING A FOOD PRODUCT INTO HELICAL STRIPS**
[54] **DISPOSITIF D'AUBE DE ROTOR SERVANT A COUPER UN PRODUIT ALIMENTAIRE EN BANDES HELICOIDALES**
[72] ROGERS, DAVID M., CA
[72] AIKENS, JOHN WARREN, CA
[72] RINCON, CARLOS, CA
[71] MCCAIN FOODS LIMITED, CA
[22] 2015-05-29
[41] 2016-02-14
[30] US (14/459,854) 2014-08-14

[21] **2,893,392**
[13] A1

[51] **Int.Cl. B65D 25/16 (2006.01) B65D 25/40 (2006.01) B65D 33/38 (2006.01)**
[25] EN
[54] **WATER BOX APPARATUS AND METHOD**
[54] **APPAREIL DE BOITE A EAU ET METHODE**
[72] MCRAE, RALPH DOUGLAS, CA
[71] LBI BRANDS, INC., CA
[22] 2015-05-29
[41] 2016-02-16

[21] **2,895,305**
[13] A1

[51] **Int.Cl. E21B 7/02 (2006.01)**
[25] EN
[54] **TRANSPORTABLE DRILLING RIG SYSTEM**
[54] **SYSTEME D'APPAREIL DE FORAGE PORTATIF**
[72] KORACH, DONOVAN, US
[71] NABORS INDUSTRIES, INC., US
[22] 2015-06-25
[41] 2016-02-19
[30] US (14/463,428) 2014-08-19

[21] **2,895,378**
[13] A1

[51] **Int.Cl. A01F 12/40 (2006.01) A01D 41/12 (2006.01) A01F 29/04 (2006.01) A01F 29/12 (2006.01)**
[25] EN
[54] **DRIVE SYSTEM FOR THE STRAW CHOPPER OF A COMBINE HARVESTOR**
[54] **MECANISME D'ENTRAINEMENT POUR COUPE-FOIN D'UNE MOISSONNEUSE-BATTEUSE**
[72] MAYERLE, DEAN, CA
[71] MAYERLE, DEAN, CA
[22] 2015-06-25
[41] 2016-02-14
[30] US (62037221) 2014-08-14

[21] **2,895,442**
[13] A1

[51] **Int.Cl. E06B 9/32 (2006.01) A47H 5/00 (2006.01)**
[25] EN
[54] **WINDOW BLIND AND LIFT CONTROL MODULE OF COVERING STRUCTURE THEROF**
[54] **STORE ET MODULE DE COMMANDE DE LEVAGE DE STRUCTURE DE REVETEMENT ASSOCIEE**
[72] CHANG, CHIH-YAO, TW
[71] NIEN MADE ENTERPRISE CO., LTD., TW
[22] 2015-06-18
[41] 2016-02-19
[30] CN (201420468475.9) 2014-08-19

[21] **2,896,768**
[13] A1

[51] **Int.Cl. B64C 25/42 (2006.01) B60T 13/66 (2006.01) B64D 47/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CONTROLLING A HYDRAULIC BRAKE OF AN AIRCRAFT**
[54] **APPAREIL ET METHODE DE COMMANDE D'UN FREIN HYDRAULIQUE D'UN AERONEF**
[72] KNIGHT, MICHAEL, US
[71] GULFSTREAM AEROSPACE CORPORATION, US
[22] 2015-07-10
[41] 2016-02-15
[30] US (14/460,651) 2014-08-15

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[21] **2,897,592**
[13] A1

[51] **Int.Cl. F16D 3/78 (2006.01) F16D 3/28 (2006.01) F16D 3/48 (2006.01)**

[25] EN

[54] **FLEXIBLE COUPLING**

[54] **RACCORD FLEXIBLE**

[72] CHASE, IAN THOMAS, GB

[72] GANATRA, ANIEL TOM, GB

[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB

[22] 2015-07-16

[41] 2016-02-20

[30] GB (1414801.9) 2014-08-20

[21] **2,897,723**
[13] A1

[51] **Int.Cl. G01N 21/77 (2006.01) G01N 37/00 (2006.01) G01R 31/06 (2006.01)**

[25] EN

[54] **HYDROGEN SENSOR, HYDROGEN DETECTION SYSTEM EMPLOYING THE SAME, AND ELECTRICAL DEVICE WITH A HYDROGEN DETECTION SYSTEM**

[54] **DETECTEUR D'HYDROGENE, MECANISME DE DETECTION D'HYDROGENE EMPLOYANT LEDIT DETECTEUR ET APPAREIL ELECTRIQUE DOTE D'UN MECANISME DE DETECTION D'HYDROGENE**

[72] VAN MECHELEN, JACOBUS LODEVICUS MARTINUS, CH

[72] PANELLA, BARBARA, CH

[72] GARCIA, MERCEDES VICTORIA, NL

[72] WESTERWAAL, RUUD JOHANNES, NL

[72] DAM, BERNARD, NL

[71] ABB TECHNOLOGY AG, CH

[22] 2015-07-17

[41] 2016-02-19

[30] EP (14181427.7) 2014-08-19

[21] **2,898,028**
[13] A1

[51] **Int.Cl. C08L 75/04 (2006.01) C08J 9/00 (2006.01) C08K 5/5313 (2006.01) C09K 21/12 (2006.01)**

[25] EN

[54] **LOW-SCORCH FLAME-RETARDED POLYURETHANE FOAMS**

[54] **MOUSSES DE POLYURETHANE PREVULCANISEES A COMBUSTION LENTE**

[72] TEBBE, HEIKO, DE

[72] LANSEL, JAN-GERD, DE

[71] LANXESS DEUTSCHLAND GMBH, DE

[22] 2015-07-21

[41] 2016-02-15

[30] EP (14181117.4) 2014-08-15

[21] **2,898,067**
[13] A1

[51] **Int.Cl. H03K 17/94 (2006.01) B64D 47/00 (2006.01) H02J 4/00 (2006.01)**

[25] FR

[54] **SYSTEM AND CONTROL PROCESS FOR AT LEAST ONE POWER DEVICE SPECIFICALLY FOR AN AIRCRAFT**

[54] **SYSTEME ET PROCEDE DE COMMANDE D'AU MOINS UN ORGANE DE PUISSANCE, NOTAMMENT POUR AERONEF**

[72] PRADIER, JEAN-CLAIR, FR

[72] GUENOT, STEPHANE, FR

[71] ZODIAC AERO ELECTRIC, FR

[22] 2015-07-21

[41] 2016-02-14

[30] FR (14 57 843) 2014-08-14

[21] **2,898,070**
[13] A1

[51] **Int.Cl. H02B 1/36 (2006.01) B64D 47/00 (2006.01)**

[25] FR

[54] **CONNECTION SYSTEM FOR PROTECTIVE CARDS FOR A DISTRIBUTION SYSTEM AND RACK INTEGRATING SUCH A SYSTEM**

[54] **SYSTEME DE CONNEXION POUR CARTES DE PROTECTION D'UN SYSTEME DE DISTRIBUTION ET RACK INTEGRANT LEDIT SYSTEME**

[72] PRADIER, JEAN-CLAIR, FR

[72] PINARD, FREDERIC, FR

[71] ZODIAC AERO ELECTRIC, FR

[22] 2015-07-21

[41] 2016-02-14

[30] FR (14 57 846) 2014-08-14

[21] **2,898,074**
[13] A1

[51] **Int.Cl. H02J 4/00 (2006.01)**

[25] FR

[54] **SUPPLY SYSTEM FOR ELECTRONIC CARDS FOR AN ELECTRICAL DISTRIBUTION SYSTEM**

[54] **SYSTEME D'ALIMENTATION DE CARTES ELECTRONIQUES D'UN SYSTEME DE DISTRIBUTION ELECTRIQUE**

[72] PRADIER, JEAN-CLAIR, FR

[72] BALBINOT, JEAN-PIERRE, FR

[71] ZODIAC AERO ELECTRIC, FR

[22] 2015-07-21

[41] 2016-02-14

[30] FR (14 57 845) 2014-08-14

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[21] **2,898,347**
[13] A1

[51] **Int.Cl. B66D 1/40 (2006.01) B66D 1/46 (2006.01) B66D 3/18 (2006.01) B66D 3/26 (2006.01) G08C 17/02 (2006.01)**

[25] EN

[54] **A REMOTE CONTROL AND USER INTERFACE FOR OPERATING A WINCH**

[54] **UNE TELECOMMANDE ET UNE INTERFACE UTILISATEUR SERVANT A FAIRE FONCTIONNER UN TREUIL**

[72] HERAVI, OLIVER, US

[72] CHRISTENSEN, KEVIN, US

[72] AVERILL, BRYAN, US

[72] WENDLER, IAN, US

[72] FRETZ, DARREN, US

[72] SHIRAJI, HOUMAN TAVAKOLI, US

[72] ATWOOD, BARRY, US

[71] WARN INDUSTRIES, INC., US

[22] 2015-07-24

[41] 2016-02-18

[30] US (14/462130) 2014-08-18

[21] **2,898,350**
[13] A1

[51] **Int.Cl. G01R 1/02 (2006.01) B64C 39/02 (2006.01)**

[25] EN

[54] **UNMANNED AERIAL DEVICE AND METHOD FOR PERFORMING A LIGHTNING PROTECTION MEASUREMENT AT A WIND TURBINE**

[54] **DISPOSITIF AERIEN SANS PILOTE ET METHODE D'EXECUTION DE MESURE DE PROTECTION ANTI-FOUDRE SUR UNE EOLIENNE**

[72] BRUINS, MARCEL, NL

[72] HOLLING, JOCHEN, DE

[71] AVAILON GMBH, DE

[22] 2015-07-24

[41] 2016-02-14

[30] DE (202014006541.1) 2014-08-14

[21] **2,898,375**
[13] A1

[51] **Int.Cl. B65D 85/32 (2006.01)**

[25] EN

[54] **TRI-FOLD EGG CARTON**

[54] **BOITE A OEUFS PLIEE EN TROIS**

[72] RAMIREZ, RICHARD L., US

[72] BERGERON, MARK A., US

[72] KURUVILLA, BABU, US

[72] LICHTLE, ROGER P., US

[71] TEKNI-PLEX, INC., US

[22] 2015-07-22

[41] 2016-02-15

[30] US (14/460,837) 2014-08-15

[21] **2,898,376**
[13] A1

[51] **Int.Cl. B65D 85/32 (2006.01) B29C 51/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR FORMING A NOTCHED HINGE CONNECTION IN A THERMOFORMED CONTAINER**

[54] **METHODE ET APPAREIL SERVANT A FORMER UN RACCORD DE CHARNIERE ENCOCHE DANS UN CONTENANT THERMOFORME**

[72] KURUVILLA, BABU, US

[72] RAMIREZ, RICHARD L., US

[72] BERGERON, MARK A., US

[71] TEKNI-PLEX, INC., US

[22] 2015-07-22

[41] 2016-02-15

[30] US (14/460,889) 2014-08-15

[21] **2,898,512**
[13] A1

[51] **Int.Cl. B29C 44/06 (2006.01) B29C 45/16 (2006.01) B29C 65/48 (2006.01)**

[25] EN

[54] **MANUFACTURE OF AN ARTICLE HAVING A DECORATIVE COVERING OVERLYING AN INJECTION MOLDED SUBSTRATE HAVING A CELLULAR STRUCTURE**

[54] **FABRICATION D'UN ARTICLE COMPORTANT UN REVETEMENT DECORATIF CHEVAUCHANT UN SUBSTRAT MOULE PAR INJECTION AYANT UNE STRUCTURE CELLULAIRE**

[72] HJORTSBERG, FREDERICK L., US

[72] RYNTZ, ROSE A., US

[72] MEHDIAN, BEHROOZ, US

[71] INTERNATIONAL AUTOMOTIVE COMPONENTS GROUP NORTH AMERICA, INC., US

[22] 2015-07-28

[41] 2016-02-14

[30] US (14/460,197) 2014-08-14

[21] **2,898,532**
[13] A1

[51] **Int.Cl. B60G 3/14 (2006.01) A61G 5/04 (2013.01) A61G 5/06 (2006.01) A61G 5/10 (2006.01) B60G 7/00 (2006.01)**

[25] EN

[54] **FRONT SUSPENSION SYSTEM FOR AN ELECTRIC WHEELCHAIR**

[54] **MECANISME DE SUSPENSION AVANT POUR UN FAUTEUIL ROULANT ELECTRIQUE**

[72] WU, DONALD P.H., TW

[71] ENERGY CONTROL LIMITED, VG

[22] 2015-07-27

[41] 2016-02-20

[30] TW (103128564) 2014-08-20

[21] **2,898,533**
[13] A1

[51] **Int.Cl. C25B 11/03 (2006.01) H01M 4/86 (2006.01)**

[25] EN

[54] **GAS DIFFUSION ELECTRODE**

[54] **ELECTRODE DE TRANSPORISATION**

[72] MULLER, ULRICH, DE

[71] MELICON GMBH, DE

[22] 2015-07-30

[41] 2016-02-14

[30] EP (14181052.3) 2014-08-14

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[21] **2,898,609**
[13] A1

[51] **Int.Cl. H04W 12/00 (2009.01) H04W 76/00 (2009.01)**
[25] EN
[54] **CRYPTOGRAPHIC PROTOCOL FOR PORTABLE DEVICES**
[54] **PROTOCOLE CRYPTOGRAPHIQUE POUR DISPOSITIFS PORTABLES**
[72] VAHLIS, EVGENE, CA
[72] MARTIN, KARL, CA
[71] NYMI INC., CA
[22] 2015-07-28
[41] 2016-02-18
[30] US (14/461,881) 2014-08-18

[21] **2,898,625**
[13] A1

[51] **Int.Cl. H04W 4/00 (2009.01) A63B 71/06 (2006.01) G04G 9/00 (2006.01) G06F 3/14 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPLAYING SURF INFORMATION TO A USER**
[54] **SYSTEME ET METHODE D'AFFICHAGE D'INFORMATION DE SURF A L'INTENTION D'UN UTILISATEUR**
[72] WHITE, TYSON, US
[72] BABCOCK, JOE, US
[72] EVERIST, NICK, US
[71] NIXON, INC., US
[22] 2015-07-28
[41] 2016-02-18
[30] US (14/468,280) 2014-08-25
[30] US (62/038,829) 2014-08-18

[21] **2,898,745**
[13] A1

[51] **Int.Cl. E21B 36/00 (2006.01)**
[25] EN
[54] **PROCESS FOR COOLING A HYDROCARBON-RICH FRACTION**
[54] **PROCEDE DE REFROIDISSEMENT D'UNE FRACTION RICHE EN HYDROCARBURE**
[72] BAUER, HEINZ, DE
[72] GOLLWITZER, CLAUDIA, DE
[71] LINDE AKTIENGESELLSCHAFT, DE
[22] 2015-07-29
[41] 2016-02-19
[30] DE (102014012316.2) 2014-08-19

[21] **2,898,949**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **SELLING AN ITEM IN AN INTERACTIVE MARKETPLACE OVER A COMPUTER NETWORK**
[54] **VENTE D'UN ARTICLE SUR UN MARCHE INTERACTIF PAR L'INTERMEDIAIRE D'UN RESEAU INFORMATIQUE**
[72] SIBAI, BASSAM, CA
[72] SIBAI, HAMZE, CA
[71] SIBAI, BASSAM, CA
[71] SIBAI, HAMZE, CA
[22] 2015-07-30
[41] 2016-02-14
[30] US (62/037,284) 2014-08-14

[21] **2,899,110**
[13] A1

[51] **Int.Cl. B62D 25/12 (2006.01) E05B 83/24 (2014.01)**
[25] EN
[54] **VOCATIONAL HOOD LATCH ASSEMBLY**
[54] **DISPOSITIF DE VERROU POUR CAPOT DE VEHICULE PROFESSIONNEL**
[72] EVANS, NICHOLAS J., US
[72] PELTOLA, WALLACE A., US
[72] DUNCAN, JONATHAN S., US
[71] PACCAR INC, US
[22] 2015-07-31
[41] 2016-02-20
[30] US (14/464,398) 2014-08-20

[21] **2,899,483**
[13] A1

[51] **Int.Cl. G01S 19/21 (2010.01) G01S 19/36 (2010.01)**
[25] EN
[54] **INTERFERENCE DETECTION USING MULTIPLE AUTOMATIC GAIN CONTROLLERS**
[54] **DETECTION D'INTERFERENCE A L'AIDE DE CONTROLEURS DE GAIN AUTOMATIQUES MULTIPLES**
[72] RAASAKKA, JUSSI, US
[72] OREJAS, MARTIN, US
[72] KUTIK, ONDREJ, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2015-08-04
[41] 2016-02-14
[30] US (14/459,784) 2014-08-14

[21] **2,899,484**
[13] A1

[51] **Int.Cl. A63B 27/02 (2006.01)**
[25] EN
[54] **GAFF FOR TREE AND POLE CLIMBER**
[54] **GRAPPIN PERMETTANT DE GRIMPER AUX ARBRES OU AUX POTEAUX**
[72] RULLO, JAMES J., US
[72] CANFIELD, DEFOREST, US
[71] BUCKINGHAM MANUFACTURING CO., INC., US
[22] 2015-08-04
[41] 2016-02-15
[30] US (14/460,794) 2014-08-15

[21] **2,899,771**
[13] A1

[51] **Int.Cl. H01P 1/18 (2006.01) H01P 1/19 (2006.01) H01Q 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HIGH POWER MICROWAVE COMBINING AND SWITCHING**
[54] **MECANISMES ET METHODES DESTINES A LA COMBINAISON ET LA COMMUTATION DE MICRO-ONDES HAUTE PUISSANCE**
[72] KROENING, ADAM M., US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2015-08-06
[41] 2016-02-15
[30] US (14/460,924) 2014-08-15

[21] **2,899,776**
[13] A1

[51] **Int.Cl. H01P 1/39 (2006.01)**
[25] EN
[54] **MULTI-JUNCTION WAVEGUIDE CIRCULATOR USING DUAL CONTROL WIRES FOR MULTIPLE FERRITE ELEMENTS**
[54] **APPAREIL DE CIRCULATION DE GUIDE D'ONDE MULTIJONCTION EMPLOYANT DES FILS DE COMMANDE DOUBLES POUR DES ELEMENTS DE FERRITE MULTIPLES**
[72] KROENING, ADAM M., US
[72] FORNEY, SEAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2015-08-06
[41] 2016-02-15
[30] US (14/460,723) 2014-08-15

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[21] **2,899,797**
[13] A1

[51] **Int.Cl. F02F 1/02 (2006.01) F02F 1/04 (2006.01)**

[25] EN

[54] **CYLINDER HEAD HAVING IGNITION PLUG WALL AND COOLING CAVITY**

[54] **TETE DE CYLINDRE COMPORTANT UNE PAROI DE BOUGIE D'ALLUMAGE ET UNE CAVITE DE REFROIDISSEMENT**

[72] KNUDSEN, JULIAN, US

[72] MCDOWELL, ROBERT EARL, US

[71] GENERAL ELECTRIC COMPANY, US

[22] 2015-08-06

[41] 2016-02-14

[30] US (14/459,943) 2014-08-14

[21] **2,899,798**
[13] A1

[51] **Int.Cl. H02J 3/26 (2006.01) H01F 27/28 (2006.01) H01F 27/34 (2006.01) H03H 7/01 (2006.01) H03H 7/42 (2006.01)**

[25] EN

[54] **MULTI-PHASE COMMON MODE CHOKE**

[54] **ETRANGLEUR A MODE COMMUN MULTIPHASE**

[72] YUAN, ZHIHUI, US

[72] DONG, XIAOTING, US

[72] SCHROEDER, STEFAN, US

[72] WEEBER, KONRAD ROMAN, US

[72] SHEN, JIE, US

[71] GE ENERGY POWER CONVERSION TECHNOLOGY LTD, GB

[22] 2015-08-06

[41] 2016-02-19

[30] US (14/462,972) 2014-08-19

[21] **2,899,908**
[13] A1

[51] **Int.Cl. B64F 5/00 (2006.01) B23Q 41/04 (2006.01) B25J 5/00 (2006.01)**

[25] EN

[54] **PROCESSING DEVICE FOR THE ASSEMBLY OF AIRCRAFT**

[54] **DISPOSITIF DE TRAITEMENT POUR L'ASSEMBLAGE D'UN AERONEF**

[72] FRAUEN, HOLGER, DE

[72] BUTTKEREIT, SVEN, DE

[71] AIRBUS OPERATIONS GMBH, DE

[22] 2015-08-07

[41] 2016-02-18

[30] DE (102014111747.6) 2014-08-18

[21] **2,899,921**
[13] A1

[51] **Int.Cl. B01D 53/56 (2006.01) B01D 53/86 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR NOX REMOVAL**

[54] **METHODE ET APPAREIL D'ELIMINATION DE NOX**

[72] STALLMANN, OLAF, DE

[72] WANG, WUYIN, SE

[72] AMANN, JEAN-MARC GILBERT, SE

[72] ENNENBACH, FRANK KLAUS, DE

[71] ALSTOM TECHNOLOGY LTD, CH

[22] 2015-08-10

[41] 2016-02-18

[30] EP (14181291.7) 2014-08-18

[21] **2,899,987**
[13] A1

[51] **Int.Cl. G02C 7/06 (2006.01)**

[25] EN

[54] **LENS DESIGN AND METHOD FOR MINIMIZING VISUAL ACUITY VARIATION EXPERIENCED BY MYOPIA PROGRESSORS**

[54] **MODELE DE LENTILLE ET METHODE SERVANT A MINIMISER LA VARIATION D'ACUITE VISUELLE DES VERRES PROGRESSIFS CORRECTEURS DE MYOPIE**

[72] BRENNAN, NOEL A., US

[72] CHEHAB, KHALED A., US

[72] ROFFMAN, JEFFREY H., US

[72] WEI, XIN, US

[71] JOHNSON & JOHNSON VISION CARE, INC., US

[22] 2015-08-10

[41] 2016-02-20

[30] US (14/464,267) 2014-08-20

[21] **2,899,992**
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) A61B 5/055 (2006.01) A61B 6/03 (2006.01)**

[25] EN

[54] **MARKING OF FLUOROSCOPE FIELD-OF-VIEW**

[54] **FABRICATION D'UN CHAMP DE VISION D'UN FLUOROSCOPE**

[72] ZINO, ELIAHU, IL

[72] SUSEL, PESACH, IL

[72] ZIGELMAN, GIL, IL

[72] HASKEL, ERAN, IL

[72] ADI, LIAV MOSHE, IL

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2015-08-10

[41] 2016-02-15

[30] US (14/460,445) 2014-08-15

[21] **2,900,003**
[13] A1

[51] **Int.Cl. B29C 70/36 (2006.01)**

[25] EN

[54] **A METHOD AND AN APPARATUS FOR FORMING PROFILE ELEMENTS**

[54] **UNE METHODE ET UN APPAREIL SERVANT A FORMER DES ELEMENTS PROFILES**

[72] WITTE, TASSILO, DE

[72] WINTER, HANNES, DE

[71] AIRBUS OPERATIONS GMBH, DE

[22] 2015-08-10

[41] 2016-02-14

[30] EP (14180923.6) 2014-08-14

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[21] **2,900,018**
[13] A1

[51] **Int.Cl. G02C 7/06 (2006.01)**
[25] EN
[54] **HIGH PLUS TREATMENT ZONE LENS DESIGN AND METHOD FOR PREVENTING AND/OR SLOWING MYOPIA PROGRESSION**

[54] **MODELE DE LENTILLE A ZONE DE TRAITEMENT PLUS PUISSANT ET METHODE PERMETTANT DE PREVENIR OU DE RALENTIR LA PROGRESSION DE LA MYOPIE**

[72] BRENNAN, NOEL A., US
[72] CHEHAB, KHALED A., US
[72] CHENG, XU, US
[72] COLLINS, MICHAEL J., AU
[72] LAU, MANWAI CHARIS, US
[72] RITCHEY, ERIC R., US
[72] WEI, XIN, US
[71] JOHNSON & JOHNSON VISION CARE, INC., US
[22] 2015-08-10
[41] 2016-02-20
[30] US (14/464,182) 2014-08-20

[21] **2,900,059**
[13] A1

[51] **Int.Cl. H02J 4/00 (2006.01) B64D 47/00 (2006.01)**
[25] FR
[54] **ELECTRICAL DISTRIBUTION SYSTEM FOR AN AIRCRAFT AND CORRESPONDING CONTROL PROCESS**

[54] **SYSTEME DE DISTRIBUTION ELECTRIQUE POUR UN AERONEF ET PROCEDE DE COMMANDE CORRESPONDANT**

[72] NANEIX, PHILIPPE, FR
[71] ZODIAC AERO ELECTRIC, FR
[22] 2015-08-07
[41] 2016-02-14
[30] FR (14 57 847) 2014-08-14

[21] **2,900,060**
[13] A1

[51] **Int.Cl. H02H 7/26 (2006.01) B64D 47/00 (2006.01) H02H 1/00 (2006.01) H05K 10/00 (2006.01)**
[25] FR
[54] **ELECTRICAL DISTRIBUTION SYSTEM FOR AN AIRCRAFT**

[54] **SYSTEME DE DISTRIBUTION ELECTRIQUE POUR UN AERONEF**

[72] PRADIER, JEAN-CLAIR, FR
[71] ZODIAC AERO ELECTRIC, FR
[22] 2015-08-07
[41] 2016-02-14
[30] FR (14 57 844) 2014-08-14

[21] **2,900,166**
[13] A1

[51] **Int.Cl. B23Q 3/06 (2006.01) B25J 15/00 (2006.01) B25J 15/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE FIXTURE MECHANISM**

[54] **MECANISME D'APPAREIL AJUSTABLE**

[72] LESSWAY, RICHARD, US
[71] AROBOTECH SYSTEMS, INC., US
[22] 2015-08-11
[41] 2016-02-14
[30] US (14/459,626) 2014-08-14

[21] **2,900,169**
[13] A1

[51] **Int.Cl. H04W 68/00 (2009.01) H04W 4/06 (2009.01) H04W 12/08 (2009.01) H04W 84/10 (2009.01)**
[25] EN
[54] **WIRELESS ACCESS POINT FOR FACILITATING BIDIRECTIONAL, APPLICATION-LAYER COMMUNICATION AMONG COMPUTING DEVICES**

[54] **POINT D'ACCES SANS FIL SERVANT A FACILITER LA COMMUNICATION BIDIRECTIONNELLE DE COUCHE D'APPLICATION ENTRE DES DISPOSITIFS INFORMATIQUES**

[72] ONG, JAMES, CA
[72] ROUNDING, MICHAEL, CA
[71] SMART TECHNOLOGIES ULC, CA
[22] 2015-08-11
[41] 2016-02-15
[30] US (14/460,810) 2014-08-15

[21] **2,900,208**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) C07H 21/04 (2006.01)**
[25] EN
[54] **OLIGOMERS TARGETING HEXANUCLEOTIDE REPEAT EXPANSION IN HUMAN C9ORF72 GENE**

[54] **OLIGOMERES CIBLANT LA MULTIPLICATION DE REPETITIONS D'HEXANUCLEOTIDE DANS LE GENE HUMAIN C9ORF72**

[72] JENSEN, MAD S AABOE, DK
[72] LINDOW, MORTEN, DK
[71] PFIZER INC., US
[22] 2015-08-12
[41] 2016-02-15
[30] US (62/037,741) 2014-08-15

[21] **2,900,223**
[13] A1

[51] **Int.Cl. B05D 1/28 (2006.01) B05C 1/08 (2006.01) E04D 1/12 (2006.01) B32B 37/12 (2006.01)**
[25] EN
[54] **APPLICATION OF SELF-SEAL AND ADHESIVE STRIPS TO ASPHALT SHINGLES**

[54] **APPLICATION DE BANDES AUTO-SCELLANTES ET ADHESIVES AUX BARDEAUX D'ASPHALTE**

[72] SVEC, JAMES A., US
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US
[22] 2015-08-13
[41] 2016-02-14
[30] US (62/037,453) 2014-08-14
[30] US (14/824,646) 2015-08-12

[21] **2,900,233**
[13] A1

[51] **Int.Cl. G07C 9/00 (2006.01)**
[25] EN
[54] **ACCESS CONTROL PORTAL**

[54] **PORTAIL DE CONTROLE D'ACCES**

[72] MANNESCHI, ALESSANDRO, IT
[71] COSTRUZIONI ELETTRONICHE INDUSTRIALI AUTOMATISMI S.P.A. C.E.I.A. S.P.A., IT
[22] 2015-08-12
[41] 2016-02-14
[30] FR (1457832) 2014-08-14

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[21] **2,900,245**
[13] A1

[51] **Int.Cl. A24F 1/30 (2006.01)**
[25] EN
[54] **WATER PIPE AND APPARATUS AND METHOD OF MAKING THE SAME**
[54] **TUYAU A EAU, ET APPAREIL ET METHODE DESTINES A SA FABRICATION**
[72] HOCH, BRUCE A., US
[72] HOCH, CHARLES V., US
[71] HOCH, BRUCE A., US
[71] HOCH, CHARLES V., US
[22] 2015-08-13
[41] 2016-02-15
[30] US (14/461,071) 2014-08-15
[30] CA (2,860,449) 2014-08-26
[30] US (14/821,247) 2015-08-07

[21] **2,900,249**
[13] A1

[51] **Int.Cl. C07K 16/06 (2006.01) C07K 1/18 (2006.01) C07K 16/00 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **PURIFICATION OF IMMUNOGLOBULINS FROM PLASMA**
[54] **PURIFICATION D'IMMUNOGLOBULINES DU PLASMA**
[72] ALDINGER, ANNIKA, DE
[72] SCHWAEMMLE, ACHIM, DE
[72] JOEHNCK, MATTHIAS, DE
[72] MUELLER, DIRK, DE
[72] MAZUR, MARC, DE
[71] MERCK PATENT GMBH, DE
[22] 2015-08-13
[41] 2016-02-15
[30] EP (14002852.3) 2014-08-15

[21] **2,900,263**
[13] A1

[51] **Int.Cl. E01H 5/02 (2006.01)**
[25] EN
[54] **SNOW FLIPPER**
[54] **BALAI A NEIGE**
[72] QUINN, REED, US
[72] BROUGH, DAVID B., US
[71] FIBER FIX USA, LLC, US
[22] 2015-08-14
[41] 2016-02-15
[30] US (62/038,162) 2014-08-15

[21] **2,900,362**
[13] A1

[51] **Int.Cl. G02C 7/08 (2006.01) A61F 9/00 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **PUPIL SIZE-INDEPEDENT LENS DESIGN AND METHOD FOR PREVENTING AND/OR SLOWING MYOPIA PROGRESSION**
[54] **MODELE DE LENTILLE INDEPENDANTE DE LA TAILLE DE LA PUPILLE ET METHODE PERMETTANT DE PREVENIR OU DE RALENTIR LA PROGRESSION DE LA MYOPIE**
[72] BRENNAN, NOEL A., US
[72] CHEHAB, KHALED A., US
[72] COLLINS, MICHAEL J., AU
[72] WEI, XIN, US
[71] JOHNSON & JOHNSON VISION CARE, INC., US
[22] 2015-08-12
[41] 2016-02-20
[30] US (14/464,097) 2014-08-20

[21] **2,900,386**
[13] A1

[51] **Int.Cl. F02C 7/04 (2006.01) F02C 7/045 (2006.01) F02C 7/05 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **LOW NOISE AEROENGINE INLET SYSTEM**
[54] **MECANISME DE PRISE D'ENTREE D'AEROMOTEUR A FAIBLE BRUIT**
[72] LABRECQUE, MICHEL, CA
[72] COUTURE-GAGNON, VINCENT, CA
[72] ULLYOTT, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2015-08-14
[41] 2016-02-19
[30] US (14/463,114) 2014-08-19

[21] **2,900,388**
[13] A1

[51] **Int.Cl. F02C 7/045 (2006.01) F02C 9/18 (2006.01)**
[25] EN
[54] **LOW NOISE AEROENGINE INLET SYSTEM**
[54] **MECANISME DE PRISE D'ENTREE D'AEROMOTEUR A FAIBLE BRUIT**
[72] LABRECQUE, MICHEL, CA
[72] COUTURE-GAGNON, VINCENT, CA
[72] ULLYOTT, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2015-08-14
[41] 2016-02-19
[30] US (14/463,031) 2014-08-19

[21] **2,900,390**
[13] A1

[51] **Int.Cl. F02C 7/042 (2006.01) B64D 29/00 (2006.01)**
[25] EN
[54] **VARIABLE GEOMETRY INLET SYSTEM**
[54] **MECANISME D'ENTREE A GEOMETRIE VARIABLE**
[72] LABRECQUE, MICHEL, CA
[72] COUTURE-GAGNON, VINCENT, CA
[72] ULLYOTT, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2015-08-14
[41] 2016-02-19
[30] US (14/462,981) 2014-08-19

[21] **2,900,401**
[13] A1

[51] **Int.Cl. F02C 7/24 (2006.01) B64D 33/00 (2006.01) F02C 7/045 (2006.01)**
[25] EN
[54] **LOW NOISE AEROENGINE INLET SYSTEM**
[54] **MECANISME DE PRISE D'ENTREE D'AEROMOTEUR A FAIBLE BRUIT**
[72] LABRECQUE, MICHEL, CA
[72] COUTURE-GAGNON, VINCENT, CA
[72] ULLYOTT, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2015-08-14
[41] 2016-02-19
[30] US (14/463,077) 2014-08-19

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[21] **2,900,432**
[13] A1

[51] **Int.Cl. A47J 43/24 (2006.01) F26B 5/08 (2006.01)**
[25] EN
[54] **SALAD SPINNER**
[54] **ESSOREUSE A SALADE**
[72] MYOUNG, SUL GI, US
[71] PROGRESSIVE INTERNATIONAL CORPORATION, US
[22] 2015-08-13
[41] 2016-02-15
[30] US (62/038,127) 2014-08-15

[21] **2,900,438**
[13] A1

[51] **Int.Cl. B66C 1/12 (2006.01) B66C 1/18 (2006.01)**
[25] EN
[54] **SLING PROTECTION PAD**
[54] **COUSSIN DE PROTECTION D'ELINGUE**
[72] BABINCHAK, GREGORY S., US
[71] LIFT-ALL COMPANY, INC., US
[22] 2015-08-14
[41] 2016-02-15
[30] US (14/460,442) 2014-08-15

[21] **2,900,461**
[13] A1

[51] **Int.Cl. G06Q 50/18 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPLEMENTATION AND OPERATION OF STRATEGIC LINKAGES**
[54] **SYSTEME ET METHODE DESTINES A LA MISE EN PLACE ET A L'UTILISATION DE LIENS STRATEGIQUES**
[72] HOWALD, BLAKE, US
[72] MOULINIER, ISABELLE, US
[72] MUSHETT, ANDREW, US
[72] OHLE, JOHN, US
[72] SCHULTZ, CHRIS, US
[71] THOMSON REUTERS GLOBAL RESOURCES, CH
[22] 2015-08-14
[41] 2016-02-14
[30] US (14/460,202) 2014-08-14

[21] **2,900,466**
[13] A1

[51] **Int.Cl. G06Q 50/18 (2012.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTEGRATION AND OPERATION OF ANALYTICS WITH STRATEGIC LINKAGES**
[54] **SYSTEME ET METHODE D'INTEGRATION ET D'UTILISATION D'ANALYSE AU MOYEN DE LIENS STRATEGIQUES**
[72] HOWALD, BLAKE, US
[72] MOULINIER, ISABELLE, US
[72] MUSHETT, ANDREW, US
[72] OHLE, JOHN, US
[72] SCHULTZ, CHRIS, US
[71] THOMSON REUTERS GLOBAL RESOURCES, CH
[22] 2015-08-14
[41] 2016-02-14
[30] US (14/460,222) 2014-08-14

[21] **2,900,467**
[13] A1

[51] **Int.Cl. A23C 9/154 (2006.01) A23C 9/137 (2006.01)**
[25] EN
[54] **FOOD PRODUCTS CONTAINING A MODIFIED WAXY CASSAVA STARCH**
[54] **PRODUITS ALIMENTAIRES RENFERMANT UN AMIDON DE MANIOC CIREUX MODIFIE**
[72] HANCHETT, DOUGLAS J., US
[72] ODORISIO, CHRISTINA, US
[71] CORN PRODUCTS DEVELOPMENT, INC., BR
[22] 2015-08-14
[41] 2016-02-15
[30] US (62/037,852) 2014-08-15
[30] US (14/788,893) 2015-07-01

[21] **2,900,507**
[13] A1

[51] **Int.Cl. A47L 9/24 (2006.01) A47L 9/00 (2006.01) B08B 5/04 (2006.01)**
[25] EN
[54] **REMOVABLE HOSE COVER SYSTEM**
[54] **MECANISME DE COUVRE-TUYAU AMOVIBLE**
[72] ISKYAN, PAUL, US
[72] CAMPBELL, DANA, US
[71] ISKYAN, PAUL, US
[22] 2015-08-14
[41] 2016-02-15
[30] US (14/461,150) 2014-08-15

[21] **2,900,509**
[13] A1

[51] **Int.Cl. G01N 27/414 (2006.01)**
[25] EN
[54] **PREVENTING STRAY CURRENTS IN SENSORS IN CONDUCTIVE MEDIA**
[54] **PREVENTION DES COURANTS VAGABONDS DANS LES DETECTEURS INTEGRES A DES SUPPORTS CONDUCTEURS**
[72] CARLSON, ROBERT JON, US
[72] NOHAVA, THOMAS E., US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2015-08-14
[41] 2016-02-19
[30] US (14/463,087) 2014-08-19

[21] **2,900,510**
[13] A1

[51] **Int.Cl. F25D 25/02 (2006.01) F25D 25/00 (2006.01)**
[25] EN
[54] **FREEZER RACK**
[54] **TABLETTE POUR CONGELATEUR**
[72] JONES, SHARON, CA
[71] JONES, SHARON, CA
[22] 2015-08-13
[41] 2016-02-14
[30] US (62037357) 2014-08-14

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[21] **2,900,525**
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/048 (2013.01) G06F 17/27 (2006.01)**
[25] EN
[54] **USER INTERFACE OPERATION BASED ON TOKEN FREQUENCY OF USE IN TEXT**
[54] **FONCTIONNEMENT D'INTERFACE UTILISATEUR FONDE SUR LA FREQUENCE D'UTILISATION D'UN JETON DANS UN TEXTE**
[72] COOK, DAVID, US
[72] ZWIERZCHLEJSKI, JACEK, US
[72] KACEK, STACEY, US
[72] MAEDER, JASON, US
[72] BECK, STEWART, US
[71] FREEDOM SOLUTIONS GROUP, LLC D/B/A MICROSYSTEMS, INC., US
[22] 2015-08-14
[41] 2016-02-15
[30] US (14/460,744) 2014-08-15

[21] **2,900,532**
[13] A1

[51] **Int.Cl. G06F 17/27 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **USER INTERFACE OPERATION BASED ON SIMILAR SPELLING OF TOKENS IN TEXT**
[54] **FONCTIONNEMENT D'INTERFACE UTILISATEUR FONDE SUR L'EPELLATION SIMILAIRE DE JETONS DANS UN TEXTE**
[72] COOK, DAVID, US
[72] ZWIERZCHLEJSKI, JACEK, US
[72] KACEK, STACEY, US
[72] MAEDER, JASON, US
[72] BECK, STEWART, US
[71] FREEDOM SOLUTIONS GROUP, LLC D/B/A MICROSYSTEMS, INC., US
[22] 2015-08-14
[41] 2016-02-15
[30] US (14/460,773) 2014-08-15

[21] **2,900,538**
[13] A1

[51] **Int.Cl. C09J 195/00 (2006.01) B32B 7/10 (2006.01) C09J 7/02 (2006.01) C09J 11/06 (2006.01) E04D 5/00 (2006.01)**
[25] EN
[54] **OIL-ENHANCED POLYMER MODIFIED ASPHALT ADHESIVE COMPOSITIONS AND METHODS OF MAKING**
[54] **COMPOSITIONS ADHESIVES D'ASPHALTE MODIFIE AUX POLYMERES DE PETROLE LOURD ET PROCEDES DE FABRICATION ASSOCIES**
[72] CROTEAU, COREY RICHARD, US
[72] LACKNER, JOHN MATHIAS, JR., US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[22] 2015-08-17
[41] 2016-02-19
[30] US (62/039,099) 2014-08-19

[21] **2,900,539**
[13] A1

[51] **Int.Cl. B60P 3/34 (2006.01) A47B 85/00 (2006.01) A47C 1/02 (2006.01) A47C 13/00 (2006.01) A47C 17/62 (2006.01) B60P 3/39 (2006.01)**
[25] EN
[54] **CONVERTIBLE SEATING AND DINETTE ARRANGEMENT**
[54] **DISPOSITION DE SIEGES ET COIN-REPAS CONVERTIBLE**
[72] NATUZZI, ANGELO, CA
[71] TRIPLE E CANADA, LTD., CA
[22] 2015-08-17
[41] 2016-02-20
[30] US (62/039,720) 2014-08-20
[30] US (62/130,727) 2015-03-10

[21] **2,900,714**
[13] A1

[51] **Int.Cl. A63B 69/36 (2006.01)**
[25] EN
[54] **GOLF PRACTICE MAT MODULES AND ASSEMBLY**
[54] **MODULES ET ENSEMBLE DE TAPIS DE PRATIQUE DE GOLF**
[72] HOOPER, MICHAEL, CA
[71] FIBERBUILT MANUFACTURING INC., CA
[22] 2015-08-18
[41] 2016-02-18
[30] US (62/038,715) 2014-08-18

[21] **2,900,716**
[13] A1

[51] **Int.Cl. E21B 43/114 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ABRASIVE JET PERFORATING**
[54] **APPAREIL ET METHODE DE PERFORATION AU JET ABRASIF**
[72] BRUNSKILL, DOUG, CA
[72] GETZLAF, DON, CA
[71] NCS MULTISTAGE INC., CA
[22] 2015-08-17
[41] 2016-02-19
[30] US (62/039,126) 2014-08-19

[21] **2,900,717**
[13] A1

[51] **Int.Cl. A61F 5/05 (2006.01) A61F 5/01 (2006.01) A61F 5/04 (2006.01)**
[25] EN
[54] **REHABILITATION FOOTWEAR**
[54] **CHAUSSURE DE READAPTATION**
[72] LEE, SHIH-HSIANG, TW
[72] CHANG, YUN-TENG, TW
[72] HAMADE, NEIL, CA
[71] E-LIFE INTERNATIONAL CO. LTD., TW
[71] LANDMARK MEDICAL SYSTEMS INC., CA
[22] 2015-08-18
[41] 2016-02-18
[30] TW (103128358) 2014-08-18
[30] US (14/542,836) 2014-11-17

[21] **2,900,718**
[13] A1

[51] **Int.Cl. G06Q 50/22 (2012.01) G06F 17/00 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM, AND APPARATUS FOR ELECTRONIC PRIOR AUTHORIZATION ACCELERATOR**
[54] **PROCEDE, SYSTEME ET APPAREIL DESTINES A UN ACCELERATEUR ELECTRONIQUE A AUTORISATION PREALABLE**
[72] ANDERSON, TODD M., US
[72] SIMONS, BRADLEY C., US
[72] WILLARD, KEITH E., US
[72] GINGRICH, MARK A., US
[72] HESS, RYAN D., US
[71] SURESCRIPTS, LLC, US
[22] 2015-08-19
[41] 2016-02-19
[30] US (62/039,336) 2014-08-19
[30] US (14/559,620) 2014-12-03

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[21] **2,900,761**
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01)**
[25] EN
[54] **WAGERING AID**
[54] **AIDE AU PARI**
[72] RICHARDSON, JOSEPH, US
[72] HATFIELD, RYAN, US
[71] GAMING STUDIO, INC., US
[22] 2015-08-19
[41] 2016-02-19
[30] US (62/039,130) 2014-08-19

[21] **2,900,769**
[13] A1

[51] **Int.Cl. G01N 27/417 (2006.01)**
[25] EN
[54] **SENSORS AND METHODS FOR DETECTING AN OXIDANT**
[54] **CAPTEURS ET PROCEDES DE DETECTION D'UN OXYDANT**
[72] SELVAGANAPATHY, PONNAMBALAM RAVI, CA
[72] HSU, HUAN-HSUAN, CA
[72] KRUSE, PETER, CA
[72] HOQUE, ENAMUL, CA
[71] SELVAGANAPATHY, PONNAMBALAM RAVI, CA
[71] HSU, HUAN-HSUAN, CA
[71] KRUSE, PETER, CA
[71] HOQUE, ENAMUL, CA
[22] 2015-08-18
[41] 2016-02-18
[30] US (62/038,415) 2014-08-18

[21] **2,900,802**
[13] A1

[51] **Int.Cl. A63B 69/00 (2006.01)**
[25] EN
[54] **REBOUND DEVICE TO FACILITATE HOCKEY TRAINING**
[54] **DISPOSITIF DE REBOND SERVANT A FACILITER L'ENTRAINEMENT AU HOCKEY**
[72] KLANOW, BRIAN, US
[72] MARINOFF, JAMES P., US
[71] GIVE-N-GO HOCKEY LLC, US
[22] 2015-08-18
[41] 2016-02-18
[30] US (62/038,484) 2014-08-18

[21] **2,900,825**
[13] A1

[51] **Int.Cl. E04H 5/02 (2006.01) E04B 1/00 (2006.01) E04B 1/35 (2006.01) E04G 21/00 (2006.01) E04H 5/00 (2006.01)**
[25] EN
[54] **A TRULY MODULAR BUILDING DATACENTER FACILITY**
[54] **UNE INSTALLATION DE CENTRE DE DONNEES A CONSTRUCTION MODULAIRE**
[72] CROSBY, CHRISTOPHER J., JR., US
[71] COMPASS DATACENTERS, LLC, US
[22] 2015-08-18
[41] 2016-02-19
[30] US (14/463,474) 2014-08-19

[21] **2,900,859**
[13] A1

[51] **Int.Cl. C12M 1/40 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTION OF A TARGET IN A MOLECULAR ASSAY USING PH CHANGES**
[54] **COMPOSITIONS ET METHODES DE DETECTION D'UNE CIBLE DANS UN ESSAI MOLECULAIRE EMPLOYANT DES CHANGEMENTS DE PH**
[72] LI, YINGFU, CA
[72] TRAM, KHA, CA
[71] LI, YINGFU, CA
[71] TRAM, KHA, CA
[22] 2015-08-18
[41] 2016-02-18
[30] US (62/038,408) 2014-08-18

[21] **2,900,861**
[13] A1

[51] **Int.Cl. E21B 47/005 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **NORMALIZATION OF SECTOR AMPLITUDES USING MONOPOLE AMPLITUDES**
[54] **NORMALISATION D'AMPLITUDES DE SECTEUR EMPLOYANT DES AMPLITUDES MONOPOLES**
[72] BLANKINSHIP, THOMAS J., US
[72] SCHOCH, PETER J., US
[72] TELLO, LUCIO N., US
[72] CASTON, GREGORY J., US
[71] WEATHERFORD/LAMB, INC., US
[22] 2015-08-18
[41] 2016-02-19
[30] US (14/463,289) 2014-08-19

[21] **2,900,873**
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING AND/OR MANAGING CONTRIBUTIONS**
[54] **SYSTEME ET METHODE DESTINES A PERMETTRE OU GERER LES CONTRIBUTIONS**
[72] VO, MICHAEL SIMON, US
[72] CHIU, SAMUEL SHIN-WAI, US
[72] TANG, HENRY HO-YIN, CA
[72] PHILLIPS, ALAN PAUL ROLLESTON, GB
[71] WEEETEEEOO INC., US
[22] 2015-08-19
[41] 2016-02-19
[30] US (62/039,274) 2014-08-19

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[21] **2,900,913**
[13] A1

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[25] EN

[54] **SMART PILLOWS AND PROCESSES FOR PROVIDING ACTIVE NOISE CANCELLATION AND BIOFEEDBACK**

[54] **OREILLERS INTELLIGENTS ET PROCEDES ACTIFS D'ANNULATION DE BRUIT ET DE BIOFEEDBACK**

[72] DEFRANKS, MICHAEL S., US

[72] GOLIN, MICHAEL A., US

[71] DREAMWELL, LTD., US

[22] 2015-08-18

[41] 2016-02-20

[30] US (62/039,515) 2014-08-20

[21] **2,900,919**
[13] A1

[51] **Int.Cl. B32B 27/00 (2006.01) B32B 37/02 (2006.01) B32B 38/14 (2006.01)**

[25] EN

[54] **RESILIENT ARTICLES AND METHODS OF MANUFACTURING THEREOF**

[54] **ARTICLES RESILIENTS ET METHODES DE FABRICATION ASSOCIEES**

[72] MACQUEEN, RICHARD C., US

[71] CONGOLEUM CORPORATION, US

[22] 2015-08-18

[41] 2016-02-18

[30] US (62/038,756) 2014-08-18

[21] **2,900,924**
[13] A1

[51] **Int.Cl. G09F 3/08 (2006.01) A47B 55/00 (2006.01) G09F 3/12 (2006.01)**

[25] EN

[54] **LABEL DEVICE**

[54] **DISPOSITIF D'ETIQUETTE**

[72] WIDENER, JOHN R., US

[72] HUFFMAN, KRISTI, US

[71] MULTI PACKAGING SOLUTIONS, INC., US

[22] 2015-08-17

[41] 2016-02-15

[30] US (62/037,639) 2014-08-15

[21] **2,901,026**
[13] A1

[51] **Int.Cl. G01L 1/14 (2006.01) A42B 3/04 (2006.01) A42B 3/12 (2006.01) A42C 2/00 (2006.01) B29C 70/68 (2006.01) G01L 5/00 (2006.01) H01G 5/16 (2006.01)**

[25] EN

[54] **HELMET IMPACT MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE D'IMPACT SUR UN CASQUE**

[72] ATASHBAR, MASSOOD ZANDI, US

[72] JOYCE, MARGARET, US

[72] NARAKATHU, BINU BABY, US

[72] AVUTHU, SAI GURUVA REDDY, US

[72] JOYCE, MICHAEL, US

[72] ESHKEITI, ALI, US

[71] WESTERN MICHIGAN UNIVERSITY RESEARCH FOUNDATION, US

[22] 2015-08-18

[41] 2016-02-19

[30] US (62/039,042) 2014-08-19

[21] **2,901,034**
[13] A1

[51] **Int.Cl. F16J 15/16 (2006.01) F04B 39/00 (2006.01) F04D 29/08 (2006.01)**

[25] EN

[54] **APPARATUS FOR EXCLUDING PARTICLE CONTAMINANTS FROM A GAS LIFT OFF MECHANICAL SEAL**

[54] **APPAREIL DESTINE A EXCLURE LES CONTAMINANTS PARTICULAIRES D'UN JOINT MECANIQUE DECALE D'EXTRACTION AU GAZ**

[72] GRIFFITH, DARYL L., US

[71] FLOWSERVE MANAGEMENT COMPANY, US

[22] 2015-08-14

[41] 2016-02-19

[30] US (14/462,635) 2014-08-19

[21] **2,901,041**
[13] A1

[51] **Int.Cl. F27B 7/20 (2006.01) F27D 99/00 (2010.01) F26B 25/02 (2006.01) F27B 7/22 (2006.01) F27B 7/26 (2006.01)**

[25] EN

[54] **LOCKING CAM STOP**

[54] **BUTEE DE CAME BLOQUANTE**

[72] MOLLICK, JOSEPH T., US

[72] GULLEY, WILLIAM D., US

[71] GENCOR INDUSTRIES, INC., US

[22] 2015-08-20

[41] 2016-02-20

[30] US (62/039,558) 2014-08-20

[30] US (14/683,544) 2015-04-10

[21] **2,901,042**
[13] A1

[51] **Int.Cl. G06F 9/44 (2006.01) G06F 12/02 (2006.01)**

[25] EN

[54] **NON-PRECISE GARBAGE COLLECTION IN NON-COOPERATIVE SYSTEMS**

[54] **COLLECTE DE REBUT NON PRECISE DANS LES SYSTEMES NON COOPERATIFS**

[72] KUMPERA, RODRIGO, US

[72] DE ICAZA, MIGUEL, US

[71] XAMARIN INC., US

[22] 2015-08-18

[41] 2016-02-19

[30] US (14/463,440) 2014-08-19

[21] **2,901,044**
[13] A1

[51] **Int.Cl. A63C 9/08 (2012.01)**

[25] EN

[54] **FRONT UNIT FOR A SKI BINDING AND SYSTEM CONSISTING OF A FRONT UNIT AND A REAR UNIT**

[54] **MODULE AVANT DE FIXATION DE SKI ET DISPOSITIF COMPORTANT UN MODULE AVANT ET UN MODULE ARRIERE**

[72] STEINKE, MARKUS, DE

[72] KREUZINGER, MICHAEL, DE

[72] SCHWINGSHACKL, ULRICH, IT

[72] JUNGSMANN, LUKAS, AT

[71] STEINKE, MARKUS, DE

[22] 2015-08-19

[41] 2016-02-20

[30] DE (10 2014 111 934.7) 2014-08-20

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[21] **2,901,048**
[13] A1

[51] **Int.Cl. G06N 99/00 (2010.01)**
[25] EN
[54] **HEURISTIC GRAPH EMBEDDING METHODS FOR ADIABATIC QUANTUM COMPUTATION OPTIMIZATION**
[54] **PROCEDES D'INTEGRATION DE GRAPHIQUE HEURISTIQUES DESTINES A L'OPTIMISATION DE CALCUL DE QUANTITE ADIABATIQUE**
[72] ADACHI, STEVEN H., US
[72] ADAIR, TESSA J., US
[72] BOERKOEL, JAMES C., JR., US
[72] BRENT, TAYLOR W., US
[72] CAMPBELL, DOUGLAS S., US
[72] LYNN, THERESA W., US
[72] ORNSTEIN, JOEL R., US
[71] LOCKHEED MARTIN CORPORATION, US
[22] 2015-08-20
[41] 2016-02-20
[30] US (62/039,717) 2014-08-20

[21] **2,901,073**
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06Q 50/22 (2012.01)**
[25] EN
[54] **PREDICTIVE MODEL GENERATOR**
[54] **GENERATEUR DE MODELE PREDICTIF**
[72] CARROLL, DENNIS, US
[72] LYNCH, CECIL, US
[72] ACUNA, GERMAN, US
[72] VO, ANH-HOANG, US
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE
[22] 2015-08-19
[41] 2016-02-20
[30] US (14/464,330) 2014-08-20

[21] **2,901,135**
[13] A1

[51] **Int.Cl. B65D 35/44 (2006.01)**
[25] EN
[54] **A FLEXIBLE PACKAGE HAVING A RECYCLABLE CLOSURE AND A METHOD OF CONFIGURING SAID PACKAGE FOR RECYCLING**
[54] **UN EMBALLAGE SOUPLE COMPORTANT UNE FERMETURE RECYCLABLE ET UNE METHODE DE CONFIGURATION DUDIT EMBALLAGE EN VUE DU RECYCLAGE**
[72] BOLHOUS, MARY K., US
[72] ZIOLKOWSKI, THOMAS G., US
[72] ROESSLER, THOMAS H., US
[71] CHARTER NEX FILMS, INC., US
[22] 2015-08-20
[41] 2016-02-20
[30] US (62/039,589) 2014-08-20
[30] US (14/829,707) 2015-08-19

[21] **2,901,253**
[13] A1

[51] **Int.Cl. F15B 15/28 (2006.01) F16J 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRACKING LINEAR POSITION AND ROTATION OF A PISTON**
[54] **SYSTEME ET METHODE DE SUIVI DE POSITION LINEAIRE ET ROTATION D'UN PISTON**
[72] ALVARADO, GABRIEL JARILLO, CA
[71] ZEDI CANADA INC., CA
[22] 2015-08-20
[41] 2016-02-20
[30] US (62/039,501) 2014-08-20
[30] US (14/830,493) 2015-08-19

[21] **2,901,255**
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01) E05B 15/02 (2006.01)**
[25] EN
[54] **REINFORCED STRIKE ASSEMBLY**
[54] **MECANISME DE COURSE RENFORCE**
[72] PEABODY, JOSHUA T., US
[72] FIGUEROA-DEL POZO, FRANCISCO, US
[72] SIMS, RYAN MATTHEW, US
[72] SCHEFFLER, DOMINIK, US
[71] HANCHETT ENTRY SYSTEMS, INC., US
[22] 2015-08-20
[41] 2016-02-20
[30] US (62/039,700) 2014-08-20

[21] **2,901,268**
[13] A1

[51] **Int.Cl. F15B 15/22 (2006.01)**
[25] EN
[54] **HYDRAULICALLY OPERATED PIVOTAL JOINT AND SWING DAMPING DEVICE**
[54] **JOINT PIVOT A FONCTIONNEMENT HYDRAULIQUE ET DISPOSITIF D'ATTENUATION DE BALANCEMENT**
[72] KUIRINLAHTI, HENRI, FI
[71] SAMPO-HYDRAULICS OY, FI
[22] 2015-08-21
[41] 2016-02-16
[30] FI (20145737) 2014-08-22

[21] **2,901,320**
[13] A1

[51] **Int.Cl. F26B 3/06 (2006.01) F26B 17/10 (2006.01) F26B 25/06 (2006.01)**
[25] EN
[54] **SEED DRYER AND METHOD**
[54] **SECHOIR A GRAIN ET METHODE**
[72] FORSYTH, DANIEL L., US
[72] ST. AMOUR, GREG, US
[71] FORSYTH, DANIEL L., US
[22] 2015-08-20
[41] 2016-02-20
[30] US (62/039,735) 2014-08-20
[30] US (14/828,747) 2015-08-18

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[21] **2,913,165**
[13] A1

[51] **Int.Cl. G01D 9/00 (2006.01) G01N
33/02 (2006.01)**

[25] EN

[54] **METHOD, SYSTEM AND
APPARATUS FOR COLLECTING
AND PROCESSING
AGRICULTURAL DATA**

[54] **METHODE, SYSTEME ET
APPAREIL DE COLLECTE ET
TRAITEMENT DE DONNEES
AGRICOLES**

[72] WHEELER, PETER CHARLES, CA
[72] JEAN-CHARLES, JOSEPH, CA
[72] MEDRI, KRISTIAN, CA
[71] SUNPILLAR INC., CA
[22] 2015-11-23
[41] 2016-02-17
[30] US (62/111863) 2015-02-04

[21] **2,915,562**
[13] A1

[51] **Int.Cl. B03B 9/02 (2006.01) B01D
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[25] EN

[54] **METHOD OF ANALYZING AN OIL
SAND STREAM**

[54] **PROCEDE D'ANALYSE DE FLUX
DE SABLES BITUMINEUX**

[72] MCMULLAN, JASON M., US
[72] MARR, MICHAEL A., CA
[72] SETH, ALOK R., US
[72] CHEN, CHIEN-CHIANG, US
[72] OLDENBURG, PAUL D., US
[71] IMPERIAL OIL RESOURCES
LIMITED, CA
[71] EXXONMOBIL UPSTREAM
RESEARCH COMPANY, US
[22] 2015-12-16
[41] 2016-02-18

[21] **2,915,547**
[13] A1

[51] **Int.Cl. H01M 8/04302 (2016.01)
H01M 8/24 (2016.01)**

[25] EN

[54] **START-UP METHOD FOR FUEL
CELL SYSTEM**

[54] **METHODE DE DEMARRAGE
D'UN DISPOSITIF DE PILE A
COMBUSTIBLE**

[72] ZHANG, HAO, CA
[72] HAAS, HERWIG, CA
[72] FELLOWS, RICHARD, CA
[71] DAIMLER AG, DE
[71] FORD MOTOR COMPANY, US
[22] 2015-12-18
[41] 2016-02-18
[30] US (62/116,404) 2015-02-14

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[21] **2,894,919**
[13] A1

[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/542 (2006.01)**

[25] EN

[54] **C5,C6 OXACYCLIC-FUSED IMINOTHIAZINE DIOXIDE COMPOUNDS AS BACE INHIBITORS, COMPOSITIONS, AND THEIR USE**

[54] **COMPOSES DE DIOXYDE D'IMINOTHIAZINE A CONDENSATION OXACYCLIQUE EN C5, C6 COMME INHIBITEURS DE BACE**

[72] CUMMING, JARED N., US

[72] KAELIN, DAVID EARL, JR., US

[72] SCOTT, JACK D., US

[72] WU, WEN-LIAN, US

[72] BURNETT, DUANE A., US

[71] MERCK SHARP & DOHME CORP., US

[85] 2015-06-11

[86] 2013-12-16 (PCT/US2013/075411)

[87] (WO2014/099794)

[30] US (61/740,108) 2012-12-20

[21] **2,896,938**
[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01) F16H 1/12 (2006.01)**

[25] EN

[54] **GEARED INSTRUMENT FOR TIBIAL STEM REAMING OR REMOVAL**

[54] **INSTRUMENT A ENGRENAGE POUR ALESER OU RETIRER LA TIGE TIBIALE**

[72] SANDER, ELIZABETH J., US

[71] WRIGHT MEDICAL TECHNOLOGY, INC., US

[85] 2015-03-16

[86] 2014-08-19 (PCT/US2014/051654)

[87] (2896938)

[21] **2,898,295**
[13] A1

[51] **Int.Cl. G06F 9/44 (2006.01)**

[25] EN

[54] **COMMON DECLARATIVE REPRESENTATION OF APPLICATION CONTENT AND USER INTERACTION CONTENT PROCESSED BY A USER EXPERIENCE PLAYER**

[54] **REPRESENTATION DECLARATIVE COMMUNE DU CONTENU D'UNE DEMANDE ET CONTENU D'INTERACTION UTILISATEUR TRAITE PAR UN LECTEUR**

[72] YU, JAY JIEBING, US

[72] SIVERTSON, MATTHEW, US

[72] KUMAR, VINAY, US

[72] BERAN, BOJAN, US

[72] BALAZS, ALEX, US

[72] CABRERA, LUIS FELIPE, US

[71] INTUIT INC., US

[85] 2015-07-23

[86] 2014-08-28 (PCT/US2014/053168)

[87] (2898295)

[30] US (14/463,415) 2014-08-19

[21] **2,906,247**
[13] A1

[51] **Int.Cl. A63H 1/00 (2006.01)**

[25] EN

[54] **TOY GYRO HAVING GYRO RING THAT CAN BE ASSEMBLED AT BOTH SIDES**

[54] **GYRO JOUET COMPORTANT UNE BAGUE DE GYRO POUVANT ETRE ASSEMBLEE SUR DEUX COTES**

[72] CAI, DONGQING, CN

[71] GUANGDONG ALPHA ANIMATION & CULTURE CO., LTD., CN

[71] GUANGDONG AULDEY ANIMATION & TOY CO., LTD., CN

[71] GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD., CN

[85] 2015-09-24

[86] 2015-04-07 (PCT/CN2015/075937)

[87] (2906247)

[30] CN (201410402506.5) 2014-08-16

[21] **2,906,252**
[13] A1

[51] **Int.Cl. A63H 1/00 (2006.01)**

[25] EN

[54] **COMBINED TOY TOP THAT CAN BE FREELY ASSEMBLED**

[54] **DESSUS DE JOUET COMBINE QUI PEUT ETRE ASSEMBLE LIBREMENT**

[72] CAI, DONGQING, CN

[71] GUANGDONG ALPHA ANIMATION & CULTURE CO., LTD., CN

[71] GUANGDONG AULDEY ANIMATION & TOY CO., LTD., CN

[71] GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD., CN

[85] 2015-09-24

[86] 2015-04-14 (PCT/CN2015/076506)

[87] (2906252)

[30] CN (201410402519.2) 2014-08-16

[21] **2,906,265**
[13] A1

[51] **Int.Cl. A63H 1/00 (2006.01)**

[25] EN

[54] **AUTOMATIC DETACHABLE COMBINED TOY GYRO**

[54] **GYRO JOUET COMBINE DETACHABLE AUTOMATIQUEMENT**

[72] CAI, DONGQING, CN

[71] GUANGDONG ALPHA ANIMATION & CULTURE CO., LTD., CN

[71] GUANGDONG AULDEY ANIMATION & TOY CO., LTD., CN

[71] GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD., CN

[85] 2015-09-24

[86] 2015-04-03 (PCT/CN2015/075901)

[87] (2906265)

[30] CN (201410402522.4) 2014-08-16

PCT Applications Entering the National Phase

[21] **2,916,612**
[13] A1

[51] **Int.Cl. B29C 67/04 (2006.01) B60H 1/00 (2006.01) F24F 13/02 (2006.01)**
[25] EN
[54] **A LIGHT-WEIGHT AIR DUCT FOR VENTILATION, AIR CONDITIONING AND HEATING FOR USE IN A VEHICLE AND A METHOD OF MANUFACTURING SAME**
[54] **UN CONDUIT D'AIR A FAIBLE POIDS DESTINE A LA VENTILATION, AU CONDITIONNEMENT DE L'AIR ET AU CHAUFFAGE D'UN VEHICULE ET UN PROCEDE DE FABRICATION ASSOCIE**
[72] BLAIS, PATRICK, CA
[72] KHENNACHE, OMAR, CA
[72] CARRIER, SACHA, CA
[72] BERNIER, MARTIN, CA
[72] DARVEAU, RICHARD, CA
[71] EXO-S INC., CA
[85] 2016-01-04
[86] 2015-06-23 (PCT/CA2015/050579)
[87] (2916612)
[30] US (62/023,236) 2014-07-11

[21] **2,918,084**
[13] A1

[51] **Int.Cl. B65G 47/24 (2006.01) B41F 17/00 (2006.01) B65D 17/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ORIENTING A BEVERAGE CONTAINER END CLOSURE AND APPLYING INDICIA IN A PREDETERMINED LOCATION**
[54] **APPAREIL ET PROCEDE POUR ORIENTER UN COUVERCLE D'UN CONTENANT DE BOISSON ET APPLIQUER DES INDICATIONS A UN EMPLACEMENT PREDETERMINE**
[72] ELLEFSON, DEAN C., US
[71] BALL CORPORATION, US
[85] 2016-01-11
[86] 2014-07-16 (PCT/US2014/046868)
[87] (WO2015/013081)
[30] US (61/859,115) 2013-07-26

[21] **2,918,386**
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 23/00 (2006.01) E21B 47/01 (2012.01) F04D 13/10 (2006.01)**
[25] EN
[54] **FORWARD DEPLOYED SENSING ARRAY FOR AN ELECTRIC SUBMERSIBLE PUMP**
[54] **RESEAU DE DETECTION DEPLOIE VERS L'AVANT POUR POMPE SUBMERSIBLE ELECTRIQUE**
[72] HUGHES, MICHAEL FRANKLIN, US
[72] HOYTE, SCOTT MORDIN, US
[71] GE OIL & GAS ESP, INC., US
[85] 2016-01-14
[86] 2014-07-17 (PCT/US2014/047017)
[87] (WO2015/009923)
[30] US (13/946,374) 2013-07-19

[21] **2,918,990**
[13] A1

[51] **Int.Cl. B01D 1/28 (2006.01) B01D 3/10 (2006.01) C02F 1/04 (2006.01)**
[25] FR
[54] **METHODS AND FACILITIES FOR THERMAL DISTILLATION WITH MECHANICAL VAPOUR COMPRESSION**
[54] **PROCEDES ET INSTALLATIONS DE DISTILLATION THERMIQUE A COMPRESSION MECANIQUE DE VAPEUR**
[72] FRANCOIS-MATHIEU, WINANDY, GB
[71] FRANCOIS-MATHIEU, WINANDY, GB
[85] 2016-01-21
[86] 2014-07-29 (PCT/EP2014/066278)
[87] (WO2015/014840)
[30] EP (PCT/EP2013/065933) 2013-07-29

[21] **2,919,325**
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/48 (2006.01) A61P 25/28 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 9/64 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **THERAPEUTIC FUSION PROTEIN**
[54] **PROTEINE DE FUSION THERAPEUTIQUE**
[72] BOHRMANN, BERND, CH
[72] FRESKGARD, PER-OLA, CH
[72] KNOETGEN, HENDRIK, DE
[72] NIEWOEHNER, JENS, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2016-01-25
[86] 2014-07-30 (PCT/EP2014/066355)
[87] (WO2015/014884)
[30] EP (13179056.0) 2013-08-02

[21] **2,919,398**
[13] A1

[51] **Int.Cl. C09D 11/104 (2014.01) B41J 2/41 (2006.01)**
[25] EN
[54] **ELECTROSTATIC PRINTING OF CYCLODEXTRIN COMPOSITIONS**
[54] **IMPRESSON ELECTROSTATIQUE DE COMPOSITIONS DE CYCLODEXTRINE**
[72] WOOD, WILLARD E., US
[72] KEUTE, JOSEPH S., US
[71] CELLRESIN TECHNOLOGIES, LLC, US
[85] 2016-01-25
[86] 2015-06-25 (PCT/US2015/037707)
[87] (WO2015/200647)
[30] US (62/017,492) 2014-06-26
[30] US (14/748,456) 2015-06-24

Demandes PCT entrant en phase nationale

[21] **2,919,401**
[13] A1

[51] **Int.Cl. A23L 27/40 (2016.01) A23P 10/40 (2016.01) C01D 3/04 (2006.01)**

[25] EN

[54] **METHOD OF PRODUCING SALT COMPOSITION**

[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION DE SEL**

[72] SHEN, SHIJI, US

[72] HOFFMAN, ANDREW J., US

[72] BUTLER, SUSAN E., US

[71] TATE & LYLE INGREDIENTS AMERICAS LLC, US

[85] 2016-01-26

[86] 2014-06-27 (PCT/GB2014/051961)

[87] (WO2015/015151)

[30] US (61/860,425) 2013-07-31

[21] **2,919,426**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/10 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 40/00 (2016.01)**

[25] EN

[54] **SOLID DIETARY COMPOSITIONS FOR RUMINANTS AND METHODS OF MAKING AND USING THE SAME**

[54] **COMPOSITIONS ALIMENTAIRES SOLIDES POUR RUMINANTS ET PROCEDES POUR LES FABRIQUER ET LES UTILISER**

[72] ARONEN, ILMO PELLERVO, FI

[72] HOLMA, MERJA BIRGITTA, FI

[72] WAN, FENG, US

[72] BUNTEL, CHRISTOPHER JOHN, SG

[72] BELLARE, JAYESH RAMESH, IN

[72] NOCEK, JAMES EDWARD, US

[71] BENEMILK OY, FI

[85] 2016-01-25

[86] 2013-07-30 (PCT/US2013/052632)

[87] (WO2015/016822)

[21] **2,919,428**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 10/30 (2016.01) A23K 20/10 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/163 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 40/00 (2016.01)**

[25] EN

[54] **FEED FOR LACTATING RUMINANTS**

[54] **ALIMENT POUR RUMINANTS EN LACTATION**

[72] NOCEK, JAMES EDWARD, US

[72] HOLMA, MERJA BIRGITTA, FI

[72] WAN, FENG, US

[72] LONDERGAN, TIMOTHY MARTIN, US

[72] ARONEN, ILMO PELLERVO, FI

[72] ALTOSAAR, ILLIMAR, CA

[72] BEESON, CRAIG CANO, US

[72] BELLARE, JAYESH RAMESH, IN

[71] BENEMILK OY, FI

[85] 2016-01-25

[86] 2013-07-30 (PCT/US2013/052655)

[87] (WO2015/016829)

[21] **2,919,432**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 10/30 (2016.01) A23K 20/10 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/163 (2016.01) A23K 20/174 (2016.01) A23K 40/00 (2016.01)**

[25] EN

[54] **FEED FOR LACTATING RUMINANTS**

[54] **ALIMENT POUR RUMINANTS EN LACTATION**

[72] HOLMA, MERJA BIRGITTA, FI

[72] WAN, FENG, US

[72] NOCEK, JAMES EDWARD, US

[72] BEESON, CRAIG CANO, US

[72] ARONEN, ILMO PELLERVO, FI

[71] BENEMILK OY, FI

[85] 2016-01-25

[86] 2013-07-30 (PCT/US2013/052658)

[87] (WO2015/016830)

[21] **2,919,433**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 20/10 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 40/00 (2016.01) A01K 67/00 (2006.01)**

[25] EN

[54] **METHODS FOR FEEDING DIETARY COMPOSITIONS TO RUMINANTS**

[54] **PROCEDES POUR FOURNIR DES COMPOSITIONS ALIMENTAIRES A DES RUMINANTS**

[72] ARONEN, ILMO PELLERVO, FI

[72] HOLMA, MERJA BIRGITTA, FI

[72] WAN, FENG, US

[72] BUNTEL, CHRISTOPHER JOHN, SG

[71] BENEMILK OY, FI

[85] 2016-01-25

[86] 2013-07-30 (PCT/US2013/052680)

[87] (WO2015/016833)

[21] **2,919,529**
[13] A1

[51] **Int.Cl. A22C 29/02 (2006.01) A22C 29/00 (2006.01)**

[25] EN

[54] **SHRIMP-PROCESSING APPARATUS AND METHODS**

[54] **APPAREIL ET PROCEDES DE TRAITEMENT DES CREVETTES**

[72] VEDSTED, LARS, DK

[71] LAITRAM, L.L.C., US

[85] 2016-01-26

[86] 2014-08-06 (PCT/US2014/049844)

[87] (WO2015/021087)

[30] US (61/862,552) 2013-08-06

PCT Applications Entering the National Phase

[21] **2,919,601**
[13] A1

[51] **Int.Cl. C07C 233/18 (2006.01) A61K 31/165 (2006.01) A61K 31/185 (2006.01) A61P 15/00 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07C 231/12 (2006.01) C07C 303/32 (2006.01) C07C 309/29 (2006.01) C07C 309/35 (2006.01)**

[25] FR

[54] **NOVEL COMPLEXES OF AGOMELATINE AND SULPHONIC ACIDS, METHOD FOR PREPARING SAME AND THE PHARMACEUTICAL COMPOSITIONS THAT CONTAIN THEM**

[54] **NOUVEAUX COMPLEXES D'AGOMELATINE ET D'ACIDES SULFONIQUES, LEUR PROCEDURE DE PREPARATION ET LES COMPOSITIONS PHARMACEUTIQUES QUI LES CONTIENNENT**

[72] SHAN, HANBIN, CN
[72] SHEN, YUHUI, CN
[72] LUO, YING, CN
[72] LETELLIER, PHILIPPE, FR
[72] LYNCH, MICHAEL, FR
[71] LES LABORATOIRES SERVIER, FR
[71] SHANGHAI INSTITUTE OF PHARMACEUTICAL INDUSTRY, CN

[85] 2016-01-12
[86] 2014-07-28 (PCT/FR2014/051944)
[87] (WO2015/015102)
[30] CN (PCT/CN2013/080337) 2013-07-29
[30] FR (1360124) 2013-10-17

[21] **2,919,838**
[13] A1

[51] **Int.Cl. A23K 50/10 (2016.01) A23K 10/30 (2016.01) A23K 20/142 (2016.01) A23K 20/158 (2016.01) A23K 20/174 (2016.01) A23K 20/20 (2016.01) A23K 40/20 (2016.01)**

[25] EN

[54] **MINERAL LICK COMPOSITIONS FOR RUMINANTS AND METHODS OF MAKING AND USING THE SAME**

[54] **COMPOSITIONS DE MINERAL A LECHER POUR RUMINANTS ET PROCEDES DE FABRICATION ET D'UTILISATION CORRESPONDANTS**

[72] HOLMA, MERJA BIRGITTA, FI
[72] ARONEN, ILMO PELLERVO, FI
[72] WAN, FENG, US
[72] BUNTEL, CHRISTOPHER JOHN, SG
[71] BENEMILK OY, FI

[85] 2016-01-28
[86] 2013-07-30 (PCT/US2013/052629)
[87] (WO2015/016820)

[21] **2,919,843**
[13] A1

[51] **Int.Cl. A23L 33/175 (2016.01) A23L 33/10 (2016.01) A23L 2/52 (2006.01) A23L 2/56 (2006.01) A23L 2/60 (2006.01) A23L 2/68 (2006.01) A61K 31/197 (2006.01) A61K 31/198 (2006.01)**

[25] EN

[54] **A DIETARY SUPPLEMENT COMPRISING AMINO ACIDS IN A PALATABLE LIQUID FORMULATION THAT PROMOTES RESTFUL SLEEP, RECOVERY FROM STRESS AND EXERCISE AND STRENGTHENS THE IMMUNE SYSTEM**

[54] **COMPLEMENT ALIMENTAIRE CONTENANT DES ACIDES AMINES DANS UNE FORMULATION LIQUIDE AU GOUT AGREABLE QUI FAVORISE UN SOMMEIL REPOSANT, LA RECUPERATION DU STRESS ET EXERCE ET RENFORCELE SYSTEME IMMUNITAIRE**

[72] NORTH, ROBERT, US
[72] CRUTE, JAMES, US
[71] NORTH HEALTH ESSENTIALS, LLC, US

[85] 2016-01-28
[86] 2014-08-05 (PCT/US2014/049810)
[87] (WO2015/021060)
[30] US (61/863,831) 2013-08-08
[30] US (14/271,237) 2014-05-06

[21] **2,919,733**
[13] A1

[51] **Int.Cl. A61K 9/10 (2006.01) A61P 31/02 (2006.01)**

[25] EN

[54] **TOPICAL COMPOSITIONS AND METHODS OF USING THE SAME**

[54] **COMPOSITIONS TOPIQUES ET METHODES D'UTILISATION DESDITES COMPOSITIONS**

[72] DOXEY, RYAN, US
[72] BAO, JIAN, US
[71] NOVAN, INC., US

[85] 2016-02-01
[86] 2015-01-27 (PCT/US2015/013043)
[87] (2919733)
[30] US (PCT/US2014/050345) 2014-08-08

Demandes PCT entrant en phase nationale

[21] **2,919,929**
[13] A1

[51] **Int.Cl. A23J 1/10 (2006.01) A23K 10/26 (2016.01) A23K 50/80 (2016.01) A23J 3/04 (2006.01) A23J 3/30 (2006.01) A61K 8/64 (2006.01) A61K 38/01 (2006.01) C08H 1/06 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING HYDROLYSED KERATINACEOUS MATERIAL**

[54] **PROCEDE POUR PRODUIRE DU MATERIAU KERATINIQUE HYDROLYSE**

[72] FILLIERES, ROMAIN, FR
[72] BELMANS, MARC, BE
[72] BOERS, FRANK, BE
[72] MAERTENS, FAYE, BE
[72] ROGIERS, JOERI, BE
[71] TESSENDERLO CHEMIE N.V., BE
[85] 2016-01-29
[86] 2014-07-29 (PCT/EP2014/066313)
[87] (WO2015/014859)
[30] EP (13178526.3) 2013-07-30
[30] US (61/881,534) 2013-09-24

[21] **2,919,930**
[13] A1

[51] **Int.Cl. A23J 1/10 (2006.01) A23K 10/26 (2016.01) A23K 50/80 (2016.01) A23J 3/04 (2006.01) A23J 3/30 (2006.01) A61K 8/65 (2006.01) A61K 8/98 (2006.01) C08H 1/06 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING HYDROLYSED KERATINACEOUS MATERIAL**

[54] **PROCEDE DE PRODUCTION D'UNE SUBSTANCE KERATINIQUE HYDROLYSEE**

[72] FILLIERES, ROMAIN, FR
[72] BLUTEL, PHILIPPE, FR
[71] TESSENDERLO CHEMIE N.V., BE
[85] 2016-01-29
[86] 2014-07-29 (PCT/EP2014/066314)
[87] (WO2015/014860)
[30] EP (13178511.5) 2013-07-30
[30] US (61/881,537) 2013-09-24
[30] EP (14163922.9) 2014-04-08

[21] **2,920,257**
[13] A1

[51] **Int.Cl. C07D 295/182 (2006.01) A61K 31/166 (2006.01) A61K 31/40 (2006.01) A61K 31/44 (2006.01) A61K 31/4439 (2006.01) A61K 31/445 (2006.01) A61K 31/4545 (2006.01) A61K 31/495 (2006.01) A61K 31/5375 (2006.01) A61K 31/54 (2006.01) A61P 35/02 (2006.01) C07C 237/06 (2006.01) C07D 213/81 (2006.01) C07D 233/90 (2006.01) C07D 295/26 (2006.01)**

[25] EN

[54] **KDM1A INHIBITORS FOR THE TREATMENT OF DISEASE**

[54] **INHIBITEURS DE KDM1A POUR LE TRAITEMENT D'UNE MALADIE**

[72] MCCALL, JOHN M., US
[72] RIENHOFF, HUGH YOUNG, JR., US
[72] CLARE, MICHAEL, US
[71] IMAGO BIOSCIENCES INC., US
[85] 2016-02-02
[86] 2014-08-06 (PCT/US2014/049906)
[87] (WO2015/021128)
[30] US (61/862,759) 2013-08-06
[30] US (61/954,276) 2014-03-17

[21] **2,920,267**
[13] A1

[51] **Int.Cl. E05F 17/00 (2006.01) E05D 15/08 (2006.01) E06B 3/46 (2006.01)**

[25] EN

[54] **CABINET DOORS**

[54] **PORTES POUR VITRINE**

[72] SZCZEBAK, MARCIN, PL
[71] JT INTERNATIONAL SA, CH
[85] 2016-02-02
[86] 2014-07-14 (PCT/EP2014/065045)
[87] (WO2015/018608)
[30] EP (13179645.0) 2013-08-07

[21] **2,920,270**
[13] A1

[51] **Int.Cl. G06T 7/60 (2006.01) G06K 9/32 (2006.01)**

[25] EN

[54] **DEVICE FOR ASSISTING IN THE DETECTION OF OBJECTS PLACED ON THE GROUND FROM IMAGES OF THE GROUND TAKEN BY A WAVE REFLECTION IMAGING DEVICE**

[54] **DISPOSITIF D'AIDE A LA DETECTION D'OBJETS POSES SUR LE SOL A PARTIR D'IMAGES DU SOL ISSUES D'UN DISPOSITIF D'IMAGERIE PAR REFLEXION D'ONDES**

[72] FERRAND, JULIEN, FR
[72] MARCHAL, LUDOVIC, FR
[71] THALES, FR
[85] 2016-02-02
[86] 2014-07-29 (PCT/EP2014/066289)
[87] (WO2015/014849)
[30] FR (1301865) 2013-08-02

[21] **2,920,279**
[13] A1

[51] **Int.Cl. F16B 13/06 (2006.01) E04B 1/41 (2006.01)**

[25] EN

[54] **ANCHOR BOLT**

[54] **BOULON D'ANCRAGE**

[72] ANDOU, KAZUAKI, JP
[72] YANAI, TORU, JP
[71] HOWA CORPORATION, JP
[85] 2016-02-02
[86] 2014-01-24 (PCT/JP2014/051551)
[87] (WO2015/019629)
[30] JP (2013-165384) 2013-08-08
[30] JP (2013-190807) 2013-09-13

PCT Applications Entering the National Phase

[21] **2,920,293**
[13] A1

[51] **Int.Cl. A61K 38/00 (2006.01) A61K 39/395 (2006.01) A61P 37/06 (2006.01) C07K 16/18 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **TREATMENT OF GRAFT REJECTION BY ADMINISTERING A COMPLEMENT INHIBITOR TO AN ORGAN PRIOR TO TRANSPLANT**

[54] **TRAITEMENT DU REJET DE GREFFE CONSISTANT A ADMINISTRER UN INHIBITEUR DU COMPLEMENT A UN ORGANE AVANT LA TRANSPLANTATION**

[72] WANG, YI, US
[72] YU, ZHAO XUE, US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2016-02-02
[86] 2014-08-15 (PCT/US2014/051323)
[87] (WO2015/023972)
[30] US (61/867,009) 2013-08-16

[21] **2,920,300**
[13] A1

[51] **Int.Cl. G05D 3/12 (2006.01)**

[25] EN

[54] **POWER MODULE**

[54] **MODULE D'ENERGIE**

[72] MILLS, PATRICK WELLINGTON, US
[72] MCCORMICK, JAMES MICHAEL, US
[72] GEIER, DAVID MICHAEL, US
[71] LABINAL, LLC, US
[85] 2016-02-02
[86] 2014-08-21 (PCT/US2014/051999)
[87] (WO2015/031144)
[30] US (61/870,420) 2013-08-27

[21] **2,920,301**
[13] A1

[51] **Int.Cl. G09B 9/02 (2006.01) G09B 9/08 (2006.01) G09B 9/48 (2006.01)**

[25] EN

[54] **UNMANNED VEHICLE SIMULATION**

[54] **SIMULATION DE VEHICULE SANS PILOTE**

[72] HALES, SIMON A., US
[72] TROWBRIDGE, TEDDY T., US
[71] INSITU, INC., US
[85] 2016-02-02
[86] 2014-08-28 (PCT/US2014/053226)
[87] (WO2015/073102)
[30] US (61/872,243) 2013-08-30
[30] US (14/453,555) 2014-08-06

[21] **2,920,305**
[13] A1

[51] **Int.Cl. A61N 1/37 (2006.01) A61N 1/372 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR REDUCING ELECTROMAGNETIC FIELD-INDUCED HEATING FROM AN IMPLANTABLE PULSE GENERATOR**

[54] **SYSTEMES ET PROCEDES POUR REDUIRE LE CHAUFFAGE INDUIT PAR UN CHAMP ELECTROMAGNETIQUE PROVENANT D'UN GENERATEUR D'IMPULSION IMPLANTABLE**

[72] GUPTA, GAURAV, US
[72] OZAWA, ROBERT D., US
[72] RAHMAN, MD MIZANUR, US
[71] BOSTON SCIENTIFIC NEUROMODULATION CORPORATION, US
[85] 2016-02-02
[86] 2014-09-02 (PCT/US2014/053732)
[87] (WO2015/034833)
[30] US (61/874,835) 2013-09-06

[21] **2,920,309**
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01) H04L 27/26 (2006.01)**

[25] EN

[54] **BLIND SEARCH FOR NETWORK POSITIONING REFERENCE SIGNAL (PRS) CONFIGURATION PARAMETERS**

[54] **RECHERCHE AVEUGLE POUR DES PARAMETRES DE CONFIGURATION DE SIGNAL DE REFERENCE DE LOCALISATION (PRS) DE RESEAU**

[72] MIRBAGHERI, ARASH, US
[72] OPSHAUG, GUTTORM RINGSTAD, US
[72] WERNER, BENJAMIN ALFRED, US
[72] RISTIC, BORISLAV, US
[71] QUALCOMM INCORPORATED, US
[85] 2016-02-02
[86] 2014-09-04 (PCT/US2014/054140)
[87] (WO2015/035081)
[30] US (61/874,985) 2013-09-07
[30] US (14/221,140) 2014-03-20

[21] **2,920,313**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 9/127 (2006.01) A61K 35/28 (2015.01) A61P 19/08 (2006.01)**

[25] EN

[54] **WNT COMPOSITIONS AND METHODS FOR PURIFICATION**

[54] **COMPOSITIONS WNT ET PROCEDES DE PURIFICATION**

[72] DHAMDHERE, GIRIJA, US
[72] HELMS, JILL, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2016-02-02
[86] 2014-10-02 (PCT/US2014/058833)
[87] (WO2015/051122)
[30] US (61/885,827) 2013-10-02

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[21] **2,920,327**
[13] A1

[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

[71] RATTUNDE & CO GMBH, 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

[21] **2,920,330**
[13] A1

[51] **Int.Cl. A01N 43/80 (2006.01) A01N 47/44 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**

[25] EN

[54] **MICROBICIDAL SUBSTANCES AGENTS MICROBICIDES**

[72] GERHARZ, TANJA, DE

[72] WACHTLER, PETER, DE

[71] LANXESS DEUTSCHLAND GMBH, DE

[85] 2016-02-03

[86] 2014-08-25 (PCT/EP2014/067970)

[87] (WO2015/028414)

[30] EP (13182078.9) 2013-08-28

[21] **2,920,335**
[13] A1

[51] **Int.Cl. F01D 5/14 (2006.01) F04D 29/32 (2006.01)**

[25] FR

[54] **MOBILE TURBOMACHINE BLADE**

[54] **AUBE MOBILE DE TURBOMACHINE**

[72] CELLIER, DAMIEN JOSEPH, FR

[72] DUFRESNE, ALICIA LISE JULIA, FR

[72] PELLETRAU, PHILIPPE PIERRE MARCEL MARIE, FR

[72] PERROT, VINCENT PAUL GABRIEL, FR

[72] VILLAINES, LAURENT CHRISTOPHE FRANCIS, FR

[71] SNECMA, FR

[85] 2016-02-03

[86] 2014-08-04 (PCT/FR2014/052023)

[87] (WO2015/019009)

[30] FR (1357855) 2013-08-07

[21] **2,920,345**
[13] A1

[51] **Int.Cl. F04D 29/54 (2006.01) F01D 5/14 (2006.01) F01D 9/04 (2006.01)**

[25] FR

[54] **TURBINE ENGINE STATOR BLADE**

[54] **AUBE DE REDRESSEUR DE TURBOMACHINE**

[72] COJANDE, PRADEEP, FR

[72] LIPPINOIS, ERIC PIERRE MAURICE, FR

[72] REISS, HANNA, FR

[71] SNECMA, FR

[85] 2016-02-03

[86] 2014-08-04 (PCT/FR2014/052027)

[87] (WO2015/022463)

[30] FR (1357956) 2013-08-12

[21] **2,920,348**
[13] A1

[51] **Int.Cl. B60L 3/12 (2006.01) B60L 11/18 (2006.01) H02J 3/32 (2006.01) H02J 3/00 (2006.01)**

[25] EN

[54] **METHOD FOR PROGRAMMING ENERGY FLOW BETWEEN A GRID AND AN ACCUMULATOR OF AN ELECTRIC VEHICLE, AND CORRESPONDING DEVICE FOR PROGRAMMING**

[54] **PROCEDE POUR PROGRAMMER UNE CIRCULATION D'ENERGIE ENTRE UN RESEAU ET UN ACCUMULATEUR D'UN VEHICULE ELECTRIQUE, ET DISPOSITIF DE PROGRAMMATION CORRESPONDANT**

[72] GIUSTI, ALESSANDRO, CH

[72] SALANI, MATTEO, IT

[72] RIZZOLI, ANDREA EMILIO, CH

[72] GAMBARDELLA, LUCA MARIA, IT

[72] DOZIO, GIAN CARLO, CH

[72] FOLETTI, FABIO, CH

[72] RIVOLA, DAVIDE, CH

[72] RUDEL, ROMAN, CH

[72] PIFFARETTI, MARCO, CH

[72] GABBA, GIORGIO, IT

[72] BELLIARDI, MARCO, CH

[72] NESPOLI, LORENZO, CH

[72] MEDICI, VASCO, CH

[71] ALPIQ INTEC AG, CH

[85] 2016-02-03

[86] 2014-08-27 (PCT/EP2014/068173)

[87] (WO2015/028509)

[30] EP (13181909.6) 2013-08-27

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[21] **2,920,350**
[13] A1

[51] **Int.Cl. A61K 47/48 (2006.01) A61P 11/00 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **PROTEIN AND PEPTIDE-FREE SYNTHETIC VACCINES AGAINST STREPTOCOCCUS PNEUMONIAE TYPE 3**

[54] **VACCINS SYNTHETIQUES SANS PROTEINE ET SANS PEPTIDE CONTRE LE STREPTOCOCCUS PNEUMONIAE DE TYPE 3**

[72] RATHWELL, DOMINEA, KR

[72] PARAMESWARAPPA, SHARAVATHI GUDDEHALLI, DE

[72] GOVINDAN, SUBRAMANIAN, IN

[72] ANISH, CHAKKUMKAL, NL

[72] PEREIRA, CLANEY LEBEV, DE

[72] SEEBERGER, PETER H., DE

[72] BROCKER, FELIX, DE

[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE

[85] 2016-02-03

[86] 2014-09-18 (PCT/EP2014/069947)

[87] (WO2015/040140)

[30] EP (13185039.8) 2013-09-18

[21] **2,920,358**
[13] A1

[51] **Int.Cl. E03F 5/14 (2006.01)**

[25] EN

[54] **A SEPARATOR MODULE FOR A STORMWATER GULLY CHAMBER**

[54] **MODULE SEPARATEUR POUR CHAMBRE D'AVALOIR D'EAUX PLUVIALES**

[72] ANASTASIO, ANDREW SCOTT, US

[72] KOLANKO, ANTHONY TADEK LESLIE, GB

[72] MCKEE, KEVIN JOHN, US

[72] KANE, ANDREW STEVEN, GB

[72] SCOTT, DAVID ANDREW, US

[71] HYDRO INTERNATIONAL PLC, GB

[85] 2016-02-03

[86] 2014-07-25 (PCT/GB2014/052279)

[87] (WO2015/022489)

[30] US (13/967,078) 2013-08-14

[21] **2,920,373**
[13] A1

[51] **Int.Cl. A61K 38/19 (2006.01) A61P 15/06 (2006.01) A61P 15/08 (2006.01)**

[25] EN

[54] **EMBRYO IMPLANTATION**

[54] **IMPLANTATION D'EMBRYONS**

[72] GOPICHANDRAN, NADIA, GB

[72] ORSI, NICOLAS MICHEL, GB

[72] BROOKE, DAVID ANDREW, GB

[71] OSTARA BIOMEDICAL LTD, GB

[85] 2016-02-03

[86] 2014-08-11 (PCT/GB2014/052450)

[87] (WO2015/022509)

[30] GB (1314452.2) 2013-08-13

[21] **2,920,375**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C12M 1/26 (2006.01) C12M 1/33 (2006.01) C12M 1/34 (2006.01) C12M 3/08 (2006.01) C12N 1/06 (2006.01) C12N 15/10 (2006.01) G01N 1/28 (2006.01)**

[25] EN

[54] **SYSTEMS, DEVICES, AND METHODS FOR DEPLOYING ONBOARD REAGENTS IN A DIAGNOSTIC DEVICE**

[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR DEPLOYER DES REACTIFS A BORD D'UN DISPOSITIF DE DIAGNOSTIC**

[72] BORTOLIN, SUSAN, CA

[72] JACK, GRAHAM D., CA

[71] XAGENIC INC., CA

[85] 2016-02-03

[86] 2014-08-07 (PCT/IB2014/002529)

[87] (WO2015/019195)

[30] US (61/863,401) 2013-08-07

[21] **2,920,377**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/25 (2006.01) A61K 31/395 (2006.01) A61K 31/7105 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **INHIBITION OF CXCR4 SIGNALING IN CANCER IMMUNOTHERAPY**

[54] **INHIBITION DE LA SIGNALISATION CXR4 EN IMMUNOTHERAPIE ANTICANCEREUSE**

[72] FEARON, DOUGLAS, US

[71] CAMBRIDGE ENTERPRISE LIMITED, GB

[85] 2016-02-03

[86] 2014-08-05 (PCT/IB2014/063706)

[87] (WO2015/019284)

[30] GB (1313983.7) 2013-08-05

[30] GB (1317213.5) 2013-09-27

[30] GB (1320329.4) 2013-11-18

[30] US (62/018,837) 2014-06-30

[30] US (62/023,909) 2014-07-13

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[21] **2,920,408**
[13] A1

[51] **Int.Cl. C12N 15/85 (2006.01) A61K 39/395 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 16/18 (2006.01) C12N 15/10 (2006.01) C12N 15/11 (2006.01) C12N 15/66 (2006.01)**

[25] EN

[54] **MINICIRCLE DNA RECOMBINANT PARENTAL PLASMID HAVING GENETICALLY ENGINEERED ANTIBODY GENE EXPRESSION CASSETTE, A MINICIRCLE DNA HAVING THE EXPRESSION CASSETTE, AND APPLICATIONS**

[54] **PLASMIDE PARENTAL RECOMBINANT D'ADN MINICERCLE COMPRENANT UNE CASSETTE D'EXPRESSION GENIQUE D'ANTICORPS PRODUIT PAR GENIE GENETIQUE, ADN MINICERCLE COMPRENANT LA CASSETTE D'EXPRESSION ET APPLICATIONS**

[72] CHEN, ZHIYING, CN
[72] MA, FEI, CN
[72] HE, CHENGYI, CN
[71] SHENZHEN HORNTECORN BIOTECHNOLOGY COMPANY, LTD., CN
[71] SHENZHEN INSTITUTES OF ADVANCED TECHNOLOGY, CN
[85] 2016-02-03
[86] 2014-08-05 (PCT/CN2014/083741)
[87] (WO2015/018331)
[30] CN (201310339305.0) 2013-08-06

[21] **2,920,413**
[13] A1

[51] **Int.Cl. H04N 19/00 (2014.01)**

[25] EN

[54] **METHOD OF DERIVING DEFAULT DISPARITY VECTOR IN 3D AND MULTIVIEW VIDEO CODING**

[54] **PROCEDE DE DERIVATION DE VECTEUR DE DISPARITE PAR DEFAUT EN 3D ET CODAGE VIDEO MULTI-VUES**

[72] LIN, JIAN-LIANG, CN
[72] ZHANG, NA, CN
[72] CHEN, YI-WEN, CN
[72] AN, JICHENG, CN
[72] CHANG, YU-LIN, CN
[71] MEDIATEK INC., TW
[85] 2016-02-03
[86] 2014-08-13 (PCT/CN2014/084240)
[87] (WO2015/021914)
[30] US (61/865,346) 2013-08-13
[30] US (61/895,468) 2013-10-25

[21] **2,920,415**
[13] A1

[51] **Int.Cl. C07D 417/14 (2006.01) A61K 31/506 (2006.01) A61K 31/541 (2006.01) A61K 31/554 (2006.01) A61P 1/16 (2006.01) A61P 31/20 (2006.01) A61P 35/00 (2006.01) C07D 403/14 (2006.01)**

[25] EN

[54] **DIHYDROPYRIMIDINE COMPOUNDS AND THEIR APPLICATION IN PHARMACEUTICALS**

[54] **COMPOSES DIHYDROPYRIMIDINE ET LEUR APPLICATION DANS DES PRODUITS PHARMACEUTIQUES**

[72] ZHANG, YINGJUN, CN
[72] LIU, XINCHANG, CN
[72] ZOU, ZHIFU, CN
[72] LIANG, JINSHENG, CN
[72] GOLDMANN, SIEGFRIED, CN
[72] REN, QINGYUN, CN
[71] SUNSHINE LAKE PHARMA CO., LTD., CN
[85] 2016-02-03
[86] 2014-11-18 (PCT/CN2014/091444)
[87] (WO2015/074546)
[30] CN (201310590683.6) 2013-11-19
[30] CN (201410108925.8) 2014-03-23

[21] **2,920,417**
[13] A1

[51] **Int.Cl. G01N 33/569 (2006.01) C07K 16/12 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **METHOD FOR THE DETECTION OF H. PYLORI INFECTION**

[54] **PROCEDE DE DETECTION D'UNE INFECTION PAR H. PYLORI**

[72] GERHARD, MARKUS, DE
[72] KALALI, BEHNAM, DE
[72] FORMICHELLA, LUCA, DE
[72] KHALIFE-GHOLI, MOHAMMAD, IR
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[85] 2016-02-03
[86] 2014-08-13 (PCT/EP2014/002230)
[87] (WO2015/022075)
[30] EP (13004038.9) 2013-08-13

[21] **2,920,418**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/02 (2006.01) A61F 15/00 (2006.01)**

[25] FR

[54] **DEVICE FOR APPLYING AN INTERFACE DRESSING**

[54] **DISPOSITIF APPLICATEUR DE PANSEMENT INTERFACE**

[72] AMEY, ANNE-SOPHIE, FR
[72] DESMAISON, NADEGE, FR
[71] URGO RECHERCHE INNOVATION ET DEVELOPPEMENT, FR
[85] 2016-02-03
[86] 2014-07-30 (PCT/EP2014/066405)
[87] (WO2015/018720)
[30] FR (1357785) 2013-08-05

[21] **2,920,419**
[13] A1

[51] **Int.Cl. G01N 27/416 (2006.01) C12M 1/34 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS AND DEVICES FOR ELECTROCHEMICAL DETECTION USING HELPER OLIGONUCLEOTIDES**

[54] **SYSTEMES, PROCEDES ET DISPOSITIFS DE DETECTION ELECTROCHIMIQUE AU MOYEN D'OLIGONUCLEOTIDES AUXILIAIRES**

[72] JACK, GRAHAM D., CA
[71] XAGENIC INC., CA
[85] 2016-02-03
[86] 2014-08-07 (PCT/IB2014/002522)
[87] (WO2015/019194)
[30] US (61/863,280) 2013-08-07

PCT Applications Entering the National Phase

[21] **2,920,430**
[13] A1

[51] **Int.Cl. H04L 12/18 (2006.01) H04L 12/703 (2013.01)**
[25] EN
[54] **MANAGING DATA FEEDS**
[54] **GESTION DE SOURCES DE DONNEES**
[72] STANFILL, CRAIG W., US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2016-02-03
[86] 2014-08-07 (PCT/US2014/050038)
[87] (WO2015/021220)
[30] US (61/863,062) 2013-08-07

[21] **2,920,432**
[13] A1

[51] **Int.Cl. G06F 9/44 (2006.01)**
[25] EN
[54] **IDENTIFYING SOFTWARE APPLICATION EVENTS**
[54] **IDENTIFICATION D'EVENEMENTS D'APPLICATION LOGICIELLE**
[72] SCHECHTER, GREG, US
[72] O'NEIL, EDWARD KENNETH, US
[72] MILLER, DAVID, US
[72] TOMKO, DANIEL, US
[71] FACEBOOK, INC., US
[85] 2016-02-03
[86] 2014-08-07 (PCT/US2014/050062)
[87] (WO2015/021232)
[30] US (13/963,261) 2013-08-09

[21] **2,920,440**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **MULTICARRIER SELECTION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE SELECTION DE PORTEUSES MULTIPLES**
[72] LUO, CHAO, CN
[72] XIAO, JIEHUA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2016-02-04
[86] 2013-08-14 (PCT/CN2013/081489)
[87] (WO2015/021623)

[21] **2,920,441**
[13] A1

[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **INTERFACE ELEMENT FOR DENTAL PROSTHESES**
[54] **ELEMENT D'INTERFACE POUR PROTHESES DENTAIRES**
[72] XAM-MAR MANGRANE, ESTEBAN, ES
[71] XAM-MAR MANGRANE, ESTEBAN, ES
[85] 2016-02-04
[86] 2013-09-23 (PCT/ES2013/070661)
[87] (WO2015/040250)

[21] **2,920,443**
[13] A1

[51] **Int.Cl. H01Q 1/24 (2006.01) H01Q 5/00 (2015.01) H01Q 9/04 (2006.01) H01Q 9/40 (2006.01) H02M 7/21 (2006.01)**
[25] EN
[54] **RF ENERGY HARVESTER**
[54] **DISPOSITIF DE COLLECTE D'ENERGIE RF**
[72] MITCHESON, PAUL DAVID, GB
[72] LUCYSZYN, STEPAN, GB
[72] RANGEL, MANUEL PINUELA, GB
[72] YATES, DAVID CHRISTOPHER, GB
[71] DRAYSON TECHNOLOGIES (EUROPE) LIMITED, GB
[85] 2016-02-04
[86] 2014-08-08 (PCT/GB2014/052431)
[87] (WO2015/019106)
[30] GB (1314307.8) 2013-08-09

[21] **2,920,444**
[13] A1

[51] **Int.Cl. C07K 14/05 (2006.01)**
[25] EN
[54] **T CELL RECEPTORS**
[54] **RECEPTEURS DE LYMPHOCYTES T**
[72] SU, QIN, GB
[72] MOLLOY, PETER, GB
[72] LIDDY, NATHANIEL, GB
[71] IMMUNOCORE LIMITED, GB
[85] 2016-02-04
[86] 2014-08-12 (PCT/GB2014/052464)
[87] (WO2015/022520)
[30] GB (1314404.3) 2013-08-12

[21] **2,920,445**
[13] A1

[51] **Int.Cl. H01Q 1/24 (2006.01) H01Q 1/38 (2006.01) H01Q 9/04 (2006.01)**
[25] FR
[54] **DEVICE FOR TRANSMITTING AND/OR RECEIVING RADIOFREQUENCY SIGNALS**
[54] **DISPOSITIF D'EMISSION ET/OU DE RECEPTION DE SIGNAUX RADIOFREQUENCES**
[72] EL HASSANI, CHAKIB, FR
[72] BARRATT, CHRISTOPHER, FR
[71] INSIGHT SIP, FR
[85] 2016-02-04
[86] 2014-07-31 (PCT/EP2014/066557)
[87] (WO2015/018745)
[30] FR (1357782) 2013-08-05

[21] **2,920,446**
[13] A1

[51] **Int.Cl. F16D 65/28 (2006.01)**
[25] EN
[54] **OPERATING APPARATUS FOR A BRAKE**
[54] **DISPOSITIF D'ACTIONNEMENT POUR UN FREIN**
[72] DREWES, OLAF, DE
[71] SAF-HOLLAND GMBH, DE
[85] 2016-02-04
[86] 2014-08-01 (PCT/EP2014/066612)
[87] (WO2015/022205)
[30] DE (102013215850.5) 2013-08-12

[21] **2,920,447**
[13] A1

[51] **Int.Cl. G01V 1/38 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SURVEYING**
[54] **APPAREIL ET PROCEDE DE PROSPECTION**
[72] HARTLAND, MARTIN JOHN, US
[71] HARTLAND, MARTIN JOHN, US
[85] 2016-02-04
[86] 2013-02-06 (PCT/IB2013/000341)
[87] (WO2014/122494)

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[21] **2,920,448**
[13] A1

[51] **Int.Cl. F42B 3/12 (2006.01) F42C 19/12 (2006.01)**
[25] EN
[54] **ELECTRONIC PRIMER CAP FOR SMALL-CALIBER AMMUNITION**
[54] **CAPSULE D'ALLUMAGE ELECTRIQUE POUR MUNITION DE PETIT CALIBRE**
[72] WINTER, ANDREAS, DE
[72] MOSIG, WOLFGANG, DE
[72] BLEY, ULRICH, DE
[72] HOSCHENKO, ALEKSEJ, DE
[72] LIEBL, MARTIN, DE
[71] RUAG AMMOTEC GMBH, DE
[85] 2016-02-04
[86] 2014-08-05 (PCT/EP2014/066817)
[87] (WO2015/018828)
[30] DE (10 2013 012 910.9) 2013-08-05

[21] **2,920,449**
[13] A1

[51] **Int.Cl. G01P 5/16 (2006.01) G01P 13/02 (2006.01) G01P 21/02 (2006.01)**
[25] EN
[54] **AIR DATA PROBE CONTAMINATION MONITOR**
[54] **MONITEUR DE CONTAMINATION DE SONDE DE DONNEES AERODYNAMIQUES**
[72] CADOTTE, PATRICK, CA
[72] LAHEY, SEAN, CA
[71] BOMBARDIER INC., CA
[85] 2016-02-04
[86] 2014-07-31 (PCT/IB2014/001429)
[87] (WO2015/019147)
[30] US (61/863,473) 2013-08-08

[21] **2,920,450**
[13] A1

[51] **Int.Cl. F42C 19/14 (2006.01)**
[25] EN
[54] **ELECTROMECHANICAL PRIMER CAP**
[54] **CAPSULE D'ALLUMAGE ELECTROMECHANIQUE**
[72] WINTER, ANDREAS, DE
[72] MOSIG, WOLFGANG, DE
[72] BLEY, ULRICH, DE
[72] HOSCHENKO, ALEKSEJ, DE
[71] RUAG AMMOTEC GMBH, DE
[85] 2016-02-04
[86] 2014-08-05 (PCT/EP2014/066818)
[87] (WO2015/018829)
[30] DE (10 2013 012 911.7) 2013-08-05

[21] **2,920,451**
[13] A1

[51] **Int.Cl. E21B 17/01 (2006.01)**
[25] EN
[54] **METHOD FOR INSTALLING AN EXTERNAL LINE ON A DEPLOYED DRILLING RISER**
[54] **PROCEDE D'INSTALLATION D'UNE LIGNE EXTERNE SUR UNE COLONNE MONTANTE DE FORAGE DEPLOYEE**
[72] BORS, CHRISTIAN, NO
[72] COHEN, JOHN H., US
[71] AGR SUBSEA, A.S., NO
[85] 2016-02-04
[86] 2014-08-04 (PCT/IB2014/001810)
[87] (WO2015/019176)
[30] US (61/862,156) 2013-08-05

[21] **2,920,452**
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 38/58 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **NOVEL MEANS TO DECREASE THE NEGATIVE EFFECTS OF SMOKING**
[54] **NOUVEAUX MOYENS POUR REDUIRE LES EFFETS NEGATIFS DU TABAGISME**
[72] VOERMAN, GERARD, BE
[72] VOERMAN, FRISO MARTIJN, BE
[71] VOERMAN, GERARD, BE
[85] 2016-02-04
[86] 2014-08-05 (PCT/EP2014/066844)
[87] (WO2015/018840)
[30] EP (PCT/EP2013/066415) 2013-08-05

[21] **2,920,453**
[13] A1

[51] **Int.Cl. C23C 22/34 (2006.01) C09D 5/00 (2006.01) C23C 22/36 (2006.01)**
[25] EN
[54] **METAL PRETREATMENT WITH ACIDIC AQUEOUS COMPOSITIONS COMPRISING SILANES**
[54] **PRETRAITEMENT DE METAUX AVEC DES COMPOSITIONS AQUEUSES ACIDES COMPRENANT DES SILANES**
[72] WOLPERS, MICHAEL, DE
[72] STODT, JURGEN, DE
[72] SUNDERMEIER, UTA, DE
[72] ZHANG, QI, US
[71] HENKEL AG & CO. KGAA, DE
[85] 2016-02-04
[86] 2014-08-06 (PCT/EP2014/066935)
[87] (WO2015/018873)
[30] DE (10 2013 215 440.2) 2013-08-06

[21] **2,920,454**
[13] A1

[51] **Int.Cl. A61K 35/644 (2015.01) A61P 17/00 (2006.01) C12G 3/02 (2006.01)**
[25] EN
[54] **REACTION PLATFORM AND METHOD FOR MAKING POLLEN BASED MATERIALS IN COMBINATION WITH BEESWAX AND USES THEREOF**
[54] **PLATEFORME DE REACTION ET PROCEDE DE PRODUCTION DE SUBSTANCES A BASE DE POLLEN EN COMBINAISON AVEC DE LA CIRE D'ABELLES ET LEURS UTILISATIONS**
[72] WEIR, IONA E., NZ
[71] DECIMA HEALTH LIMITED, NZ
[85] 2016-02-04
[86] 2014-08-12 (PCT/IB2014/002786)
[87] (WO2015/028892)
[30] US (61/865,011) 2013-08-12

PCT Applications Entering the National Phase

[21] **2,920,455**
[13] A1

[51] **Int.Cl. G01S 13/75 (2006.01) G01B 7/004 (2006.01) G06F 3/00 (2006.01)**

[25] FR

[54] **DEVICE FOR LOCATING ONE OR MORE MOBILE ELEMENTS IN A PREDETERMINED ZONE, AND METHOD IMPLEMENTED IN SUCH A DEVICE**

[54] **DISPOSITIF DE LOCALISATION D'UN OU PLUSIEURS ELEMENTS MOBILES DANS UNE ZONE PREDETERMINEE, ET PROCEDE MIS EN OEUVRE DANS UN TEL DISPOSITIF**

[72] LOURME, JEAN-CHRISTOPHE, FR
[72] TENDON, GARY, FR
[72] HOGREL, JEAN-YVES, FR
[71] VALOTEC, FR
[71] ASSOCIATION INSTITUT DE MYOLOGIE, FR

[85] 2016-02-04
[86] 2014-08-06 (PCT/EP2014/066941)
[87] (WO2015/018876)
[30] FR (1357829) 2013-08-06

[21] **2,920,456**
[13] A1

[51] **Int.Cl. A61K 8/36 (2006.01) A61K 8/63 (2006.01) A61K 31/575 (2006.01) A61P 17/00 (2006.01) A61Q 19/08 (2006.01) C07C 53/42 (2006.01) C07J 9/00 (2006.01)**

[25] EN

[54] **ANTI-AGING COMPOSITIONS COMPRISING BILE ACID-FATTY ACID CONJUGATES**

[54] **COMPOSITIONS ANTI-VIEILLISSEMENT COMPRENANT DES CONJUGUES ACIDES GRAS-ACIDES BILIAIRES**

[72] DAYAN, NAVA, US
[72] BAHARAFF, ALLEN, IL
[71] GALDERM THERAPEUTICS LTD., IL

[85] 2016-02-04
[86] 2014-08-07 (PCT/IL2014/050717)
[87] (WO2015/019358)
[30] IL (227890) 2013-08-08

[21] **2,920,457**
[13] A1

[51] **Int.Cl. A61K 47/48 (2006.01) A61K 31/575 (2006.01) A61P 17/00 (2006.01) A61P 17/10 (2006.01)**

[25] EN

[54] **ANTI-ACNE COMPOSITIONS COMPRISING BILE ACID-FATTY ACID CONJUGATES**

[54] **COMPOSITIONS ANTI-ACNE COMPRENANT DES CONJUGUES ACIDES BILIAIRES-ACIDES GRAS**

[72] DAYAN, NAVA, US
[72] BAHARAFF, ALLEN, IL
[71] GALDERM THERAPEUTICS LTD., IL

[85] 2016-02-04
[86] 2014-08-07 (PCT/IL2014/050718)
[87] (WO2015/019359)
[30] US (61/863,454) 2013-08-08

[21] **2,920,459**
[13] A1

[51] **Int.Cl. A47C 21/02 (2006.01) A47C 21/00 (2006.01)**

[25] EN

[54] **RETAINER BAR ASSEMBLY**

[54] **ENSEMBLE BARRE DE RETENUE**

[72] ESKRIDGE, HORACE ROBERT, III, US
[72] BURTON, LESLIE ALLEN, US
[71] TEMPUR-PEDIC MANAGEMENT, LLC, US

[85] 2016-02-04
[86] 2013-08-06 (PCT/US2013/053729)
[87] (WO2015/020635)

[21] **2,920,460**
[13] A1

[51] **Int.Cl. E21B 43/00 (2006.01) C01B 3/34 (2006.01) C01B 31/20 (2006.01)**

[25] EN

[54] **HYDROGEN SUPPLY SYSTEM AND HYDROGEN SUPPLY METHOD**

[54] **SYSTEME D'ALIMENTATION EN HYDROGENE ET PROCEDE D'ALIMENTATION EN HYDROGENE**

[72] OKADA, YOSHIMI, JP
[72] SHIRASAKI, TOMOHIKO, JP
[72] IKEDA, OSAMU, JP
[72] IMAGAWA, KENICHI, JP
[72] KAWAI, HIRONORI, JP
[72] SHIRAGA, MASATO, JP
[72] ISHIYAMA, TATSUO, JP
[71] CHIYODA CORPORATION, JP

[85] 2016-02-04
[86] 2014-08-05 (PCT/JP2014/004094)
[87] (WO2015/019608)
[30] JP (2013-163462) 2013-08-06
[30] JP (2013-163460) 2013-08-06

[21] **2,920,461**
[13] A1

[51] **Int.Cl. A61K 35/74 (2015.01) A61P 1/00 (2006.01) C12N 1/20 (2006.01)**

[25] EN

[54] **PROBIOTIC FOR INFANTILE EXCESSIVE CRYING**

[54] **PROBIOTIQUES POUR DES CAS DE PLEURS INFANTILS EXCESSIFS**

[72] CUNE CASTELLANA, JORDI, ES
[72] LAZARO MALLEN, ELISABET, ES
[72] ESPADALER MAZO, JORDI, ES
[71] AB-BIOTICS, S.A., ES
[71] VENPHARMA LABORATORIOS, S. A., ES

[85] 2016-02-04
[86] 2014-08-07 (PCT/EP2014/066970)
[87] (WO2015/018883)
[30] EP (13382324.5) 2013-08-09

Demandes PCT entrant en phase nationale

[21] **2,920,462**
[13] A1

[51] **Int.Cl. F42B 12/72 (2006.01) B64F 5/00 (2006.01)**

[25] EN

[54] **PROJECTILE FOR SIMULATING BIRD STRIKE**

[54] **PROJECTILE PERMETTANT DE SIMULER UN IMPACT D'OISEAU**

[72] FUKUSHIGE, SHINYA, JP

[72] USHIDA, HIROHISA, JP

[71] IHI CORPORATION, JP

[85] 2016-02-04

[86] 2014-03-12 (PCT/JP2014/056454)

[87] (WO2015/019649)

[30] JP (2013-162321) 2013-08-05

[21] **2,920,463**
[13] A1

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

[25] EN

[54] **DRILLING FLUID COMPOSITION INCLUDING VISCOSIFIER AND METHOD OF USING THE SAME**

[54] **COMPOSITION DE FLUIDE DE FORAGE COMPRENANT UN AMELIORANT D'INDICE DE VISCOSITE ET SON PROCEDE D'UTILISATION**

[72] ZHOU, HUI, US

[72] DEVILLE, JAY PAUL, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-04

[86] 2013-09-20 (PCT/US2013/060909)

[87] (WO2015/041679)

[21] **2,920,464**
[13] A1

[51] **Int.Cl. E06B 3/663 (2006.01) E06B 3/673 (2006.01)**

[25] EN

[54] **SPACER FOR INSULATING GLAZING UNITS**

[54] **ENTRETOISE POUR VITRAGES ISOLANTS**

[72] KUSTER, HANS-WERNER, DE

[72] SCHREIBER, WALTER, DE

[72] RIGAUD, MARTIN, CH

[71] SAINT-GOBAIN GLASS FRANCE, FR

[85] 2016-02-04

[86] 2014-08-22 (PCT/EP2014/067901)

[87] (WO2015/043848)

[30] EP (13186710.3) 2013-09-30

[21] **2,920,465**
[13] A1

[51] **Int.Cl. C22C 38/00 (2006.01) C21D 9/08 (2006.01) C22C 38/58 (2006.01) B21B 3/00 (2006.01) C21D 8/10 (2006.01)**

[25] EN

[54] **SEAMLESS STEEL PIPE FOR LINE PIPE AND METHOD FOR PRODUCING THE SAME**

[54] **TUBE EN ACIER SANS SOUDURE POUR UNE CANALISATION ET SON PROCEDE DE PRODUCTION**

[72] ARAI, YUJI, JP

[72] UEDA, YUKIMASA, JP

[72] MURATA, KEI, JP

[72] HIDAKA, YASUYOSHI, JP

[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2016-02-04

[86] 2014-06-13 (PCT/JP2014/065757)

[87] (WO2015/019708)

[30] JP (2013-162885) 2013-08-06

[21] **2,920,466**
[13] A1

[51] **Int.Cl. C04B 22/16 (2006.01) C04B 7/02 (2006.01) C04B 28/04 (2006.01)**

[25] EN

[54] **ACTIVATION OF SET-DELAYED CEMENT COMPOSITIONS BY RETARDER EXCHANGE**

[54] **ACTIVATION DE COMPOSITIONS DE CIMENTS A PRISE RALENTIE PAR ECHANGE DE RETARDATEUR DE PRISE**

[72] BOUL, PETER JAMES, US

[72] PANG, XUEYU, US

[72] BOONTHEUNG, PINMANEE, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-04

[86] 2013-10-31 (PCT/US2013/067702)

[87] (WO2015/034543)

[30] US (61/875,398) 2013-09-09

[21] **2,920,468**
[13] A1

[51] **Int.Cl. F23C 99/00 (2006.01) F22B 29/00 (2006.01) F22B 31/00 (2006.01) F23D 14/02 (2006.01)**

[25] EN

[54] **BURNER AND BOILER EQUIPPED WITH THE BURNER**

[54] **BRULEUR ET CHAUDIERE EQUIPEE D'UN BRULEUR**

[72] OKABE, AKIYOSHI, JP

[71] MIURA CO., LTD., JP

[85] 2016-02-04

[86] 2014-07-03 (PCT/JP2014/067750)

[87] (WO2015/019760)

[30] JP (2013-162311) 2013-08-05

[21] **2,920,471**
[13] A1

[51] **Int.Cl. G01N 31/22 (2006.01) G01N 33/18 (2006.01)**

[25] EN

[54] **A CHLORINE ANALYTICAL TEST ELEMENT AND A STABILIZED N,N-DIETHYL-P-PHENYLENEDIAMINE SOLUTION**

[54] **ELEMENT DE TEST ANALYTIQUE DU CHLORE ET SOLUTION STABILISEE DE N,N-DIETHYL-P-PHENYLENEDIAMINE**

[72] ISMAIL, IBRAHIM, US

[72] HERTEL, MATTHEW, US

[72] SWANSON, TERESA L., US

[71] HACH COMPANY, US

[85] 2016-02-04

[86] 2014-06-20 (PCT/US2014/043419)

[87] (WO2015/023362)

[30] US (61/866,738) 2013-08-16

[21] **2,920,472**
[13] A1

[51] **Int.Cl. H01M 8/24 (2016.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01)**

[25] EN

[54] **DEFORMATION ABSORBING MEMBER AND FUEL CELL**

[54] **ELEMENT D'ABSORPTION DE DEFORMATIONS ET PILE A COMBUSTIBLE**

[72] HORAI, ATSUSHI, JP

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

[85] 2016-02-04

[86] 2014-07-03 (PCT/JP2014/067830)

[87] (WO2015/019764)

[30] JP (2013-162542) 2013-08-05

PCT Applications Entering the National Phase

[21] **2,920,474**
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/573 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **BLOOD-BASED SCREEN FOR DETECTING NEUROLOGICAL DISEASES IN PRIMARY CARE SETTINGS**

[54] **DEPISTAGE BASE SUR LE SANG POUR LA DETECTION D'UNE MALADIE NEUROLOGIQUE DANS DES INSTALLATIONS DE SOINS PRIMAIRES**

[72] O'BRYANT, SID E., US

[72] BARBER, ROBERT C., US

[72] XIAO, GUANGHUA, US

[72] GERMAN, DWIGHT, US

[71] UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER AT FORT WORTH, US

[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US

[85] 2016-02-04

[86] 2014-07-09 (PCT/US2014/046015)

[87] (WO2015/006489)

[30] US (61/845,121) 2013-07-11

[21] **2,920,475**
[13] A1

[51] **Int.Cl. H04W 80/04 (2009.01) H04W 28/16 (2009.01) H04W 72/04 (2009.01)**

[25] EN

[54] **MOBILE STATION AND WIRELESS BASE STATION**

[54] **STATION MOBILE ET STATION DE BASE SANS FIL**

[72] TAKAHASHI, HIDEAKI, JP

[72] HAPSARI, WURI ANDARMAWANTI, JP

[72] UCHINO, TOORU, JP

[72] ABETA, SADAYUKI, JP

[71] NTT DOCOMO, INC., JP

[85] 2016-02-04

[86] 2014-08-07 (PCT/JP2014/070856)

[87] (WO2015/020145)

[30] JP (2013-166580) 2013-08-09

[21] **2,920,477**
[13] A1

[51] **Int.Cl. F02C 7/264 (2006.01) F02C 7/266 (2006.01) F23R 3/00 (2006.01)**

[25] EN

[54] **FUEL IGNITER ASSEMBLY HAVING HEAT-DISSIPATING ELEMENT AND METHODS OF USING SAME**

[54] **ENSEMBLE ALLUMEUR DE CARBURANT POSSEDANT UN ELEMENT DE DISSIPATION DE CHALEUR ET SES PROCEDES D'UTILISATION**

[72] MARTINEZ FABRE, RAUL ARROYO, MX

[72] MARTINEZ CERVANTES, JUAN HUMBERTO, MX

[72] GUTIERREZ ESPINOSA, RICARDO ARTURO, MX

[72] BENKABBOU, HICHAM, US

[71] UNISON INDUSTRIES, LLC, US

[85] 2016-02-04

[86] 2014-07-24 (PCT/US2014/048016)

[87] (WO2015/065550)

[30] US (13/964,438) 2013-08-12

[21] **2,920,479**
[13] A1

[51] **Int.Cl. C10G 1/00 (2006.01)**

[25] EN

[54] **CATALYSTS FOR THERMO-CATALYTIC CONVERSION OF BIOMASS, AND METHODS OF MAKING AND USING**

[54] **CATALYSEURS POUR CONVERSION THERMO-CATALYTIQUE DE BIOMASSE, ET PROCEDES DE REALISATION ET D'UTILISATION DE CEUX-CI**

[72] ADKINS, BRUCE, US

[72] SPRINGS, JERRY JON, US

[72] ZHOU, LING, US

[71] KIOR, LLC, US

[85] 2016-02-04

[86] 2014-07-28 (PCT/US2014/048481)

[87] (WO2015/020827)

[30] US (13/963,493) 2013-08-09

[21] **2,920,480**
[13] A1

[51] **Int.Cl. C10G 31/06 (2006.01) C10G 3/00 (2006.01)**

[25] EN

[54] **PRODUCTION OF RENEWABLE BIO-DISTILLATE**

[54] **PRODUCTION DE BIO-DISTILLAT RENOUEVELABLE**

[72] RAMIREZ-CORREDORES, MARIA MAGDALENA, US

[72] ZHANG, CHANGAN, US

[71] KIOR, LLC, US

[85] 2016-02-04

[86] 2014-07-29 (PCT/US2014/048648)

[87] (WO2015/023430)

[30] US (13/964,873) 2013-08-12

[21] **2,920,481**
[13] A1

[51] **Int.Cl. C01G 53/00 (2006.01) H01M 4/525 (2010.01) H01M 4/50 (2010.01) H01M 4/52 (2010.01)**

[25] EN

[54] **IMPROVED LITHIUM METAL OXIDE RICH CATHODE MATERIALS AND METHOD TO MAKE THEM**

[54] **MATERIAUX AMELIORES POUR CATHODE RICHES EN OXYDE METALLIQUE DE LITHIUM ET LEUR PROCEDE DE FABRICATION**

[72] STOTTLEMYER, ALAN L., US

[72] NUMATA, KOICHI, US

[72] XIA, SHIJING, US

[72] MAEDA, HIDEAKI, US

[72] DREIBELBIS, MARK L., US

[72] GARDNER, MICHAEL, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2016-02-04

[86] 2014-08-05 (PCT/US2014/049660)

[87] (WO2015/026514)

[30] US (61/867,256) 2013-08-19

Demandes PCT entrant en phase nationale

[21] **2,920,482**
[13] A1

[51] **Int.Cl. F01D 11/04 (2006.01) F02C 7/06 (2006.01) F02C 7/28 (2006.01)**

[25] EN

[54] **FLOW VORTEX SPOILER**

[54] **DEFLECTEUR DE TOURBILLONS D'ÉCOULEMENT**

[72] BORDNE, CHRISTOPHER MARK, US

[72] LUZ, JAMES, US

[72] FENN, ANDREW COURTENAY, US

[72] MCCARTHY, THOMAS CHARLES, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2016-02-04

[86] 2014-08-05 (PCT/US2014/049682)

[87] (WO2015/023471)

[30] US (61/866,713) 2013-08-16

[21] **2,920,483**
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **ANTIBODIES FOR DIAGNOSIS OF ACUTE MYELOID LEUKEMIA**

[54] **ANTICORPS POUR LE DIAGNOSTIC DE LA LEUCEMIE MYELOIDE AIGUE**

[72] BARTH, STEFAN, DE

[72] TUR, MEHMET KEMAL, DE

[72] FITTING, JENNY, DE

[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2016-02-04

[86] 2014-08-27 (PCT/EP2014/068116)

[87] (WO2015/028484)

[30] EP (13181874.2) 2013-08-27

[21] **2,920,484**
[13] A1

[51] **Int.Cl. C12N 15/00 (2006.01) A61K 39/395 (2006.01) A61P 11/06 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **NOVEL ANTI-HUMAN TSLP RECEPTOR ANTIBODY**

[54] **NOUVEL ANTICORPS ANTI-RECEPTEUR DE LA TSLP HUMAINE**

[72] SATO, HIROMU, JP

[72] YAMAJUKU, DAISUKE, JP

[72] ARAI, KAZUNORI, JP

[72] OGINO, MAKUO, JP

[71] ASTELLAS PHARMA INC., JP

[85] 2016-02-04

[86] 2014-08-08 (PCT/JP2014/071008)

[87] (WO2015/020193)

[30] JP (2013-165676) 2013-08-09

[21] **2,920,485**
[13] A1

[51] **Int.Cl. G01K 1/02 (2006.01) G05D 23/19 (2006.01) G01K 3/08 (2006.01)**

[25] EN

[54] **FLEXIBLE TEMPERATURE SENSOR INCLUDING CONFORMABLE ELECTRONICS**

[54] **CAPTEUR DE TEMPERATURE SOUPLE COMPRENANT DES COMPOSANTS ELECTRONIQUES CONFORMABLES**

[72] LI, XIA, US

[72] GUPTA, SANJAY, US

[72] DOWLING, KEVIN J., US

[72] KACYVENSKI, ISAIAH, US

[72] CERUOLO, MELISSA, US

[72] IVES, BARRY G., US

[71] MC10, INC., US

[85] 2016-02-04

[86] 2014-08-05 (PCT/US2014/049769)

[87] (WO2015/021039)

[30] US (61/862,448) 2013-08-05

[21] **2,920,487**
[13] A1

[51] **Int.Cl. C09B 29/033 (2006.01) C09B 29/08 (2006.01) C11D 3/40 (2006.01) C11D 3/42 (2006.01)**

[25] EN

[54] **LAUNDRY CARE COMPOSITION COMPRISING CARBOXYLATE DYE**

[54] **COMPOSITION D'ENTRETIEN DU LINGE COMPRENANT UN COLORANT CARBOXYLATE**

[72] MIRACLE, GREGORY SCOT, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2016-02-04

[86] 2014-08-27 (PCT/US2014/052795)

[87] (WO2015/041814)

[30] US (61/879,302) 2013-09-18

[21] **2,920,488**
[13] A1

[51] **Int.Cl. A61M 11/00 (2006.01) A01K 1/06 (2006.01) A61M 15/00 (2006.01)**

[25] EN

[54] **INSUFFLATION APPARATUS AND METHODS**

[54] **APPAREIL D'INSUFFLATION ET PROCEDES**

[72] ADAMO, BENOIT, US

[72] LAURENZI, BRENDAN F., US

[72] SMUTNEY, CHAD C., US

[71] MANNKIND CORPORATION, US

[85] 2016-02-04

[86] 2014-08-05 (PCT/US2014/049817)

[87] (WO2015/021064)

[30] US (61/862,484) 2013-08-05

PCT Applications Entering the National Phase

[21] **2,920,490**
[13] A1

[51] **Int.Cl. H01L 21/368 (2006.01) C01G 15/00 (2006.01) H01L 21/336 (2006.01) H01L 29/786 (2006.01)**

[25] EN

[54] **OXIDE SEMICONDUCTOR LAYER AND PRODUCTION METHOD THEREFOR, OXIDE SEMICONDUCTOR PRECURSOR, OXIDE SEMICONDUCTOR LAYER, SEMICONDUCTOR ELEMENT, AND ELECTRONIC DEVICE**

[54] **COUCHE D'OXYDE DE SEMI-CONDUCTEUR ET PROCEDE DE PRODUCTION CORRESPONDANT, PRECURSEUR D'OXYDE DE SEMI-CONDUCTEUR, COUCHE D'OXYDE DE SEMI-CONDUCTEUR, ELEMENT SEMI-CONDUCTEUR ET DISPOSITIF ELECTRONIQUE**

[72] INOUE, SATOSHI, JP
[72] SHIMODA, TATSUYA, JP
[72] KAWAKITA, TOMOKI, JP
[72] FUJIMOTO, NOBUTAKA, JP
[72] NISHIOKA, KIYOSHI, JP
[71] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[71] NATIONAL UNIVERSITY CORPORATION JAPAN ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, JP

[85] 2016-02-03
[86] 2014-07-04 (PCT/JP2014/067960)
[87] (WO2015/019771)
[30] JP (2013-166318) 2013-08-09
[30] JP (2013-262975) 2013-12-19

[21] **2,920,491**
[13] A1

[51] **Int.Cl. A61M 25/16 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL CATHETERS WITH PERMEABILIZATION AGENTS**

[54] **CATHETERS ANTIMICROBIENS AVEC AGENTS DE PERMEABILISATION**

[72] LUCCHINO, DAVID, US
[72] LOOSE, CHRISTOPHER R., US
[71] ARROW INTERNATIONAL, INC, US

[85] 2016-02-04
[86] 2014-08-06 (PCT/US2014/049896)
[87] (WO2015/021123)
[30] US (61/863,065) 2013-08-07
[30] US (61/869,482) 2013-08-23

[21] **2,920,492**
[13] A1

[51] **Int.Cl. G06T 7/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ADAPTIVE HISTOPATHOLOGY IMAGE UNMIXING**

[54] **SYSTEMES ET PROCEDES DE SEGREGATION ADAPTATIVE D'IMAGES HISTOPATHOLOGIQUES**

[72] CHUKKA, SRINIVAS, US
[72] SARKAR, ANINDYA, US
[72] CHEN, TING, US
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[54] **PROCEDE DE RESTAURATION DE DONNEES DE PUIITS DE FORAGE**

[72] MASSONNAT, GERARD, FR
[71] TOTAL SA, FR

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[54] **LINE-BASED IMAGE REGISTRATION AND CROSS-IMAGE ANNOTATION DEVICES, SYSTEMS AND METHODS**

[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ENREGISTREMENT D'IMAGES EN LIGNES ET D'ANNOTATION SUR IMAGES**

[72] CHUKKA, SRINIVAS, US
[72] SARKAR, ANINDYA, US
[72] YUAN, QUAN, US
[71] VENTANA MEDICAL SYSTEMS, INC., US

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[54] **SYSTEMES ET ENSEMBLES POUR APPAREILS DE STOMIE**

[72] GOLDSMITH, BRUCE, US
[71] GOLDSMITH, BRUCE, US

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[54] **COMPOSITION DE SOINS DU LINGE COMPRENANT UN COLORANT CARBOXYLATE**

[72] MIRACLE, GREGORY SCOT, US
[71] THE PROCTER & GAMBLE COMPANY, US

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[72] SOUCHE, LAURENT ARNAUD, FR
[71] SCHLUMBERGER CANADA LIMITED, CA
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[72] ROSSI, ANDREA, US
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[54] **DISTRIBUTED SCHEDULING FOR DEVICE-TO-DEVICE COMMUNICATION**
[54] **PLANIFICATION DISTRIBUEE POUR UNE COMMUNICATION DE DISPOSITIF A DISPOSITIF**
[72] MARINIER, PAUL, CA
[72] PELLETIER, BENOIT, CA
[72] RUDOLF, MARIAN, CA
[72] PANI, DIANA, CA
[72] POITAU, GWENAEL, CA
[72] PELLETIER, GHYSLAIN, CA
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[54] **CONTROLE DE DONNEES VITALES ESSENTIELLES**
[72] WEBB, JASON MICHAEL, AU
[72] LOEWENSTEIN, JEFFREY DENNIS, AU
[71] MYPERSONALDOCS PTY LTD, AU
[85] 2016-02-05
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[54] **GLOBAL CALIBRATION BASED RESERVOIR QUALITY PREDICTION FROM REAL-TIME GEOCHEMICAL DATA MEASUREMENTS**
[54] **PREDICTION DE QUALITE DE RESERVOIRS BASEE SUR L'ETALONNAGE GLOBAL A PARTIR DE MESURES DE DONNEES GEOCHIMIQUES EN TEMPS REEL**
[72] CHOK, HAMED, US
[72] HUGHES, SIMON N., US
[72] SMITH, CHRISTOPHER N., US
[72] DIX, MICHAEL C., US
[71] WEATHERFORD/LAMB, INC., US
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[54] **PROCEDE DE PURIFICATION DE COMPOSES DIAMINOPHENOTHIAZINIUM**
[72] MALVIN, EUTICK, AU
[71] EUPHARMA PTY LTD, AU
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[54] **MODELISATION INTEGREE D'UN CHAMP PETROLIFERE ACTIF UTILISANT DES RESOLUTIONS MULTIPLES DE DETAIL DU RESERVOIR**
[72] ROWAN, DAVID G., GB
[72] WAKEFIELD, MARK A., GB
[72] BULMAN, SIMON D., GB
[71] SCHLUMBERGER CANADA LIMITED, CA
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[54] **PROCEDES UTILISANT DES MEMBRANES SELECTIVEMENT PERMEABLES**
[72] BADWAL, SUKHVINDER, AU
[72] GIDDEY, SARBJIT SINGH, AU
[72] CIACCHI, FABIO TOMASO, AU
[72] KULKARNI, ANIRUDDHA, AU
[72] HUGHES, ANTHONY E., AU
[72] KENNEDY, DANIELLE FRANCES, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **APTAMERES DE PDGF ET VEGF PRESENTANT UNE STABILITE AMELIOREE ET LEUR UTILISATION DANS LE TRAITEMENT DE MALADIES ET DE TROUBLES MEDIES PAR PDGF ET VEGF**
[72] JANJIC, NEBOJSA, US
[72] DROLET, DANIEL W., US
[72] GELINAS, AMY D., US
[72] ZHANG, CHI, US
[72] VRKLJAN, MICHAEL, US
[71] SOMALOGIC, INC., US
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[72] JOHNSON, JEFFREY M., US
[72] BOKELMAN, KEVIN, US
[72] GUPTA, JYOTI, US
[72] MCKEE, BRANDON J., US
[71] UNITRACT SYRINGE PTY LTD, AU
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[54] **OBJECT-BASED WELL CORRELATION**
[54] **CORRELATION DE Puits BAsEE SUR UN OBJET**
[72] COURTADE, SERGIO FABIO, NO
[72] MESSENGER, ROBERT, NO
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-02-04
[86] 2014-09-09 (PCT/US2014/054648)
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[54] **LIAISON DE TELEMETRIE PAR COMMUNICATION EN CHAMP PROCHE CO-PLANAIRE, POUR UN CAPTEUR D'ANALYTE**
[72] TANKIEWICZ, SZYMON, US
[72] SCHAEFER, JOSHUA, US
[72] DEHENNIS, ANDREW, US
[72] WHITEHURST, TODD, US
[71] SENSEONICS, INCORPORATED, US
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[54] **ROUNDSLINGS WITH RADIO FREQUENCY IDENTIFICATION PRE-FAILURE WARNING INDICATORS**
[54] **ELINGUES RONDES AVEC INDICATEURS D'ALERTE PRE-DEFAILLANCE PAR IDENTIFICATION RADIOFREQUENCE**
[72] ST. GERMAIN, SCOTT, US
[71] SLINGMAX, INC., US
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[54] **COMPOSITIONS DE DESINFECTANT ANTIMICROBIEN ET LEURS METHODES DE FABRICATION**
[72] GIOVANNIELLO, JOSEPH, US
[71] SANIT TECHNOLOGIES LLC, US
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[54] **DEBITMETRES DOTES DE ROTORS AMELIORES DE BLOCAGE ET DE DEPLACEMENT**
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[72] KOLB, WILLIAM J., US
[71] LIQUID CONTROLS GROUP, A UNIT OF IDEX CORPORATION, US
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[54] **DETERMINATION D'ORBITE INITIALE (IOD) UNIQUEMENT A PARTIR D'ANGLES**
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[72] SILNY, JOHN F., US
[71] RAYTHEON COMPANY, US
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[54] **ASSAYS FOR TIMP2 HAVING IMPROVED PERFORMANCE IN BIOLOGICAL SAMPLES**
[54] **DOSAGES POUR TIMP2 AYANT UNE EFFICACITE AMELIOREE DANS DES ECHANTILLONS BIOLOGIQUES**
[72] VIJAYENDRAN, RAVI A., US
[72] VENKATASUBBARAO, SRIVATSA, US
[71] ASTUTE MEDICAL, INC., US
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[72] MURRAY, KEVIN, US
[72] MORDECAI, MARK, US
[71] GLOBE HOLDING COMPANY LLC, US
[85] 2016-02-04
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[54] **SENSOR GROWTH CONTROLLER**
[54] **REGULATEUR DE CROISSANCE A CAPTEUR**
[72] CHAN, WEN, CA
[71] XAGENIC INC., CA
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[54] **ETAGERE PIVOTANTE**
[72] DUKE, AARON, CA
[71] ERGO-INDUSTRIAL SEATING SYSTEMS INC., CA
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[54] **CONDITIONING OF EXPANDED POROSITY**
[54] **CONDITIONNEMENT DE POROSITE EXPANSE**
[72] GRADER, ABRAHM S., US
[72] MU, YAOMING, US
[72] SUHRER, MICHAEL, US
[72] TOELKE, JONAS, US
[71] INGRAIN, INC., US
[85] 2016-02-04
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[87] (WO2015/021424)
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[54] **POWER CABINET FOR MEDIUM-HIGH VOLTAGE CONVERTER**
[54] **ARMOIRE DE PUISSANCE POUR ONDULEUR A MOYENNE-HAUTE TENSION**
[72] VOEGELI, ANDREAS, CN
[72] GERBER, DANIEL, CN
[72] LUO, SHEN, CN
[71] ABB TECHNOLOGY LTD., CH
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[54] **A METHOD FOR THE SITE-SPECIFIC ENZYMATIC LABELLING OF NUCLEIC ACIDS IN VITRO BY INCORPORATION OF UNNATURAL NUCLEOTIDES**
[54] **PROCEDE D'ETIQUETAGE ENZYMATIQUE SPECIFIQUE DE SITE D'ACIDES NUCLEIQUES IN VITRO PAR INCORPORATION DE NUCLEOTIDES NON NATURELS**
[72] ROMESBERG, FLOYD E., US
[72] MALYSHEV, DENIS A., US
[72] LI, LINGJUN, US
[72] LAVERGNE, THOMAS, US
[72] LI, ZHENGTAO, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
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[25] EN
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[54] **METHODE, APPAREIL ET SYSTEME DE TRAITEMENT D'ACCES MEMOIRE**
[72] FAN, DONGRUI, CN
[72] SONG, FENGLONG, CN
[72] WANG, DA, CN
[72] YE, XIAOCHUN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[30] CN (201310339295.0) 2013-08-06

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[54] **GLOBAL BACK-END TAXONOMY FOR COMMERCE ENVIRONNEMENTS**
[54] **TAXINOMIE DORSALE GLOBALE DESTINEE AUX ENVIRONNEMENTS DE COMMERCE**
[72] MENIPAZ, AMIT REUVEN, US
[72] POLISETTY, RAVI, US
[72] RAMAN, SURESH, US
[72] LAW, GERALD, US
[72] LIU, MING, US
[71] EBAY INC., US
[85] 2016-02-04
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[87] (WO2015/021452)
[30] US (61/864,182) 2013-08-09
[30] US (14/455,678) 2014-08-08

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[54] **DYNAMICALLY DETERMINING RISK OF CLINICAL CONDITION**
[54] **DETERMINATION DYNAMIQUE DE RISQUE LIE A UN ETAT CLINIQUE**
[72] MCNAIR, DOUGLAS S., US
[72] MURRISH, JOHN CHRISTOPHER, US
[72] KAILASAM, KANAKASABHA, US
[71] CERNER INNOVATION, INC., US
[85] 2016-02-04
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[30] US (61/864,992) 2013-08-12
[30] US (14/147,978) 2014-01-06

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[25] EN
[54] **SPLICED AND ASSEMBLED DISPLAY BODY**
[54] **AFFICHAGE D'EXPOSITION ASSEMBLE AU MOYEN DE RACCORDS**
[72] PENG, YALAN, CN
[71] HANGZHOU LEGGY HORSE TECH. CO., LTD., CN
[85] 2016-02-05
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[87] (WO2015/018317)
[30] CN (201310343731.1) 2013-08-08

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[54] **IV SET SYSTEM WITH CODED COMPONENTS**
[54] **SYSTEME D'ENSEMBLES A PERFUSION (IV) AYANT DES COMPOSANTS CODES**
[72] REICHERT, LUCAS, US
[72] BULLOCH, EDWIN T., US
[72] HARWARD, ANTHONY CLARK, US
[71] SOMNUS MEDICAL, LLC, US
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<p>[51] Int.Cl. A61K 31/365 (2006.01) A61K 9/16 (2006.01) A61P 1/00 (2006.01) A61P 31/00 (2006.01)</p> <p>[25] EN</p> <p>[54] APPLICATION OF ANDROGRAPHOLIDE IN THE PREPARATION OF A PHARMACEUTICAL FOR TREATMENT OF INFLAMMATORY BOWEL DISEASE, ANDROGRAPHOLIDE ENTERIC TARGETING MICROPELLET, AND METHOD FOR PREPARATION THEREOF</p> <p>[54] APPLICATION D'ANDROGRAPHOLIDE DANS LA PREPARATION D'UN PRODUIT PHARMACEUTIQUE POUR LE TRAITEMENT D'AFFECTION INFLAMMATOIRE DU TUBE DIGESTIF, MICROGRANULE D'ANDROGRAPHOLIDE POUR LAVECTORISATION DE MEDICAMENTS GASTRO-RESISTANTS ET LEUR PROCEDE DE PREPARATION</p> <p>[72] SUN, HENRY, CN [72] MA, XIAOHUI, CN [72] GUO, ZHIXIN, CN [72] LIN, SEN, CN [72] WANG, GENBEI, CN [72] YAN, LULU, CN [72] ZHANG, LIHUA, CN [72] ZHOU, SHUIPING, CN [72] ZHANG, SHUNNAN, CN [71] TASLY PHARMACEUTICAL GROUP CO., LTD., CN [85] 2016-02-05 [86] 2014-08-06 (PCT/CN2014/083810) [87] (WO2015/018344) [30] CN (201310338444.1) 2013-08-06</p>	<p>[51] Int.Cl. A61K 31/4162 (2006.01) A61K 31/4155 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR THE TREATMENT OF HER2 AMPLIFIED CANCER</p> <p>[54] METHODES DE TRAITEMENT D'UN CANCER AMPLIFIE PAR HER2</p> <p>[72] CHEN, JUN, US [72] BUGGY, JOSEPH J., US [72] ELIAS, LAURENCE, US [71] PHARMACYCLICS LLC, US [85] 2016-02-04 [86] 2014-08-12 (PCT/US2014/050783) [87] (WO2015/023703) [30] US (61/865,059) 2013-08-12 [30] US (61/969,003) 2014-03-21</p>	<p>[51] Int.Cl. E21B 43/263 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR DELIVERING OR FOR PREPARING THE DELIVERY OF FLUID MEDIA</p> <p>[54] PROCEDE PERMETTANT L'EXTRACTION OU LA PREPARATION DE L'EXTRACTION DE MILIEUX FLUIDES</p> <p>[72] KASHAFUTDINOV, VARIS, DE [72] PADERIN, MIKHAIL, RU [71] KASHAFUTDINOV, VARIS, DE [85] 2016-02-05 [86] 2013-08-09 (PCT/DE2013/100288) [87] (WO2014/146624)</p>
	[21] 2,920,535 [13] A1	[21] 2,920,537 [13] A1
	<p>[51] Int.Cl. A61M 5/162 (2006.01)</p> <p>[25] EN</p> <p>[54] IV SET SYSTEM WITH SEPARABLY JOINED, STRIPPABLE IV SETS AND MERGING FLUID PATHWAY</p> <p>[54] SYSTEME D'ENSEMBLES DE PERFUSION INTRAVEINEUSE AYANT DES ENSEMBLES IV PELABLES, RELIES DE FACON SEPARABLE, ET UN PASSAGE DE FLUIDE CONVERGENT</p> <p>[72] REICHERT, LUCAS, US [72] BULLOCH, EDWIN T., US [72] HARWARD, ANTHONY CLARK, US [71] SOMNUS MEDICAL, LLC, US [85] 2016-02-04 [86] 2014-08-12 (PCT/US2014/050785) [87] (WO2015/023705) [30] US (61/864,977) 2013-08-12</p>	<p>[51] Int.Cl. C07D 401/14 (2006.01) A61K 31/4545 (2006.01) A61P 9/00 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 211/32 (2006.01) C07D 401/06 (2006.01) C07D 401/08 (2006.01) C07D 401/12 (2006.01)</p> <p>[25] EN</p> <p>[54] PIPERIDINE UREA DERIVATIVES</p> <p>[54] DERIVES D'UREE DE PIPERIDINE</p> <p>[72] BUCHSTALLER, HANS-PETER, DE [72] DORSCH, DIETER, DE [71] MERCK PATENT GMBH, DE [85] 2016-02-05 [86] 2014-07-09 (PCT/EP2014/001882) [87] (WO2015/018475) [30] EP (13003949.8) 2013-08-07</p>

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[21] **2,920,538**
[13] A1

[51] **Int.Cl. A61M 5/14 (2006.01) A61M 39/00 (2006.01) A61M 39/02 (2006.01) A61M 39/10 (2006.01) A61M 39/28 (2006.01)**

[25] EN

[54] **IV SET SYSTEM WITH BYPASS MANIFOLD**

[54] **SYSTEME D'ENSEMBLE DE PERFUSION INTRA VEINEUSE MUNI D'UN COLLECTEUR DE DERIVATION**

[72] REICHERT, LUCAS, US
[72] BULLOCH, EDWIN T., US
[72] HARWARD, ANTHONY CLARK, US
[71] SOMNUS MEDICAL, LLC, US
[85] 2016-02-04
[86] 2014-08-12 (PCT/US2014/050786)
[87] (WO2015/023706)
[30] US (61/864,977) 2013-08-12

[21] **2,920,539**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 14/715 (2006.01) C07K 16/28 (2006.01)**

[25] EN

[54] **COMBINED PHARMACEUTICAL COMPOSITION**

[54] **COMPOSITION PHARMACEUTIQUE COMBINEE**

[72] BECHARD, DAVID, FR
[72] CHAPUT, NATHALIE, FR
[72] DESBOIS, MELANIE, FR
[71] CYTUNE PHARMA, FR
[71] INSTITUT GUSTAVE ROUSSY (IGR), FR
[85] 2016-02-05
[86] 2014-08-08 (PCT/EP2014/002182)
[87] (WO2015/018529)
[30] EP (13003964.7) 2013-08-08

[21] **2,920,540**
[13] A1

[51] **Int.Cl. F23M 20/00 (2014.01) F23R 3/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR DAMPENING ACOUSTICS**

[54] **APPAREIL ET PROCEDE PERMETTANT D'AMORTIR L'ACOUSTIQUE**

[72] WANG, SHANWU, US
[72] DANIS, ALLEN MICHAEL, US
[72] HAN, FEI, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2016-02-04
[86] 2014-08-13 (PCT/US2014/050843)
[87] (WO2015/023733)
[30] US (61/865,361) 2013-08-13

[21] **2,920,541**
[13] A1

[51] **Int.Cl. G07D 7/06 (2006.01)**

[25] EN

[54] **METHOD FOR VERIFYING A VALUABLE DOCUMENT HAVING A POLYMER SUBSTRATE AND A TRANSPARENT WINDOW AND MEANS FOR CARRYING OUT SAID METHOD**

[54] **PROCEDE DE VERIFICATION D'UN DOCUMENT DE VALEUR AYANT UN SUBSTRAT POLYMERE ET UNE FENETRE TRANSPARENTE, ET MOYEN SERVANT A METTRE EN ŒUVRE LE PROCEDE**

[72] SU, SHANCHUAN, DE
[71] GIESECKE & DEVRIENT GMBH, DE
[85] 2016-02-05
[86] 2014-09-25 (PCT/EP2014/002606)
[87] (WO2015/043751)
[30] DE (102013016120.7) 2013-09-27

[21] **2,920,542**
[13] A1

[51] **Int.Cl. A61M 25/02 (2006.01) A61M 5/158 (2006.01) A61M 25/00 (2006.01) A61M 25/06 (2006.01) A61M 39/10 (2006.01)**

[25] EN

[54] **CATHETER CONNECTION AND STABILIZATION DEVICE AND METHODS OF USING SAME**

[54] **RACCORD ET DISPOSITIF DE STABILISATION DE CATHETER ET SON PROCEDE D'UTILISATION**

[72] MASEDA, LUIS, US
[72] CHELAK, TODD, US
[72] DENNIS, NICHOLAS, US
[72] KIMBALL, IAN, US
[71] NP MEDICAL INC., US
[85] 2016-02-04
[86] 2014-08-15 (PCT/US2014/051217)
[87] (WO2015/023922)
[30] US (61/866,686) 2013-08-16

[21] **2,920,543**
[13] A1

[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/26 (2006.01) B32B 7/02 (2006.01) D04H 5/08 (2012.01) D06N 3/06 (2006.01) D06N 7/00 (2006.01)**

[25] EN

[54] **VINYL FLOOR COVERING**

[54] **REVETEMENT DE SOL EN VINYLE**

[72] VAN DER ZIJPP, YPE, NL
[71] BONAR B.V., NL
[85] 2016-02-05
[86] 2014-07-08 (PCT/EP2014/064525)
[87] (WO2015/018581)
[30] EP (13179825.8) 2013-08-09

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[21] **2,920,544**
[13] A1

[51] **Int.Cl. A61F 2/04 (2013.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING METABOLIC DISEASE**
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT DE MALADIE METABOLIQUE**
[72] BAKER, RANDAL S., US
[72] FOOTE, JAMES A., US
[71] BFKW, LLC, US
[85] 2016-02-04
[86] 2014-08-15 (PCT/US2014/051259)
[87] (WO2015/031077)
[30] US (61/870,531) 2013-08-27
[30] US (61/878,409) 2013-09-16
[30] US (61/904,892) 2013-11-15

[21] **2,920,545**
[13] A1

[51] **Int.Cl. G06T 1/00 (2006.01) G06T 17/00 (2006.01)**
[25] EN
[54] **PIXEL-BASED OR VOXEL-BASED MESH EDITING**
[54] **EDITION DE MAILLE BASEE SUR UN PIXEL OU BASEE SUR UN VOXEL**
[72] DYSVIK, BJARTE, NO
[72] CATWRIGHT, LUKE, NO
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2016-02-04
[86] 2014-08-15 (PCT/US2014/051275)
[87] (WO2015/023946)
[30] US (61/866,868) 2013-08-16
[30] US (61/890,646) 2013-10-14
[30] US (61/902,835) 2013-11-12
[30] US (14/459,849) 2014-08-14

[21] **2,920,546**
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/56 (2006.01) A61B 17/70 (2006.01) A61F 2/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CLOSING A FISSURE IN THE ANNULUS OF AN INTERVERTEBRAL DISC, AND/OR FOR EFFECTING OTHER ANATOMICAL REPAIRS AND/OR FIXATIONS**
[54] **PROCEDE ET APPAREIL POUR FERMER UNE FISSURE DANS L'ESPACE ANNULAIRE D'UN DISQUE INTERVERTEBRAL, ET/OU POUR ACCOMPLIR D'AUTRES REPARATIONS ET/OU FIXATIONS ANATOMIQUES**
[72] SORENSEN, PETER, US
[72] MORGAN, DANIEL, US
[72] FERREE, BRET, US
[72] RUNNELLS, CHRISTOPHER, US
[71] SUTURE CONCEPTS INC., US
[85] 2016-02-04
[86] 2014-08-18 (PCT/US2014/051497)
[87] (WO2015/024013)
[30] US (61/866,955) 2013-08-16
[30] US (61/915,433) 2013-12-12
[30] US (61/984,431) 2014-04-25

[21] **2,920,547**
[13] A1

[51] **Int.Cl. B64D 11/04 (2006.01)**
[25] EN
[54] **TOASTER BROILER FOR AIRCRAFT GALLEY**
[54] **GRILLE-PAIN/GRIL POUR CUISINE D'AVION**
[72] CUSELL, LEONARD, NL
[72] GODECKER, WILLIAM J., US
[72] ARAMBULA, SANDRA, US
[71] B/E AEROSPACE, INC., US
[85] 2016-02-04
[86] 2014-08-22 (PCT/US2014/052388)
[87] (WO2015/027211)
[30] US (61/869,386) 2013-08-23

[21] **2,920,555**
[13] A1

[51] **Int.Cl. A24D 3/10 (2006.01) B01J 21/06 (2006.01) C08L 1/12 (2006.01) C08L 1/14 (2006.01)**
[25] EN
[54] **CATALYTICALLY DEGRADABLE PLASTIC AND USE OF SAME**
[54] **MATIERE PLASTIQUE DEGRADABLE PAR VOIE CATALYTIQUE ET SON UTILISATION**
[72] HOLTER, DIRK, DE
[72] KOPPE, WOLFGANG, DE
[71] SOLVAY ACETOW GMBH, DE
[85] 2016-02-05
[86] 2014-07-30 (PCT/EP2014/066401)
[87] (WO2015/022190)
[30] EP (13180137.5) 2013-08-12

[21] **2,920,556**
[13] A1

[51] **Int.Cl. A23D 7/005 (2006.01) A23D 7/01 (2006.01) A23D 9/007 (2006.01) A23D 9/013 (2006.01)**
[25] EN
[54] **EDIBLE FAT CONTINUOUS PRODUCT COMPRISING SUCROSE FATTY ACID ESTER AND PARTICULATE ANTI-SPATTERING AGENT**
[54] **PRODUIT CONTINU EN GRAISSE COMESTIBLE COMPRENANT UN ESTER DE SACCHAROSE D'ACIDE GRAS ET UN AGENT PARTICULAIRE ANTI-PROJECTION**
[72] BOT, ARJEN, NL
[72] HEMELAAR, MARIA JOHANNA A.T., NL
[72] XU, QINGGUO, US
[72] ZHU, SHIPING, GB
[71] UNILEVER PLC, GB
[85] 2016-02-05
[86] 2014-07-30 (PCT/EP2014/066412)
[87] (WO2015/036164)
[30] EP (13184491.2) 2013-09-16

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[21] **2,920,557**
[13] A1

[51] **Int.Cl. H01R 39/38 (2006.01)**
[25] EN
[54] **APPARATUS FOR TRANSMITTING AN ELECTRIC CURRENT TO A ROTATABLY MOUNTED ROTATION BODY**

[54] **DISPOSITIF POUR TRANSMETTRE UN COURANT ELECTRIQUE A UN CORPS DE REVOLUTION LOGE DE MANIERE A POUVOIR TOURNER**

[72] HARTMANN, ULRICH, DE
[72] RAKOWICZ, MARIAN, DE
[72] SCHILLER, CHRISTIAN, DE
[72] SCHWENGBER, ROBERT, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2016-02-05
[86] 2014-07-31 (PCT/EP2014/066452)
[87] (WO2015/018723)
[30] EP (13179607.0) 2013-08-07

[21] **2,920,558**
[13] A1

[51] **Int.Cl. B01J 37/04 (2006.01) B82Y 30/00 (2011.01) B01J 21/06 (2006.01) B01J 21/18 (2006.01) B01J 35/00 (2006.01) C08L 1/12 (2006.01) C09C 1/36 (2006.01)**

[25] EN
[54] **PROCESS FOR MANUFACTURING A PRODUCT CONTAINING A CATALYTICALLY ACTIVE TITANIUM COMPOUND**

[54] **PROCEDE DE FABRICATION D'UN PRODUIT CONTENANT UN COMPOSE DE TITANE CATALYTIQUEMENT ACTIF**

[72] HOLTER, DIRK, DE
[72] STEIN, ARMIN, DE
[71] SOLVAY ACETOW GMBH, DE
[85] 2016-02-05
[86] 2014-07-31 (PCT/EP2014/066529)
[87] (WO2015/022201)
[30] EP (13180138.3) 2013-08-12

[21] **2,920,559**
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01)**

[25] EN
[54] **SUBSTITUTED IMIDAZO[1,2-A]PYRAZINECARBOXAMIDES AND USE THEREOF**

[54] **IMIDAZO[1,2-A]PYRAZINECARBOXAMIDES SUBSTITUES ET LEUR UTILISATION**

[72] VAKALOPOULOS, ALEXANDROS, DE
[72] FOLLMANN, MARKUS, DE
[72] HARTUNG, INGO, DE
[72] BUCHGRABER, PHILIPP, DE
[72] JAUTELAT, ROLF, DE
[72] LINDNER, NIELS, DE
[72] WUNDER, FRANK, DE
[72] STASCH, JOHANNES-PETER, DE
[72] REDLICH, GORDEN, DE
[72] DIETZ, LISA, DE
[72] LI, VOLKHART MIN-JIAN, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2016-02-05
[86] 2014-08-05 (PCT/EP2014/066758)
[87] (WO2015/018808)
[30] EP (13179783.9) 2013-08-08
[30] EP (14166913.5) 2014-05-02

[21] **2,920,561**
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 37/06 (2006.01) E21B 43/16 (2006.01)**

[25] EN
[54] **STEAM GENERATION WITH CARBON DIOXIDE RECYCLE**

[54] **GENERATION DE VAPEUR A L'AIDE DU RECYCLAGE DE DIOXYDE DE CARBONE**

[72] MACADAM, SCOTT, CA
[72] SEABA, JAMES P., CA
[72] LARKIN, DAVID WILLIAM, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2016-02-05
[86] 2014-07-30 (PCT/US2014/048814)
[87] (WO2015/020850)
[30] US (61/862,309) 2013-08-05
[30] US (14/446,524) 2014-07-30

[21] **2,920,562**
[13] A1

[51] **Int.Cl. A01N 43/40 (2006.01) A01N 43/80 (2006.01) A01N 43/90 (2006.01) A01N 47/36 (2006.01) A01N 47/38 (2006.01) A01P 13/00 (2006.01)**

[25] EN
[54] **TERNARY HERBICIDE COMBINATIONS COMPRISING TWO SULFONLYUREAS**

[54] **COMBINAISONS D'HERBICIDES TERNAIRES CONTENANT DEUX SULFONYLUREES**

[72] ZOLLKAU, ACHIM, DE
[72] SCHREIBER, DOMINIQUE, FR
[71] BAYER CROSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2016-02-05
[86] 2014-08-05 (PCT/EP2014/066777)
[87] (WO2015/018812)
[30] EP (13179813.4) 2013-08-09

[21] **2,920,564**
[13] A1

[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/67 (2006.01) C12N 15/85 (2006.01)**

[25] EN
[54] **INCREASING THE EXPRESSION OF A TRANSGENE IN EUKARYOTIC CELLS BY REDUCING RNA INTERFERENCE**

[54] **AUGMENTATION DE L'EXPRESSION D'UN TRANSGENE DANS DES CELLULES EUKARYOTES PAR REDUCTION D'ARN INTERFERENCE**

[72] MIASNIKOV, ANDREI, US
[71] DANISCO US INC., US
[85] 2016-02-05
[86] 2014-07-31 (PCT/US2014/049159)
[87] (WO2015/020876)
[30] US (61/863,829) 2013-08-08

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[21] **2,920,565**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01)**

[25] EN

[54] **SUBSTITUTED PYRAZOLO[1,5-A]PYRIDINE-3-CARBOXAMIDES AND USE THEREOF**

[54] **PYRAZOLO[1,5-A]PYRIDINE-3-CARBOXAMIDES SUBSTITUES ET LEUR UTILISATION**

[72] VAKALOPOULOS, ALEXANDROS, DE

[72] FOLLMANN, MARKUS, DE

[72] BUCHGRABER, PHILIPP, DE

[72] GROMOV, ALEXEY, DE

[72] HARTUNG, INGO, DE

[72] LINDNER, NIELS, DE

[72] WUNDER, FRANK, DE

[72] STASCH, JOHANNES-PETER, DE

[72] MARQUARDT, TOBIAS, DE

[72] REDLICH, GORDEN, DE

[72] DIETZ, LISA, DE

[72] LI, VOLKHART MIN-JIAN, DE

[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE

[85] 2016-02-05

[86] 2014-08-05 (PCT/EP2014/066780)

[87] (WO2015/018814)

[30] EP (13179782.1) 2013-08-08

[30] EP (14166893.9) 2014-05-02

[21] **2,920,566**
[13] A1

[51] **Int.Cl. A61B 5/0444 (2006.01) A61B 5/0488 (2006.01)**

[25] EN

[54] **WIRELESS PREGNANCY MONITOR**

[54] **MOYEN SANS FIL DE SURVEILLANCE DE GROSSESSE**

[72] GASTER, RICHARD S., US

[71] GASTER, RICHARD S., US

[85] 2016-02-05

[86] 2014-07-31 (PCT/US2014/049280)

[87] (WO2015/020886)

[30] US (61/863,816) 2013-08-08

[21] **2,920,568**
[13] A1

[51] **Int.Cl. E21B 7/08 (2006.01) E21B 31/14 (2006.01)**

[25] EN

[54] **MULTILATERAL JUNCTION SYSTEM AND METHOD THEREOF**

[54] **SYSTEME DE JONCTION MULTILATERALE ET PROCEDE ASSOCIE**

[72] PENDLETON, BRYAN P., US

[71] BAKER HUGHES INCORPORATED, US

[85] 2016-02-05

[86] 2014-08-01 (PCT/US2014/049351)

[87] (WO2015/034608)

[30] US (14/021,078) 2013-09-09

[21] **2,920,571**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 21/31 (2013.01) G06F 17/00 (2006.01) H04L 9/32 (2006.01)**

[25] EN

[54] **EXTENSIBLE MEDIA FORMAT SYSTEM AND METHODS OF USE**

[54] **SYSTEME ET PROCEDES D'UTILISATION D'UN FORMAT MULTIMEDIA EXTENSIBLE**

[72] GILBERT, VINCENT LOGAN, US

[71] RISOFITDEV, INC., US

[85] 2016-02-05

[86] 2014-08-01 (PCT/US2014/049477)

[87] (WO2015/020910)

[30] US (61/862,290) 2013-08-05

[21] **2,920,574**
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) C12N 15/85 (2006.01) C12P 21/02 (2006.01)**

[25] EN

[54] **EXPRESSION CONSTRUCTS AND METHODS FOR EXPRESSING POLYPEPTIDES IN EUKARYOTIC CELLS**

[54] **CONSTRUCTIONS D'EXPRESSION ET PROCEDES D'EXPRESSION DE POLYPEPTIDES CHEZ DES CELLULES EUCARYOTES**

[72] AEBISCHER-GUMY, CHRISTEL, CH

[72] BERTSCHINGER, MARTIN, CH

[72] MORETTI, PIERRE, CH

[71] GLENMARK PHARMACEUTICALS S.A., CH

[85] 2016-02-05

[86] 2014-08-05 (PCT/EP2014/066826)

[87] (WO2015/018832)

[30] EP (13179375.4) 2013-08-06

[21] **2,920,576**
[13] A1

[51] **Int.Cl. A61B 17/70 (2006.01) A61B 17/16 (2006.01)**

[25] EN

[54] **VERTEBRAL ENDPLATE APPARATUS AND METHOD**

[54] **PLAQUE TERMINALE VERTEBRALE, APPAREIL ET PROCEDE**

[72] BLUMENTHAL, SCOTT L., US

[72] FERRARA, LISA, US

[71] BLUMENTHAL, SCOTT L., US

[85] 2016-02-05

[86] 2014-08-04 (PCT/US2014/049595)

[87] (WO2015/020956)

[30] US (61/862,149) 2013-08-05

[21] **2,920,580**
[13] A1

[51] **Int.Cl. B23C 3/35 (2006.01) B23P 15/00 (2006.01) B23Q 3/00 (2006.01) E05B 19/00 (2006.01) G06K 9/00 (2006.01) G07F 11/70 (2006.01)**

[25] EN

[54] **FABRICATION SYSTEM FOR KEY MAKING MACHINE**

[54] **SYSTEME DE FABRICATION POUR MACHINE DE CREATION DE CLES**

[72] GERLINGS, PHILLIP, US

[71] THE HILLMAN GROUP, INC., US

[85] 2016-02-05

[86] 2014-08-05 (PCT/US2014/049740)

[87] (WO2015/023472)

[30] US (61/866,603) 2013-08-16

[30] US (61/904,810) 2013-11-15

[30] US (14/263,551) 2014-04-28

[21] **2,920,584**
[13] A1

[51] **Int.Cl. G01N 27/327 (2006.01) C03C 17/30 (2006.01)**

[25] EN

[54] **MICROCHIP STRUCTURE AND TREATMENTS FOR ELECTROCHEMICAL DETECTION**

[54] **STRUCTURE DE PUCE ET TRAITEMENTS POUR DETECTION ELECTROCHIMIQUE**

[72] JACK, GRAHAM D., CA

[72] HAYMAN, RYAN B., CA

[71] XAGENIC INC., CA

[85] 2016-02-05

[86] 2014-08-07 (PCT/IB2014/002448)

[87] (WO2015/019191)

[30] US (61/863,398) 2013-08-07

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[21] **2,920,586**
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**

[25] EN

[54] **BAG3 RECEPTOR BINDING MOLECULES FOR USE AS A MEDICAMENT**

[54] **MOLECULES DE LIAISON AU RECEPTEUR DE BAG3 POUR UNE UTILISATION EN TANT QUE MEDICAMENT**

[72] TURCO, MARIA CATERINA, IT

[71] BIOUNIVERSA S.R.L., IT

[85] 2016-02-05

[86] 2014-07-23 (PCT/IB2014/063352)

[87] (WO2015/019230)

[30] IT (MI2013A001351) 2013-08-07

[21] **2,920,587**
[13] A1

[51] **Int.Cl. C10M 103/04 (2006.01) C10M 103/06 (2006.01) C10M 171/06 (2006.01)**

[25] EN

[54] **LUBRICANT WITH SPHERICAL COPPER AND BISMUTH POWDERS**

[54] **LUBRIFIANT CONTENANT DES POUDRES DE CUIVRE ET DE BISMUTH SPHERIQUES**

[72] WILEY, ROBERT EMERSON, US

[72] DESERO, THOMAS WILLIAM, US

[71] SR LUBRICANT SOLUTIONS, LLC, US

[85] 2016-02-05

[86] 2014-08-05 (PCT/US2014/049799)

[87] (WO2015/021052)

[30] US (61/958,709) 2013-08-05

[21] **2,920,588**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTION OF PYRETHROID RESISTANCE IN CRUSTACEANS AND OLIGONUCLEOTIDE SEQUENCES USEFUL IN DETECTION OF PYRETHROID RESISTANCE.**

[54] **METHODE POUR LA DETECTION DE LA RESISTANCE AUX PYRETHROIDES CHEZ LES CRUSTACES ET SEQUENCES OLIGONUCLEOTIDIQUES UTILES DANS LA DETECTION DE RESISTANCE AUX PYRETHROIDES.**

[72] NILSEN, FRANK, NO

[72] ESPEDAL, PER GUNNAR, NO

[71] BERGEN
TEKNOLOGIOVERFORING AS, NO

[71] PATOGEN ANALYSE AS, NO

[85] 2016-02-05

[86] 2014-08-06 (PCT/EP2014/066895)

[87] (WO2015/018861)

[30] NO (20131075) 2013-08-06

[21] **2,920,590**
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2006.01) A01N 63/00 (2006.01) C12N 9/02 (2006.01)**

[25] EN

[54] **PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES**

[54] **PLANTES PRESENTANT UNE TOLERANCE ACCRUE A DES HERBICIDES**

[72] APONTE, RAPHAEL, DE

[72] TRESCH, STEFAN, DE

[72] WITSCHER, MATTHIAS, DE

[72] LERCHL, JENS, DE

[72] MASSA, DARIO, DE

[72] SEISER, TOBIAS, DE

[72] MIETZNER, THOMAS, DE

[72] PAULIK, JILL MARIE, US

[72] BROMMER, CHAD, US

[71] BASF AGRO B.V., NL

[85] 2016-02-05

[86] 2014-08-12 (PCT/IB2014/063873)

[87] (WO2015/022636)

[30] US (61/864,672) 2013-08-12

[30] US (61/864,671) 2013-08-12

[21] **2,920,591**
[13] A1

[51] **Int.Cl. C12N 5/14 (2006.01) A01H 1/00 (2006.01) A01H 5/00 (2006.01) C07K 14/415 (2006.01) C12N 15/29 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **PLANTS HAVING INCREASED TOLERANCE TO HERBICIDES**

[54] **PLANTES AYANT UNE TOLERANCE ACCRUE A DES HERBICIDES**

[72] APONTE, RAPHAEL, DE

[72] TRESCH, STEFAN, DE

[72] WITSCHER, MATTHIAS, DE

[72] LERCHL, JENS, DE

[72] MASSA, DARIO, DE

[72] SEISER, TOBIAS, DE

[72] MIETZNER, THOMAS, DE

[72] PAULIK, JILL MARIE, US

[72] BROMMER, CHAD, US

[71] BASF AGRO B.V., NL

[85] 2016-02-05

[86] 2014-08-12 (PCT/IB2014/063877)

[87] (WO2015/022640)

[30] US (61/864,671) 2013-08-12

[30] US (61/864,672) 2013-08-12

[30] US (61/866,067) 2013-08-15

[21] **2,920,592**
[13] A1

[51] **Int.Cl. F16B 17/00 (2006.01)**

[25] EN

[54] **STRUCTURAL ASSEMBLY AND METHOD OF ASSEMBLY THEREOF**

[54] **ENSEMBLE STRUCTURAL ET SON PROCEDE D'ASSEMBLAGE**

[72] GAFNI, IZHAR, IL

[71] I.G. CARDBOARD TECHNOLOGIES LTD., IL

[85] 2016-02-05

[86] 2014-07-02 (PCT/IL2014/050595)

[87] (WO2015/029010)

[30] US (61/871,475) 2013-08-29

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[21] **2,920,593**
[13] A1

[51] **Int.Cl. E05D 7/12 (2006.01) E05D 5/00 (2006.01)**
[25] EN
[54] **SPRING ACTUATED ENGAGEMENT DEVICE**
[54] **DISPOSITIF DE MISE EN PRISE ACTIONNE PAR RESSORT**
[72] SELES, MOSHE, IL
[71] OPEN ART LTD, IL
[85] 2016-02-05
[86] 2014-08-06 (PCT/IL2014/050710)
[87] (WO2015/019353)
[30] IL (227894) 2013-08-08

[21] **2,920,594**
[13] A1

[51] **Int.Cl. H03F 3/21 (2006.01) H03F 3/189 (2006.01) H03F 3/60 (2006.01) H03F 3/68 (2006.01)**
[25] EN
[54] **HIGH-FREQUENCY POWER AMPLIFIER**
[54] **AMPLIFICATEUR D'ENERGIE A HAUTE FREQUENCE**
[72] IMAI, SHOHEI, JP
[72] OTSUKA, HIROSHI, JP
[72] YAMANAKA, KOJI, JP
[72] MAEHARA, HIROAKI, JP
[72] KOYANAGI, MOTOYOSHI, JP
[72] OTA, AKIRA, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2016-02-05
[86] 2014-04-08 (PCT/JP2014/060191)
[87] (WO2015/029486)
[30] JP (2013-177981) 2013-08-29

[21] **2,920,595**
[13] A1

[51] **Int.Cl. G06F 19/14 (2011.01) G06F 19/18 (2011.01)**
[25] EN
[54] **METHOD OF DECONVOLUTION OF MIXED MOLECULAR INFORMATION IN A COMPLEX SAMPLE TO IDENTIFY ORGANISM(S)**
[54] **PROCEDE DE DECONVOLUTION D'INFORMATIONS MOLECULAIRES MIXTES DANS UN ECHANTILLON COMPLEXE AFIN D'IDENTIFIER UN OU PLUSIEURS ORGANISMES**
[72] PIBLE, OLIVIER, FR
[72] ARMENGAUD, JEAN, FR
[72] ALLAIN, FRANCOIS, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2016-02-05
[86] 2014-07-30 (PCT/IB2014/063560)
[87] (WO2015/019245)
[30] EP (13306125.9) 2013-08-06

[21] **2,920,597**
[13] A1

[51] **Int.Cl. G10D 3/00 (2006.01) G10D 1/08 (2006.01) G10D 3/12 (2006.01)**
[25] EN
[54] **DUAL PLECTRUM SYSTEMS FOR STRINGED INSTRUMENTS**
[54] **SYSTEMES DE MEDIATORS DOUBLES POUR INSTRUMENTS A CORDES**
[72] TAYLOR, ROBERT A., US
[71] TAYLOR, ROBERT A., US
[85] 2016-02-05
[86] 2013-08-05 (PCT/US2013/053570)
[87] (WO2014/025666)
[30] US (61/679,931) 2012-08-06
[30] US (13/838,984) 2013-03-15

[21] **2,920,598**
[13] A1

[51] **Int.Cl. F25B 39/00 (2006.01) F25B 30/00 (2006.01) F25B 39/02 (2006.01) F25B 39/04 (2006.01)**
[25] EN
[54] **THERMODYNAMIC DEVICE AND METHOD OF PRODUCING A THERMODYNAMIC DEVICE**
[54] **DISPOSITIF THERMODYNAMIQUE ET PROCEDE DE PRODUCTION D'UN DISPOSITIF THERMODYNAMIQUE**
[72] SEDLAK, HOLGER, DE
[71] EFFICIENT ENERGY GMBH, DE
[85] 2016-02-01
[86] 2014-08-19 (PCT/EP2014/067627)
[87] (WO2015/024924)
[30] DE (10 2013 216 457.2) 2013-08-20

[21] **2,920,599**
[13] A1

[51] **Int.Cl. E04G 5/02 (2006.01) E04G 7/22 (2006.01)**
[25] EN
[54] **ACCESS STRUCTURE INTEGRATION ASSEMBLY AND INTEGRATED ACCESS SYSTEMS AND METHODS OF USING THE SAME**
[54] **ENSEMBLE D'INTEGRATION DE STRUCTURE D'ACCES, ET SYSTEMES ET PROCEDES D'ACCES INTEGRES L'UTILISANT**
[72] GRUMBERG, MATHIEU, US
[72] SCRAFFORD, ROY, US
[72] MEADE, FREDERICK W., US
[71] SAFWAY SERVICES, LLC, US
[85] 2016-02-05
[86] 2013-08-08 (PCT/US2013/054170)
[87] (WO2015/020662)

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[21] **2,920,600**
[13] A1

[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 5/071 (2010.01)**
[25] EN
[54] **METHOD FOR PRODUCING ANTERIOR EYE SEGMENT TISSUE**
[54] **PROCEDE POUR LA PRODUCTION DE TISSU DE SEGMENT ANTERIEUR DE L'ŒIL**
[72] SASAI, YOSHIKI (DECEASED), JP
[72] OZONE, CHIKAFUMI, JP
[72] MARUYAMA, YUKO, JP
[71] RIKEN, JP
[85] 2016-02-05
[86] 2014-08-06 (PCT/JP2014/070748)
[87] (WO2015/020091)
[30] JP (2013-163586) 2013-08-06

[21] **2,920,601**
[13] A1

[51] **Int.Cl. A61K 31/05 (2006.01) A61K 31/353 (2006.01) A61K 36/00 (2006.01) A61K 36/18 (2006.01) A61K 36/48 (2006.01) A61K 36/73 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) A61P 9/12 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) A61P 39/06 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **AGENT FOR PROMOTING IN VIVO ABSORPTION OF HYDROXYTYROSOL AND DERIVATIVES THEREOF AND USE OF SAME**
[54] **AGENT POUR FAVORISER L'ABSORPTION IN VIVO D'HYDROXYTYROSOL ET DE SES DERIVES, ET SON UTILISATION**
[72] UENO, TOSHIYA, JP
[72] KOMINAMI, MASARU, JP
[72] KASAJIMA, NAOKI, JP
[71] SUNTORY HOLDINGS LIMITED, JP
[85] 2016-02-05
[86] 2014-08-07 (PCT/JP2014/070839)
[87] (WO2015/020138)
[30] JP (2013-166606) 2013-08-09
[30] JP (2014-087023) 2014-04-21

[21] **2,920,602**
[13] A1

[51] **Int.Cl. E21B 49/10 (2006.01) E21B 47/008 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REAL TIME MEASUREMENT OF GAS CONTENT IN DRILLING FLUIDS**
[54] **SYSTEMES ET PROCEDES DE MESURE EN TEMPS REEL D'UN CONTENU GAZEUX DANS DES FLUIDES DE FORAGE**
[72] MITCHELL, IAN DAVID CAMPBELL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-05
[86] 2013-09-25 (PCT/US2013/061668)
[87] (WO2015/047247)

[21] **2,920,603**
[13] A1

[51] **Int.Cl. G01V 1/28 (2006.01)**
[25] EN
[54] **CREATING VIRTUAL PRODUCTION LOGGING TOOL PROFILES FOR IMPROVED HISTORY MATCHING**
[54] **CREATION DE PROFILS D'OUTIL DE DIAGRAPHIE DE PRODUCTION VIRTUELLE POUR UNE CORRESPONDANCE AMELIOREE D'HISTORIQUE**
[72] MAUCEC, MARKO, US
[72] CARVAJAL, GUSTAVO ADOLFO, US
[72] SINGH, AJAY PRATAP, US
[72] MIRZADEH, SEYED M., US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2016-02-05
[86] 2013-09-27 (PCT/US2013/062166)
[87] (WO2015/034539)
[30] US (61/875,591) 2013-09-09

[21] **2,920,605**
[13] A1

[51] **Int.Cl. C01B 31/02 (2006.01)**
[25] EN
[54] **CARBON MATERIAL PRODUCTION METHOD AND CARBON MATERIAL**
[54] **PROCEDE DE PRODUCTION DE MATIERE CARBONEE ET MATIERE CARBONEE**
[72] HAMAGUCHI, MAKI, JP
[72] WADA, SHOHEI, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[85] 2016-02-05
[86] 2014-09-09 (PCT/JP2014/073806)
[87] (WO2015/037583)
[30] JP (2013-188208) 2013-09-11

[21] **2,920,606**
[13] A1

[51] **Int.Cl. E21B 7/08 (2006.01) F16B 19/00 (2006.01)**
[25] EN
[54] **DUAL-CONFIGURATION SHEAR BOLT**
[54] **BOULON DE CISAILLEMENT A DOUBLE CONFIGURATION**
[72] DONOVAN, STACEY BLAINE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-05
[86] 2013-10-09 (PCT/US2013/063999)
[87] (WO2015/053760)

[21] **2,920,607**
[13] A1

[51] **Int.Cl. H04B 10/25 (2013.01) H04B 10/07 (2013.01)**
[25] EN
[54] **DISTRIBUTED SENSING IN AN OPTICAL FIBER NETWORK**
[54] **DETECTION DISTRIBUEE DANS UN RESEAU A FIBRE OPTIQUE**
[72] BARFOOT, DAVID ANDREW, US
[72] LEBLANC, MICHEL JOSEPH, US
[72] SKINNER, NEAL GREGORY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-05
[86] 2013-10-17 (PCT/US2013/065355)
[87] (WO2015/057224)

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[21] **2,920,608**
[13] A1

[51] **Int.Cl. G06F 19/10 (2011.01)**
[25] EN
[54] **PARADIGM DRUG RESPONSE NETWORKS**
[54] **RESEAUX DE REACTIONS A UN MEDICAMENT PARADIGMATIQUES**
[72] BENZ, STEPHEN CHARLES, US
[72] SZETO, CHRISTOPHER, US
[71] FIVE3 GENOMICS, LLC, US
[85] 2016-02-05
[86] 2014-05-28 (PCT/US2014/039832)
[87] (WO2014/193982)
[30] US (61/828,145) 2013-05-28
[30] US (61/919,289) 2013-12-20

[21] **2,920,609**
[13] A1

[51] **Int.Cl. A01G 13/00 (2006.01) E02D 17/20 (2006.01) E02D 31/00 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING WEEDS AND WATER USING A BAG FILLED WITH LANDSCAPING MATERIAL**
[54] **PROCEDES DE DESHERBAGE ET D'AMENAGEMENT HYDRAULIQUE METTANT EN ŒUVRE UN SAC REMPLI DE MATERIAU D'AMENAGEMENT DU PAYSAGE**
[72] HAWKINSON, ROBERT NEAL ALFRED, US
[72] HAWKINSON, JAMES EARL, US
[71] R & J EAST, INC., US
[85] 2016-02-05
[86] 2014-07-22 (PCT/US2014/047556)
[87] (WO2015/020787)
[30] US (13/959,204) 2013-08-05
[30] US (14/157,650) 2014-01-17

[21] **2,920,613**
[13] A1

[51] **Int.Cl. B01D 24/22 (2006.01)**
[25] EN
[54] **DRAINAGE DEVICE AND METHODS FOR CONSTRUCTING AND USE**
[54] **DISPOSITIF DE DRAINAGE ET PROCEDES DE CONSTRUCTION ET D'UTILISATION**
[72] SIMON, TOM, US
[72] SHERRILL, FRANK, US
[72] LOCKE, BLAKE, US
[71] ABT, INC., US
[85] 2016-02-05
[86] 2014-07-25 (PCT/US2014/048302)
[87] (WO2015/013682)
[30] US (61/858,546) 2013-07-25

[21] **2,920,615**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 17/00 (2006.01)**
[25] EN
[54] **MIGRATING DATA FOR WEB CONTENT MANAGEMENT SYSTEMS**
[54] **MIGRATION DE DONNEES POUR DES SYSTEMES DE GESTION DE CONTENU WEB**
[72] BURNE, CHRISTIAN, US
[72] NITTALA, PRASANTH, US
[71] OSHYN, INC., US
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050235)
[87] (WO2015/021331)
[30] US (61/863,886) 2013-08-08

[21] **2,920,618**
[13] A1

[51] **Int.Cl. G01J 3/42 (2006.01) G01J 3/10 (2006.01) G01N 21/31 (2006.01) H01L 31/0248 (2006.01) H01L 31/167 (2006.01)**
[25] EN
[54] **OPTOPAIRS WITH TEMPERATURE COMPENSABLE ELECTROLUMINESCENCE FOR USE IN OPTICAL GAS ABSORPTION ANALYZERS**
[54] **OPTOPAIRE A ELECTROLUMINESCENCE COMPENSABLE EN TEMPERATURE DESTINEE A ETRE UTILISEE DANS UN ANALYSEUR D'ABSORPTION DE GAZ OPTIQUE**
[72] TKACHUK, MICHAEL, US
[72] SUCHALKIN, SERGEY, US
[71] BAH HOLDINGS LLC, US
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050239)
[87] (WO2015/021335)
[30] US (61/862,992) 2013-08-07
[30] US (14/268,360) 2014-05-02

[21] **2,920,619**
[13] A1

[51] **Int.Cl. H03M 1/66 (2006.01)**
[25] EN
[54] **PRECISION BIPOLAR CURRENT-MODE-DIGITAL-TO-ANALOG CONVERTER**
[54] **CONVERTISSEUR NUMERIQUE-ANALOGIQUE DE MODE DE COURANT BIPOLAIRE DE PRECISION**
[72] CHAN, WEN, CA
[71] XAGENIC INC., CA
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050241)
[87] (WO2015/021337)
[30] US (61/863,403) 2013-08-07

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[21] **2,920,621**
[13] A1

[51] **Int.Cl. A61B 5/0424 (2006.01)**
[25] EN
[54] **POTENTIOSTAT REFERENCE ELECTRODE INTERFACE**
[54] **INTERFACE D'ELECTRODE DE REFERENCE DE POTENTIOSTAT**
[72] CHAN, WEN, CA
[71] XAGENIC INC., CA
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050243)
[87] (WO2015/021339)
[30] US (61/863,400) 2013-08-07

[21] **2,920,624**
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING VENTILATION**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE VENTILATION**
[72] KULSTAD, ERIK, US
[71] ADVANCED COOLING THERAPY, LLC, US
[85] 2016-02-05
[86] 2014-08-08 (PCT/US2014/050278)
[87] (WO2015/021350)
[30] US (61/864,129) 2013-08-09

[21] **2,920,625**
[13] A1

[51] **Int.Cl. B63H 20/08 (2006.01)**
[25] EN
[54] **A HULL MOUNTED, STEERABLE MARINE DRIVE WITH TRIM ACTUATION**
[54] **SYSTEME D'ENTRAINEMENT MARIN ORIENTABLE DE COQUE AVEC ACTIONNEMENT DE L'ASSIETTE**
[72] NUTT, ROBERT E., US
[72] CRUTCHFIELD, SCOTT, US
[72] BEACH, ROBERT SCOTT, US
[72] YODER, DOUGLAS J., US
[72] BICKELHAUPT, DOUGLAS G., US
[72] PHILLIPS, GEORGE EDWARD, US
[72] GRUENWALD, DAVID J., US
[72] DANNER, BRYAN L., US
[71] BLUE SKY MARINE, LLC, US
[85] 2016-02-05
[86] 2014-08-08 (PCT/US2014/050356)
[87] (WO2015/023534)
[30] US (61/866,296) 2013-08-15

[21] **2,920,626**
[13] A1

[51] **Int.Cl. C10M 161/00 (2006.01)**
[25] EN
[54] **METHOD OF LUBRICATING AN END-PIVOT FINGER FOLLOWER VALVE TRAIN LASH ADJUSTER**
[54] **PROCEDE DE LUBRIFICATION D'UN REGLEUR HYDRAULIQUE DE JEU DE DISPOSITIF DE COMMANDE DE SOUPAPES A LINGUETS EN PIVOT A L'EXTREMITE**
[72] JONES, JOANNE L., GB
[72] SUTTON, MICHAEL R., GB
[72] DAVIES, MARK C., GB
[72] JAYNE, DOUGLAS T., US
[72] O'RYAN, WILLIAM H., US
[71] THE LUBRIZOL CORPORATION, US
[85] 2016-02-05
[86] 2014-08-06 (PCT/US2014/049892)
[87] (WO2015/021119)
[30] US (61/863,616) 2013-08-08

[21] **2,920,629**
[13] A1

[51] **Int.Cl. G06K 9/00 (2006.01) B23C 3/35 (2006.01) B23Q 17/20 (2006.01) B23Q 17/24 (2006.01) G06K 9/20 (2006.01)**
[25] EN
[54] **IDENTIFICATION MODULE FOR KEY MAKING MACHINE**
[54] **MODULE D'IDENTIFICATION POUR MACHINE DE FABRICATION DE CLES**
[72] GRICE, BYRON KEITH, US
[72] GERLINGS, PHILLIP, US
[72] CAMPBELL, JOHN CLAYTON, US
[72] SCHMIDT, MICHAEL JAMES, US
[71] THE HILLMAN GROUP, INC., US
[85] 2016-02-05
[86] 2014-08-06 (PCT/US2014/049901)
[87] (WO2015/023484)
[30] US (61/866,603) 2013-08-16
[30] US (61/904,810) 2013-11-15
[30] US (14/263,595) 2014-04-28

[21] **2,920,631**
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/20 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT OF HPV RELATED DISEASES**
[54] **PROCEDES DE TRAITEMENT DE MALADIES ASSOCIEES A HPV**
[72] WU, TZYU-CHOUU, US
[72] HUNG, CHIEN-FU, US
[72] RODEN, RICHARD, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2016-02-05
[86] 2014-08-06 (PCT/US2014/049942)
[87] (WO2015/021155)
[30] US (61/862,768) 2013-08-06

[21] **2,920,632**
[13] A1

[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **LUER CONNECTION ADAPTERS FOR SYRINGES**
[54] **ADAPTATEURS DE RACCORD LUER POUR SERINGUES**
[72] GUPTA, JYOTI, US
[72] MCKEE, BRANDON J., US
[71] UNITRACT SYRINGE PTY LTD, AU
[85] 2016-02-05
[86] 2014-08-06 (PCT/US2014/049962)
[87] (WO2015/021169)
[30] US (61/863,098) 2013-08-07

[21] **2,920,633**
[13] A1

[51] **Int.Cl. C23C 18/54 (2006.01) C23C 18/18 (2006.01) H05K 3/10 (2006.01)**
[25] EN
[54] **FORMING A CONDUCTIVE IMAGE USING HIGH SPEED ELECTROLESS PLATIN**
[54] **FORMATION D'UNE IMAGE CONDUCTRICE A L'AIDE D'UN DEPOT AUTOCATALYTIQUE A VITESSE ELEVEE**
[72] WISMANN, WILLIAM, US
[71] EARTHONE CIRCUIT TECHNOLOGIES CORPORATION, US
[85] 2016-02-05
[86] 2014-08-06 (PCT/US2014/050011)
[87] (WO2015/021202)
[30] US (61/862,924) 2013-08-06

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[21] **2,920,634**
[13] A1

[51] **Int.Cl. E05B 19/04 (2006.01)**
[25] EN
[54] **TWO-PIECE KEY ASSEMBLY**
[54] **ENSEMBLE CLE EN DEUX PARTIES**

[72] GERLINGS, PHILLIP, US
[72] SCHMIDT, MICHAEL JAMES, US
[72] WILL, GARY EDWARD, US
[72] SOLACE, BRYAN K., US
[71] THE HILLMAN GROUP, INC., US
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050047)
[87] (WO2015/023498)
[30] US (61/866,603) 2013-08-16
[30] US (61/904,810) 2013-11-15
[30] US (14/252,412) 2014-04-14

[21] **2,920,635**
[13] A1

[51] **Int.Cl. B01D 46/24 (2006.01) B01D 46/46 (2006.01)**
[25] EN
[54] **COMPACT FILTER ASSEMBLY FOR REMOVING OIL MIST AND ODOR FROM AN AIRSTREAM**
[54] **ENSEMBLE DE FILTRE COMPACT POUR ELIMINER UN BROUILLARD ET UNE ODEUR D'HUILE D'UN FLUX D'AIR**

[72] BISWAS, PRANTIK GUHA, US
[72] BUCZYNSKI, PETER J., US
[72] KLOBUSNIK, KENNETH J., US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2015-01-11
[86] 2014-07-07 (PCT/US2014/045546)
[87] (WO2015/030935)
[30] US (14/014,874) 2013-08-30

[21] **2,920,649**
[13] A1

[51] **Int.Cl. C23C 22/34 (2006.01) C09D 5/00 (2006.01) C23C 22/36 (2006.01)**
[25] EN
[54] **METAL PRETREATMENT COMPOSITIONS COMPRISING SILANES AND ORGANOPHOSPHORUS ACIDS**
[54] **COMPOSITIONS DE PRETRAITEMENT DE METAUX COMPRENANT DES SILANES ET DES ACIDES ORGANOPHOSPHOREUX**

[72] WOLPERS, MICHAEL, DE
[72] STODT, JURGEN, DE
[72] SUNDERMEIER, UTA, DE
[72] ZHANG, QI, US
[71] HENKEL AG & CO. KGAA, DE
[85] 2016-02-05
[86] 2014-08-06 (PCT/EP2014/066938)
[87] (WO2015/018875)
[30] DE (10 2013 215 441.0) 2013-08-06

[21] **2,920,652**
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS AND KITS FOR PREDICTING THE RISK OF HAVING A CARDIOVASCULAR DISEASE OR EVENT**
[54] **METHODES ET TROUSSES PERMETTANT DE PREDIRE LE RISQUE DE SURVENUE D'UN EVENEMENT OU D'UNE MALADIE CARDIOVASCULAIRE**

[72] DERIVE, MARC, FR
[72] GIBOT, SEBASTIEN, FR
[72] AIT-OUFELLA, HAFID, FR
[72] BOUFENZER, AMIR, FR
[72] SIMON, TABASOMME, FR
[72] DANCHIN, NICOLAS, FR
[71] INOTREM, FR
[71] APHP (ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS), FR
[71] INSERM (INSTITUT DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE LORRAINE, FR
[85] 2016-02-05
[86] 2014-08-08 (PCT/EP2014/067120)
[87] (WO2015/018936)
[30] US (61/863,987) 2013-08-09
[30] EP (14153519.5) 2014-01-31

[21] **2,920,653**
[13] A1

[51] **Int.Cl. A61L 2/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE TREATMENT OF BLADDER CANCER**
[54] **SYSTEMES ET PROCEDES POUR LE TRAITEMENT DU CANCER DE LA VESSIE**

[72] KIRSCH, WOLFF M., US
[72] HUDSON, SAMUEL M., US
[72] CROFTON, ANDREW, US
[71] LOMA LINDA UNIVERSITY MEDICAL CENTER, US
[71] LOMA LINDA UNIVERSITY, US
[71] NORTH CAROLINA STATE UNIVERSITY, US
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050188)
[87] (WO2015/021303)
[30] US (61/863,870) 2013-08-08
[30] US (61/972,170) 2014-03-28

[21] **2,920,655**
[13] A1

[51] **Int.Cl. H04Q 1/02 (2006.01)**
[25] EN
[54] **SHROUD ASSEMBLY FOR COMMUNICATION SITE**
[54] **ENSEMBLE CARENAGE POUR SITE DE COMMUNICATIONS**

[72] HANSEN, SKYLE D., SR., US
[72] HANSEN, SKYLE D., JR., US
[71] COMMUNICATION STRUCTURES AND SOLUTIONS INC., US
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050225)
[87] (WO2015/021325)
[30] US (61/863,363) 2013-08-07

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[21] **2,920,657**
[13] A1

[51] **Int.Cl. H04W 56/00 (2009.01) H04W 76/02 (2009.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR INITIAL SYNCHRONIZATION AND COLLISION AVOIDANCE IN DEVICE TO DEVICE COMMUNICATIONS WITHOUT NETWORK COVERAGE**

[54] **PROCEDE ET SYSTEME DE SYNCHRONISATION INITIALE ET D'EVITEMENT DES COLLISIONS DANS DES COMMUNICATIONS DE DISPOSITIF A DISPOSITIF SANS COUVERTURE DE RESEAU**

[72] NGUYEN, NAM, VN
[72] BLANKENSHIP, YUFEI WU, US
[72] DHAKAL, SAGAR, US
[71] BLACKBERRY LIMITED, CA
[85] 2016-02-05
[86] 2014-08-08 (PCT/US2014/050391)
[87] (WO2015/021410)
[30] US (13/962,708) 2013-08-08

[21] **2,920,660**
[13] A1

[51] **Int.Cl. H04L 1/16 (2006.01) H04L 1/18 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PROTOCOL LAYER ENHANCEMENTS IN DATA OFFLOAD OVER SMALL CELLS**

[54] **PROCEDE ET SYSTEME DESTINES A DES AMELIORATIONS DE COUCHE DE PROTOCOLE DANS LE DECHARGEMENT DE DONNEES SUR DE PETITES CELLULES**

[72] GAO, SHIWEI, CA
[72] BLANKENSHIP, YUFEI WU, US
[72] CAI, ZHIJUN, US
[71] BLACKBERRY LIMITED, CA
[85] 2016-02-05
[86] 2014-08-08 (PCT/US2014/050396)
[87] (WO2015/021412)
[30] US (13/963,676) 2013-08-09

[21] **2,920,661**
[13] A1

[51] **Int.Cl. G06Q 20/32 (2012.01) G06Q 20/36 (2012.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR PROVISIONING MOBILE DEVICES WITH PAYMENT CREDENTIALS**

[54] **PROCEDES ET SYSTEMES DE FOURNITURE DE JUSTIFICATIFS DE PAIEMENT A DES DISPOSITIFS MOBILES**

[72] WONG, ERICK, US
[72] PIRZADEH, KIUSHAN, US
[72] MAKHOTIN, OLEG, US
[72] POWELL, GLENN, US
[72] KARPENKO, IGOR, US
[72] SHEETS, JOHN, US
[72] LIU, FREDERICK, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2016-02-05
[86] 2014-08-08 (PCT/US2014/050407)
[87] (WO2015/021420)
[30] US (61/863,878) 2013-08-08
[30] US (61/866,514) 2013-08-15
[30] US (61/868,487) 2013-08-21
[30] US (61/870,153) 2013-08-26
[30] US (61/898,428) 2013-10-31
[30] US (61/978,172) 2014-04-10

[21] **2,920,662**
[13] A1

[51] **Int.Cl. A61B 18/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUSES FOR SKIN TREATMENT USING NON-THERMAL TISSUE ABLATION**

[54] **PROCEDES ET APPAREILS POUR LE TRAITEMENT DE LA PEAU A L'AIDE D'UNE ABLATION DE TISSU NON THERMIQUE**

[72] GINGGEN, ALEC, US
[72] LEVINSON, DOUGLAS, US
[72] STONE, DAVID, US
[71] CYTRELLIS BIOSYSTEMS, INC., US
[85] 2016-02-05
[86] 2014-08-08 (PCT/US2014/050426)
[87] (WO2015/021434)
[30] US (61/864,281) 2013-08-09

[21] **2,920,663**
[13] A1

[51] **Int.Cl. C08K 5/14 (2006.01) C08J 3/24 (2006.01)**

[25] EN

[54] **PROCESS FOR CROSSLINKING AN ETHYLENE-BASED POLYMER**

[54] **PROCEDE DE RETICULATION D'UN POLYMER A BASE D'ETHYLENE**

[72] ITOU, TADANAGA, JP
[72] TATEISHI, KOICHI, JP
[71] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
[85] 2016-02-05
[86] 2014-09-08 (PCT/EP2014/069023)
[87] (WO2015/036341)
[30] EP (13183928.4) 2013-09-11

[21] **2,920,664**
[13] A1

[51] **Int.Cl. G01K 11/12 (2006.01) G01K 11/18 (2006.01)**

[25] EN

[54] **LAUNDRY PROCESS TEMPERATURE INDICATORS / MARKERS AND FABRICS INCORPORATING SAME**

[54] **INDICATEURS / MARQUEURS DE TEMPERATURE DE TRAITEMENT DE LINGE ET TISSU LES INCORPORANT**

[72] SAVARIA, NORM, US
[72] HARRIS, BILLY, US
[71] WESTPOINT HOME LLC, US
[85] 2016-02-05
[86] 2014-08-11 (PCT/US2014/050530)
[87] (WO2015/021464)
[30] US (61/864,399) 2013-08-09
[30] US (61/864,395) 2013-08-09

[21] **2,920,665**
[13] A1

[51] **Int.Cl. A23C 19/00 (2006.01)**

[25] EN

[54] **REDUCED SODIUM CHEESES AND METHODS FOR MAKING SAME**

[54] **FROMAGES A TENEUR REDUITE EN SODIUM ET LEURS PROCEDES DE FABRICATION**

[72] UPRETI, PRAVEEN, US
[71] NESTEC S.A., CH
[85] 2016-02-05
[86] 2014-09-10 (PCT/EP2014/069311)
[87] (WO2015/043959)
[30] US (61/882,142) 2013-09-25

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[21] **2,920,666**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHOD FOR TREATING COMPLEMENT-ASSOCIATED CONDITIONS**
[54] **COMPOSITIONS ET METHODE POUR LE TRAITEMENT DE TROUBLES ASSOCIES AU COMPLEMENT**
[72] YASPAN, BRIAN, US
[72] GRAHAM, ROBERT ROYAL, US
[72] DRESSEN, AMY, US
[72] LI, ZHENGRONG, US
[72] STRAUSS, ERICH, US
[72] BUGAWAN, TEODORICA, US
[71] GENENTECH, INC., US
[85] 2016-02-05
[86] 2014-08-11 (PCT/US2014/050579)
[87] (WO2015/023596)
[30] US (61/864,941) 2013-08-12
[30] US (61/866,651) 2013-08-16
[30] US (61/872,098) 2013-08-30
[30] US (61/988,012) 2014-05-02
[30] US (62/021,487) 2014-07-07

[21] **2,920,667**
[13] A1

[51] **Int.Cl. C12M 3/04 (2006.01) C12N 5/071 (2010.01) C12M 1/22 (2006.01) C12M 1/36 (2006.01)**
[25] EN
[54] **AUTOMATED CELL CULTURE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE AUTOMATISES DE CULTURE CELLULAIRE**
[72] CONWAY, MICHAEL, US
[72] GERGER, MICHAEL, US
[72] WAKUTSUKI, TETSURO, US
[71] INVIVOSCIENCES, INC., US
[85] 2016-02-05
[86] 2014-08-12 (PCT/US2014/050704)
[87] (WO2015/023658)
[30] US (61/864,993) 2013-08-12

[21] **2,920,668**
[13] A1

[51] **Int.Cl. C09K 8/528 (2006.01) C09K 8/68 (2006.01) C09K 8/88 (2006.01) C09K 8/90 (2006.01)**
[25] EN
[54] **METHOD FOR ENHANCING PRODUCTIVITY OF HYDROCARBON FORMATIONS USING FLUID CONTAINING ORGANOMETALLIC CROSSLINKING AGENT AND SCALE INHIBITOR**
[54] **PROCEDE D'AMELIORATION DE LA PRODUCTIVITE DE FORMATIONS D'HYDROCARBURES EN UTILISANT UN FLUIDE CONTENANT UN AGENT DE RETICULATION ORGANOMETALLIQUE ET UN AGENT ANTIDEPOT**
[72] SHEN, DONG, US
[72] GALVAN, DORA V., US
[72] LE, HOANG V., US
[72] QU, QI, US
[71] BAKER HUGHES INCORPORATED, US
[85] 2016-02-05
[86] 2014-08-12 (PCT/US2014/050754)
[87] (WO2015/031047)
[30] US (14/015,660) 2013-08-30

[21] **2,920,669**
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR RETRIEVING UNITS FROM A STORAGE SYSTEM**
[54] **APPAREIL POUR EXTRAIRE DES UNITES D'UN SYSTEME DE STOCKAGE**
[72] LINDBO, LARS SVERKER TURE, GB
[72] STADIE, ROBERT ROLF, GB
[72] WHELAN, MATTHEW ROBERT, GB
[72] BRETT, CHRISTOPHER RICHARD JAMES, GB
[71] OCADO INNOVATION LIMITED, GB
[85] 2016-02-05
[86] 2014-07-24 (PCT/GB2014/052273)
[87] (WO2015/019055)
[30] GB (1314313.6) 2013-08-09

[21] **2,920,671**
[13] A1

[51] **Int.Cl. B22D 11/103 (2006.01) B22D 11/04 (2006.01)**
[25] EN
[54] **DISTRIBUTION DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION**
[72] VINCENT, MARK, GB
[72] PALMER, MARK, US
[71] PYROTEK ENGINEERING MATERIALS LIMITED, GB
[85] 2016-02-05
[86] 2014-08-11 (PCT/GB2014/052447)
[87] (WO2015/022507)
[30] GB (1314376.3) 2013-08-12
[30] GB (1406937.1) 2014-04-17

[21] **2,920,672**
[13] A1

[51] **Int.Cl. C12Q 1/70 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTING HEV NUCLEIC ACID**
[54] **COMPOSITIONS ET PROCEDES DE DETECTION DE L'ACIDE NUCLEIQUE DU HEV**
[72] GAO, KUI, US
[72] ONG, EDGAR O., US
[72] COLE, JENNIFER, US
[72] LINNEN, JEFFREY M., US
[71] GEN-PROBE INCORPORATED, US
[85] 2016-02-05
[86] 2014-08-14 (PCT/US2014/051145)
[87] (WO2015/023892)
[30] US (61/865,848) 2013-08-14
[30] US (61/941,303) 2014-02-18

[21] **2,920,674**
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) G01V 1/40 (2006.01) G01V 1/48 (2006.01)**
[25] EN
[54] **FIBER OPTIC VIBRATION MONITORING**
[54] **SURVEILLANCE DE VIBRATION DE FIBRE OPTIQUE**
[72] COOPER, DANIEL BOYD, US
[72] LEE, ERIK N., US
[71] BAKER HUGHES INCORPORATED, US
[85] 2016-02-05
[86] 2014-08-15 (PCT/US2014/051177)
[87] (WO2015/038279)
[30] US (61/878,270) 2013-09-16

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[51] Int.Cl. F04D 13/08 (2006.01) C02F 1/44 (2006.01) E21B 41/00 (2006.01) F03B 11/00 (2006.01) F04B 17/03 (2006.01) F04D 1/00 (2006.01) F04D 3/00 (2006.01) F04D 13/12 (2006.01)	[51] Int.Cl. A61K 38/20 (2006.01) A61K 47/48 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 29/00 (2006.01)	[51] Int.Cl. A61M 25/01 (2006.01) A61B 17/34 (2006.01) A61B 18/14 (2006.01) A61M 25/06 (2006.01) A61M 29/00 (2006.01)
[25] EN	[25] EN	[25] EN
[54] SUBSEA PUMPING APPARATUSES AND RELATED METHODS	[54] METHODS OF USING INTERLEUKIN-10 FOR TREATING DISEASES AND DISORDERS	[54] METHODS AND DEVICES FOR PUNCTURING TISSUE
[54] APPAREILS DE POMPAGE SOUS-MARIN ET PROCEDES APPARENTES	[54] METHODES D'UTILISATION D'INTERLEUKINE 10 DANS LE TRAITEMENT DE MALADIES ET DE TROUBLES	[54] PROCEDES ET DISPOSITIFS POUR PONCTURER UN TISSU
[72] DALTON, JOHN MATTHEW, US	[72] MUMM, JOHN BRIAN, US	[72] DAVIES, GARETH, CA
[72] BABBITT, GUY ROBERT, US	[72] CHAN, IVAN HO, US	[72] URBANSKI, JOHN PAUL, CA
[72] PEREIRA, LUIS, US	[71] ARMO BIOSCIENCES, INC., US	[72] BECA, BOGDAN, CA
[72] KERSEY, JAMES EDWARD, US	[85] 2016-02-05	[72] ALLEY, FERRYL, CA
[71] TRANSOCEAN INNOVATION LABS, LTD, KY	[86] 2014-08-26 (PCT/US2014/052638)	[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2016-02-05	[87] (WO2015/031316)	[85] 2016-02-05
[86] 2014-08-15 (PCT/US2014/051378)	[30] US (61/872,394) 2013-08-30	[86] 2013-11-20 (PCT/IB2013/060287)
[87] (WO2015/024005)		[87] (WO2015/019132)
[30] US (61/866,483) 2013-08-15		[30] US (61/863,265) 2013-08-07
		[30] US (61/863,579) 2013-08-08
[21] 2,920,678 [13] A1	[21] 2,920,681 [13] A1	[21] 2,920,684 [13] A1
[51] Int.Cl. C09K 8/42 (2006.01) E21B 33/13 (2006.01)	[51] Int.Cl. H01M 10/052 (2010.01) H01M 10/0583 (2010.01)	[51] Int.Cl. A61M 5/32 (2006.01)
[25] EN	[25] EN	[25] EN
[54] CEMENT COMPOSITION COMPRISING NANO-PLATELETS	[54] LAMINATED LITHIUM-SULFPHUR CELL	[54] LUER CONNECTION ADAPTERS FOR RETRACTABLE NEEDLE SYRINGES
[54] COMPOSITION DE CIMENT COMPRENANT DES NANOPLAQUETTES	[54] BATTERIE LITHIUM/SOUFRE A STRUCTURE STRATIFIEE	[54] ADAPTATEURS DE RACCORD LUER POUR SERINGUES A AIGUILLE RETRACTABLE
[72] MUTHUSAMY, RAMESH, US	[72] LINDSTROM, OVE, GB	[72] GUPTA, JYOTI, US
[72] DESHPANDE, ABHIMANYU PRAMOD, US	[72] IVANOVA, MARIYA, GB	[72] MCKEE, BRANDON J., US
[72] SENAPATI, DIBYADARSHANI, US	[71] OXIS ENERGY LIMITED, GB	[72] HEINSBERGEN, DANIEL A., US
[72] PATIL, RAHUL CHANDRAKANT, US	[85] 2016-02-05	[71] UNITRACT SYRINGE PTY LTD, AU
[71] HALLIBURTON ENERGY SERVICES, INC., US	[86] 2014-08-13 (PCT/GB2014/052474)	[85] 2016-02-05
[85] 2016-02-05	[87] (WO2015/022529)	[86] 2014-08-07 (PCT/US2014/050116)
[86] 2014-08-20 (PCT/US2014/051837)	[30] EP (13180522.8) 2013-08-15	[87] (WO2015/021261)
[87] (WO2015/084438)	[30] GB (1405957.0) 2014-04-02	[30] US (61/863,098) 2013-08-07
[30] US (14/094,029) 2013-12-02		[30] US (61/898,077) 2013-10-31
[21] 2,920,682 [13] A1	[21] 2,920,682 [13] A1	
[51] Int.Cl. B61L 1/18 (2006.01) B61L 1/20 (2006.01)	[51] Int.Cl. B61L 1/18 (2006.01) B61L 1/20 (2006.01)	
[25] EN	[25] EN	
[54] TRACK CIRCUIT POWER SUPPLY VITAL MONITOR	[54] TRACK CIRCUIT POWER SUPPLY VITAL MONITOR	
[54] MOYEN DE SURVEILLANCE D'ETAT D'ALIMENTATION ELECTRIQUE DE CIRCUIT DE VOIE	[54] MOYEN DE SURVEILLANCE D'ETAT D'ALIMENTATION ELECTRIQUE DE CIRCUIT DE VOIE	
[72] AISA, PIER ALESSANDRO, IT	[72] AISA, PIER ALESSANDRO, IT	
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR	[71] ALSTOM TRANSPORT TECHNOLOGIES, FR	
[85] 2016-02-05	[85] 2016-02-05	
[86] 2013-08-09 (PCT/IB2013/056517)	[86] 2013-08-09 (PCT/IB2013/056517)	
[87] (WO2015/019129)	[87] (WO2015/019129)	

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[21] **2,920,685**
[13] A1

[51] **Int.Cl. G06F 19/18 (2011.01)**
[25] EN
[54] **DEVICES, METHODS AND SYSTEMS FOR ASSESSMENT AND RECORDATION OF REACTIONS TO STIMULI**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES D'EVALUATION ET D'ENREGISTREMENT DE REACTIONS A DES STIMULI**
[72] LONG, DANIEL J., US
[72] PALMER, R. KYLE, US
[71] OPERTECH BIO, INC., US
[85] 2016-02-05
[86] 2014-08-07 (PCT/US2014/050155)
[87] (WO2015/021281)
[30] US (61/863,242) 2013-08-07

[21] **2,920,686**
[13] A1

[51] **Int.Cl. C12Q 1/44 (2006.01) C12N 5/07 (2010.01) C12P 21/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DETECTING AND QUANTIFYING HOST CELL PROTEIN IN CELL LINES AND RECOMBINANT POLYPEPTIDE PRODUCTS**
[54] **COMPOSITIONS ET METHODES DE DETECTION ET DE QUANTIFICATION D'UNE PROTEINE CELLULAIRE HOTE DANS DES LIGNEES CELLULAIRES ET POLYPEPTIDES RECOMBINES**
[72] GUNAWAN, FENY, US
[72] HSIAO, YI-CHUN, US
[72] KRAWITZ, DENISE C., US
[72] LIN, MARGARET S., US
[72] VANDERLAAN, MARTIN, US
[72] VIJ, RAJESH, US
[72] YUK, INN H., US
[72] ZHU-SHIMONI, JUDITH, US
[71] GENENTECH, INC., US
[85] 2016-02-05
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[87] (WO2015/038884)
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[30] US (61/991,228) 2014-05-09

[21] **2,920,687**
[13] A1

[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/58 (2006.01)**
[25] EN
[54] **METHOD OF USING SURFACE MODIFYING TREATMENT AGENTS TO TREAT SUBTERRANEAN FORMATIONS**
[54] **PROCEDE D'UTILISATION D'AGENTS DE TRAITEMENT DE MODIFICATION DE SURFACE POUR TRAITER DES FORMATIONS SOUTERRAINES**
[72] LANT, KIMBERLY, US
[72] BESTAOUI-SPURR, NAIMA, US
[72] BHADURI, SUMIT, US
[72] CREWS, JAMES B., US
[72] LE, HOANG, US
[72] MONROE, TERRY D., US
[72] QU, QI, US
[71] BAKER HUGHES INCORPORATED, US
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[86] 2014-09-19 (PCT/US2014/056675)
[87] (WO2015/042477)
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[30] US (61/981,051) 2014-04-17
[30] US (61/989,267) 2014-05-06
[30] US (62/007,708) 2014-06-04

[21] **2,920,688**
[13] A1

[51] **Int.Cl. G01S 1/00 (2006.01) G06Q 50/22 (2012.01) A61G 12/00 (2006.01) G01S 1/70 (2006.01) G07C 1/10 (2006.01) G08B 21/24 (2006.01)**
[25] EN
[54] **HAND HYGIENE COMPLIANCE**
[54] **RESPECT DES REGLES D'HYGIENE DES MAINS**
[72] LEVCHENKO, OLEKSANDR IGOROVICH, CA
[72] PONG, STEVEN MICHAEL, CA
[72] FERNIE, GEOFFREY ROY, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2016-02-08
[86] 2014-08-12 (PCT/CA2014/000615)
[87] (WO2015/021528)
[30] US (61/865,004) 2013-08-12

[21] **2,920,689**
[13] A1

[51] **Int.Cl. G06F 17/20 (2006.01) G06F 5/00 (2006.01) G06F 17/00 (2006.01) G09B 29/10 (2006.01)**
[25] EN
[54] **DATA SANITIZATION AND NORMALIZATION AND GEOCODING METHODS**
[54] **NETTOYAGE ET NORMALISATION DE DONNEES ET PROCEDES DE GEOCODAGE**
[72] ROYTBAT, IGAL, CA
[72] HALDANE, JONATHAN, CA
[71] ZAG HOLDINGS INC., CA
[85] 2016-02-08
[86] 2014-08-14 (PCT/CA2014/000620)
[87] (WO2015/021532)
[30] US (61/865,984) 2013-08-14

[21] **2,920,690**
[13] A1

[51] **Int.Cl. F42B 33/00 (2006.01) B29C 47/06 (2006.01) C06C 9/00 (2006.01) F42B 5/16 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING MULTI-LAYERED PROPELLANT GRAINS**
[54] **PROCEDE DE FABRICATION DE BLOCS DE POWDRE MULTICOUCHE**
[72] DURAND, SIMON, CA
[72] PARADIS, PIERRE-YVES, CA
[72] LEPAGE, DANIEL, CA
[71] GENERAL DYNAMICS ORDNANCE AND TACTICAL SYSTEMS - CANADA VALLEYFIELD INC., CA
[85] 2016-02-08
[86] 2014-08-08 (PCT/CA2014/050755)
[87] (WO2015/021545)
[30] US (61/866,748) 2013-08-16
[30] US (14/166,622) 2014-01-28

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[21] **2,920,692**
[13] A1

[51] **Int.Cl. C10B 49/00 (2006.01) C10B 49/02 (2006.01) C10B 49/16 (2006.01)**
[25] EN
[54] **REACTOR AND METHOD FOR PYROLIZING HYDROCARBON MATERIALS BY SOLID HEAT CARRIER**
[54] **REACTEUR DE DISTILLATION SECHE ET PROCEDE POUR MATIERE PREMIERE D'HYDROCARBURE COMPORTANT UN CALOPORTEUR SOLIDE**
[72] XU, GUANGWEN, CN
[72] WU, RONGCHENG, CN
[72] GAO, SHIQIU, CN
[72] ZHANG, CHUN, CN
[72] DONG, PENGWEI, CN
[72] HAN, JIANGZE, CN
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
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[86] 2013-08-14 (PCT/CN2013/081446)
[87] (WO2015/018099)
[30] CN (2013103466333) 2013-08-09

[21] **2,920,693**
[13] A1

[51] **Int.Cl. C03C 23/00 (2006.01) B08B 11/04 (2006.01)**
[25] EN
[54] **GLASS PANE BOMBARDMENT DEGASSING DEVICE**
[54] **DISPOSITIF DE DEGAZAGE DE VITRES PAR BOMBARDEMENT**
[72] LI, YANBING, CN
[72] WANG, ZHANGSHENG, CN
[72] PANG, SHITAO, CN
[72] WU, HAIYAN, CN
[71] LUOYANG LANDGLASS TECHNOLOGY CO., LTD., CN
[85] 2016-02-08
[86] 2014-01-06 (PCT/CN2014/070170)
[87] (WO2015/021747)
[30] CN (201310347904.7) 2013-08-12

[21] **2,920,694**
[13] A1

[51] **Int.Cl. A47G 25/90 (2006.01)**
[25] EN
[54] **A DRESSING DEVICE**
[54] **DISPOSITIF D'HABILLAGE**
[72] GREALY, SEAMUS, IE
[71] GREALY, SEAMUS, IE
[85] 2016-02-08
[86] 2014-02-07 (PCT/EP2014/052431)
[87] (WO2014/128012)
[30] GB (1303077.0) 2013-02-21

[21] **2,920,695**
[13] A1

[51] **Int.Cl. B23C 3/32 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING A CAVITY IN A STATOR OF AN ECCENTRIC SCREW PUMP**
[54] **PROCEDE DE REALISATION D'UNE CAVITE DANS UN STATOR D'UNE POMPE A VIS EXCENTRIQUE**
[72] DAUNHEIMER, RALF, DE
[71] DAUNHEIMER, RALF, DE
[85] 2016-02-08
[86] 2014-07-17 (PCT/EP2014/065458)
[87] (WO2015/011030)
[30] DE (10 2013 107 884.2) 2013-07-23

[21] **2,920,696**
[13] A1

[51] **Int.Cl. B01D 46/00 (2006.01) C10J 3/04 (2006.01) C10K 1/02 (2006.01)**
[25] EN
[54] **C-CONVERTER HAVING A FILTERING FUNCTION**
[54] **CONVERTISSEUR DE C AYANT UNE FONCTION DE FILTRATION**
[72] KUHL, OLAF, DE
[71] CCP TECHNOLOGY GMBH, DE
[85] 2016-02-08
[86] 2014-08-12 (PCT/EP2014/025004)
[87] (WO2015/022083)
[30] DE (10 2013 013 443.9) 2013-08-12

[21] **2,920,697**
[13] A1

[51] **Int.Cl. G02B 5/02 (2006.01) C04B 35/01 (2006.01) C09K 11/77 (2006.01) F21V 9/16 (2006.01) F21V 29/00 (2015.01) H05B 33/12 (2006.01)**
[25] EN
[54] **CONVERTER-COOLING ELEMENT ASSEMBLY WITH METALLIC SOLDER CONNECTION**
[54] **DISPOSITIF COMPOSITE A CONVERTISSEUR ET RADIATEUR AVEC LIAISON PAR METAL D'APPORT**
[72] WEBER, URBAN, DE
[72] HAGEMANN, VOLKER, DE
[72] BRIX, PETER, DE
[72] KLUGE, MICHAEL, DE
[71] SCHOTT AG, DE
[85] 2016-02-08
[86] 2014-07-22 (PCT/EP2014/065680)
[87] (WO2015/022151)
[30] DE (10 2013 013 296.7) 2013-08-12

[21] **2,920,698**
[13] A1

[51] **Int.Cl. B62D 57/00 (2006.01)**
[25] EN
[54] **CARRIAGE CART WITH OBSTACLE OVERCOMING**
[54] **CHARIOT POUVANT MAITRISER DES OBSTACLES**
[72] BERLINGER, FLORIAN CONRAD JOSEPH, CH
[72] CLAUSEN, CLEMENS MAURICE, CH
[72] DETREKOEY, YORRICK, CH
[72] EICHENBERGER, JONAS, CH
[72] EPPENBERGER, MARCO ANDREA, CH
[72] FISLER, MICHAEL SIMON, CH
[72] MUELLER, ANDREAS, CH
[72] SCHMID, SIMON MICHAEL, CH
[72] FISCHER, WOLFGANG, CH
[71] ALSTOM TECHNOLOGY LTD, CH
[85] 2016-02-08
[86] 2014-07-24 (PCT/EP2014/065878)
[87] (WO2015/022162)
[30] EP (13180338.9) 2013-08-14

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[21] **2,920,699**
[13] A1

[51] **Int.Cl. G06F 17/18 (2006.01) A61B 5/145 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DETERMINING A SMOOTHED DATA POINT WITHIN A STREAM OF DATA POINTS**

[54] **PROCEDE ET APPAREIL DE DETERMINATION D'UN POINT DE DONNEES LISSE DANS UN FLUX DE POINTS DE DONNEES**

[72] KUSTER, FRANK, DE
[72] KRIVANEK, ROLAND, DE
[72] MULLER, ACHIM, DE
[71] EYSENSE AG, CH
[85] 2016-02-08
[86] 2014-08-04 (PCT/EP2014/066706)
[87] (WO2015/022219)
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[21] **2,920,700**
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01)**

[25] EN

[54] **LIGASE E3 RNF185 INHIBITORS AND USES THEREOF**

[54] **INHIBITEURS D'E3-LIGASES RNF185 ET LEURS UTILISATIONS**

[72] DELAUNAY-MOISAN, AGNES, FR
[72] TOLEDANO, MICHEL, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[86] 2014-08-05 (PCT/EP2014/066820)
[87] (WO2015/018831)
[30] EP (13306145.7) 2013-08-09

[21] **2,920,701**
[13] A1

[51] **Int.Cl. C01F 11/18 (2006.01)**

[25] EN

[54] **PROCESS FOR OBTAINING PRECIPITATED CALCIUM CARBONATE**

[54] **PROCEDE PERMETTANT D'OBTENIR UN CARBONATE DE CALCIUM PRECIPITE**

[72] MAURER, MARC, FR
[72] SCHLOTTERBACH, THOMAS, AT
[72] SKRZYPCZAK, MATHIEU, US
[72] PIRKER, ROBERT, AT
[71] OMYA INTERNATIONAL AG, CH
[85] 2016-02-08
[86] 2014-08-08 (PCT/EP2014/067075)
[87] (WO2015/024799)
[30] EP (13181073.1) 2013-08-20

[21] **2,920,702**
[13] A1

[51] **Int.Cl. C08H 7/00 (2011.01) C08H 8/00 (2010.01)**

[25] EN

[54] **METHOD FOR EXTRACTING LIGNIN FROM BLACK LIQUOR AND PRODUCTS PRODUCED THEREBY**

[54] **PROCEDE PERMETTANT D'OBTENIR DE LA LIGNINE A PARTIR DE LIQUEUR NOIRE ET PRODUITS FABRIQUES PAR LEDIT PROCEDE**

[72] WITTMANN, TOBIAS, DE
[72] RICHTER, ISABELLA, DE
[71] SUNCOAL INDUSTRIES GMBH, DE
[85] 2016-02-08
[86] 2014-08-08 (PCT/EP2014/067134)
[87] (WO2015/018944)
[30] DE (10 2013 013 189.8) 2013-08-09

[21] **2,920,703**
[13] A1

[51] **Int.Cl. H05K 5/06 (2006.01)**

[25] EN

[54] **WATERTIGHT CASING WITH INTEGRATED ELECTRICAL CONTACTS**

[54] **BOITIER ETANCHE A L'EAU A CONTACTS ELECTRIQUES INTEGRES**

[72] GUINAN, EAMON, GB
[72] NELSON, JONATHAN, GB
[72] ELDER, DAVID, GB
[72] FAULKNER, ALLAN, GB
[72] HAMER, MALCOLM, GB
[72] MAGENNIS, RYAN, GB
[71] LIFESCAN SCOTLAND LIMITED, GB
[85] 2016-02-08
[86] 2014-08-11 (PCT/EP2014/067185)
[87] (WO2015/022299)
[30] GB (1314400.1) 2013-08-12

[21] **2,920,704**
[13] A1

[51] **Int.Cl. B65D 8/04 (2006.01) B65D 8/08 (2006.01) B65D 8/12 (2006.01) B65D 77/06 (2006.01)**

[25] EN

[54] **CONTAINER FOR LIQUIDS**

[54] **CONTENANT POUR LIQUIDES**

[72] HANSSEN, HUBERT JOSEPH FRANS, NL
[72] VEENENDAAL, JAN DIRK, NL
[71] EUROKEG B.V., NL
[85] 2016-02-08
[86] 2014-08-28 (PCT/EP2014/068292)
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[30] EP (13182063.1) 2013-08-28

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[21] **2,920,705**
[13] A1

[51] **Int.Cl. G10D 13/02 (2006.01)**
[25] EN
[54] **COMPOUND-RESONANCE DRIVER (CRD) BASS ENHANCEMENT SYSTEM**
[54] **SYSTEME D'AMELIORATION DES BASSES DE MOTEUR DE RESONANCE DE COMPOSE (CRD)**
[72] MILLENDER, SAMUEL EARL, JR., US
[71] MILLENDER, SAMUEL EARL, JR., US
[85] 2016-02-08
[86] 2014-07-16 (PCT/US2014/046922)
[87] (WO2015/009875)
[30] US (61/846,751) 2013-07-16
[30] US (14/333,428) 2014-07-16

[21] **2,920,708**
[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01) G06F 1/16 (2006.01) G06F 1/32 (2006.01) G06F 3/01 (2006.01) H03K 17/96 (2006.01)**
[25] EN
[54] **WEARABLE DISPLAY DEVICE USE-BASED DATA PROCESSING CONTROL**
[54] **COMMANDE DE TRAITEMENT DE DONNEES BASEE SUR L'UTILISATION D'UN DISPOSITIF D'AFFICHAGE VESTIMENTAIRE**
[72] RABII, KHOSRO MOHAMMAD, US
[71] QUALCOMM INCORPORATED, US
[85] 2016-02-08
[86] 2014-08-05 (PCT/US2014/049814)
[87] (WO2015/034617)
[30] US (14/018,131) 2013-09-04

[21] **2,920,711**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE COMPRISING A BLIND COMBUSTIBLE HEAT SOURCE**
[54] **ARTICLE A FUMER COMPRENANT UNE SOURCE DE CHALEUR COMBUSTIBLE AVEUGLE**
[72] POGET, LAURENT EDOUARD, CH
[72] MIRONOV, OLEG, CH
[72] ROUDIER, STEPHANE, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2016-02-08
[86] 2014-08-12 (PCT/EP2014/067233)
[87] (WO2015/022317)
[30] EP (13180308.2) 2013-08-13

[21] **2,920,707**
[13] A1

[51] **Int.Cl. B60C 23/04 (2006.01) B60C 23/02 (2006.01) B60C 23/20 (2006.01)**
[25] EN
[54] **CONFIGURING A TIRE PRESSURE MONITORING SYSTEM**
[54] **CONFIGURATION D'UN SYSTEME DE SURVEILLANCE DE PRESSION DE PNEU**
[72] LAMMERS, SHAWN D., CA
[72] INTAGLIATA, JON D., US
[72] MACNAMARA, JOSEPH M., US
[72] SEITZ, SHARON A., US
[72] ZULA, DANIEL P., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2016-02-08
[86] 2014-08-01 (PCT/US2014/049342)
[87] (WO2015/026505)
[30] US (13/973,004) 2013-08-22

[21] **2,920,710**
[13] A1

[51] **Int.Cl. B60T 8/1764 (2006.01) B60T 8/58 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING RESPECTIVE BRAKING PRESSURES AT WHEELS ON A VEHICLE**
[54] **SYSTEME ET PROCEDE POUR COMMANDER LES PRESSIONS RESPECTIVES DE FREINAGE AUX ROUES SUR UN VEHICULE**
[72] MILLER, THOMAS STEPHEN, JR., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2016-02-08
[86] 2014-08-07 (PCT/US2014/050039)
[87] (WO2015/023496)
[30] US (13/967,097) 2013-08-14

[21] **2,920,712**
[13] A1

[51] **Int.Cl. G05B 11/01 (2006.01) F02C 9/28 (2006.01) G05B 19/404 (2006.01) G05B 19/416 (2006.01)**
[25] FR
[54] **METHOD AND MODULE FOR FILTERING A RAW SETPOINT**
[54] **PROCEDE ET MODULE DE FILTRAGE D'UNE CONSIGNE BRUTE**
[72] DJELASSI, CEDRIK, FR
[71] SNECMA, FR
[85] 2016-02-05
[86] 2014-07-30 (PCT/FR2014/051978)
[87] (WO2015/019003)
[30] FR (1357910) 2013-08-09

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[21] **2,920,713**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE
COMPRISING A COMBUSTIBLE
HEAT SOURCE WITH AT LEAST
ONE AIRFLOW CHANNEL**

[54] **ARTICLE A FUMER
COMPRENANT UNE SOURCE DE
CHALEUR COMBUSTIBLE
DOTE E D'AU MOINS UN
PASSAGE PERMETTANT LA
CIRCULATION DE L'AIR**

[72] POGET, LAURENT EDOUARD, CH
[72] MIRONOV, OLEG, CH
[72] ROUDIER, STEPHANE, CH
[71] PHILIP MORRIS PRODUCTS S.A.,
CH
[85] 2016-02-08
[86] 2014-08-12 (PCT/EP2014/067235)
[87] (WO2015/022319)
[30] EP (13180304.1) 2013-08-13

[21] **2,920,714**
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE WITH DUAL
HEAT-CONDUCTING ELEMENTS
AND IMPROVED AIRFLOW**

[54] **ARTICLE A FUMER AYANT DEUX
ELEMENTS CONDUCTEURS DE
CHALEUR ET UN FLUX D'AIR
AMELIORE**

[72] BORGES, ANA, CH
[72] APETREI BIRZA, CRISTINA, CH
[72] KUCHEN, DAVID, CH
[72] LAVANCHY, FREDERIC, CH
[72] POGET, LAURENT EDOUARD, CH
[71] PHILIP MORRIS PRODUCTS S.A.,
CH
[85] 2016-02-08
[86] 2014-08-12 (PCT/EP2014/067236)
[87] (WO2015/022320)
[30] EP (13180307.4) 2013-08-13

[21] **2,920,716**
[13] A1

[51] **Int.Cl. B67D 3/00 (2006.01) B67D 7/02
(2010.01) B67D 1/08 (2006.01)**

[25] EN
[54] **A CONTAINER FOR
TRANSPORTING AND STORING
A LIQUID**

[54] **RECIPIENT POUR
TRANSPORTER ET STOCKER UN
LIQUIDE**

[72] SASTURAIN, JUAN, DE
[72] HUBER, ROBERT, DE
[72] METCALF, ROY, GB
[72] KROGER, HARALD, DE
[72] GARNETT, RICHARD, GB
[71] BASF SE, DE
[85] 2016-02-08
[86] 2014-08-14 (PCT/EP2014/067405)
[87] (WO2015/022396)
[30] EP (13180477.5) 2013-08-14
[30] EP (13180473.4) 2013-08-14
[30] EP (13180478.3) 2013-08-14
[30] EP (14172542.4) 2014-06-16

[21] **2,920,717**
[13] A1

[51] **Int.Cl. B67D 7/02 (2010.01)**

[25] EN
[54] **COUPLING DEVICE**

[54] **DISPOSITIF D'ACCOUPLLEMENT**

[72] HUBER, ROBERT, DE
[72] SASTURAIN, JUAN, DE
[72] GARNETT, RICHARD, GB
[71] BASF SE, DE
[85] 2016-02-08
[86] 2014-08-14 (PCT/EP2014/067424)
[87] (WO2015/022402)
[30] EP (13180473.4) 2013-08-14
[30] EP (13180477.5) 2013-08-14
[30] EP (13180478.3) 2013-08-14
[30] EP (14172542.4) 2014-06-16

[21] **2,920,719**
[13] A1

[51] **Int.Cl. B66B 23/10 (2006.01) B66B
23/12 (2006.01)**

[25] EN
[54] **PALETTE FOR A MOVING
WALKWAY OR STEP FOR AN
ESCALATOR**

[54] **PALETTE DE TROTTOIR
ROULANT OU MARCHE
D'ESCALIER MECANIQUE**

[72] EIDLER, WERNER, AT
[72] HAUER, UWE, DE
[72] MATHEISL, MICHAEL, AT
[72] ILLEDITS, THOMAS, AT
[72] SCHULZ, ROBERT, AT
[72] MAKOVEC, CHRISTOPH, AT
[72] FRIM, NORBERT, AT
[71] INVENTIO AG, CH
[85] 2016-02-05
[86] 2014-08-28 (PCT/EP2014/068207)
[87] (WO2015/032674)
[30] EP (13183514.2) 2013-09-09

[21] **2,920,720**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01)**

[25] EN
[54] **TISSUE REPAIR DEVICES
UTILIZING SELF-ASSEMBLED
MATERIALS**

[54] **DISPOSITIFS DE REPARATION
TISSULAIRE FAISANT APPEL A
DES MATERIAUX AUTO-
ASSEMBLES**

[72] WAGNER, WILLIAM D., US
[72] LEVI-POLYACHENKO, NICOLE, US
[72] WANG, RUI, US
[72] ARGENTA, LOUIS C., US
[72] MORYKWAS, MICHAEL J., US
[71] WAKE FOREST UNIVERSITY
HEALTH SCIENCES, US
[85] 2016-02-08
[86] 2013-08-20 (PCT/US2013/055730)
[87] (WO2015/026326)

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[21] **2,920,721**
[13] A1

[51] **Int.Cl. E21B 10/573 (2006.01) F16J 15/02 (2006.01)**
[25] EN
[54] **SACRIFICIAL SPACER FOR WELL TOOL INNER SEAL**
[54] **ENTRETOISE CONSOMMABLE POUR JOINT INTERNE D'OUTIL DE FORAGE**
[72] WILLIAMS, MARK E., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-08
[86] 2013-09-10 (PCT/US2013/058951)
[87] (WO2015/038094)

[21] **2,920,723**
[13] A1

[51] **Int.Cl. A61K 31/35 (2006.01) A61K 31/025 (2006.01) A61K 31/045 (2006.01) A61K 31/05 (2006.01) A61K 31/085 (2006.01) A61K 31/56 (2006.01) A61K 36/23 (2006.01) A61K 36/53 (2006.01) A61K 36/54 (2006.01) A61K 36/61 (2006.01) A61P 33/02 (2006.01)**
[25] EN
[54] **ORAL ANTI-PARASITIC COMPOSITION**
[54] **COMPOSITION ANTIPARASITAIRE ORALE**
[72] FEUGIER, ALEXANDRE, FR
[72] LEROUXEL, NICOLAS, FR
[71] MARS, INCORPORATED, US
[85] 2016-02-08
[86] 2014-09-05 (PCT/EP2014/068992)
[87] (WO2015/032922)
[30] EP (13306227.3) 2013-09-06

[21] **2,920,724**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR IMPLANTING A REPLACEMENT HEART VALVE**
[54] **APPAREIL ET PROCEDES POUR IMPLANTER UNE VALVULE PROTHETIQUE**
[72] TOMPKINS, LANDON H., US
[72] SPENCE, PAUL A., US
[71] MITRAL VALVE TECHNOLOGIES SARL, FR
[85] 2016-02-08
[86] 2014-08-11 (PCT/US2014/050525)
[87] (WO2015/023579)
[30] US (61/864,860) 2013-08-12
[30] US (61/867,287) 2013-08-19
[30] US (61/878,280) 2013-09-16

[21] **2,920,725**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/50 (2006.01) A61K 31/192 (2006.01) A61K 31/4164 (2006.01) A61K 31/4178 (2006.01) A61K 31/4422 (2006.01)**
[25] EN
[54] **DELAYED RELEASE PHARMACEUTICAL FORMULATION**
[54] **FORMULATION PHARMACEUTIQUE A LIBERATION RETARDEE**
[72] PREISIG, DANIEL, CH
[72] PUCHKOV, MAXIM, CH
[72] HUWYLER, JOERG, CH
[72] OLIVEIRA VARUM, FELIPE JOSE, CH
[72] BRAVO GONZALEZ, ROBERTO CARLOS, CH
[71] TILLOTS PHARMA AG, CH
[85] 2016-02-08
[86] 2014-09-22 (PCT/EP2014/070128)
[87] (WO2015/040212)
[30] EP (13185334.3) 2013-09-20

[21] **2,920,726**
[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **MULTI-STANDARD LIGHTING CONTROL INTERFACE CIRCUIT**
[54] **CIRCUIT D'INTERFACE DE COMMANDE D'ECLAIRAGE MULTI-STANDARD**
[72] YANG, LIN, US
[72] THANGAVELU, SIVAKUMAR, US
[72] ARDAI, MICHAEL, US
[71] OSRAM SYLVANIA INC., US
[85] 2016-02-08
[86] 2014-08-12 (PCT/US2014/050646)
[87] (WO2015/023632)
[30] US (13/967,385) 2013-08-15

[21] **2,920,728**
[13] A1

[51] **Int.Cl. G02B 27/32 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF MEASURING FACIAL CHARACTERISTICS**
[54] **SYSTEMES ET PROCEDES DE MESURE DE CARACTERISTIQUES FACIALES**
[72] CHOLAYIL, SAMEER, US
[72] DOAN, BRIAN HUNG, US
[72] PHAM, PHUONG THI XUAN, US
[71] VSP LABS, INC., US
[85] 2016-02-08
[86] 2014-08-12 (PCT/US2014/050717)
[87] (WO2015/023667)
[30] US (13/967,079) 2013-08-14

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[21] **2,920,729**
[13] A1

[51] **Int.Cl. A01N 63/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACILLUS STRAINS AND METHODS OF USE TO SUPPRESS THE ACTIVITIES AND GROWTH OF FUNGAL PLANT PATHOGENS**

[54] **COMPOSITIONS COMPRENANT DES SOUCHES DE BACILLUS ET LEURS PROCEDES D'UTILISATION POUR SUPPRIMER LES ACTIVITES ET LA PROLIFERATION D'AGENTS PATHOGENES FONGIQUES DE VEGETAUX**

[72] SPEARS, JESSICA, US
[72] LAMB, STEVE C., US
[72] GEBRECHRISTOS, SEBHAT, US
[72] SCHULER, CHRISTOPHER, US
[71] BIO-CAT MICROBIALS LLC, US
[85] 2016-02-08
[86] 2014-08-12 (PCT/US2014/050710)
[87] (WO2015/023662)
[30] US (61/958,994) 2013-08-12
[30] US (62/016,855) 2014-06-25

[21] **2,920,730**
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 38/17 (2006.01) A61P 7/00 (2006.01) A61P 7/10 (2006.01)**

[25] EN
[54] **THERAPEUTIC USE OF VEGF-C AND CCBE1**

[54] **UTILISATION THERAPEUTIQUE DE VEGF-C ET DE CCBE1**

[72] ALITALO, KARI, FI
[72] JELTSCH, MICHAEL, FI
[72] ANISIMOV, ANDREY, FI
[71] LAURANTIS PHARMA OY, FI
[85] 2016-02-08
[86] 2014-08-13 (PCT/FI2014/050620)
[87] (WO2015/022447)
[30] FI (20135832) 2013-08-14

[21] **2,920,732**
[13] A1

[51] **Int.Cl. D21H 17/02 (2006.01) D21H 19/14 (2006.01) D21H 21/16 (2006.01)**

[25] EN
[54] **HYDROPHOBISATION COMPOSITION, METHOD FOR HYDROPHOBISATION AND SUBSTRATE**

[54] **COMPOSITION D'HYDROPHOBISATION, PROCEDE D'HYDROPHOBISATION ET SUBSTRAT**

[72] HOLMBOM, THOMAS, FI
[72] HOLMBOM, BJARNE, FI
[71] OY SEPARATION RESEARCH AB, FI
[85] 2016-02-08
[86] 2014-08-19 (PCT/FI2014/050636)
[87] (WO2015/025083)
[30] FI (20135840) 2013-08-19

[21] **2,920,735**
[13] A1

[51] **Int.Cl. A61K 38/07 (2006.01) A61P 9/10 (2006.01)**

[25] EN
[54] **COMBINATION THERAPY FOR THE TREATMENT OF ISCHEMIA-REPERFUSION INJURY**

[54] **POLYTHERAPIE POUR LE TRAITEMENT D'UNE LESION D'ISCHEMIE-REPERFUSION**

[72] WILSON, D. TRAVIS, US
[71] STEALTH BIOTHERAPEUTICS CORP, MC
[85] 2016-02-08
[86] 2014-08-12 (PCT/US2014/050747)
[87] (WO2015/023680)
[30] US (61/864,843) 2013-08-12

[21] **2,920,736**
[13] A1

[51] **Int.Cl. F16D 51/20 (2006.01)**

[25] EN
[54] **HEAVY DUTY STAMPED SPIDER PORTE-SEGMENTS ESTAMPE TRES RESISTANT**

[72] BANKS, DANIEL E., US
[72] FLODIN, TROY A., US
[72] ST. JOHN, BRAIN E., US
[71] BENDIX SPICER FOUNDATION BRAKE LLC, US
[71] BENDIX SPICER FOUNDATION BRAKE LLC, US
[85] 2016-02-08
[86] 2014-08-13 (PCT/US2014/050812)
[87] (WO2015/023719)
[30] US (13/968,640) 2013-08-16

[21] **2,920,738**
[13] A1

[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01)**

[25] EN
[54] **DEOXYCYTIDINE KINASE INHIBITORS**

[54] **INHIBITEURS DE DESOXYCYTIDINE KINASE**

[72] RADU, CAIUS G., US
[72] LI, ZHENG, US
[72] GIPSON, RAYMOND M., US
[72] WANG, JUE, US
[72] SATYAMURTHY, NAGICHETTIAR, US
[72] LAVIE, ARNON, US
[72] MURPHY, JENNIFER M., US
[72] NATHANSON, DAVID A., US
[72] JUNG, MICHAEL E., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
[85] 2016-02-08
[86] 2014-08-13 (PCT/US2014/050931)
[87] (WO2015/023776)
[30] US (61/865,468) 2013-08-13

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[21] **2,920,740**
[13] A1

[51] **Int.Cl. A61M 1/12 (2006.01) A61N 1/378 (2006.01) H02J 7/02 (2016.01)**

[25] EN

[54] **MULTIBAND WIRELESS POWER SYSTEM**

[54] **SYSTEME DE PUISSANCE SANS FIL MULTIBANDE**

[72] RUDSER, JOHN, US

[72] LAROSE, JEFFREY A., US

[71] HEARTWARE, INC., US

[85] 2016-02-08

[86] 2014-08-18 (PCT/US2014/051461)

[87] (WO2015/026711)

[30] US (61/867,406) 2013-08-19

[21] **2,920,741**
[13] A1

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

[25] EN

[54] **PREDICTING USER INTERACTIONS WITH OBJECTS ASSOCIATED WITH ADVERTISEMENTS ON AN ONLINE SYSTEM**

[54] **PREDICTION DES INTERACTIONS D'UN UTILISATEUR AVEC DES OBJETS ASSOCIES AUX PUBLICITES SUR UN SYSTEME EN LIGNE**

[72] SHAY, EITAN, US

[72] BOWERS, STUART MICHAEL, US

[72] SIM, RICHARD BILL, US

[72] YANG, JUN, US

[71] FACEBOOK, INC., US

[85] 2016-02-08

[86] 2014-08-21 (PCT/US2014/052155)

[87] (WO2015/041798)

[30] US (14/034,338) 2013-09-23

[21] **2,920,743**
[13] A1

[51] **Int.Cl. B23F 21/10 (2006.01) B23C 5/08 (2006.01) B23C 5/22 (2006.01) B23C 5/24 (2006.01) B23F 21/14 (2006.01)**

[25] EN

[54] **PERIPHERAL CUTTING TOOL UTILIZING STICK BLADES**

[54] **OUTIL DE COUPE PERIPHERIQUE UTILISANT DES LAMES DE TYPE BATON**

[72] STADTFELD, HERMANN J., US

[72] CHURCH, BENJAMIN D., US

[71] THE GLEASON WORKS, US

[85] 2016-02-08

[86] 2014-08-25 (PCT/US2014/052479)

[87] (WO2015/034699)

[30] US (61/873,477) 2013-09-04

[21] **2,920,744**
[13] A1

[51] **Int.Cl. G01N 27/62 (2006.01)**

[25] EN

[54] **METHOD AND PORTABLE ION MOBILITY SPECTROMETER FOR THE DETECTION OF AN AEROSOL**

[54] **PROCEDE ET SPECTROMETRE DE MOBILITE IONIQUE PORTATIF POUR LA DETECTION D'UN AEROSOL**

[72] SHARP, DAVID, GB

[72] CLARK, ALASTAIR, GB

[72] MUNRO, WILLIAM, GB

[72] ARNOLD, PAUL, GB

[72] FITZGERALD, JOHN, GB

[72] CUTMORE, DAVID, GB

[72] WILSON, ROD, GB

[71] SMITHS DETECTION - WATFORD LIMITED, GB

[85] 2016-02-08

[86] 2014-07-31 (PCT/GB2014/052356)

[87] (WO2015/019059)

[30] GB (1314252.6) 2013-08-08

[21] **2,920,745**
[13] A1

[51] **Int.Cl. G01N 15/06 (2006.01) C02F 1/44 (2006.01) G01N 21/64 (2006.01) G01N 33/18 (2006.01)**

[25] EN

[54] **METHOD FOR DETECTING TRANSPARENT EXOPOLYMER PARTICLES IN A WATER SAMPLE**

[54] **PROCEDE DE DETECTION DE PARTICULES D'EXOPOLYMERES TRANSPARENTES DANS UN ECHANTILLON D'EAU**

[72] SAARI, EIJA, FI

[72] KARISALMI, KAISA, FI

[72] HESAMPOUR, MEHRDAD, FI

[72] VIRKKI, HELI, FI

[72] NIEMELA, MIIA, FI

[72] KORTE, EIJA, FI

[71] KEMIRA OYJ, FI

[85] 2016-02-08

[86] 2014-08-26 (PCT/FI2014/050648)

[87] (WO2015/028711)

[30] FI (20135857) 2013-08-26

[21] **2,920,747**
[13] A1

[51] **Int.Cl. C01B 17/04 (2006.01) B01D 19/00 (2006.01) B01D 53/86 (2006.01)**

[25] EN

[54] **TREATMENT OF GASES**

[54] **TRAITEMENT DE GAZ**

[72] HIBBITT, IAN, GB

[72] SCHREINER, BERNHARD, DE

[71] LINDE AKTIENGESELLSCHAFT, DE

[85] 2016-02-08

[86] 2014-08-13 (PCT/GB2014/052469)

[87] (WO2015/022524)

[30] GB (1314450.6) 2013-08-13

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[21] **2,920,748**
[13] A1

[51] **Int.Cl. G06F 13/38 (2006.01)**
[25] EN
[54] **ASCERTAINING COMMAND COMPLETION IN FLASH MEMORIES**
[54] **DETERMINATION DE L'ACCOMPLISSEMENT D'UNE COMMANDE DANS DES MEMOIRES FLASH**
[72] RAVIV, DOLEV, US
[72] BROKHMANN, TATYANA, US
[72] HAIM, MAYA, US
[72] SHACHAM, ASSAF, US
[71] QUALCOMM INCORPORATED, US
[85] 2016-02-08
[86] 2014-08-26 (PCT/US2014/052667)
[87] (WO2015/038325)
[30] US (61/875,907) 2013-09-10
[30] US (14/467,404) 2014-08-25

[21] **2,920,749**
[13] A1

[51] **Int.Cl. F01B 9/06 (2006.01) F02B 33/22 (2006.01) F02B 47/02 (2006.01) F02B 75/28 (2006.01)**
[25] EN
[54] **PISTON ARRANGEMENT AND INTERNAL COMBUSTION ENGINE**
[54] **AGENCEMENT DE PISTON ET MOTEUR A COMBUSTION INTERNE**
[72] BOWEN, RYAN, GB
[71] NEWLENOIR LIMITED, GB
[85] 2016-02-08
[86] 2014-08-27 (PCT/GB2014/052592)
[87] (WO2015/028789)
[30] GB (1315530.4) 2013-08-30

[21] **2,920,750**
[13] A1

[51] **Int.Cl. C21D 1/76 (2006.01) C21D 8/12 (2006.01) C22C 38/00 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/34 (2006.01)**
[25] EN
[54] **GRAIN ORIENTED ELECTRICAL STEEL WITH IMPROVED FORSTERITE COATING CHARACTERISTICS**
[54] **ACIER ELECTRIQUE A GRAINS ORIENTES PRESENTANT DES CARACTERISTIQUES DE REVETEMENT DE FORSTERITE AMELIOREES**
[72] SCHOEN, JERRY WILLIAM, US
[72] WILKINS, CHRISTOPHER MARK, US
[72] PARTIN, KIMANI TIRAWA (DECEASED), US
[71] AK STEEL PROPERTIES, INC., US
[71] AK STEEL PROPERTIES, INC., US
[85] 2016-02-08
[86] 2014-08-26 (PCT/US2014/052731)
[87] (WO2015/031377)
[30] US (61/870,332) 2013-08-27

[21] **2,920,751**
[13] A1

[51] **Int.Cl. E05B 65/08 (2006.01) E05C 19/00 (2006.01) E06B 5/11 (2006.01)**
[25] EN
[54] **ANTI-BURGLARY SLIDING FRAMES SYSTEM**
[54] **SYSTEME DE CHASSIS COULISSANTS ANTI-CAMBRIOLAGE**
[72] ZAFEIROPOULOS, GRIGORIOS, GR
[71] ZAFEIROPOULOS, GRIGORIOS, GR
[85] 2016-02-08
[86] 2013-08-08 (PCT/GR2013/000042)
[87] (WO2014/023983)
[30] GR (20120100417) 2012-08-09

[21] **2,920,752**
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**
[25] EN
[54] **SCREENING AND IDENTIFICATION OF RESISTANT MARKERS IN CRUSTACEAN**
[54] **CRIBLAGE ET IDENTIFICATION DE MARQUEURS RESISTANTS DANS UN CRUSTACE**
[72] NILSEN, FRANK, NO
[72] ESPEDAL, PER GUNNAR, NO
[71] PATOGEN ANALYSE AS, NO
[71] BERGEN TEKNOLOGIOVERFORING AS, NO
[85] 2016-02-05
[86] 2014-08-06 (PCT/EP2014/066898)
[87] (WO2015/018863)
[30] NO (20131073) 2013-08-06

[21] **2,920,753**
[13] A1

[51] **Int.Cl. B26D 3/02 (2006.01) B23F 1/06 (2006.01) B23F 15/00 (2006.01) F16H 1/32 (2006.01) F16H 55/17 (2006.01)**
[25] EN
[54] **INTERNAL BEVEL GEAR**
[54] **ENGRENAGE INTERIEUR CONIQUE**
[72] BOLZE, MARKUS J., US
[72] STADTFELD, HERMANN J., US
[71] THE GLEASON WORKS, US
[85] 2016-02-08
[86] 2014-08-27 (PCT/US2014/052848)
[87] (WO2015/038334)
[30] US (61/876,859) 2013-09-12

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[21] **2,920,754**
[13] A1

[51] **Int.Cl. C07D 239/94 (2006.01) A61K 31/517 (2006.01) A61K 31/5377 (2006.01) A61P 31/04 (2006.01) A61P 35/00 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 413/12 (2006.01) C07D 471/10 (2006.01)**

[25] EN

[54] **STYRYL QUINAZOLINE DERIVATIVES AS PHARMACEUTICALLY ACTIVE AGENTS**

[54] **DERIVES STYRYL QUINAZOLINE UTILISES COMME AGENTS PHARMACEUTIQUEMENT ACTIFS**

[72] BASKA, FERENC, HU
[72] KERI, GYORGY, HU
[72] ORFI, LASZLO, HU
[72] BANHEGYI, PETER, HU
[72] KEKESI, LASZLO, HU
[72] ZSAKAI, LILIAN, HU
[72] SIPOS, ANNA, HU
[72] SZANTAI-KIS, CSABA, HU
[72] DOBOS, JUDIT, HU
[72] DEN BLAAUWEN, TANNEKE, NL
[71] VICHEM CHEMIE KUTATO KFT., HU

[85] 2016-02-08
[86] 2014-08-07 (PCT/HU2014/000069)
[87] (WO2015/019121)
[30] HU (P1300477) 2013-08-09

[21] **2,920,755**
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 76/04 (2009.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MAINTAINING REACHABILITY OF A USER EQUIPMENT IN IDLE STATE**

[54] **PROCEDE ET APPAREIL PERMETTANT DE CONTINUER A ACCEDER A UN EQUIPEMENT D'UTILISATEUR EN VEILLE**

[72] KANAMARLAPUDI, SITARAMANJANEYULU, US
[72] HSU, LIANGCHI, US
[72] ATTAR, RASHID AHMED AKBAR, US

[72] VALLURU, GIRISH, US
[71] QUALCOMM INCORPORATED, US

[85] 2016-02-08
[86] 2014-09-02 (PCT/US2014/053737)
[87] (WO2015/034835)
[30] US (61/873,703) 2013-09-04
[30] US (14/231,023) 2014-03-31

[21] **2,920,756**
[13] A1

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

[25] EN

[54] **FOAMING OF SET-DELAYED CEMENT COMPOSITIONS COMPRISING PUMICE AND HYDRATED LIME**

[54] **MOUSSAGE DE COMPOSITIONS DE CIMENT A PRISE RETARDEE COMPRENANT DE LA PIERRE PONCE ET DE LA CHAUX HYDRATEE**

[72] AGAPIOU, KYRIACOS, US
[72] PISKLAK, THOMAS JASON, US
[72] LEWIS, SAMUEL J., US
[72] BOUL, PETER JAMES, US
[72] OTIENO, PAULINE AKINYI, US
[72] BROTHERS, LANCE EVERETT, US
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-08
[86] 2014-09-08 (PCT/US2014/054496)
[87] (WO2015/035280)
[30] US (61/875,410) 2013-09-09
[30] US (14/032,734) 2013-09-20

[21] **2,920,757**
[13] A1

[51] **Int.Cl. B62D 25/20 (2006.01)**

[25] EN

[54] **STRUCTURAL MEMBER FOR AUTOMOBILE BODY**

[54] **ELEMENT STRUCTUREL POUR CARROSSERIE D'AUTOMOBILE**

[72] NISHIMURA, RYUICHI, JP
[72] OTSUKA, KENICHIRO, JP
[72] ITO, YASUHIRO, JP
[72] NAKAZAWA, YOSHIKI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2016-02-08
[86] 2014-09-30 (PCT/JP2014/075975)
[87] (WO2015/053125)
[30] JP (2013-212071) 2013-10-09

[21] **2,920,758**
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/137 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS OF FINGOLIMOD**

[54] **COMPOSITIONS PHARMACEUTIQUES A BASE DE FINGOLIMOD**

[72] ALLURI, PAVAN KUMAR, IN
[72] MYLAMALA, SUBHASH CHANDRA BOSE, IN

[72] DONTIKA, NAGARAJU, IN
[72] THUMMISSETTY, MASTANAIH, IN
[72] KANDARAPU, RAGHUPATHI, IN
[72] RUDRARAJU, VARMA S., IN
[71] AIZANT DRUG RESEARCH SOLUTIONS PVT LTD, IN

[85] 2016-02-08
[86] 2013-12-10 (PCT/IB2013/060770)
[87] (WO2015/015254)
[30] IN (3368/CHE/2013) 2013-07-29

[21] **2,920,760**
[13] A1

[51] **Int.Cl. H04N 7/08 (2006.01) H04N 21/234 (2011.01)**

[25] EN

[54] **APPARATUS FOR TRANSMITTING BROADCAST SIGNALS, APPARATUS FOR RECEIVING BROADCAST SIGNALS, METHOD FOR TRANSMITTING BROADCAST SIGNALS AND METHOD FOR RECEIVING BROADCAST SIGNALS**

[54] **APPAREIL D'EMISSION DE SIGNAUX DE DIFFUSION, APPAREIL DE RECEPTION DE SIGNAUX DE DIFFUSION, PROCEDE D'EMISSION DE SIGNAUX DE DIFFUSION ET PROCEDE DE RECEPTION DE SIGNAUX DE DIFFUSION**

[72] KWON, WOOSUK, KR
[72] OH, SEJIN, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[72] MOON, KYOUNGSOO, KR
[71] LG ELECTRONICS INC., KR

[85] 2016-02-08
[86] 2014-08-19 (PCT/KR2014/007673)
[87] (WO2015/026132)
[30] US (61/867,163) 2013-08-19

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[21] **2,920,761**
[13] A1

[51] **Int.Cl. H02J 5/00 (2016.01)**
[25] EN
[54] **WIRELESS CHARGING DEVICE**
[54] **DISPOSITIF DE CHARGE SANS FIL**
[72] MANOVA-ELSSIBONY, ASAF, IL
[71] HUMAVOX LTD., IL
[85] 2016-02-08
[86] 2014-08-14 (PCT/IL2014/050729)
[87] (WO2015/022690)
[30] US (61/866,337) 2013-08-15
[30] US (62/006,209) 2014-06-01

[21] **2,920,763**
[13] A1

[51] **Int.Cl. A01K 29/00 (2006.01) A01K 13/00 (2006.01)**
[25] EN
[54] **ONE-PIECE ELEGANT VEST WITH SIDE JOINTS FOR PETS (ANIMALS) VELCRO JOINT AND FASTENING SYSTEM**
[54] **GILET ELEGANT MONOPIECE A FERMETURES LATERALES POUR ANIMAUX DE COMPAGNIE, SYSTEME DE FERMETURE ET DE FIXATION AVEC DU VELCRO**
[72] AGUILUZ ACEVES, ANTONIO JUAN IGNACIO, MX
[71] AGUILUZ ACEVES, ANTONIO JUAN IGNACIO, MX
[85] 2016-02-08
[86] 2014-11-27 (PCT/MX2014/000188)
[87] (WO2015/050427)
[30] MX (MX/u/2013/000492) 2013-10-02

[21] **2,920,764**
[13] A1

[51] **Int.Cl. C07D 301/02 (2006.01)**
[25] EN
[54] **GLYCIDOL PREPARATION**
[54] **PREPARATION DE GLYCIDOL**
[72] COLEMAN, FERGAL, GB
[72] HOLBREY, JOHN, GB
[72] SEDDON, KENNETH, GB
[72] ATKINS, MARTIN, GB
[72] DELAVOUX, YOAN, GB
[72] TOLAND, JENI, GB
[72] YAN, TING, GB
[71] THE QUEEN'S UNIVERSITY OF BELFAST, GB
[85] 2016-02-08
[86] 2014-08-08 (PCT/GB2014/052435)
[87] (WO2015/019108)
[30] GB (1314257.5) 2013-08-08
[30] GB (1314254.2) 2013-08-08
[30] GB (1314258.3) 2013-08-08

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[51] **Int.Cl. G01N 21/65 (2006.01) A61B 6/00 (2006.01) A61B 6/08 (2006.01) A61B 18/22 (2006.01) G01B 9/02 (2006.01) G01J 3/44 (2006.01) G02B 6/34 (2006.01)**
[25] EN
[54] **DIAGNOSTIC INSTRUMENT AND METHODS RELATING TO RAMAN SPECTROSCOPY**
[54] **INSTRUMENT DE DIAGNOSTIC ET PROCEDES SE RAPPORTANT A LA SPECTROSCOPIE RAMAN**
[72] HUANG, ZHIWEI, SG
[72] BERGHOLT, MAD S SYLVEST, SG
[72] ZHENG, WEI, SG
[72] HO, KHEK YU, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
[85] 2016-02-08
[86] 2013-08-16 (PCT/SG2013/000351)
[87] (WO2014/027967)
[30] US (61/683,761) 2012-08-16

[21] **2,920,766**
[13] A1

[51] **Int.Cl. A61F 13/00 (2006.01)**
[25] EN
[54] **DELIVERY OF MEDICANTS UNDER CONTINUOUS NEGATIVE PRESSURE DRESSING**
[54] **ADMINISTRATION DE MEDICAMENTS PAR PANSEMENT A PRESSION NEGATIVE CONTINUE**
[72] RODEHEAVER, GEORGE, US
[71] PLUROGEN THERAPEUTICS, INC., US
[85] 2016-02-08
[86] 2014-08-07 (PCT/US2014/050212)
[87] (WO2015/021319)
[30] US (61/863,160) 2013-08-07

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[13] A1

[51] **Int.Cl. F16L 55/00 (2006.01)**
[25] EN
[54] **DEVICE FOR WORK IMPLEMENTATION WITHOUT STOPPING FLOW, AND METHOD FOR WORK IMPLEMENTATION WITHOUT STOPPING FLOW**
[54] **DISPOSITIF DE FLUX ININTERROMPU ET PROCEDE DE CONSTRUCTION DE FLUX ININTERROMPU**
[72] SATO, YASUNARI, JP
[72] SHIMIZU, TOSHIHIKO, JP
[71] SUIKEN CO., LTD., JP
[85] 2016-02-08
[86] 2013-10-17 (PCT/JP2013/078177)
[87] (WO2015/056323)

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[13] A1

[51] **Int.Cl. G01F 1/58 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC FLOWMETER**
[54] **DEBITMETRE ELECTROMAGNETIQUE**
[72] IJIMA, TAKUYA, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[85] 2016-02-08
[86] 2014-01-15 (PCT/JP2014/050551)
[87] (WO2015/022783)
[30] JP (2013-167790) 2013-08-12

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[13] A1

[51] **Int.Cl. C05C 11/00 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR IMPROVING PLANT PERFORMANCE**
[54] **COMPOSES ET PROCEDES POUR AMELIORER DES PERFORMANCES D'UNE PLANTE**
[72] UNKEFER, PAT J., US
[71] LOS ALAMOS NATIONAL SECURITY, LLC, US
[85] 2016-02-08
[86] 2014-08-08 (PCT/US2014/050274)
[87] (WO2015/023522)
[30] US (61/866,681) 2013-08-16

[21] **2,920,771**
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 17/00 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **CONTENT DELIVERY METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE DISTRIBUTION DE CONTENU**
[72] NEWTON, CHRISTOPHER, US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2016-02-08
[86] 2014-08-08 (PCT/US2014/050324)
[87] (WO2015/021369)
[30] US (61/863,716) 2013-08-08
[30] US (14/454,608) 2014-08-07
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[30] US (14/454,615) 2014-08-07

[21] **2,920,772**
[13] A1

[51] **Int.Cl. H01M 8/02 (2016.01) H01M 4/86 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **MEMBRANE ELECTRODE ASSEMBLY WITH FRAME, FUEL CELL SINGLE CELL, AND FUEL CELL STACK**
[54] **ENSEMBLE D'ELECTRODES MEMBRANAIRE, UNITE DE PILE A COMBUSTIBLE ET EMPILEMENT DE PILE A COMBUSTIBLE**
[72] KAGEYAMA, KAZUHIRO, JP
[72] SUGINO, MANABU, JP
[72] YASUTAKE, AKIRA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2016-02-08
[86] 2014-06-17 (PCT/JP2014/066003)
[87] (WO2015/019714)
[30] JP (2013-165364) 2013-08-08

[21] **2,920,773**
[13] A1

[51] **Int.Cl. G01N 27/447 (2006.01)**
[25] EN
[54] **APPLICATOR COMB FOR GEL ELECTROPHORESIS**
[54] **PEIGNE D'APPLICATEUR POUR ELECTROPHORESE EN GEL**
[72] GUADAGNO, PHILIP, US
[71] HEALTH DIAGNOSTIC LABORATORY, INC., US
[71] GUADAGNO, PHILIP, US
[85] 2016-02-08
[86] 2014-08-08 (PCT/US2014/050397)
[87] (WO2015/021413)
[30] US (61/864,336) 2013-08-09
[30] US (61/979,795) 2014-04-15

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[13] A1

[51] **Int.Cl. H04B 10/80 (2013.01) H04B 10/077 (2013.01) H04L 12/70 (2013.01) H04L 12/751 (2013.01) H04J 14/02 (2006.01)**
[25] EN
[54] **OUT-OF-BAND MANAGEMENT OF FIBER OPTICS SYSTEMS AND DEVICES**
[54] **GESTION HORS BANDE DE SYSTEMES ET DISPOSITIFS A FIBRE OPTIQUE**
[72] PAREDES, SALVADOR E., US
[72] COPLEY, TIMOTHY I., US
[71] LEVEL 3 COMMUNICATIONS, LLC, US
[85] 2016-02-08
[86] 2014-08-08 (PCT/US2014/050404)
[87] (WO2015/021419)
[30] US (61/863,532) 2013-08-08
[30] US (61/892,092) 2013-10-17

[21] **2,920,775**
[13] A1

[51] **Int.Cl. H04N 7/025 (2006.01) H04N 5/91 (2006.01) H04N 5/92 (2006.01) H04N 7/01 (2006.01)**
[25] EN
[54] **REPRODUCTION DEVICE, REPRODUCTION METHOD, AND RECORDING MEDIUM**
[54] **DISPOSITIF DE REPRODUCTION, PROCEDE DE REPRODUCTION ET SUPPORT D'ENREGISTREMENT**
[72] UCHIMURA, KOUICHI, JP
[71] SONY CORPORATION, JP
[85] 2016-02-08
[86] 2014-08-07 (PCT/JP2014/070890)
[87] (WO2015/025726)
[30] JP (2013-170505) 2013-08-20

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[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 31/7088 (2006.01) A61K 31/712 (2006.01) A61K 47/48 (2006.01) A61P 21/00 (2006.01) C07H 21/02 (2006.01)**

[25] EN

[54] **COMPOUNDS AND METHODS FOR MODULATION OF DYSTROPHIA MYOTONICA-PROTEIN KINASE (DMPK) EXPRESSION**

[54] **COMPOSES ET PROCEDES POUR LA MODULATION DE L'EXPRESSION DE LA PROTEINE KINASE DE L'ATROPHIE MYOTONIQUE (DMPK)**

[72] PANDEY, SANJAY K., US

[72] MACLEOD, ROBERT A., US

[72] SWAYZE, ERIC E., US

[72] BENNETT, C. FRANK, US

[71] IONIS PHARMACEUTICALS, INC., US

[85] 2016-02-08

[86] 2014-08-11 (PCT/US2014/050481)

[87] (WO2015/021457)

[30] US (61/864,439) 2013-08-09

[30] US (61/889,337) 2013-10-10

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[13] A1

[51] **Int.Cl. D01F 8/14 (2006.01)**

[25] EN

[54] **ELASTIC MONOFILAMENT**

[54] **MONOFILAMENT ELASTIQUE**

[72] TANAKA, NOBUAKI, JP

[72] TSUCHIKURA, HIROSHI, JP

[72] NAKAMURA, KOTA, JP

[72] SAKAI, HIDETOSHI, JP

[72] RYOMOTO, TAKUYA, JP

[71] TORAY INDUSTRIES, INC., JP

[71] TORAY MONOFILAMENT CO., LTD., JP

[85] 2016-02-08

[86] 2014-08-07 (PCT/JP2014/070923)

[87] (WO2015/020163)

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[13] A1

[51] **Int.Cl. B32B 7/06 (2006.01) B32B 7/12 (2006.01) B32B 25/04 (2006.01) B32B 27/00 (2006.01) B32B 27/30 (2006.01) C09J 7/02 (2006.01)**

[25] EN

[54] **PEEL AND STICK ROOFING MEMBRANES WITH CURED PRESSURE-SENSITIVE ADHESIVES**

[54] **MEMBRANES DE TOITURE A PELAGE ET COLLAGE DOTEES D'ADHESIFS SENSIBLES A LA PRESSION RETICULES**

[72] TANG, JIANGSHENG, US

[72] HUBBARD, MICHAEL J., US

[71] FIRESTONE BUILDING PRODUCTS CO., LLC, US

[85] 2016-02-08

[86] 2014-09-18 (PCT/US2014/056295)

[87] (WO2015/042258)

[30] US (61/879,358) 2013-09-18

[30] US (61/983,738) 2014-04-24

[21] **2,920,783**
[13] A1

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

[25] EN

[54] **CEMENT SET ACTIVATORS FOR SET-DELAYED CEMENT COMPOSITIONS AND ASSOCIATED METHODS**

[54] **ACTIVATEURS DE PRISE DE CIMENT POUR COMPOSITIONS DE CIMENT A PRISE RETARDEE ET PROCEDES ASSOCIES**

[72] BOUL, PETER JAMES, US

[72] PISKLAK, THOMAS JASON, US

[72] LEWIS, SAMUEL J., US

[72] AGAPIOU, KYRIACOS, US

[72] BROTHERS, LANCE EVERETT, US

[72] OTIENO, PAULINE AKINYI, US

[72] MORGAN, RONNIE GLEN, US

[72] ADAMS, BAYA, US

[72] HARRIS, CODY GLENN, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-08

[86] 2014-09-08 (PCT/US2014/054497)

[87] (WO2015/035281)

[30] US (61/875,233) 2013-09-09

[30] US (14/090,494) 2013-11-26

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[13] A1

[51] **Int.Cl. B22F 1/00 (2006.01) C22C 1/04 (2006.01) C22C 1/10 (2006.01) C22C 32/00 (2006.01) H01M 8/02 (2016.01)**

[25] EN

[54] **POWDER METALLURGICAL COMPONENT**

[54] **PIECE OBTENUE SELON LA METALLURGIE DES POUDRES**

[72] O'SULLIVAN, MICHAEL, AT

[72] SIGL, LORENZ, AT

[72] BRANDNER, MARCO, DE

[72] VENSKUTONIS, ANDREAS, AT

[72] KRAUSSLER, WOLFGANG, AT

[71] PLANSEE SE, AT

[85] 2016-02-09

[86] 2014-08-19 (PCT/AT2014/000161)

[87] (WO2015/027257)

[30] AT (GM 280/2013) 2013-09-02

[21] **2,920,786**
[13] A1

[51] **Int.Cl. A47J 43/046 (2006.01) A47J 43/07 (2006.01) B01F 13/04 (2006.01)**

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[54] **BLENDER**

[54] **MELANGEUR**

[72] SAPIRE, COLIN, US

[71] CAPBRAN HOLDINGS, LLC, US

[85] 2016-02-08

[86] 2014-10-06 (PCT/US2014/059345)

[87] (WO2015/054153)

[30] US (14/047,954) 2013-10-07

[30] US (14/507,180) 2014-10-06

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[13] A1

[51] **Int.Cl. E05B 63/00 (2006.01)**

[25] EN

[54] **INTERCONNECTED LOCK WITH ADJUSTABLE DEADBOLT TO LATCHBOLT SPACING**

[54] **SERRURE INTERCONNECTEE A ESPACEMENT REGLABLE ENTRE UN PENE DORMANT ET UN PENE DEMI-TOUR**

[72] FARIAS, PAVEL, US

[72] KREHEL, GREGG, US

[71] SARGENT MANUFACTURING COMPANY, US

[85] 2016-02-08

[86] 2014-10-10 (PCT/US2014/060007)

[87] (WO2015/057503)

[30] US (61/890,372) 2013-10-14

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[13] A1

[51] **Int.Cl. G01N 33/487 (2006.01)**
[25] EN
[54] **ANALYTICAL TEST STRIP HAVING CANTILEVERED CONTACTS**
[54] **BATONNET DIAGNOSTIQUE ANALYTIQUE AYANT DES CONTACTS EN PORTE-A-FAUX**
[72] SETFORD, STEVEN, GB
[71] CILAG GMBH INTERNATIONAL, CH
[85] 2016-02-09
[86] 2014-08-15 (PCT/EP2014/067516)
[87] (WO2015/022431)
[30] US (13/968,975) 2013-08-16

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[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4545 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **SELECTIVELY SUBSTITUTED QUINOLINE COMPOUNDS**
[54] **COMPOSES DE QUINOLEINE SUBSTITUES DE MANIERE SELECTIVE**
[72] HAWKINS, LYNN, US
[72] BOIVIN, ROCH, US
[72] HANSEN, HANS, US
[72] ISHIZAKA, SALLY, US
[72] MACKEY, MATTHEW, US
[72] SCHILLER, SHAWN, US
[72] OGAWA, CHIKAKO, CH
[72] NARAYAN, SRIDHAR, US
[72] BERTINATO, PETER, US
[72] BERGER, GREGORY, US
[72] ENDO, ATSUSHI, US
[72] YU, ROBERT T., US
[71] EISAI R&D MANAGEMENT CO., LTD., JP
[85] 2016-02-08
[86] 2014-10-14 (PCT/US2014/060412)
[87] (WO2015/057655)
[30] US (61/890,858) 2013-10-14

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[51] **Int.Cl. C09K 8/26 (2006.01) C09K 8/28 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **THERMAL THICKENING IN INVERT EMULSION TREATMENT FLUIDS**
[54] **EPAISSISSEMENT THERMIQUE DANS DES FLUIDES DE TRAITEMENT EN EMULSION INVERSE**
[72] LIVANEC, PHILIP WAYNE, US
[72] DEVILLE, JAY PAUL, US
[72] DAVIS, CHESNEE LAE, US
[72] WALKER, JONATHAN PAUL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-08
[86] 2014-05-17 (PCT/US2014/038515)
[87] (WO2015/178874)

[21] **2,920,793**
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[51] **Int.Cl. B65H 54/20 (2006.01) B65H 54/28 (2006.01) B65H 54/72 (2006.01) B65H 54/74 (2006.01)**
[25] EN
[54] **MICRODUCT-TUBE WINDER, DOUBLE STATION WINDER, PROCESSING SYSTEM FOR EMPTY PLASTICS MICRODUCT TUBES AND METHOD FOR WINDING UP SUCH TUBES**
[54] **ENROULEUR DE TUYAUX MICRO-CONDUITS, ENROULEUR A DEUX POSTES, SYSTEME DE TRAITEMENT DE TUYAUX MICRO-CONDUITS VIDES EN MATIERE PLASTIQUE ET PROCEDE PERMETTANT D'ENROULER LESDITS TUYAUX**
[72] HOFHUS, MICHAEL, DE
[72] RUDIGER, MARTIN, DE
[72] GRAEWE, MICHAEL, DE
[72] PRECHSL, DOMINIK, DE
[72] GRAEWE, STEFAN, DE
[71] KRAUSSMAFFEI TECHNOLOGIES GMBH, DE
[85] 2016-02-09
[86] 2014-08-20 (PCT/EP2014/067732)
[87] (WO2015/024962)
[30] DE (10 2013 109 056.7) 2013-08-21

[21] **2,920,794**
[13] A1

[51] **Int.Cl. B41M 5/00 (2006.01) B41M 7/00 (2006.01) C09D 11/00 (2014.01) B44C 5/04 (2006.01)**
[25] EN
[54] **MANUFACTURING OF DECORATIVE SURFACES BY INKJET**
[54] **FABRICATION DE SURFACES DECORATIVES PAR JET D'ENCRE**
[72] TORFS, RITA, BE
[72] VAN BAELEN, GITTE, BE
[71] AGFA GRAPHICS NV, BE
[85] 2016-02-09
[86] 2014-10-14 (PCT/EP2014/072005)
[87] (WO2015/059002)
[30] EP (13189670.6) 2013-10-22

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[13] A1

[51] **Int.Cl. H04N 21/84 (2011.01) G10L 13/08 (2013.01)**
[25] EN
[54] **VIDEO TO DATA**
[54] **SYNTHESE DE DONNEES A PARTIR DE VIDEO**
[72] LAKHANI, NAEEM, GB
[72] SMITH, BARTLETT WADE, US
[72] TALLEY, ALLISON A., US
[71] CELLULAR SOUTH, INC DBA C SPIRE WIRE WIRELESS, US
[85] 2016-02-08
[86] 2015-02-07 (PCT/US2015/014940)
[87] (WO2015/120351)
[30] US (14/175,741) 2014-02-07
[30] US (62/021,666) 2014-07-07

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[51] Int.Cl. B60R 25/25 (2013.01) B60R 25/045 (2013.01) B60K 28/06 (2006.01)	[51] Int.Cl. A24F 47/00 (2006.01) A61M 15/06 (2006.01) H05B 3/80 (2006.01) A24B 15/16 (2006.01) A61M 11/04 (2006.01)	[51] Int.Cl. G01M 3/28 (2006.01) B29C 65/00 (2006.01) B29C 65/34 (2006.01) F16L 47/03 (2006.01)
[25] EN	[25] EN	[25] EN
[54] SYSTEMS AND METHODS FOR CONTROLLING VEHICLE IGNITION USING BIOMETRIC DATA	[54] APPARATUS AND METHOD FOR CONTROLLING ELECTRIC VAPORIZER	[54] PIPE FITTINGS ALLOWING NON-DESTRUCTIVE PRESSURE TESTING OF INTEGRITY OF SEALS
[54] SYSTEMES ET PROCEDES POUR COMMANDER UN ALLUMAGE DE VEHICULE A L'AIDE DE DONNEES BIOMETRIQUES	[54] APPAREIL ET PROCEDE DE COMMANDE D'UN VAPORISATEUR ELECTRIQUE	[54] RACCORDS DE TUYAUX PERMETTANT LE TEST DE PRESSION NON DESTRUCTIF DE L'INTEGRITE DES JOINTS D'ETANCHEITE
[72] TODD, GILBERT A., US	[72] KANANEN, MIKA, FI	[72] MENCOS, RUBEN ADOLFO, IS
[72] NAGOLU, CHAKRAVARTHI M., US	[71] PIXAN OY, FI	[71] PROPER PIPE EHF., IS
[71] AUTOMOTIVE COALITION FOR TRAFFIC SAFETY, INC., US	[85] 2016-02-09	[71] MENCOS, RUBEN ADOLFO, IS
[85] 2016-02-08	[86] 2014-08-14 (PCT/FI2014/050624)	[85] 2016-02-05
[86] 2014-06-26 (PCT/US2014/044350)	[87] (WO2015/022448)	[86] 2014-08-08 (PCT/IS2014/050007)
[87] (WO2015/030920)	[30] FI (20135829) 2013-08-14	[87] (WO2015/019367)
[30] US (61/870,384) 2013-08-27		[30] IS (050059) 2013-08-08
[30] US (14/315,631) 2014-06-26	[21] 2,920,799 [13] A1	[21] 2,920,801 [13] A1
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	[25] EN	[25] EN
	[54] RESPIRATORY THERAPY APPARATUS AND METHODS	[54] PREDISTORTION IN SATELLITE SIGNAL TRANSMISSION SYSTEMS
	[54] APPAREIL ET METHODES DE THERAPIE RESPIRATOIRE	[54] PREACCENTUATION DANS LES SYSTEMES D'EMISSION DE SIGNAUX PAR SATELLITE
	[72] KHASAWNEH, MOHAMMAD QASSIM MOHAMMAD, GB	[72] ABOUELENIN, AHMED, GB
	[72] SAGOO, JEEVAN, GB	[71] UNIVERSITY OF SURREY, GB
	[72] VARNEY, MARK SINCLAIR, GB	[85] 2016-02-09
	[71] SMITHS MEDICAL INTERNATIONAL LIMITED, GB	[86] 2014-08-06 (PCT/GB2014/052414)
	[85] 2016-02-09	[87] (WO2015/019091)
	[86] 2014-07-31 (PCT/GB2014/000298)	[30] GB (1314336.7) 2013-08-09
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	[30] GB (1316223.5) 2013-09-12	
[21] 2,920,797 [13] A1		
[51] Int.Cl. C07D 491/048 (2006.01) A61K 31/496 (2006.01) A61P 19/00 (2006.01)		
[25] EN		
[54] FORM 2 CRYSTALLINE POLYMORPH OF A SALT OF N-[1-6-(ETHYNYL-3-OXO-HEXAHYDRO-FURO[3,2-B]PYRROLE-4-CARBONYL)-3-METHYL-BUTYL]-4-[5-FLUORO-2-(4-METHYL-PIPERAZINYL)THIAZOL-4-YL]-BENZAMIDE USEFUL AS CYSTEINE PROTEASE INHIBITOR		
[54] FORME CRISTALLINE POLYMORPHE 2 D'UN SEL DE N-[1-6-(ETHYNYL-3-OXO-HEXAHYDROFURO[3,2-B]PYRROLE-4-CARBONYL)-3-METHYLBUTYL]-4-[5-FLUORO-2-(4-METHYLPYPERAZINYL)THIAZOL-4-YL]BENZAMIDE UTILE COMME INHIBITEUR DE PROTEASES A CYSTEINE		
[72] GRABOWSKA, URSZULA, GB		
[72] SALVADORE-ODEN, LOURDES, SE		
[72] DIAZ PEREZ, VICTOR M., GB		
[72] CARR, ANDREW, GB		
[71] MEDIVIR AB, SE		
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[87] (WO2015/022385)		
[30] GB (1314503.2) 2013-08-13		

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[25] EN	[25] EN	[25] EN
[54] SUPPLY AUTHENTICATION VIA TIMING CHALLENGE RESPONSE	[54] SECTION OF STAIRLIFT GUIDE RAIL AND KIT	[54] ACCUMULATION CONTROL
[54] VERIFICATION DE L'AUTHEMATICITE PAR L'INTERMEDIAIRE D'UNE REPOSE A UNE INTERROGATION DE SYNCHRONISATION	[54] SEGMENT DE RAIL DE GUIDAGE DE MONTE-ESCALIER ET KIT ASSOCIE	[54] COMMANDE D'ACCUMULATEUR
[72] WARD, JEFFERSON P, US	[72] HORTON, ROBERT GEORGE, GB	[72] NEISER, RAYMOND R., US
[72] PANSHIN, STEPHEN D, US	[71] ISLAND MOBILITY LTD, GB	[72] JOHNSON, JASON A., US
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US	[85] 2016-02-09	[72] RESNICK, BRIAN J., US
[85] 2016-02-09	[86] 2014-09-23 (PCT/GB2014/052891)	[72] ANDERSON, CHRISTOPHER SCOTT, US
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		[72] KERNS, RICHARD L., US
		[71] INTELLIGRATED HEADQUARTERS LLC, US
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	[54] SYSTEME DE CIMENTATION A CIRCULATION INVERSEE DESTINE A LA CIMENTATION D'UNE CHEMISE	[30] US (61/754,971) 2013-01-22
	[72] SEVADJIAN, EMILE, US	
	[72] KOHN, GARY, US	[21] 2,920,807 [13] A1
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	[72] NOFFKE, RICHARD, US	[25] EN
	[72] HARTMAN, GRANT, US	[54] METHOD FOR CONTROLLING AN ARTIFICIAL ORTHOTIC OR PROSTHETIC KNEE JOINT
	[72] MADDUX, STEPHEN, US	[54] PROCEDE DE COMMANDE D'UNE ARTICULATION ARTIFICIELLE D'UNE ORTHESE OU D'UNE PROTHESE DU GENOU
	[72] DAIGLE, ODEE, US	[72] AUBERGER, ROLAND, AT
	[72] HUMPHREY, RYAN, US	[72] SEYR, MARTIN, AT
	[72] MATUS, DAVID, US	[72] SEIFERT, DIRK, AT
	[71] HALLIBURTON ENERGY SERVICES, INC., US	[72] MANDL, CLEMENS, AT
	[85] 2016-02-09	[72] VAN VLIET, JOHANNIS WILLEM, AT
	[86] 2013-10-09 (PCT/US2013/064018)	[72] KAMPAS, PHILIPP, AT
	[87] (WO2015/038171)	[72] DIETL, HANS, AT
	[30] US (PCT/US2013/059324) 2013-09-11	[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT
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[54] FLUIDES DE FORAGE A BASE D'UNE EMULSION INVERSE UTILISANT UNE FUMEE DE SILICE ET PROCEDES DE FORAGE DE TROUS DE SONDAGE		
[72] WAGLE, VIKRANT BHAVANISHANKAR, IN		
[72] KULKARNI, DHANASHREE GAJANAN, IN		
[72] MAGHRABI, SHADAAB SYED, IN		
[71] HALLIBURTON ENERGY SERVICES, INC., US		
[85] 2016-02-09		
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[87] (WO2015/047210)		

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[54] **ACCUMULATION CONTROL**
[54] **GESTION D'ACCUMULATION**
[72] NEISER, RAYMOND R., US
[72] JOHNSON, JASON A., US
[72] RESNICK, BRIAN J., US
[72] ANDERSON, CHRISTOPHER S., US
[72] KLUEBER, KEVIN L., US
[72] TURNER, JEFFREY A., US
[72] WICKS, MATTHEW R., US
[71] INTELLIGRATED
HEADQUARTERS, LLC, US
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[51] **Int.Cl. B65D 35/44 (2006.01) B65D 51/22 (2006.01)**
[25] FR
[54] **CAP FOR A RECEPTACLE AND RECEPTACLE, IN PARTICULAR TUBE, IN PARTICULAR FLEXIBLE TUBE FOR A COSMETIC PRODUCT, PROVIDED WITH SAID CAP**
[54] **BOUCHON POUR RECEPTACLE ET RECEPTACLE, NOTAMMENT TUBE, EN PARTICULIER TUBE SOUPLE POUR PRODUIT COSMETIQUE, MUNI DUDIT BOUCHON**
[72] KERMAN, ERIC, FR
[72] HERMANT, ETIENNE, FR
[72] MAURICE, THIERRY, FR
[71] ALBEA SERVICES, FR
[85] 2016-02-09
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[25] EN
[54] **AIR ENTRAINING AGENT FOR MINERAL BINDER COMPOSITIONS**
[54] **AGENT ENTRAINEUR D'AIR POUR COMPOSITIONS DE LIANT MINERAL**
[72] BURGE, CHRISTIAN, CH
[72] WOMBACHER, FRANZ, CH
[72] KURZ, CHRISTOPHE, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2016-02-09
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[54] **MEDICAMENT COMPRISING A PHARMACEUTICAL COMBINATION OF DOLUTEGRAVIR, EMTRICITABINE AND TENOFOVIR**
[54] **MEDICAMENT COMPRENANT UNE ASSOCIATION PHARMACEUTIQUE DE DOLUTEGRAVIR, D'EMTRICITABINE ET DE TENOFOVIR**
[72] RENNER, JUERGEN, DE
[71] RATIOPHARM GMBH, DE
[85] 2016-02-09
[86] 2014-08-13 (PCT/EP2014/067305)
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[54] **AGROCHEMICAL FORMULATIONS WITH IMPROVED DRIFT CONTROL**
[54] **FORMULATIONS AGROCHIMIQUES PERMETTANT DE MIEUX LUTTER CONTRE LA DERIVE**
[72] LANGELLA, VALENTINA, IT
[72] RICCABONI, MAURO, IT
[72] QUAGLIA, FILIPPO, IT
[72] FLORIDI, GIOVANNI, IT
[72] LI BASSI, GIUSEPPE, IT
[71] LAMBERTI SPA, IT
[85] 2016-02-09
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[54] **END-HALL ION SOURCE WITH ENHANCED RADIATION COOLING**
[54] **SOURCE D'IONS A EFFET HALL PRESENTANT UN MEILLEUR REFROIDISSEMENT PAR RAYONNEMENT**
[72] KAUFMAN, HAROLD R., US
[72] KAHN, JAMES R., US
[72] NETHERY, RICHARD E., US
[71] KAUFMAN & ROBINSON, INC., US
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[54] **MODIFIED MICROORGANISM FOR IMPROVED PRODUCTION OF ALANINE**

[54] **MICRO-ORGANISME MODIFIE POUR PRODUCTION AMELIOREE D'ALANINE**

[72] KRAWCZYK, JOANNA MARTYNA, DE

[72] HAEFNER, STEFAN, DE

[72] SCHRODER, HARTWIG, DE

[72] ZELDER, OSKAR, DE

[72] FABARIUS, JONATHAN THOMAS, DE

[71] BASF SE, DE

[85] 2016-02-09

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[25] EN

[54] **INHIBITORS OF PLASMA KALLIKREIN**

[54] **INHIBITEURS DE LA KALLICREINE PLASMATIQUE**

[72] EDWARDS, HANNAH JOY, GB

[72] EVANS, DAVID MICHAEL, GB

[72] MEGHANI, PREMJI, GB

[72] NOVAK, ANDREW RICHARD, GB

[71] KALVISTA PHARMACEUTICALS LIMITED, GB

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[87] (WO2015/022546)

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[54] **FREQUENCY BAND TABLE DESIGN FOR HIGH FREQUENCY RECONSTRUCTION ALGORITHMS**

[54] **CONCEPT DE TABLE DE BANDE DE FREQUENCE POUR DES ALGORITHMES DE RECONSTRUCTION HAUTE FREQUENCE**

[72] EKSTRAND, PER, SE

[72] KJOERLING, KRISTOFER, SE

[71] DOLBY INTERNATIONAL AB, NL

[85] 2016-02-09

[86] 2014-08-11 (PCT/EP2014/067168)

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[54] **BICYCLIC INHIBITORS**

[54] **INHIBITEURS BICYCLIQUES**

[72] EDWARDS, HANNAH JOY, GB

[72] EVANS, DAVID MICHAEL, GB

[72] DAVIE, REBECCA LOUISE, GB

[72] ROOKER, DAVID PHILIP, GB

[72] HEWISON, STEVEN JOHN, GB

[71] KALVISTA PHARMACEUTICALS LIMITED, GB

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[30] US (61/865,696) 2013-08-14

[21] **2,920,818**
[13] A1

[51] **Int.Cl. C07D 231/12 (2006.01) A61K 31/137 (2006.01) A61K 31/195 (2006.01) A61K 31/415 (2006.01) A61P 5/18 (2006.01) A61P 13/12 (2006.01) C07C 211/30 (2006.01) C07C 217/48 (2006.01) C07C 217/58 (2006.01) C07C 227/18 (2006.01) C07C 229/34 (2006.01) C07C 229/38 (2006.01) C07C 317/32 (2006.01) C07D 207/06 (2006.01) C07D 295/135 (2006.01)**

[25] EN

[54] **SUBSTITUTED NAPHTHALENE COMPOUNDS AS CALCIUM SENSING RECEPTOR MODULATORS**

[54] **COMPOSES DE NAPHTHALENE SUBSTITUE EN TANT QUE MODULATEURS DU RECEPTEUR DE DETECTION DE CALCIUM**

[72] NAIR, PRATHAP SREEDHARAN, IN

[72] GUDADE, GANESH BHUSAHEB, IN

[72] TRYAMBAKE, MAHADEO BHASKAR, IN

[72] PAWAR, CHETAN SANJAY, IN

[72] KULKARNI, SANJEEV ANANT, IN

[72] PALLE, VENKATA P., IN

[72] KAMBOJ, RAJENDER KUMAR, IN

[71] LUPIN LIMITED, IN

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[30] IN (2815/MUM/2013) 2013-08-28

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[21] **2,920,819**
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[51] **Int.Cl. A61K 35/74 (2015.01) A61K 8/99 (2006.01) A61L 15/36 (2006.01) A61P 15/02 (2006.01) A61P 31/10 (2006.01)**

[25] EN

[54] **STRAIN OF LACTOBACILLUS PENTOSUS AS PROBIOTIC**

[54] **SOUCHE DE LACTOBACILLUS PENTOSUS COMME PROBIOTIQUE**

[72] ESPADALER MAZO, JORDI, ES

[72] LOSADA DIAZ, MIGUEL ANGEL, ES

[71] GYNEA LABORATORIOS, S.L., ES

[85] 2016-02-09

[86] 2014-08-11 (PCT/EP2014/067177)

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[25] EN

[54] **LIGHT EMITTING ELEMENT AND METHOD FOR MANUFACTURING LIGHT EMITTING ELEMENT**

[54] **ELEMENT EMETTEUR DE LUMIERE ET PROCEDE POUR FABRIQUER UN ELEMENT EMETTEUR DE LUMIERE**

[72] FUKUDA, MAKI, JP

[72] NISHIMURA, SUZUSHI, JP

[72] TORIYAMA, SHIGETAKA, JP

[72] SEKI, TAKASHI, JP

[71] JX NIPPON OIL & ENERGY CORPORATION, JP

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[86] 2014-08-11 (PCT/JP2014/071142)

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[54] **PRIMER COMPOSITION**

[54] **COMPOSITION D'APPRET**

[72] YAMAUCHI, SHIGERU, JP

[72] KIDO, TAKANORI, JP

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

[85] 2016-02-09

[86] 2014-08-11 (PCT/JP2014/071206)

[87] (WO2015/022942)

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[54] **CONTROL UNIT FOR A MEDICAL DEVICE**

[54] **UNITE DE COMMANDE POUR UN DISPOSITIF MEDICAL**

[72] SHOLEV, MORDEHAI, IL

[71] HUMAN EXTENSIONS LTD., IL

[85] 2016-02-09

[86] 2014-09-01 (PCT/IL2014/050781)

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[13] A1

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[54] **OBJECT DETECTION APPARATUS, OBJECT DETECTION METHOD, AND OBJECT DETECTION SYSTEM**

[54] **DISPOSITIF, PROCEDE ET SYSTEME DE DETECTION D'OBJET**

[72] KUMENO, HIROYUKI, JP

[72] OKAMOTO, YUJI, JP

[72] MURAI, YUICHI, JP

[72] OISHI, YOSHIHIKO, JP

[72] TASAKA, YUJI, JP

[71] NEC CORPORATION, JP

[71] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP

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[87] (WO2015/041081)

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[13] A1

[51] **Int.Cl. H04N 21/234 (2011.01) H04N 21/2381 (2011.01) H04N 19/00 (2014.01)**

[25] EN

[54] **METHOD AND DEVICE FOR TRANSMITTING/RECEIVING BROADCAST SIGNAL**

[54] **PROCEDE ET DISPOSITIF D'EMISSION/RECEPTION D'UN SIGNAL DE DIFFUSION**

[72] KWON, WOOSUK, KR

[72] OH, SEJIN, KR

[72] MOON, KYOUNGSOO, KR

[71] LG ELECTRONICS INC., KR

[85] 2016-02-09

[86] 2015-03-11 (PCT/KR2015/002363)

[87] (WO2015/137727)

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[21] **2,920,826**
[13] A1

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[54] **PRESSURE-RELEASE SEALING CAP**

[54] **CAPUCHON D'ETANCHEITE A LIBERATION DE PRESSION**

[72] KISHORE KUMAR, OTRA

NARASIMHALU, IN

[72] PARTHASAARATHY, GAJENDRAN, IN

[72] MANOHAR REDDY, ILU, IN

[72] KUMARESAN, NARAYANASWAMY, IN

[71] SUNDRAM FASTENERS LIMITED, IN

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[13] A1

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[54] **FEED WAGON**

[54] **CHARIOT A ALIMENTS**

[72] VAN DEN BERG, KAREL, NL

[72] PASTOOR, JAN LAMBERTUS, NL

[72] SIE, HOWARD, NL

[72] HUYZER, ARIE, NL

[72] VAN KUILENBURG, JAN MARTINUS, NL

[71] LELY PATENT N.V., NL

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[13] A1

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[25] EN

[54] **A MOUNTING DEVICE FOR A DRUM IN A SHAFT OF A BRUSH ROLLER AND A DRUM SEGMENT, A DRUM AND A BRUSH ROLLER**

[54] **DISPOSITIF DE MONTAGE POUR CYLINDRE DANS UNE TIGE D'UNE BROSSE A ROULEAU ET SEGMENT DE CYLINDRE, CYLINDRE ET BROSSE A ROULEAU**

[72] DAHLBERG, CECIL, SE

[71] SVENSKA INDUSTRIBORSTAR I VASTERAS AB, SE

[85] 2016-02-09

[86] 2014-09-15 (PCT/SE2014/051060)

[87] (WO2015/041590)

[30] SE (1351078-9) 2013-09-19

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[25] EN

[54] **HYDROGEN-CONTAINING ANTIMICROBIAL AGENT**

[54] **AGENT ANTIMICROBIEN COMPRENANT DE L'HYDROGENE**

[72] NASU, YOSHIYUKI, JP

[72] FURUHASHI, SUSUMU, JP

[71] SHARE-X CO., LTD., JP

[71] NASU, YOSHIYUKI, JP

[85] 2016-02-09

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[25] EN

[54] **CATALYST PARTICLE, AND ELECTRODE CATALYST, ELECTROLYTE MEMBRANE-ELECTRODE ASSEMBLY, AND FUEL CELL USING THE SAME**

[54] **PARTICULES DE CATALYSEUR, ET ELECTROCATALYSEUR, ENSEMBLE MEMBRANE-ELECTRODE D'ELECTROLYTE, ET PILE A COMBUSTIBLE UTILISANT DE TELLES PARTICULES DE CATALYSEUR**

[72] ARIHARA, KAZUKI, JP

[72] TANAKA, HIROYUKI, JP

[72] MITSUMOTO, HISASHI, JP

[72] KAITO, TAKAHIRO, JP

[72] SUGAWARA, SEIHO, JP

[72] OHWAKI, TSUKURU, JP

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

[85] 2016-02-09

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[30] JP (2014-119859) 2014-06-10

[30] JP (2014-122812) 2014-06-13

[30] JP (2014-122819) 2014-06-13

[21] **2,920,834**
[13] A1

[51] **Int.Cl. H04N 19/17 (2014.01) G06K 9/32 (2006.01)**

[25] EN

[54] **LEGIBILITY ENHANCEMENT FOR A LOGO, TEXT OR OTHER REGION OF INTEREST IN VIDEO**

[54] **AMELIORATION DE LA LISIBILITE D'UN LOGO, D'UN TEXTE OU D'UNE AUTRE REGION PRESENTANT UN INTERET DANS UNE VIDEO**

[72] MCCARTHY, SEAN T, US

[71] ARRIS ENTERPRISES, INC., US

[85] 2016-02-09

[86] 2014-03-07 (PCT/US2014/022150)

[87] (WO2014/150083)

[30] US (61/786,340) 2013-03-15

[30] US (13/975,839) 2013-08-26

[21] **2,920,835**
[13] A1

[51] **Int.Cl. A61J 1/20 (2006.01) A61M 5/178 (2006.01)**

[25] EN

[54] **SYRINGE FILL SYSTEM AND METHOD**

[54] **SYSTEME DE REMPLISSAGE DE SERINGUE ET PROCEDE ASSOCIE**

[72] DAVIDIAN, DANIEL K., US

[72] NEWNAM, SCOTT G., US

[72] NICHOLS, ELI B., US

[72] MOSLER, THEODORE J., US

[71] ANUTRA MEDICAL, INC., US

[85] 2016-02-09

[86] 2014-06-06 (PCT/US2014/041389)

[87] (WO2015/026423)

[30] US (61/867,645) 2013-08-20

[30] US (61/923,918) 2014-01-06

[21] **2,920,836**
[13] A1

[51] **Int.Cl. F42B 6/06 (2006.01)**

[25] EN

[54] **LIGHTED NOCK**

[54] **ENCOCHE ECLAIREE**

[72] BAY, LARRY R., US

[71] CLEAN-SHOT ARCHERY, INC., US

[85] 2016-02-09

[86] 2014-07-07 (PCT/US2014/045566)

[87] (WO2015/013020)

[30] US (61/843,712) 2013-07-08

[30] US (14/176,829) 2014-02-10

[21] **2,920,837**
[13] A1

[51] **Int.Cl. C09K 3/14 (2006.01) B24B 37/04 (2012.01)**

[25] EN

[54] **LAPPING SLURRY HAVING A CATIONIC SURFACTANT**

[54] **SUSPENSION EPAISSE A RODER CONTENANT UN TENSIOACTIF CATIONIQUE**

[72] JI, SHUANG, US

[71] DIAMOND INNOVATIONS, INC., US

[85] 2016-02-09

[86] 2014-07-24 (PCT/US2014/047980)

[87] (WO2015/026477)

[30] US (13/974,588) 2013-08-23

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[21] **2,920,839**
[13] A1

[51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/37 (2006.01) A61K 8/49 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **SKIN CARE COMPOSITIONS HAVING CYCLIC DIESTERS AND METHODS THEREOF**

[54] **COMPOSITIONS DE SOINS POUR LA PEAU COMPRENANT DES DIESTERS CYCLIQUES ET METHODES ASSOCIEES**

[72] CAHILL, WILLIAM R., JR., US

[72] REISACK, JESSICA LINDA, US

[72] BURCH, ROBERT RAY, US

[72] ALTLAND, JENNIFER MARIE, US

[72] HORSAGER, JEFFREY JON, US

[71] THE CHEMOURS COMPANY FC, LLC, US

[85] 2016-02-09

[86] 2014-08-08 (PCT/US2014/050311)

[87] (WO2015/021364)

[30] US (61/864,172) 2013-08-09

[21] **2,920,840**
[13] A1

[51] **Int.Cl. G02B 6/036 (2006.01) G02B 6/44 (2006.01)**

[25] EN

[54] **ARMORED OPTICAL FIBER CABLE**

[54] **CABLE A FIBRES OPTIQUES ARME**

[72] SANDATE AGUILAR, MARIO SERGIO, MX

[72] GIMBLET, MICHAEL JOHN, US

[72] GREENWOOD, JULIAN LATELLE, III, US

[72] MCALPINE, WARREN WELBORN, US

[71] CORNING OPTICAL COMMUNICATIONS LLC, US

[85] 2016-02-09

[86] 2014-08-04 (PCT/US2014/049522)

[87] (WO2015/020924)

[30] US (61/864,104) 2013-08-09

[30] US (14/099,921) 2013-12-07

[30] US (14/315,872) 2014-06-26

[21] **2,920,842**
[13] A1

[51] **Int.Cl. H01R 9/05 (2006.01) H01R 43/04 (2006.01)**

[25] EN

[54] **POST-LESS COAXIAL CABLE CONNECTOR WITH FORMABLE OUTER CONDUCTOR**

[54] **CONNECTEUR DE CABLE COAXIAL SANS MONTANT AVEC CONDUCTEUR EXTERNE FORMABLE**

[72] BURRIS, DONALD ANDREW, US

[71] CORNING OPTICAL COMMUNICATIONS RF LLC, US

[85] 2016-02-09

[86] 2014-08-04 (PCT/US2014/049529)

[87] (WO2015/020926)

[30] US (61/864,181) 2013-08-09

[21] **2,920,843**
[13] A1

[51] **Int.Cl. A61H 3/00 (2006.01)**

[25] EN

[54] **MAGNETIC CONVEYANCE SYSTEM**

[54] **SYSTEME DE TRANSPORT MAGNETIQUE**

[72] BURKE, DONALD, US

[71] BURKE, DONALD, US

[85] 2016-02-09

[86] 2014-08-08 (PCT/US2014/050375)

[87] (WO2015/023539)

[30] US (61/864,545) 2013-08-10

[21] **2,920,844**
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/66 (2006.01) A61K 38/47 (2006.01) A61P 1/14 (2006.01)**

[25] EN

[54] **DIGESTIVE ENZYME COMPOSITION SUITABLE FOR ENTERAL ADMINISTRATION**

[54] **COMPOSITION D'ENZYMES DIGESTIVES APPROPRIEE POUR UNE ADMINISTRATION ENTERALE**

[72] EREN, DEVRIM, US

[72] EKERDT, RUTH, US

[72] PIRONTI, VINCENZA, IT

[72] UBIGLIA, LETIZIA, IT

[72] BOLTRI, LUIGI, IT

[71] ALLERGAN PHARMACEUTICALS INTERNATIONAL LIMITED, IE

[85] 2016-02-09

[86] 2014-08-04 (PCT/US2014/049569)

[87] (WO2015/020943)

[30] US (61/864,314) 2013-08-09

[21] **2,920,845**
[13] A1

[51] **Int.Cl. G06Q 50/24 (2012.01) G06Q 50/22 (2012.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GENERATING A UNIFIED DATABASE FROM DATA SETS**

[54] **PROCEDE ET SYSTEME DE GENERATION D'UNE BASE DE DONNEES UNIFIEE A PARTIR D'ENSEMBLES DE DONNEES**

[72] DE VRIES, GLEN, US

[72] MARLBOROUGH, MICHELLE, US

[71] MEDIDATA SOLUTIONS, INC., US

[85] 2016-02-09

[86] 2014-08-04 (PCT/US2014/049610)

[87] (WO2015/026512)

[30] US (13/974,294) 2013-08-23

[21] **2,920,846**
[13] A1

[51] **Int.Cl. F26B 25/12 (2006.01) E05B 83/10 (2014.01)**

[25] EN

[54] **DRYER WITH AN EXPLOSION VENT DOOR LATCH**

[54] **SECHOIR A LOQUET DE PORTE A CLAPET D'EXPLOSION**

[72] SCHREIBER, JUSTIN M., US

[72] BLACKOWIAK, STEVE, US

[72] FORD, SHANNON, US

[71] BUHLER AEROGLIDE CORPORATION, US

[85] 2016-02-09

[86] 2014-08-05 (PCT/US2014/049748)

[87] (WO2015/021027)

[30] US (13/963,177) 2013-08-09

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[21] **2,920,847**
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 31/427 (2006.01) A61K 31/4439 (2006.01) A61P 25/28 (2006.01) C07D 417/10 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **FORMULATIONS CONTAINING GAMMA SECRETASE MODULATORS**

[54] **FORMULATIONS CONTENANT DES MODULATEURS DE SECRETASE GAMMA**

[72] COMER, WILLIAM T., US

[72] KOUNNAS, MARIA Z., US

[72] KNOX, BRYAN M., US

[72] BARKSDALE, NATHAN S., US

[71] NEUROGENETIC PHARMACEUTICALS, INC., US

[85] 2016-02-09

[86] 2014-08-06 (PCT/US2014/049995)

[87] (WO2015/021191)

[30] US (13/963,970) 2013-08-09

[21] **2,920,848**
[13] A1

[51] **Int.Cl. A61B 6/00 (2006.01) G06K 9/62 (2006.01) G06T 7/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR IDENTIFYING PERSONALIZED VASCULAR IMPLANTS FROM PATIENT-SPECIFIC ANATOMIC DATA**

[54] **SYSTEMES ET PROCEDES D'IDENTIFICATION D'IMPLANTS VASCULAIRES PERSONNALISES A PARTIR DE DONNEES ANATOMIQUES PROPRES A UN PATIENT**

[72] GRADY, LEO, US

[72] TAYLOR, CHARLES A., US

[72] CHOI, GILWOO, US

[72] ROGERS, CAMPBELL, US

[71] HEARTFLOW, INC., US

[85] 2016-02-09

[86] 2014-08-07 (PCT/US2014/050030)

[87] (WO2015/023495)

[30] US (61/866,758) 2013-08-16

[30] US (14/254,630) 2014-04-16

[30] US (14/254,599) 2014-04-16

[30] US (14/254,544) 2014-04-16

[21] **2,920,850**
[13] A1

[51] **Int.Cl. A61M 1/00 (2006.01) A61F 13/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR APPLYING REDUCED PRESSURE THERAPY**

[54] **SYSTEMES ET PROCEDES POUR APPLIQUER UNE THERAPIE A PRESSION REDUITE**

[72] JAECKLEIN, WILLIAM JOSEPH, US

[72] QUINTANAR, FELIX C., US

[71] SMITH & NEPHEW, INC., US

[85] 2016-02-09

[86] 2014-08-07 (PCT/US2014/050233)

[87] (WO2015/023515)

[30] US (61/865,516) 2013-08-13

[21] **2,920,852**
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) B82Y 5/00 (2011.01) A61K 41/00 (2006.01) A61P 17/10 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS, METHODS AND APPARATUS FOR USE WITH ENERGY ACTIVATIBLE MATERIALS**

[54] **COMPOSITIONS, PROCEDES ET APPAREIL UTILISABLES AVEC DES MATERIAUX ACTIVABLES PAR L'ENERGIE**

[72] PAITHANKAR, DILIP, US

[72] BLOMGREN, RICHARD DEAN, US

[72] MEYER, TODD JOSEPH, US

[71] SEBACIA, INC., US

[85] 2016-02-09

[86] 2014-08-08 (PCT/US2014/050444)

[87] (WO2015/021446)

[30] US (61/864,220) 2013-08-09

[30] US (61/925,891) 2014-01-10

[21] **2,920,853**
[13] A1

[51] **Int.Cl. C12N 9/22 (2006.01)**

[25] EN

[54] **NUCLEASE PROFILING SYSTEM**

[54] **SYSTEME DE DETERMINATION DU PROFIL DE NUCLEASES**

[72] LIU, DAVID R., US

[72] PATTANAYAK, VIKRAM, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2016-02-09

[86] 2014-08-08 (PCT/US2014/050283)

[87] (WO2015/021353)

[30] US (61/864,289) 2013-08-09

[30] US (14/320,370) 2014-06-30

[30] US (14/320,413) 2014-06-30

[21] **2,920,855**
[13] A1

[51] **Int.Cl. B41N 3/00 (2006.01) B41F 5/24 (2006.01)**

[25] EN

[54] **APPARATUS FOR THERMAL PROCESSING OF FLEXOGRAPHIC PRINTING ELEMENTS**

[54] **APPAREIL DE TRAITEMENT THERMIQUE D'ELEMENTS D'IMPRESSION FLEXOGRAPHIQUE**

[72] GOTSICK, TIMOTHY, US

[71] MACDERMID PRINTING SOLUTIONS, LLC, US

[85] 2016-02-09

[86] 2014-08-11 (PCT/US2014/050499)

[87] (WO2015/023571)

[30] US (13/965,537) 2013-08-13

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[21] **2,920,856**
[13] A1

[51] **Int.Cl. A61K 38/10 (2006.01) A61K 31/197 (2006.01) A61K 31/437 (2006.01) A61K 31/4427 (2006.01) A61P 13/12 (2006.01)**

[25] EN

[54] **COMPOUNDS AND METHODS FOR INHIBITING PHOSPHATE TRANSPORT**

[54] **COMPOSES ET PROCEDES D'INHIBITION DU TRANSPORT DE PHOSPHATE**

[72] CHARMOT, DOMINIQUE, US
[72] LEWIS, JASON G., US
[72] JACOBS, JEFFREY W., US
[72] LANGSETMO, INGRID, US
[72] CARRERAS, CHRISTOPHER, US
[71] ARDELYX, INC., US
[85] 2016-02-09
[86] 2014-08-08 (PCT/US2014/050290)
[87] (WO2015/021358)
[30] US (61/864,215) 2013-08-09
[30] US (61/936,715) 2014-02-06

[21] **2,920,858**
[13] A1

[51] **Int.Cl. A61B 18/18 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR TREATING DERMAL MELASMA**

[54] **PROCEDE ET APPAREIL POUR LE TRAITEMENT DU MELASME DERMIQUE**

[72] ANDERSON, RICHARD ROX, US
[72] MANSTEIN, DIETER, US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2016-02-09
[86] 2014-08-11 (PCT/US2014/050518)
[87] (WO2015/021462)
[30] US (61/864,238) 2013-08-09

[21] **2,920,859**
[13] A1

[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/37 (2006.01) A61K 8/49 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **SKIN CARE COMPOSITIONS HAVING CYCLIC DIESTERS AND METHODS THEREOF**

[54] **COMPOSITIONS DE SOINS DE LA PEAU AYANT DES DIESTERS CYCLIQUES ET METHODES ASSOCIEES**

[72] CAHILL, WILLIAM R., JR., US
[72] BURCH, ROBERT RAY, US
[72] HORSAGER, JEFFREY JON, US
[72] REISACK, JESSICA LINDA, US
[72] ALTLAND, JENNIFER MARIE, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2016-02-09
[86] 2014-08-08 (PCT/US2014/050303)
[87] (WO2015/021362)
[30] US (61/864,172) 2013-08-09

[21] **2,920,864**
[13] A1

[51] **Int.Cl. E21D 7/02 (2006.01) B66B 17/00 (2006.01) E21D 1/03 (2006.01) E21D 9/12 (2006.01)**

[25] EN

[54] **SKIP AND CROSSHEAD**

[54] **BENNE ET CROSSES**

[72] WEBB, ROCKY LYNN, CA
[72] DELABBIO, FREDRIC CHRISTOPHER, AU
[71] TECHNOLOGICAL RESOURCES PTY. LIMITED, AU
[85] 2016-02-09
[86] 2014-08-25 (PCT/AU2014/000848)
[87] (WO2015/024069)
[30] AU (2013903212) 2013-08-23

[21] **2,920,865**
[13] A1

[51] **Int.Cl. A61F 2/24 (2006.01)**

[25] EN

[54] **REPLACEMENT HEART VALVE APPARATUS AND METHODS**

[54] **APPAREIL DE VALVE CARDIAQUE DE REMPLACEMENT ET PROCEDES**

[72] SPENCE, PAUL A., US
[72] CHAU, MARK, US
[72] SIEGEL, ALEX, US
[72] TOMPKINS, LANDON H., US
[71] MITRAL VALVE TECHNOLOGIES SARL, FR
[71] TOMPKINS, LANDON H., US
[85] 2016-02-09
[86] 2014-08-14 (PCT/US2014/051095)
[87] (WO2015/023862)
[30] US (61/865,657) 2013-08-14
[30] US (61/942,300) 2014-02-20
[30] US (61/943,125) 2014-02-21

[21] **2,920,866**
[13] A1

[51] **Int.Cl. C06B 31/28 (2006.01)**

[25] EN

[54] **METHODS OF MAKING EXPLOSIVE COMPOSITIONS OF ANFO AND HEAVY ANFO**

[54] **PROCEDES D'ELABORATION DE COMPOSITIONS EXPLOSIVES D'ANFO ET D'ANFO LOURD**

[72] RUIZ VALLE, HEBERTH LAWRENCY, PE
[72] MASLO LUNA, KARL GEORG, PE
[71] EXSA S.A., PE
[85] 2016-02-09
[86] 2015-07-30 (PCT/PE2015/000013)
[87] (WO2016/018163)
[30] US (14/448,000) 2014-07-31
[30] US (14/447,917) 2014-07-31
[30] PE (1316-2015/DIN) 2015-07-13

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[21] **2,920,867**
[13] A1

[51] **Int.Cl. A61F 2/08 (2006.01) A61F 2/38 (2006.01)**
[25] EN
[54] **LIGAMENT ASSEMBLY**
[54] **ENSEMBLE LIGAMENT**
[72] DODD, CHRISTOPHER
ALEXANDER, GB
[72] MURRAY, DAVID WYCLIFFE, GB
[72] O'CONNOR, JOHN JOSEPH, GB
[72] LLOYD, RUSSELL, GB
[72] ALINEJAD, MONA, GB
[71] BIOMET UK HEALTHCARE
LIMITED, GB
[71] DODD, CHRISTOPHER
ALEXANDER, GB
[71] MURRAY, DAVID WYCLIFFE, GB
[71] O'CONNOR, JOHN JOSEPH, GB
[85] 2016-02-09
[86] 2014-07-31 (PCT/GB2014/052350)
[87] (WO2015/022492)
[30] GB (1314410.0) 2013-08-12

[21] **2,920,869**
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01)**
[25] EN
[54] **MERCHANDISE KIOSK AND
WEB-STORE SYSTEM AND
METHOD**
[54] **BORNE DE VENTE INTERACTIVE
ET SYSTEME DE BOUTIQUE EN
LIGNE ET PROCEDE ASSOCIE**
[72] RINGO, RICHARD ALLEN, US
[71] RINGO, RICHARD ALLEN, US
[85] 2016-02-09
[86] 2014-08-14 (PCT/US2014/051131)
[87] (WO2015/023881)
[30] US (61/866,153) 2013-08-15
[30] US (14/458,727) 2014-08-13

[21] **2,920,870**
[13] A1

[51] **Int.Cl. A01G 31/00 (2006.01)**
[25] EN
[54] **PLANT CULTIVATION SYSTEM
AND A METHOD FOR PLANT
CULTIVATION**
[54] **SYSTEME DE CULTURE DE
PLANTES ET PROCEDE DE
CULTURE DE PLANTES**
[72] YOSHIOKA, HIROSHI, JP
[72] MORI, YUICHI, JP
[72] OKAMOTO, AKIHIRO, JP
[72] MIURA, SHIGEKI, JP
[72] MIZUTANI, TOMOYOSHI, JP
[71] MEBIOL INC., JP
[85] 2016-02-09
[86] 2014-08-11 (PCT/JP2014/071141)
[87] (WO2015/025752)
[30] JP (2013-169317) 2013-08-19

[21] **2,920,871**
[13] A1

[51] **Int.Cl. C03B 37/027 (2006.01) G01J
3/44 (2006.01) G01N 21/35 (2014.01)
G01N 21/65 (2006.01) G02B 6/02
(2006.01)**
[25] EN
[54] **GAS SENSOR TO ENHANCE
IMPLEMENTATION OF A
PROCESS-BASED LEAKAGE
MONITORING METHOD**
[54] **CAPTEUR DE GAZ PERMETTANT
D'AMELIORER LA MISE EN
ŒUVRE D'UN PROCEDE DE
CONTROLE DE FUITE BASE SUR
UN PROCESSUS**
[72] ROMANAK, KATHERINE, US
[72] BOMSE, DAVID, US
[72] EDIGER, MARWOOD N., US
[71] BOARD OF REGENTS, THE
UNIVERSITY OF TEXAS SYSTEM,
US
[71] MESA PHOTONICS, LLC, US
[85] 2016-02-09
[86] 2014-08-15 (PCT/US2014/051179)
[87] (WO2015/023908)
[30] US (61/866,578) 2013-08-16

[21] **2,920,872**
[13] A1

[51] **Int.Cl. C02F 5/08 (2006.01) C02F 1/42
(2006.01)**
[25] EN
[54] **WATER SOFTENING
COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS
D'ADOUCCISEMENT D'EAU ET
PROCEDES ASSOCIES**
[72] BROWN, GEOFFREY A., US
[72] SHELITE, KRISTOPHER LEE, US
[72] LINSOTT, DARLENE R., US
[72] POE, JERRY L., US
[71] COMPASS MINERALS AMERICA
INC., US
[85] 2016-02-09
[86] 2014-08-15 (PCT/US2014/051359)
[87] (WO2015/023991)
[30] US (61/866,406) 2013-08-15

[21] **2,920,873**
[13] A1

[51] **Int.Cl. C02F 1/32 (2006.01)**
[25] EN
[54] **PORTABLE WATER
PURIFICATION SYSTEM USING
ONE OR MORE LOW OUTPUT
POWER UV LIGHT SOURCES**
[54] **SYSTEME DE PURIFICATION
D'EAU PORTATIF UTILISANT
UNE OU PLUSIEURS SOURCES
DE LUMIERE UV A FAIBLE
PUISSANCE DE SORTIE**
[72] MAIDEN, MILES, US
[71] HYDRO-PHOTON, INC., US
[85] 2016-02-09
[86] 2014-08-18 (PCT/US2014/051458)
[87] (WO2015/026710)
[30] US (61/868,235) 2013-08-21
[30] US (61/922,172) 2013-12-31
[30] US (61/987,194) 2014-05-01

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[21] **2,920,874**
[13] A1

[51] **Int.Cl. B21D 22/26 (2006.01) B21D 22/20 (2006.01) B21D 24/00 (2006.01)**
[25] EN
[54] **METHOD AND PRESS-FORMING APPARATUS FOR MANUFACTURING STRUCTURAL MEMBER FOR AUTOMOTIVE BODY**
[54] **PROCEDE POUR LA FABRICATION D'UN ELEMENT STRUCTURAL POUR UNE CARROSSERIE D'AUTOMOBILE ET DISPOSITIF DE MOULAGE PAR COMPRESSION**
[72] ITO, YASUHIRO, JP
[72] NISHIMURA, RYUICHI, JP
[72] OTSUKA, KENICHIRO, JP
[72] NAKAZAWA, YOSHIKI, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2016-02-09
[86] 2014-09-10 (PCT/JP2014/073970)
[87] (WO2015/053035)
[30] JP (2013-212069) 2013-10-09

[21] **2,920,875**
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **MICROFLUIDIC METERING OF FLUIDS**
[54] **MESURE MICROFLUIDIQUE DE FLUIDES**
[72] ZAMIR, LEE, US
[72] OPPENHEIMER, AARON, US
[72] WEBER, LUTZ, DE
[71] DAKTARI DIAGNOSTICS, INC., US
[85] 2016-02-09
[86] 2014-08-20 (PCT/US2014/051838)
[87] (WO2015/026911)
[30] US (61/869,373) 2013-08-23

[21] **2,920,876**
[13] A1

[51] **Int.Cl. E21B 43/34 (2006.01) E21B 43/38 (2006.01)**
[25] EN
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[54] **SEPARATEURS DE GAZ COMPORTANT DES CAPTEURS A FIBRE OPTIQUE**
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[72] BROWN, DONN J., US
[72] SHETH, KETANKUMAR K., US
[71] BAKER HUGHES INCORPORATED, US
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[87] (WO2015/026924)
[30] US (13/971,219) 2013-08-20

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[54] **BANDE A GRIFFES DE TAPIS**
[72] GREATHOUSE, GLEN P., US
[72] MCKENNA, MICHAEL H., US
[72] MCKENNA, BRIAN, US
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[54] **METHODS AND SYSTEMS FOR MONITORING SPONTANEOUS POTENTIALS IN DOWNHOLE ENVIRONMENTS**
[54] **METHODES ET SYSTEMES DE SURVEILLANCE DE POTENTIELS SPONTANES DANS DES ENVIRONNEMENTS DE FOND DE TROU**
[72] WILSON, GLENN A., US
[72] DONDERICI, BURKAY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **AQUEOUS DOWNHOLE FLUIDS HAVING CHARGED NANOPARTICLES AND POLYMERS**
[54] **FLUIDES AQUEUX DE FOND COMPORTANT DES NANOPARTICULES ET DES POLYMERES CHARGES**
[72] DEBORD, SAET B., US
[72] TANIFUM, CHRISTABEL, US
[71] BAKER HUGHES INCORPORATED, US
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[86] 2014-08-21 (PCT/US2014/052135)
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[25] EN
[54] **METHOD FOR MANUFACTURING PRESS-FORMED PRODUCT AND PRESS-FORMING APPARATUS**
[54] **PROCEDE DE PRODUCTION POUR UN CORPS MOULE A LA PRESSE ET DISPOSITIF DE MOULAGE A LA PRESSE**
[72] OTSUKA, KENICHIRO, JP
[72] NAKAZAWA, YOSHIKI, JP
[72] NISHIMURA, RYUICHI, JP
[72] ITO, YASUHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
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[54] **ELEMENT DE PROTECTION
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[72] MCCONNELL, KELLY, US
[71] PRINCE LIONHEART, INC., US
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[25] EN
[54] **POLYAXIAL LOCKING
MECHANISM**
[54] **MECANISME DE
VERROUILLAGE POLYAXIAL**
[72] TERRILL, LANCE NATHAN, US
[72] SCHULTZ, MATTHEW DAVID, US
[72] RINDAL, BJORN N., US
[71] ZIMMER, INC., US
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[54] **MODELISATION DE STABILITE
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[72] KARPFFINGER, FLORIAN, NO
[72] PRIOUL, ROMAIN CHARLES
ANDRE, US
[72] HELIOT, DENIS, US
[72] RAMIREZ, ALEXANDER, US
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[54] **SYSTEMES ET PROCEDES DE
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[72] SCHNEIDER, JEFF, US
[72] SCHMIDT, WILLIAM E., US
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JOINT ASSEMBLIES**
[54] **DOUILLES D'ARTICULATIONS
POUR ENSEMBLES
ARTICULATIONS DE CHENILLES**
[72] STEINER, KEVIN L., US
[72] THORSON, TIMOTHY A., US
[72] BREWER, CAROLINE M., US
[72] DIEKEVERS, MARK S., US
[72] AKINLUA, TEMITOPE O., US
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[30] US (61/871,505) 2013-08-29
[30] US (14/461,328) 2014-08-15

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[25] EN
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[54] **ANALYSE DE DONNEES POUR
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[72] BENUM, TROND, NO
[72] BROUSSARD, FLOYD LOUIS, III, US
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[54] **ENSEMBLES DE RACCORD DE CHENILLE ET RONDELLES DE BUTEE ASSOCIEES**
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[72] STEINER, KEVIN L., US
[72] BREWER, CAROLINE M., US
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[54] **ANTIBODIES TO PLASMINOGEN ACTIVATOR INHIBITOR-1 (PAI-1) AND USES THEREOF**
[54] **ANTICORPS DIRIGES CONTRE L'INHIBITEUR DES ACTIVATEURS DU PLASMINOGENE DE TYPE 1 (PAI-1) ET LEURS UTILISATIONS**
[72] PRITSKER, ALLA, US
[72] GRAILHE, PATRICK, FR
[72] RAK, ALEXEY, FR
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[72] MORGAN, CHRISTOPHER RYAN, US
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[72] LI, HAN, US
[72] KOMINOS, DOROTHEA, US
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[54] **TUBE D'APPORT POUR SYSTEME D'IRRIGATION ET DE FERTILISATION ET PROCEDE POUR LE FABRIQUER**
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[72] CONKLIN, DAVID A., US
[71] RESPONSIVE DRIP IRRIGATION, LLC, US
[85] 2016-02-09
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[25] EN
[54] **SEAL ASSEMBLY FOR TRACK PIN JOINT ASSEMBLY OF UNDERCARRIAGE**
[54] **ENSEMBLE DE JOINT POUR ENSEMBLE DE RACCORD DE BROCHE DE CHENILLE DE TRAIN DE ROULEMENT**
[72] LIANG, GUANGHUI, US
[72] DIEKEVERS, MARK S., US
[72] KIESEL, MARK, US
[72] ANTOINE, DARREN B., US
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[72] KING, TRAVIS, US
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[30] US (61/872,469) 2013-08-30
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[54] **MATERIAU POLYMERE POUR RECIPIENT**
[72] SUN, DAVID D., US
[71] BERRY PLASTICS CORPORATION, US
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[54] **INJECTEUR ET PROCEDE D'ASSEMBLAGE**
[72] GIBSON, SCOTT R., US
[71] AMGEN INC., US
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[54] **COATING AND BINDER COMPOSITIONS FOR GYPSUM BOARDS**
[54] **COMPOSITION DE REVETEMENT ET DE LIANT POUR DES PLAQUES DE PLATRE**
[72] FOSTER, MICHAEL D., US
[72] MORETZ, NELLIE, US
[72] BAILEY, JAMES E., US
[72] KIRKWOOD, JOHN E., US
[72] BLAND, BRIAN W., US
[72] FADHEL, ALI, US
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[71] GEORGIA-PACIFIC GYPSUM LLC, US
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[54] **SYSTEMS AND METHODS FOR DETECTING INFECTIOUS DISEASES**
[54] **SYSTEMES ET PROCEDES POUR DETECTION DE MALADIES INFECTIEUSES**
[72] PATEL, PRANAV, US
[72] TABAKMAN, SCOTT, US
[72] BELHOCINE, KAMILA, US
[72] RICHARDSON, AARON, US
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[72] LUI, CLARISSA, US
[72] HOLMES, ELIZABETH, US
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[51] **Int.Cl. B65D 21/02 (2006.01) B65D 43/02 (2006.01)**
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[54] **CONTAINER AND LID**
[54] **RECIPIENT ET COUVERCLE**
[72] DZIABA, MICHELE M., US
[72] TILTON, ANDREW THOMAS, US
[72] JOHNSON, JEFFREY A., US
[72] MISKOVIC, JOSEPH M., US
[71] KRAFT FOODS GROUP BRANDS LLC, US
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[30] US (61/875,595) 2013-09-09

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[13] A1

[51] **Int.Cl. B01D 15/14 (2006.01) G01N 30/20 (2006.01)**
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[54] **HEATED ROTARY VALVE FOR CHROMATOGRAPHY**
[54] **SOUPAPE ROTATIVE CHAUFFEE POUR LA CHROMATOGRAPHIE**
[72] STEARNS, STANLEY D., US
[72] BRISBIN, MARTIN PAUL, US
[72] MILLER, DAVID, US
[71] VALCO INSTRUMENTS COMPANY, L.P., US
[85] 2016-02-09
[86] 2014-12-26 (PCT/US2014/072424)
[87] (WO2015/103086)
[30] US (14/146,596) 2014-01-02

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[25] EN
[54] **COMPOSITIONS FOR LINKING DNA-BINDING DOMAINS AND CLEAVAGE DOMAINS**
[54] **COMPOSITIONS DE LIAISON DE DOMAINES DE LIAISON A L'ADN ET DE DOMAINES DE CLIVAGE**
[72] PASCHON, DAVID, US
[72] ZHANG, LEI, US
[71] SANGAMO BIOSCIENCES, INC., US
[85] 2016-02-09
[86] 2014-08-28 (PCT/US2014/053170)
[87] (WO2015/031619)
[30] US (61/871,219) 2013-08-28

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[13] A1

[51] **Int.Cl. G06F 13/42 (2006.01)**
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[54] **MISE EN FILE D'ATTENTE DE COMMANDES DANS DES MEMOIRES INTEGREES**
[72] SHACHAM, ASSAF, US
[72] YAHALOM, TOM, US
[72] ZACKS-SHTRAUSS, AVIAD, US
[71] QUALCOMM INCORPORATED, US
[85] 2016-02-09
[86] 2014-09-08 (PCT/US2014/054527)
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[13] A1

[51] **Int.Cl. C11D 3/40 (2006.01) C09B 29/033 (2006.01) C09B 29/08 (2006.01) C11D 3/42 (2006.01)**

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[54] **LAUNDRY CARE COMPOSITIONS CONTAINING THIOPHENE AZO CARBOXYLATE DYES**

[54] **COMPOSITIONS D'ENTRETIEN DU LINGE CONTENANT DES COLORANTS A BASE DE THIOPHENE AZO CARBOXYLATE**

[72] MIRACLE, GREGORY SCOT, US

[72] TORRES, EDUARDO, US

[71] THE PROCTOR & GAMBLE COMPANY, US

[85] 2016-02-09

[86] 2014-09-18 (PCT/US2014/056186)

[87] (WO2015/042209)

[30] US (61/879,296) 2013-09-18

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[13] A1

[51] **Int.Cl. H04W 52/16 (2009.01) H04W 52/32 (2009.01)**

[25] EN

[54] **COVERAGE ENHANCEMENTS FOR PHYSICAL BROADCAST CHANNEL (PBCH)**

[54] **AMELIORATIONS DE COUVERTURE POUR UN CANAL PHYSIQUE DE DIFFUSION (PBCH)**

[72] XU, HAO, US

[72] CHEN, WANSHI, US

[72] JI, TINGFANG, US

[71] QUALCOMM INCORPORATED, US

[85] 2016-02-09

[86] 2014-09-18 (PCT/US2014/056300)

[87] (WO2015/042261)

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[30] US (14/489,146) 2014-09-17

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[13] A1

[51] **Int.Cl. C23C 14/34 (2006.01)**

[25] EN

[54] **COATING CONTAINING MACROPARTICLES AND CATHODIC ARC PROCESS OF MAKING THE COATING**

[54] **REVETEMENT CONTENANT DES MACROPARTICULES ET PROCEDE DE DE FORMATION DU REVETEMENT PAR ARC CATHODIQUE**

[72] DURHAM, SIMON, CA

[72] TZANEV, STEFAN, CA

[72] MENDEZ, MANUEL, CA

[72] GUETRE, STEVE, CA

[71] MDS COATING TECHNOLOGIES CORP., CA

[85] 2016-02-10

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[87] (WO2015/024098)

[30] US (61/867,751) 2013-08-20

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[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/02 (2006.01)**

[25] EN

[54] **AUTONOMOUS FLOW CONTROL SYSTEM AND METHODOLOGY**

[54] **SYSTEME ET METHODOLOGIE DE COMMANDE D'ECOULEMENT AUTONOME**

[72] MOEN, TERJE, NO

[72] TUNKIEL, ANDRZEJ T., NO

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2016-02-09

[86] 2014-08-29 (PCT/US2014/053392)

[87] (WO2015/031745)

[30] US (61/871,348) 2013-08-29

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[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 50/10 (2012.01)**

[25] EN

[54] **TARGETING ADVERTISEMENTS TO CUSTOMIZED GROUPS OF USERS OF AN ONLINE SYSTEM**

[54] **CIBLAGE DE PUBLICITES VERS DES UTILISATEURS DE GROUPES SUR MESURE D'UN SYSTEME EN LIGNE**

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[72] GOLUB, BENJAMIN, US

[72] FEDOROV, VLADIMIR, US

[72] SOBEL, JASON SCOTT, US

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[30] US (14/034,350) 2013-09-23

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[13] A1

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[25] EN

[54] **AIRFOIL MASKING TOOL AND METHOD OF POLISHING AN AIRFOIL**

[54] **OUTIL DE MASQUAGE DE PROFIL AERODYNAMIQUE ET PROCEDE DE POLISSAGE D'UN PROFIL AERODYNAMIQUE**

[72] MARTIN, LEE, CA

[72] BELL, JOSHUA, CA

[71] MDS COATING TECHNOLOGIES CORP., CA

[85] 2016-02-10

[86] 2014-08-18 (PCT/CA2014/000628)

[87] (WO2015/027310)

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[30] US (61/907,207) 2013-11-21

[30] US (61/913,439) 2013-12-09

[30] US (62,001,425) 2014-05-21

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[13] A1

[51] **Int.Cl. G06F 9/445 (2006.01) G06F 9/44 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM TO DYNAMICALLY ALTER APPLICATION FUNCTIONALITY AT RUNTIME IN A CONSTRAINED AND SECURE MANNER**
[54] **PROCEDE ET SYSTEME PERMETTANT DE MODIFIER D'UNE MANIERE DYNAMIQUE, CONTRAINTE ET SECURISEE UNE FONCTIONNALITE D'APPLICATION PENDANT UNE EXECUTION**
[72] AL HAMAMI, AHMAD ZAID, CA
[71] IMMUN.IO INC., CA
[85] 2016-02-10
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[30] US (61/866,191) 2013-08-15

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[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE IDENTIFICATION SYSTEM**
[54] **SYSTEME D'IDENTIFICATION DE CAPSULE**
[72] TROMBETTA, LIBERATORE A., CA
[72] YANG, PAUL ERN-CHANG, CA
[71] 2266170 ONTARIO INC., CA
[85] 2016-02-10
[86] 2014-08-15 (PCT/CA2014/050777)
[87] (WO2015/021557)
[30] US (61/866,264) 2013-08-15

[21] **2,920,911**
[13] A1

[51] **Int.Cl. G08G 1/127 (2006.01) G07B 15/06 (2011.01) G08G 1/0968 (2006.01)**
[25] EN
[54] **VEHICLE TRAFFIC AND VEHICLE RELATED TRANSACTION CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE DU TRAFIC DES VEHICULES ET DE TRANSACTIONS LIEES A DES VEHICULES**
[72] HEATH, BRIAN, CA
[72] KO, TSE YOUNG (FRED), CA
[72] MOFFORD, BRIAN, CA
[71] INTELLIGENT IMAGING SYSTEMS, INC., CA
[85] 2016-02-10
[86] 2014-08-20 (PCT/CA2014/050802)
[87] (WO2015/024126)
[30] US (61/868,066) 2013-08-20

[21] **2,920,912**
[13] A1

[51] **Int.Cl. E21B 47/13 (2012.01) H04W 52/00 (2009.01) H04W 80/00 (2009.01) E21B 44/00 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **OPTIMIZING ELECTROMAGNETIC TELEMETRY TRANSMISSIONS**
[54] **OPTIMISATION DE TRANSMISSIONS TELEMETRIQUES ELECTROMAGNETIQUES**
[72] LIU, JILI, CA
[72] XU, MINGDONG, CA
[72] LOGAN, AARON W., CA
[72] SWITZER, DAVID ARTHUR SIDNEY, CA
[72] VARGA, MONICA E., CA
[72] KAZEMI MIRAKI, MOJITABA, CA
[71] EVOLUTION ENGINEERING INC., CA
[85] 2016-02-10
[86] 2014-08-28 (PCT/CA2014/050825)
[87] (WO2015/027340)
[30] US (61/870,968) 2013-08-28

[21] **2,920,924**
[13] A1

[51] **Int.Cl. H02J 13/00 (2006.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GRID OPERATING SYSTEMS IN ELECTRIC POWER SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR SYSTEMES DE FONCTIONNEMENT DE RESEAU DANS DES SYSTEMES D'ALIMENTATION ELECTRIQUE**
[72] WONG, JOSHUA, CA
[72] TAI, CEDRIC, CA
[72] IRAVANI, REZA, CA
[71] OPUS ONE SOLUTIONS ENERGY CORP., CA
[85] 2016-02-10
[86] 2014-09-08 (PCT/CA2014/050849)
[87] (WO2015/032002)
[30] US (61/874,647) 2013-09-06

[21] **2,920,927**
[13] A1

[51] **Int.Cl. H04W 28/10 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES**
[72] JIN, WEISHENG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2016-02-10
[86] 2013-08-16 (PCT/CN2013/081685)
[87] (WO2015/021649)

[21] **2,920,929**
[13] A1

[51] **Int.Cl. A01G 25/16 (2006.01) G05B 15/02 (2006.01) G05D 7/06 (2006.01)**
[25] EN
[54] **GENERATING AND OPTIMIZING PROTOCOLS**
[54] **GENERATION ET OPTIMISATION DE PROTOCOLES**
[72] ENDRIZZI, CLARK, US
[72] ROMNEY, MATT, US
[72] DALLEY, MACK, US
[72] MARS, ROBERT, US
[71] SKYDROP HOLDINGS, LLC, US
[85] 2015-12-30
[86] 2014-06-25 (PCT/US2014/044190)
[87] (WO2015/002790)
[30] US (61/841,828) 2013-07-01
[30] US (61/924,154) 2014-01-06

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[21] **2,920,931**
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61P 9/10 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **METHOD FOR THE TREATMENT OF FIBROTIC DISEASE**

[54] **PROCEDE DE TRAITEMENT D'UNE MALADIE FIBROTIQUE**

[72] MARSHALL, DIANE, GB

[71] UCB BIOPHARMA SPRL, BE

[85] 2016-02-10

[86] 2014-08-26 (PCT/EP2014/068047)

[87] (WO2015/028454)

[30] GB (1315486.9) 2013-08-30

[21] **2,920,932**
[13] A1

[51] **Int.Cl. C08F 220/56 (2006.01) C08F 4/40 (2006.01) C08F 212/14 (2006.01) C08F 220/06 (2006.01) C08F 220/14 (2006.01) C08F 220/18 (2006.01) C08F 220/34 (2006.01) C08F 220/54 (2006.01) C09K 8/035 (2006.01) C09K 8/44 (2006.01)**

[25] EN

[54] **CATIONIC COPOLYMER AND USE THEREOF IN LOST CIRCULATION ADDITIVE**

[54] **COPOLYMERE CATIONIQUE ET SON UTILISATION DANS UN AGENT DE COLMATAGE DE FUITES**

[72] SU, CHANGMING, CN

[72] ZHAO, MENGYUN, CN

[72] SU, JIANZHENG, CN

[72] ZHANG, RUSHENG, CN

[72] LONG, QIULIAN, CN

[72] ZHANG, SUOBING, CN

[72] ZHANG, DANIAN, CN

[72] ZHENG, CHENGGANG, CN

[72] MA, YUSHENG, CN

[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[71] CHINA PETROLEUM & CHEMICAL CORPORATION EXPLORATION & PRODUCTION RESEARCH INSTITUTE, CN

[85] 2016-02-10

[86] 2013-10-25 (PCT/CN2013/085964)

[87] (WO2015/021694)

[30] CN (201310354270.8) 2013-08-14

[21] **2,920,934**
[13] A1

[51] **Int.Cl. C12N 7/00 (2006.01) A61K 39/145 (2006.01)**

[25] EN

[54] **LARGE SCALE PRODUCTION OF VIRUSES IN CELL CULTURE**

[54] **PRODUCTION A GRANDE ECHELLE DE VIRUS DANS UNE CULTURE CELLULAIRE**

[72] GERKENS, PASCAL CHARLES LOUIS, BE

[72] LECOCQ, MICHELE THERESE RITA, BE

[72] KASUGAYA, TATSUYA, JP

[72] KAWATSU, KENJIRO, JP

[72] MIYATSU, YOSHINOBU, JP

[72] TANABE, TETSURO, JP

[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE

[71] THE CHEMO-SERO-THERAPEUTIC RESEARCH INSTITUTE, JP

[85] 2016-02-10

[86] 2014-08-28 (PCT/EP2014/068248)

[87] (WO2015/028546)

[30] US (61/872,024) 2013-08-30

[21] **2,920,935**
[13] A1

[51] **Int.Cl. H04W 36/00 (2009.01)**

[25] EN

[54] **METHOD, DEVICE, AND SYSTEM FOR JOINING NEIGHBOR AWARENESS NETWORK DEVICE CLUSTER**

[54] **PROCEDE, DISPOSITIF, ET SYSTEME POUR REJOINDRE UNE GRAPPE DE RESEAUX DE DECOUVERTE DE VOISINAGE**

[72] FANG, PING, CN

[72] CHEN, JI, CN

[72] DING, ZHIMING, CN

[72] DU, ZHENGUO, CN

[71] HUAWEI DEVICE CO., LTD., CN

[85] 2016-02-10

[86] 2014-04-08 (PCT/CN2014/074887)

[87] (WO2015/021780)

[30] CN (201310351937.9) 2013-08-13

[21] **2,920,938**
[13] A1

[51] **Int.Cl. C07C 29/00 (2006.01) C07C 31/20 (2006.01)**

[25] EN

[54] **PROCESS FOR THE CONVERSION OF SACCHARIDE-CONTAINING FEEDSTOCK**

[54] **PROCEDE DE CONVERSION DE CHARGE DE DEPART CONTENANT UN SACCHARIDE**

[72] VAN DER HEIDE, EVERT, NL

[72] HUIZENGA, PIETER, NL

[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2016-02-10

[86] 2014-08-29 (PCT/EP2014/068350)

[87] (WO2015/028593)

[30] EP (13182406.2) 2013-08-30

[21] **2,920,939**
[13] A1

[51] **Int.Cl. H04W 72/04 (2009.01)**

[25] EN

[54] **CHANNEL SOUNDING FOR FREQUENCY DIVISION DUPLEX SYSTEM**

[54] **SONDAGE DE CANAL POUR SYSTEME DE DUPLEXAGE PAR REPARTITION EN FREQUENCE**

[72] MA, JIANGLEI, CA

[72] MING, JIA, CA

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2016-02-10

[86] 2014-08-21 (PCT/CN2014/084888)

[87] (WO2015/024521)

[30] US (13/974,819) 2013-08-23

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[21] **2,920,940**
[13] A1

[51] **Int.Cl. G01F 1/86 (2006.01) G01G 3/16 (2006.01) G01G 17/04 (2006.01) G01N 9/00 (2006.01)**

[25] EN

[54] **METHOD OF, AND APPARATUS FOR, MONITORING THE AVAILABLE RESOURCES OF A GAS CYLINDER**

[54] **PROCEDE DE, ET APPAREIL POUR, SURVEILLER LES RESSOURCES DISPONIBLES D'UN CYLINDRE DE GAZ**

[72] BEHRENS, MARCEL, BE

[72] PEMBERTON, GARETH ROSS, GB

[71] AIR PRODUCTS AND CHEMICALS, INC., US

[85] 2016-02-10

[86] 2014-09-12 (PCT/EP2014/069548)

[87] (WO2015/036569)

[30] EP (13184383.1) 2013-09-13

[21] **2,920,942**
[13] A1

[51] **Int.Cl. A61K 36/87 (2006.01) A61K 31/353 (2006.01) A61K 36/889 (2006.01) A61P 1/00 (2006.01)**

[25] EN

[54] **COCOA POLYPHENOLS AND THEIR USE IN THE TREATMENT OR PREVENTION OF EOSINOPHILIC ESOPHAGITIS**

[54] **POLYPHENOLS DE CACAO ET LEUR UTILISATION DANS LE TRAITEMENT OU LA PREVENTION DE L'OESOPHAGITE A EOSINOPHILES**

[72] BLANCHARD, CARINE, CH

[72] HOLVOET, SEBASTIEN, CH

[71] NESTEC S.A., CH

[85] 2016-02-10

[86] 2014-09-22 (PCT/EP2014/070157)

[87] (WO2015/040223)

[30] EP (13185608.0) 2013-09-23

[21] **2,920,943**
[13] A1

[51] **Int.Cl. A61M 15/06 (2006.01) A24D 1/18 (2006.01) A24F 47/00 (2006.01)**

[25] EN

[54] **AN INHALATOR**

[54] **INHALATEUR**

[72] KNUDSEN, CARSTEN LEONHARD, DK

[71] LK INVESTMENT A/S, DK

[85] 2016-02-10

[86] 2013-08-20 (PCT/DK2013/000051)

[87] (WO2014/029400)

[30] DK (PA 2012 70489) 2012-08-20

[30] US (61/700,805) 2012-09-13

[21] **2,920,945**
[13] A1

[51] **Int.Cl. B03B 5/06 (2006.01)**

[25] EN

[54] **SHAKER TABLE APPARATUS AND COMPONENTS AND METHODS THEREOF**

[54] **APPAREIL DE TABLE VIBRANTE AINSI QUE COMPOSANTS ET PROCEDES ASSOCIES A CELUI-CI**

[72] HEINRICHS, ROBERT EVAN, CA

[72] ZONNEVELD, ED, CA

[71] FLSMIDTH A/S, DK

[85] 2016-02-10

[86] 2014-10-02 (PCT/DK2014/050310)

[87] (WO2015/048975)

[30] US (61/886,014) 2013-10-02

[30] US (61/901,527) 2013-11-08

[21] **2,920,946**
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01)**

[25] EN

[54] **MATERIALS AND METHODS RELATING TO PANCREATIC CANCER**

[54] **MATERIELS ET METHODES LIES AU CANCER DU PANCREAS**

[72] YOH, ZEN, GB

[72] HEATON, NIGEL, GB

[72] QUAGLIA, ALBERTO, GB

[72] BRITTON, DAVID, GB

[72] WARD, MALCOLM, GB

[72] PIKE, IAN, GB

[72] MITRA, VIKRAM, GB

[71] ELECTROPHORETICS LIMITED, GB

[71] KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST, GB

[85] 2016-02-10

[86] 2014-08-13 (PCT/GB2014/052475)

[87] (WO2015/022530)

[30] GB (1314485.2) 2013-08-13

[21] **2,920,947**
[13] A1

[51] **Int.Cl. A01G 25/16 (2006.01) G05B 15/02 (2006.01) G05D 7/06 (2006.01)**

[25] EN

[54] **WATER REDUCTION OPTIMIZING IRRIGATION PROTOCOLS**

[54] **REDUCTION DE VOLUMES D'EAU POUR OPTIMISER DES PROTOCOLES D'IRRIGATION**

[72] ENDRIZZI, CLARK, US

[72] ROMNEY, MATT, US

[72] DALLEY, MACK, US

[72] MARS, ROBERT, US

[71] SKYDROP HOLDINGS, LLC, US

[85] 2015-12-30

[86] 2014-06-25 (PCT/US2014/044192)

[87] (WO2015/002791)

[30] US (61/841,828) 2013-07-01

[30] US (61/924,154) 2014-01-06

[21] **2,920,948**
[13] A1

[51] **Int.Cl. C12N 5/0797 (2010.01) A61K 35/30 (2015.01)**

[25] EN

[54] **STEM CELL MICROPARTICLES AND MIRNA**

[54] **MICROPARTICULES DE CELLULES SOUCHES ET MIARN**

[72] HICKS, CAROLINE, GB

[72] SINDEN, JOHN, GB

[72] STEVANATO, LARA, GB

[72] CORTELING, RANDOLPH, GB

[71] RENEURON LIMITED, GB

[85] 2016-02-10

[86] 2014-08-14 (PCT/GB2014/052509)

[87] (WO2015/022545)

[30] GB (1314573.5) 2013-08-14

[30] GB (1317887.6) 2013-10-09

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[21] **2,920,950**
[13] A1

[51] **Int.Cl. B01J 37/03 (2006.01) B01J 23/02 (2006.01) B01J 23/04 (2006.01) B01J 23/34 (2006.01) B01J 33/00 (2006.01) B01J 37/04 (2006.01) B01J 37/08 (2006.01) C11C 3/10 (2006.01)**

[25] EN

[54] **INTERESTERIFICATION CATALYST AND PROCESS**

[54] **CATALYSEUR ET PROCEDE D'INTERESTERIFICATION**

[72] ELLIS, PETER RICHARD, GB

[72] EVANS, GARY, GB

[72] ZWIJNENBURG, AALBERT, NL

[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB

[85] 2016-02-10

[86] 2014-08-15 (PCT/GB2014/052515)

[87] (WO2015/028779)

[30] GB (1315276.4) 2013-08-28

[21] **2,920,951**
[13] A1

[51] **Int.Cl. A01G 25/16 (2006.01)**

[25] EN

[54] **WATER INSTRUCTIONS AND IRRIGATION PROTOCOLS SENT OVER A NETWORK**

[54] **INSTRUCTIONS D'ARROSAGE ET PROTOCOLES D'IRRIGATION ENVOYES SUR UN RESEAU**

[72] ENDRIZZI, CLARK, US

[72] MARS, ROBERT, US

[72] DALLEY, MACK, US

[72] ENDRIZZI, BETSY, US

[71] SKYDROP HOLDINGS, LLC, US

[85] 2015-12-30

[86] 2014-06-25 (PCT/US2014/044193)

[87] (WO2015/002792)

[30] US (61/841,828) 2013-07-01

[30] US (61/924,154) 2014-01-06

[21] **2,920,952**
[13] A1

[51] **Int.Cl. A24D 1/02 (2006.01)**

[25] EN

[54] **SMOKING ARTICLE**

[54] **ARTICLE A FUMER**

[72] JOHN, EDWARD DENNIS, GB

[72] DITTRICH, DAVID JOHN, GB

[72] COBURN, STEVEN, GB

[72] LIU, CHUAN, GB

[72] MCADAM, KEVIN GERARD, GB

[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB

[85] 2016-02-10

[86] 2014-08-29 (PCT/GB2014/052621)

[87] (WO2015/028812)

[30] GB (1315492.7) 2013-08-30

[21] **2,920,953**
[13] A1

[51] **Int.Cl. A47J 31/60 (2006.01)**

[25] EN

[54] **BEVERAGE MACHINE**

[54] **MACHINE A BOISSONS**

[72] EGLI, CONRADIN, CH

[72] JUNG, JONAS, CH

[72] STIRNIMANN, RENE, CH

[72] VOGELSANG, BRUNO, CH

[72] MARTIN, SCOTT, US

[72] GREEN, ALAN, GB

[72] ACHTMANN, ERIC, DD

[71] COSTA LIMITED, GB

[85] 2016-02-10

[86] 2013-09-16 (PCT/EP2013/069177)

[87] (WO2014/075833)

[30] GB (1216808.4) 2012-09-20

[30] GB (1219874.3) 2012-11-05

[30] GB (1222604.9) 2012-12-14

[30] GB (1222851.6) 2012-12-18

[21] **2,920,954**
[13] A1

[51] **Int.Cl. B05B 12/00 (2006.01)**

[25] EN

[54] **USING FORECAST DATA TO CANCEL THE EXECUTION OF AN IRRIGATION PROTOCOL**

[54] **UTILISATION DE DONNEES DE PREVISIONS POUR ANNULER L'EXECUTION D'UN PROTOCOLE D'IRRIGATION**

[72] ENDRIZZI, CLARK, US

[72] ROMNEY, MATT, US

[71] SKYDROP HOLDINGS, LLC, US

[85] 2015-12-30

[86] 2014-07-01 (PCT/US2014/045157)

[87] (WO2015/003013)

[30] US (61/841,828) 2013-07-01

[30] US (61/924,154) 2014-01-06

[21] **2,920,955**
[13] A1

[51] **Int.Cl. A42B 3/12 (2006.01)**

[25] EN

[54] **HELMET LINER**

[54] **CHEMISAGE DE CASQUE**

[72] DEGOLIER, ERIC, GB

[72] TURVEY, ADAM, GB

[72] KARAOLIS, ALKIS, GB

[71] DESIGN BLUE LIMITED, GB

[85] 2016-02-10

[86] 2014-09-09 (PCT/GB2014/052726)

[87] (WO2015/033171)

[30] GB (1316036.1) 2013-09-09

[21] **2,920,957**
[13] A1

[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/18 (2006.01)**

[25] EN

[54] **BIOMANUFACTURING SUITE AND METHODS FOR LARGE-SCALE PRODUCTION OF CELLS, VIRUSES, AND BIOMOLECULES**

[54] **ENFILADE DE BIOFABRICATION ET PROCEDE DE PRODUCTION A GRANDE ECHELLE DE CELLULES, VIRUS ET BIOMOLECULES**

[72] HIRSCHHEL, MARK, US

[72] WOJCIECHOWSKI, ROBERT J., US

[72] ARNESON, KIM, US

[71] BIOVEST INTERNATIONAL, INC., US

[85] 2016-02-10

[86] 2013-08-28 (PCT/US2013/057156)

[87] (WO2014/036187)

[30] US (61/694,184) 2012-08-28

[21] **2,920,959**
[13] A1

[51] **Int.Cl. E21B 47/02 (2006.01) E21B 7/08 (2006.01) E21B 47/12 (2012.01)**

[25] EN

[54] **CONTROL OF DRILL PATH USING SMOOTHING**

[54] **COMMANDE DE TRAJECTOIRE DE FORAGE A L'AIDE DE TIR MENAGE**

[72] DYKSTRA, JASON D., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-02-10

[86] 2013-10-11 (PCT/US2013/064572)

[87] (WO2015/053782)

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[21] **2,920,960**
[13] A1

[51] **Int.Cl. A61B 17/02 (2006.01)**
[25] EN
[54] **THREE DIMENSIONAL TILT RACHET WITH SELF-RETAINING MECHANISM**
[54] **ROCHET A INCLINAISON TRIDIMENSIONNELLE AYANT UN MECANISME AUTOSTATIQUE**
[72] BOOKWALTER, JOHN, US
[72] REDMOND, KEVIN, US
[71] SPECIALTY SURGICAL INSTRUMENTATION INC, US
[85] 2016-02-10
[86] 2013-11-27 (PCT/US2013/072352)
[87] (WO2014/085669)
[30] US (61/730,536) 2012-11-28
[30] US (14/089,975) 2013-11-26

[21] **2,920,961**
[13] A1

[51] **Int.Cl. E01B 9/68 (2006.01)**
[25] EN
[54] **RAIL-MOUNTING ASSEMBLY**
[54] **SYSTEME DE FIXATION DE RAIL**
[72] BUDA, ROLAND, DE
[71] SCHWIHAG AG, CH
[85] 2016-02-10
[86] 2014-09-03 (PCT/EP2014/068752)
[87] (WO2015/036304)
[30] DE (10 2013 218 424.7) 2013-09-13

[21] **2,920,962**
[13] A1

[51] **Int.Cl. E21B 47/14 (2006.01) E21B 47/04 (2012.01)**
[25] EN
[54] **ENCODED DRIVING PULSES FOR A RANGE FINDER**
[54] **IMPULSIONS D'ENTRAINEMENT CODEES POUR UN TELEMETRE**
[72] TRACADAS, PHILIP W., US
[72] COOPER, PAUL, US
[72] COLLINS, MARK, US
[72] STEVENSON, GEORGE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-10
[86] 2013-12-31 (PCT/US2013/078461)
[87] (WO2015/102611)

[21] **2,920,963**
[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01)**
[25] EN
[54] **METHODS AND DEVICES FOR JOINT MULTICHANNEL CODING**
[54] **PROCEDES ET DISPOSITIFS POUR UN CODAGE MULTICANAL CONJOINT**
[72] KJOERLING, KRISTOFER, SE
[72] MUNDT, HARALD, DE
[72] PURNHAGEN, HEIKO, SE
[71] DOLBY INTERNATIONAL AB, NL
[85] 2016-02-10
[86] 2014-09-08 (PCT/EP2014/069043)
[87] (WO2015/036351)
[30] US (61/877,189) 2013-09-12

[21] **2,920,965**
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/34 (2012.01) G06Q 20/42 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CORRELATING CARDHOLDER IDENTITY ATTRIBUTES ON A PAYMENT CARD NETWORK TO DETERMINE PAYMENT CARD FRAUD**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE METTRE EN CORRELATION DES ATTRIBUTS D'IDENTITE DE DETENUEUR DE CARTE SUR UN RESEAU DE CARTES DE PAIEMENT AFIN DE DETERMINER LES FRAUDES PAR CARTES DE PAIEMENT**
[72] GROARKE, PETER J., IE
[72] WIESMAN, MARK B., US
[72] CHISHOLM, JOHN DELTON, US
[72] LONE, ISHFAQ A., IE
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2016-02-10
[86] 2014-07-07 (PCT/US2014/045598)
[87] (WO2015/009477)
[30] US (13/943,461) 2013-07-16

[21] **2,920,967**
[13] A1

[51] **Int.Cl. E21B 33/13 (2006.01) E21B 7/06 (2006.01) E21B 29/06 (2006.01)**
[25] EN
[54] **METHOD FOR ESTABLISHMENT OF A NEW WELL PATH FROM AN EXISTING WELL**
[54] **PROCEDE D'ETABLISSEMENT D'UN NOUVEAU TRAJET DE Puits A PARTIR D'UN Puits EXISTANT**
[72] MYHRE, MORTEN, NO
[72] LARSEN, ARNE GUNNAR, NO
[72] JENSEN, ROY INGE, NO
[72] ANDERSEN, PATRICK, NO
[72] DAHL, ARNT OLAV, NO
[72] ENGELSGJERD, ERLEND, NO
[72] IUELL, MARKUS, NO
[72] OSTVOLD, ARNOLD, NO
[71] HYDRA SYSTEMS AS, NO
[85] 2016-02-10
[86] 2014-08-12 (PCT/NO2014/050145)
[87] (WO2015/023190)
[30] NO (20131123) 2013-08-16

[21] **2,920,969**
[13] A1

[51] **Int.Cl. C30B 29/06 (2006.01) C01B 33/037 (2006.01) H01L 31/18 (2006.01)**
[25] EN
[54] **MULTICRYSTALLINE SILICON INGOTS, SILICON MASTERALLOY, METHOD FOR INCREASING THE YIELD OF MULTICRYSTALLINE SILICON INGOTS FOR SOLAR CELLS**
[54] **LINGOTS DE SILICIUM MULTICRYSTALLIN, ALLIAGE MERE DE SILICIUM, PROCEDE VISANT A AUGMENTER LE RENDEMENT DE LINGOTS DE SILICIUM MULTICRYSTALLIN POUR PHOTOPILES SOLAIRES**
[72] HALVORSEN, GUNNAR, NO
[72] SOILAND, ANNE-KARIN, NO
[71] ELKEM SOLAR AS, NO
[85] 2016-02-10
[86] 2014-09-09 (PCT/NO2014/050165)
[87] (WO2015/034373)
[30] NO (20131216) 2013-09-09
[30] NO (PCT/NO2013/000046) 2013-10-01
[30] NO (20140621) 2014-05-15

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[21] **2,920,970**
[13] A1

[51] **Int.Cl. F02K 9/00 (2006.01) F41A 19/13 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **ENGINE PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION DE MOTEUR**
[72] MILLER, DERRICK, US
[71] MILLER, DERRICK, US
[85] 2016-02-10
[86] 2014-07-10 (PCT/US2014/046231)
[87] (WO2015/006611)
[30] US (61/844,753) 2013-07-10
[30] US (14/300,043) 2014-06-09

[21] **2,920,972**
[13] A1

[51] **Int.Cl. G01B 5/08 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR FORMING GROOVES IN PIPE ELEMENTS**
[54] **PROCEDE ET DISPOSITIF DE FORMATION DE RAINURES DANS DES ELEMENTS DE CONDUITE**
[72] PUZIO, MATTHEW J., US
[72] DOLE, DOUGLAS R., US
[72] PRICE, ANTHONY, US
[72] VICARIO, DANIEL B., US
[71] VICTAULIC COMPANY, US
[85] 2016-02-10
[86] 2014-07-18 (PCT/US2014/047159)
[87] (WO2015/023391)
[30] US (13/964,671) 2013-08-12

[21] **2,920,974**
[13] A1

[51] **Int.Cl. F16D 65/097 (2006.01) F16D 55/226 (2006.01)**
[25] EN
[54] **BRAKE PAD OF A DISK BRAKE, AND DISK BRAKE**
[54] **GARNITURE DE FREIN A DISQUE ET FREIN A DISQUE**
[72] GRAAF, JUTTA, DE
[72] SCHROPP, JOSEF, DE
[72] SCHONAUER, MANFRED, DE
[71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
[85] 2016-02-10
[86] 2014-08-14 (PCT/EP2014/002247)
[87] (WO2015/022080)
[30] DE (10 2013 013 687.3) 2013-08-16

[21] **2,920,975**
[13] A1

[51] **Int.Cl. F16D 65/097 (2006.01)**
[25] EN
[54] **LINING RETAINING SPRING FOR A BRAKE LINING AND BRAKE LINING RETAINER FOR A DISC BRAKE ON A MOTOR VEHICLE**
[54] **RESSORT DE RETENUE D'UNE GARNITURE DE FREIN ET ELEMENT DE RETENUE DE GARNITURE DE FREIN POUR FREIN A DISQUE D'UN VEHICULE AUTOMOBILE**
[72] GASSLBAUER, FRANZ, DE
[71] KNORR-BREMSE SYSTEME FUR NUTZFAHRZEUGE GMBH, DE
[85] 2016-02-10
[86] 2014-08-14 (PCT/EP2014/002248)
[87] (WO2015/022081)
[30] DE (10 2013 013 686.5) 2013-08-16

[21] **2,920,977**
[13] A1

[51] **Int.Cl. H04B 7/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR EXTENDING COVERAGE IN A WIRELESS COMMUNICATION SYSTEM**
[54] **PROCEDE ET APPAREIL POUR ETENDRE UNE COUVERTURE DANS UN SYSTEME DE COMMUNICATION SANS FIL**
[72] PHANG, WAYNE M., US
[72] KHAN, SHAKHEEB Z., US
[71] MOTOROLA SOLUTIONS, INC., US
[85] 2016-02-10
[86] 2014-07-28 (PCT/US2014/048343)
[87] (WO2015/023421)
[30] US (13/967,496) 2013-08-15

[21] **2,920,982**
[13] A1

[51] **Int.Cl. B42D 25/00 (2014.01) B42D 25/324 (2014.01) B42D 25/328 (2014.01) B42D 25/373 (2014.01) B42D 25/435 (2014.01) B42D 25/47 (2014.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRODUCING AN INDIVIDUALIZED SECURITY ELEMENT**
[54] **SYSTEME ET PROCEDE DE REALISATION D'UN ELEMENT DE SECURITE INDIVIDUALISE**
[72] STAUB, RENE, CH
[72] STREB, CHRISTINA, CH
[72] OZDEMIR, ATTILA, CH
[72] MULLER, THOMAS, CH
[71] OVD KINEGRAM AG, CH
[85] 2016-02-10
[86] 2014-08-08 (PCT/EP2014/067064)
[87] (WO2015/024797)
[30] DE (10 2013 108 906.2) 2013-08-19

[21] **2,920,983**
[13] A1

[51] **Int.Cl. F01D 9/04 (2006.01) F01D 25/24 (2006.01)**
[25] FR
[54] **IMPROVEMENT FOR THE LOCKING OF BLADE-SUPPORTING COMPONENTS**
[54] **AMELIORATION POUR LE VERROUILLAGE DE PIECES DE SUPPORT D'AUBAGE**
[72] ROSSET, PATRICE JEAN-MARC, FR
[72] GUERARD, CORALIE, FR
[72] CONDAT, HELENE, FR
[72] PRESTEL, SEBASTIEN, FR
[71] SNECMA, FR
[85] 2016-02-10
[86] 2014-08-11 (PCT/FR2014/052079)
[87] (WO2015/022468)
[30] FR (1357982) 2013-08-13

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[21] **2,920,985**
[13] A1

[51] **Int.Cl. A61C 13/00 (2006.01) A61C 8/00 (2006.01)**

[25] EN

[54] **HOLDING DEVICE FOR AN ABUTMENT BLANK, SYSTEM COMPRISING THE RETAINER AND THE ABUTMENT BLANK, AND METHOD FOR RETAINING AND MACHINING THE ABUTMENT BLANK**

[54] **DISPOSITIF DE MAINTIEN POUR UNE EBAUCHE DE BUTEE, SYSTEME CONSTITUE PAR LE DISPOSITIF DE MAINTIEN ET L'EBAUCHE DE BUTEE ET PROCEDE POUR MAINTENIR ET USINER L'EBAUCHE DE BUTEE**

[72] FIX, FRANK, DE
[71] MEDENTIKA GMBH, DE
[85] 2016-02-10
[86] 2014-08-11 (PCT/EP2014/067176)
[87] (WO2015/022296)
[30] EP (13180431.2) 2013-08-14
[30] EP (13198878.4) 2013-12-20

[21] **2,920,986**
[13] A1

[51] **Int.Cl. A61F 5/05 (2006.01) A61F 5/37 (2006.01)**

[25] EN

[54] **ARM IMMOBILIZATION DEVICE AND ASSOCIATED METHODS**

[54] **DISPOSITIF D'IMMOBILISATION DE BRAS ET PROCEDES ASSOCIES**

[72] LO, IAN K.Y., CA
[71] SOTERIA INDUSTRIES, INC., CA
[85] 2016-02-10
[86] 2014-08-14 (PCT/IB2014/002552)
[87] (WO2015/033226)
[30] US (61/865,670) 2013-08-14

[21] **2,920,987**
[13] A1

[51] **Int.Cl. C08K 5/3435 (2006.01) C08L 33/26 (2006.01)**

[25] EN

[54] **STABILISED COMPOSITIONS COMPRISING ACRYLAMIDE POLYMERS AND PROCESS FOR TERTIARY MINERAL OIL PRODUCTION USING THESE COMPOSITIONS**

[54] **COMPOSITIONS STABILISEES CONTENANT DES POLYMERES ACRYLAMIDE ET PROCEDE D'EXTRACTION DE PETROLE TERTIAIRE A L'AIDE DE CES COMPOSITIONS**

[72] REICHENBACH-KLINKE, ROLAND, DE
[72] SCHONING, KAI-UWE, CH
[72] ROTZINGER, BRUNO, CH
[72] LANGLOTZ, BJORN, DE
[71] BASF SE, DE
[85] 2016-02-10
[86] 2014-08-14 (PCT/EP2014/067444)
[87] (WO2015/024865)
[30] EP (13181338.8) 2013-08-22
[30] EP (14164734.7) 2014-04-15

[21] **2,920,989**
[13] A1

[51] **Int.Cl. B61L 25/02 (2006.01) G01C 21/16 (2006.01)**

[25] EN

[54] **VEHICLE-BASED POSITIONING SYSTEM AND METHOD OF USING THE SAME**

[54] **SYSTEME DE POSITIONNEMENT EMBARQUE DANS UN VEHICULE ET PROCEDE D'UTILISATION DE CELUI-CI**

[72] KIMIAGAR, EHSAN, CA
[72] WHITWAM, FIRTH, CA
[71] THALES CANADA INC., CA
[85] 2016-02-10
[86] 2014-07-23 (PCT/IB2014/063358)
[87] (WO2015/022591)
[30] US (13/966,798) 2013-08-14

[21] **2,920,991**
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DERIVATIVES OF 1 H-PYRAZOLO[3,4-B]PYRIDINE AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF PROLIFERATIVE DISORDERS**

[54] **DERIVES DE 1H-PYRAZOLO[3,4-B]PYRIDINE ET SES COMPOSITIONS PHARMACEUTIQUES PERMETTANT LE TRAITEMENT DE TROUBLES PROLIFERATIFS**

[72] SANIERE, LAURENT RAYMOND MAURICE, FR
[72] HUCK, JACQUES, FR
[72] DYKES, GRAEME JAMES, GB
[72] SCHMITT, BENOIT ANTOINE, BE
[72] BLANC, JAVIER, ES
[72] BUTLER, ANNA SARA, GB
[72] BEAUMONT, STEPHANE NICOLAS ALAIN, FR
[72] BONNATERRE, FLORENCE MARIE-EMILIE, FR
[71] GALAPAGOS NV, BE
[85] 2016-02-10
[86] 2014-08-18 (PCT/EP2014/067574)
[87] (WO2015/024905)
[30] GB (1315072.7) 2013-08-23

[21] **2,920,992**
[13] A1

[51] **Int.Cl. C07C 29/00 (2006.01) C07C 31/20 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF GLYCOLS**

[54] **PROCEDE DE PREPARATION DE GLYCOLS**

[72] VAN DER HEIDE, EVERT, NL
[72] HUIZENGA, PIETER, NL
[72] WAGLE, GOVINDA SUBBANNA, IN
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2016-02-10
[86] 2014-08-22 (PCT/EP2014/067885)
[87] (WO2015/028398)
[30] EP (13181707.4) 2013-08-26

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[21] **2,920,993**
[13] A1

[51] **Int.Cl. C08C 19/34 (2006.01) C08F 290/12 (2006.01) C08F 299/00 (2006.01) C09J 4/06 (2006.01) C09J 113/00 (2006.01)**

[25] EN

[54] **MODIFIED LIQUID DIENE-BASED RUBBER AND PRODUCTION PROCESS FOR THE SAME**

[54] **CAOUTCHOUC DIENE LIQUIDE MODIFIE ET SON PROCEDE DE PRODUCTION**

[72] MOTODA, SATOSHI, JP
[72] HIRATA, KEI, JP
[71] KURARAY CO., LTD., JP
[85] 2016-02-10
[86] 2014-11-27 (PCT/JP2014/081367)
[87] (WO2015/083608)
[30] JP (2013-251127) 2013-12-04
[30] JP (2014-141212) 2014-07-09

[21] **2,920,994**
[13] A1

[51] **Int.Cl. F02B 37/00 (2006.01) F02B 33/34 (2006.01) F02B 37/12 (2006.01)**

[25] EN

[54] **TURBINE HOUSING**

[54] **CARTER DE TURBINE**

[72] SLOSS, CLAYTON A., CA
[72] COULOMBE, JOSEPH GERALD JIMMIE, CA
[71] WESCAST INDUSTRIES, INC., CA
[85] 2016-02-10
[86] 2014-07-24 (PCT/IB2014/063391)
[87] (WO2015/022592)
[30] US (61/866,641) 2013-08-16
[30] US (14/338,579) 2014-07-23

[21] **2,920,995**
[13] A1

[51] **Int.Cl. H04W 36/28 (2009.01) H04W 24/04 (2009.01) H04W 36/38 (2009.01)**

[25] EN

[54] **METHOD FOR PROCESSING RADIO LINK FAILURE IN MULTIPLE BASE STATION CONNECTIVITY BASED RADIO COMMUNICATION SYSTEM, AND APPARATUS FOR SAME**

[54] **PROCEDE POUR TRAITER UN ECHEC DE LIAISON RADIO DANS UN SYSTEME DE RADIOCOMMUNICATION BASE SUR UNE CONNECTIVITE A DE MULTIPLES STATIONS DE BASE, ET APPAREIL ASSOCIE**

[72] ANSHUMAN, NIGAM, IN
[72] MOOM, JUNGMIN, KR
[72] JUNG, JUNGSOO, KR
[72] RYOO, SUNHEUI, KR
[72] LEE, SUNGJIN, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2016-02-10
[86] 2014-07-24 (PCT/KR2014/006764)
[87] (WO2015/023067)
[30] IN (948/KOL/2013) 2013-08-12
[30] KR (10-2013-0136482) 2013-11-11
[30] IN (361/KOL/2014) 2014-03-21
[30] KR (10-2014-0050293) 2014-04-25

[21] **2,920,997**
[13] A1

[51] **Int.Cl. F16K 31/122 (2006.01) F16K 31/06 (2006.01)**

[25] EN

[54] **VALVE DEVICE**

[54] **DISPOSITIF DE SOUPAPE**

[72] ITO, NOBORU, JP
[72] NINOMIYA, MAKOTO, JP
[72] NOMICHI, KAORU, JP
[72] KATOH, KODAI, JP
[72] YOSHIDA, KATSU, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2016-02-10
[86] 2014-08-21 (PCT/JP2014/004312)
[87] (WO2015/033528)
[30] JP (2013-181910) 2013-09-03

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[13] A1

[51] **Int.Cl. D03D 1/00 (2006.01) D03D 11/00 (2006.01)**

[25] EN

[54] **INDUSTRIAL TWO-LAYERED FABRIC**

[54] **TISSU DOUBLE COUCHE INDUSTRIEL**

[72] EGAWA, TORU, JP
[72] TAKAHASHI, FUMIHITO, JP
[71] NIPPON FILCON CO., LTD, JP
[85] 2016-02-10
[86] 2014-03-04 (PCT/JP2014/055359)
[87] (WO2015/132867)

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[25] EN	[25] EN	[25] EN
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[54] NANOTECHNOLOGIE DES VACCINS	[54] TECHNIQUES DE SYNDICATION AUTOMATIQUE DE CONTENU SUR UN RESEAU	[54] PROCEDES ET AGENTS PERMETTANT DE DETECTER LE PARECHOVIRUS
[72] VON ANDRIAN, ULRICH, US	[72] STICH, CHRISTIAN E., US	[72] NIX, WILLIAM, US
[72] FAROKHZAD, OMID C., US	[72] HOWELL, GARETH, US	[72] OBERSTE, M. STEVEN, US
[72] LANGER, ROBERT S., US	[72] DAVIS, TRISTAN, US	[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION, US
[72] JUNT, TOBIAS, DE	[72] PARISH, DAN, US	[22] 2006-05-01
[72] MOSEMAN, ELLIOTT ASHLEY, US	[72] MEGIDDO, ERAN, US	[41] 2007-11-22
[72] ZHANG, LIANGFANG, US	[72] DER, SHERMAN, US	[62] 2,651,123
[72] BASTO, PAMELA, US	[72] RAMBHARACK, JEFF, US	
[72] IANNAcone, MATTEO, US	[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US	
[72] ALEXIS, FRANK, US	[22] 2009-11-10	
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US	[41] 2010-07-08	
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US	[62] 2,743,124	
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US	[30] US (12/337,463) 2008-12-17	
[71] THE CHILDREN'S MEDICAL CENTER CORPORATION, US		
[22] 2008-10-12	[21] 2,918,616 [13] A1	[21] 2,919,219 [13] A1
[41] 2009-04-23	[51] Int.Cl. A61M 25/095 (2006.01) A61B 5/06 (2006.01) A61B 18/14 (2006.01)	[51] Int.Cl. C02F 1/00 (2006.01) B09C 1/00 (2006.01) C02F 3/00 (2006.01)
[62] 2,702,083	[25] EN	[25] EN
[30] US (60/979,596) 2007-10-12	[54] CATHETER WITH PRESSURE SENSING	[54] APPARATUS, SYSTEM AND METHOD FOR REMEDIATION OF CONTAMINATION
[21] 2,918,208 [13] A1	[54] CATHETER AVEC DETECTION DE PRESSION	[54] APPAREIL, SYSTEME ET PROCEDE D'ASSAINISSEMENT D'UNE CONTAMINATION
[51] Int.Cl. G06F 17/30 (2006.01) H04L 12/16 (2006.01)	[72] GOVARI, ASSAF, IL	[72] KRYZAK, THOMAS, US
[25] EN	[72] ALTMANN, ANDRES CLAUDIO, IL	[71] KRYZAK, THOMAS, US
[54] SEARCH INTENT FOR QUERIES ON ONLINE SOCIAL NETWORKS	[72] EPHRATH, YARON, IL	[22] 2005-08-05
[54] INTENTION DE RECHERCHE POUR DES INTERROGATIONS SUR DES RESEAUX SOCIAUX EN LIGNE	[72] SCHWARTZ, YITZHACK, IL	[41] 2006-02-23
[72] RAINA, RAJAT, US	[71] BIOSENSE WEBSTER, INC., US	[62] 2,836,681
[72] DHAMDHERE, KEDAR, US	[22] 2008-10-08	[30] US (10/918,257) 2004-08-13
[72] CHATOT, OLIVIER, US	[41] 2009-04-08	
[71] FACEBOOK, INC., US	[62] 2,640,817	
[22] 2014-04-30	[30] US (11/868,733) 2007-10-08	
[41] 2014-11-06		
[62] 2,910,876		
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[21] **2,919,286**
[13] A1

[51] **Int.Cl. A61M 16/20 (2006.01) A61M 15/00 (2006.01)**

[25] EN

[54] **AEROSOL DELIVERY APPARATUS WITH POSITIVE EXPIRATORY PRESSURE CAPACITY**

[54] **APPAREIL AEROSOL AVEC UNE CAPACITE DE PRESSION EXPIRATOIRE POSITIVE**

[72] SCHMIDT, JAMES, CA
[72] BLACKER, RICK, CA
[72] ENGELBRETH, DANIEL, CA
[71] TRUDELL MEDICAL INTERNATIONAL, CA

[22] 2001-04-11
[41] 2001-10-18
[62] 2,826,724
[30] US (60/196,555) 2000-04-11

[21] **2,919,431**
[13] A1

[51] **Int.Cl. C08L 27/18 (2006.01) C08L 23/28 (2006.01) C09D 123/28 (2006.01) C09D 127/18 (2006.01)**

[25] EN

[54] **BLENDED FLUOROPOLYMER COMPOSITIONS**

[54] **COMPOSITIONS DE POLYMERES FLUORES MELANGES**

[72] HARVEY, LEONARD W., US
[72] COATES, MICHAEL, US
[72] WRIGHT, JULIE K., US
[71] WHITFORD CORPORATION, US

[22] 2009-05-19
[41] 2009-12-03
[62] 2,725,349
[30] US (61/057,597) 2008-05-30
[30] US (61/100,311) 2008-09-26
[30] US (61/145,433) 2009-01-16
[30] US (61/145,875) 2009-01-20

[21] **2,919,518**
[13] A1

[51] **Int.Cl. E06B 9/323 (2006.01) A47H 1/104 (2006.01) E06B 9/32 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR A MODULAR, LOCKING HEADRAIL-RETENTION MECHANISM**

[54] **SYSTEME ET PROCEDE POUR UN MECANISME DE RETENUE DE RAIL SUPERIEUR VERROUILLABLE MODULAIRE**

[72] COTLAR, DANIEL H., US
[72] COKER, TULUHAN, TR
[72] COKER, BERK, TR
[71] GLOBAL CUSTOM COMMERCE INC., US

[22] 2013-09-25
[41] 2014-03-27
[62] 2,828,235
[30] US (13/629,140) 2012-09-27

[21] **2,919,564**
[13] A1

[51] **Int.Cl. C07K 5/062 (2006.01) A61K 31/198 (2006.01) A61K 38/05 (2006.01) C07C 279/14 (2006.01)**

[25] EN

[54] **NOVEL POLYMORPHIC FORMS OF PERINDOPRIL (L)-ARGININE AND PROCESS FOR THE PREPARATION THEREOF**

[54] **NOUVELLES FORMES POLYMORPHES DE PERINDOPRIL (L)-ARGININE ET PROCESSUS DE PREPARATION CORRESPONDANTS**

[72] JETTI, RAMAKOTESWARA RAO, IN
[72] RAVAL, CHETAN KANAIYALAL, IN
[72] AGGI, RAMIREDDY BOMMAREDDY, IN
[72] DATTA, DEBASHISH, IN
[71] MYLAN LABORATORIES LIMITED, IN

[22] 2009-06-22
[41] 2009-12-30
[62] 2,729,604
[30] IN (1535/CHE/2008) 2008-06-24

[21] **2,919,813**
[13] A1

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 15/00 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **GENE CAPABLE OF INCREASING SEED PROTEIN CONTENT AND METHOD OF USE THEREOF**

[54] **GENE CAPABLE D'AUGMENTER LA TENEUR EN PROTEINES DANS UNE SEMENCE, ET SON PROCEDE D'UTILISATION**

[72] YONEKURA, MADOKA, JP
[72] OHTO, CHIKARA, JP
[72] MURAMOTO, NOBUHIKO, JP
[72] MITSUKAWA, NORIHIRO, JP
[72] TAKAGI, MASARU, JP
[72] MATSUI, KYOKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[22] 2010-06-04
[41] 2010-12-09
[62] 2,764,563
[30] JP (2009-135195) 2009-06-04

[21] **2,919,815**
[13] A1

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C07K 5/00 (2006.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 15/00 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **GENE CAPABLE OF INCREASING SEED PROTEIN CONTENT AND METHOD OF USE THEREOF**

[54] **GENE CAPABLE D'AUGMENTER LA TENEUR EN PROTEINES DANS UNE SEMENCE, ET SON PROCEDE D'UTILISATION**

[72] YONEKURA, MADOKA, JP
[72] OHTO, CHIKARA, JP
[72] MURAMOTO, NOBUHIKO, JP
[72] MITSUKAWA, NORIHIRO, JP
[72] TAKAGI, MASARU, JP
[72] MATSUI, KYOKO, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[22] 2010-06-04
[41] 2010-12-09
[62] 2,764,563
[30] JP (2009-135195) 2009-06-04

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **2,919,816**
[13] A1

[51] **Int.Cl. C12N 15/29 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C07K 7/06 (2006.01) C07K 14/415 (2006.01) C07K 19/00 (2006.01) C12N 15/62 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **GENE CAPABLE OF INCREASING SEED PROTEIN CONTENT AND METHOD OF USE THEREOF**

[54] **GENE CAPABLE D'AUGMENTER LA TENEUR EN PROTEINES DANS UNE SEMENCE, ET SON PROCEDE D'UTILISATION**

[72] YONEKURA, MADOKA, JP

[72] OHTO, CHIKARA, JP

[72] MURAMOTO, NOBUHIKO, JP

[72] MITSUKAWA, NORIHIRO, JP

[72] TAKAGI, MASARU, JP

[72] MATSUI, KYOKO, JP

[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[22] 2010-06-04

[41] 2010-12-09

[62] 2,764,563

[30] JP (2009-135195) 2009-06-04

[21] **2,919,921**
[13] A1

[51] **Int.Cl. A61M 5/172 (2006.01) A61B 5/145 (2006.01) A61B 5/1486 (2006.01) A61M 5/142 (2006.01)**

[25] EN

[54] **MODEL PREDICTIVE METHOD AND SYSTEM FOR CONTROLLING AND SUPERVISING INSULIN INFUSION**

[54] **PROCEDE ET SYSTEME A MODELE PREDICTIF POUR CONTROLER ET SURVEILLER UNE PERFUSION D'INSULINE**

[72] STEIL, GARRY M., US

[72] KANDERIAN, SAMI S., JR., US

[72] CANTWELL, MARTIN T., US

[72] HOSS, UDO, US

[71] MEDTRONIC MINIMED, INC., US

[22] 2007-12-21

[41] 2008-08-07

[62] 2,672,589

[30] US (11/700666) 2007-01-31

[21] **2,920,012**
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) B44C 5/04 (2006.01)**

[25] EN

[54] **FLOOR PANEL**

[54] **PANNEAU DE SOL**

[72] MEERSSEMAN, LAURENT, BE

[72] VANHASTEL, LUC, BE

[71] FLOORING INDUSTRIES LIMITED, SARL, LU

[22] 2011-06-21

[41] 2012-01-12

[62] 2,798,848

[30] BE (BE2010/0420) 2010-07-09

[30] BE (BE2010/0602) 2010-10-12

[30] BE (BE2010/0705) 2010-11-25

[30] BE (BE2010/0713) 2010-11-29

[30] BE (BE2010/0719) 2010-12-02

[30] US (61/426,734) 2010-12-23

[30] US (61/429,845) 2011-01-05

[30] BE (BE2011/0128) 2011-02-23

[30] BE (BE2011/0247) 2011-04-28

[30] IB (PCT/IB2011/051884) 2011-04-28

[30] IB (PCT/IB2011/051886) 2011-04-28

[21] **2,920,124**
[13] A1

[51] **Int.Cl. A61H 31/00 (2006.01)**

[25] EN

[54] **COMPRESSION BELT SYSTEM FOR USE WITH CHEST COMPRESSION DEVICES**

[54] **SYSTEME DE COURROIE DE COMPRESSION A UTILISER AVEC DES DISPOSITIFS DE COMPRESSION THORACIQUE**

[72] KATZ, BOB H., US

[72] ESCUDERO, PAUL Q., US

[72] QUINTANA, REYNALDO J., US

[72] SWINEHART, CHARLES E., US

[72] HALL, GREGORY W., US

[72] DALBEC, TIMOTHY R., US

[71] ZOLL CIRCULATION, INC., US

[22] 2004-10-14

[41] 2005-04-28

[62] 2,779,585

[30] US (10/686,184) 2003-10-14

[30] US (10/686,185) 2003-10-14

[30] US (10/686,186) 2003-10-14

[21] **2,920,126**
[13] A1

[51] **Int.Cl. D21C 1/00 (2006.01) B01J 19/08 (2006.01) B09B 3/00 (2006.01)**

[25] EN

[54] **PROCESSING BIOMASS AND PETROLEUM CONTAINING MATERIALS**

[54] **TRAITEMENT DE LA BIOMASSE ET MATERIAUX CONTENANT DU PETROLE**

[72] MEDOFF, MARSHALL, US

[71] XYLECO, INC., US

[22] 2009-04-28

[41] 2009-11-05

[62] 2,818,526

[30] US (61/049,406) 2008-04-30

[30] US (61/073,665) 2008-06-18

[30] US (12/417,699) 2009-04-03

[21] **2,920,134**
[13] A1

[51] **Int.Cl. B01J 19/08 (2006.01) C12P 7/02 (2006.01) C12P 7/10 (2006.01) C12P 7/16 (2006.01) C12P 19/02 (2006.01) C12P 19/14 (2006.01) C13K 1/02 (2006.01) D21C 1/00 (2006.01)**

[25] EN

[54] **PROCESSING BIOMASS AND PETROLEUM CONTAINING MATERIALS**

[54] **TRAITEMENT DE LA BIOMASSE ET MATERIAUX CONTENANT DU PETROLE**

[72] MEDOFF, MARSHALL, US

[71] XYLECO, INC., US

[22] 2009-04-28

[41] 2009-11-05

[62] 2,818,526

[30] US (61/049,406) 2008-04-30

[30] US (61/073,665) 2008-06-18

[30] US (12/417,699) 2009-04-03

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,920,320**
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2006.01) C12M 3/00 (2006.01) C12N 15/00 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR EXTRACTING AND PREPARING MULTIPLE CORN EMBRYOS SUITABLE FOR TISSUE CULTURE**

[54] **APPAREIL ET METHODE SERVANT A L'EXTRACTION ET A LA PREPARATION D'EMBRYONS DE MAIS MULTIPLES CONVENANT A LA CULTURE DE TISSUS**

[72] ADAMS, WHITNEY, US
[72] DAVIS, BRANDON, US
[72] KUCHER, LUBOMYR, US
[72] LOWE, BRENDA, US
[72] SPENCER, MICHAEL, US
[72] MANN, MICHAEL T., US
[71] MONSANTO TECHNOLOGY, LLC, US

[22] 2005-06-01
[41] 2006-03-02
[62] 2,810,288
[30] US (10/911,191) 2004-08-04
[30] US (11/054,330) 2005-02-09

[21] **2,920,322**
[13] A1

[51] **Int.Cl. F01D 25/18 (2006.01) F02C 7/06 (2006.01)**

[25] EN

[54] **GAS TURBINE OIL SCAVENGING SYSTEM**

[54] **SYSTEME DE RECUPERATION D'HUILE DANS UNE TURBINE A GAZ**

[72] ALECU, DANIEL T., CA
[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2008-08-21
[41] 2009-04-23
[62] 2,639,025
[30] US (11/876,859) 2007-10-23

[21] **2,920,386**
[13] A1

[51] **Int.Cl. G06F 21/44 (2013.01) G06F 21/73 (2013.01) G06F 21/76 (2013.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF DEVICE AUTHENTICATION INCLUDING FEATURES OF CIRCUIT TESTING AND VERIFICATION IN CONNECTION WITH KNOWN BOARD INFORMATION**

[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE DISPOSITIF COMPRENANT DES FONCTIONS D'ESSAI ET DE VERIFICATION DE CIRCUIT EN RAPPORT AVEC DES INFORMATIONS DE CARTE CONNUES**

[72] LA FEVER, GEORGE BERNARD, US
[72] FLAUM, ISER B., US
[71] ELECTRONIC WARFARE ASSOCIATES, INC., US

[22] 2012-10-26
[41] 2013-05-02
[62] 2,853,717
[30] US (61/552,074) 2011-10-27

[21] **2,920,416**
[13] A1

[51] **Int.Cl. C12N 15/56 (2006.01) C12N 15/113 (2010.01) G06F 19/10 (2011.01) A23K 20/189 (2016.01) A23L 33/125 (2016.01) A23L 33/18 (2016.01) A01H 5/00 (2006.01) A01K 67/027 (2006.01) A61K 8/66 (2006.01) A61K 38/47 (2006.01) C07H 21/04 (2006.01) C07K 14/00 (2006.01) C07K 14/195 (2006.01) C07K 16/40 (2006.01) C07K 19/00 (2006.01) C09K 8/035 (2006.01) C11D 3/386 (2006.01) C11D 7/42 (2006.01) C12C 7/00 (2006.01) C12C 11/00 (2006.01) C12N 5/10 (2006.01) C12N 5/16 (2006.01) C12N 9/26 (2006.01) C12N 11/00 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01) C12P 7/02 (2006.01) C12P 19/14 (2006.01) C12P 19/34 (2006.01) C12Q 1/40 (2006.01) C12Q 1/68 (2006.01) C13K 1/00 (2006.01) C13K 7/00 (2006.01) C40B 30/08 (2006.01) C40B 40/08 (2006.01) C40B 40/10 (2006.01) D06M 16/00 (2006.01) D21C 9/08 (2006.01)**

[25] EN

[54] **AMYLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM**

[54] **AMYLASES, ACIDES NUCLEIQUES CODANT CES AMYLASES ET METHODES DE PRODUCTION ET D'UTILISATION DES AMYLASES**

[72] CALLEN, WALTER, US
[72] RICHARDSON, TOBY, US
[72] FREY, GERHARD, US
[72] GRAY, KEVIN, US
[72] KEROVUO, JANNE S., US
[72] SLUPSKA, MALGORZATA, US
[72] BARTON, NELSON, US
[72] O'DONOGHUE, EILEEN, US
[72] MILLER, CARL, US
[71] BASF ENZYMES LLC, US

[22] 2004-03-08
[41] 2004-10-28
[62] 2,515,340
[30] US (10/385,305) 2003-03-06
[30] US (60/459,014) 2003-03-28

Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

[21] **2,920,422**
[13] A1

[51] **Int.Cl. F16C 11/06 (2006.01) H02P 7/025 (2016.01) B23Q 1/32 (2006.01) B23Q 1/44 (2006.01) B25J 9/12 (2006.01) H01F 7/16 (2006.01) H02K 41/02 (2006.01)**

[25] EN

[54] **PARALLEL KINEMATIC MECHANISM AND BEARINGS AND ACTUATORS THEREOF**

[54] **MECANISME CINEMATIQUE PARALLELE ET SES ROULEMENTS ET ACTIONNEURS**

[72] KROUGLICOF, NICK, CA
[72] RAHMAN, TAUFIQUR, CA
[72] MACNEIL, LEVI, CA
[72] MORGAN, MICHAEL, CA
[72] PANSARE, NIKHIL, CA
[72] HICKS, DION, CA
[72] ROBERTS, MATTHEW, CA
[71] GENESIS GROUP INC., CA
[22] 2013-09-12
[41] 2014-03-20
[62] 2,884,541
[30] US (61/700,080) 2012-09-12

[21] **2,920,424**
[13] A1

[51] **Int.Cl. G08B 17/04 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING A PRESSURE SENSOR**

[54] **PROCEDE DE FABRICATION D'UN CAPTEUR DE PRESSION**

[72] SMITH, PAUL D., GB
[72] RENNIE, PAUL, GB
[71] KIDDE TECHNOLOGIES, INC., US
[22] 2014-04-04
[41] 2014-10-30
[62] 2,848,426
[30] GB (1307802.7) 2013-04-30

[21] **2,920,518**
[13] A1

[51] **Int.Cl. H04W 12/06 (2009.01) H04W 4/02 (2009.01)**

[25] EN

[54] **USER AUTHENTICATION MANAGEMENT**

[54] **GESTION DE L'AUTHENTIFICATION D'UTILISATEURS**

[72] OZZIE, RAYMOND E., US
[72] OZZIE, JACK E., US
[72] GALVIN, THOMAS A., US
[72] PATEY, ERIC M., US
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[22] 2009-10-19
[41] 2010-04-29
[62] 2,737,777
[30] US (12/254,119) 2008-10-20

[21] **2,920,520**
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/79 (2014.01)**

[25] EN

[54] **TOURNAMENT GAME SYSTEM AND METHOD USING A TOURNAMENT GAME CARD**

[54] **SYSTEME DE MATCH DE TOURNOI ET PROCEDE UTILISANT UNE CARTE DUDIT MATCH**

[72] NGUYEN, BINH T., US
[72] PAULSEN, CRAIG A., US
[71] IGT, US
[22] 2004-08-06
[41] 2005-03-03
[62] 2,535,880
[30] US (10/642,937) 2003-08-18

[21] **2,920,551**
[13] A1

[51] **Int.Cl. H04W 4/08 (2009.01) H04W 24/00 (2009.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MULTIPLE SIMULTANEOUS GROUP COMMUNICATIONS IN A WIRELESS SYSTEM**

[54] **SYSTEME ET PROCEDE POUR COMMUNICATIONS DE GROUPE SIMULTANES MULTIPLES DANS UN SYSTEME SANS FIL**

[72] REICH, JASON ANTHONY, US
[72] CROCKETT, DOUGLAS MARION, US
[71] QUALCOMM INCORPORATED, US
[22] 2007-02-13
[41] 2007-08-30
[62] 2,776,268
[30] US (11/357,267) 2006-02-17

[21] **2,920,567**
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/30 (2016.01) A61B 17/16 (2006.01) A61B 17/17 (2006.01) A61B 17/34 (2006.01)**

[25] EN

[54] **SURGICAL NAVIGATION SYSTEM FOR GUIDING AN ACCESS MEMBER**

[54] **SYSTEME DE NAVIGATION CHIRURGICALE SERVANT A GUIDER UN ELEMENT D'ACCES**

[72] PATWARDHAN, RAVISH V., US
[71] INTERACTIVE NEUROSCIENCE CENTER, LLC, US
[22] 2008-02-01
[41] 2008-08-07
[62] 2,677,239
[30] US (60/887,719) 2007-02-01
[30] US (60/942,261) 2007-06-06

**Demandes canadiennes apparentées par division et
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,920,578**
[13] A1

[51] **Int.Cl. H04W 4/08 (2009.01) H04W
4/10 (2009.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR
MULTIPLE SIMULTANEOUS
GROUP COMMUNICATIONS IN A
WIRELESS SYSTEM**

[54] **SYSTEME ET PROCEDE POUR
COMMUNICATIONS DE GROUPE
SIMULTANEEES MULTIPLES
DANS UN SYSTEME SANS FIL**

[72] REICH, JASON ANTHONY, US
[72] CROCKETT, DOUGLAS MARION,
US

[71] QUALCOMM INCORPORATED, US

[22] 2007-02-13

[41] 2007-08-30

[62] 2,776,268

[30] US (11/357,267) 2006-02-17

[21] **2,920,727**
[13] A1

[51] **Int.Cl. C07D 209/02 (2006.01) A61K
31/401 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **HEPATITIS C VIRUS INHIBITORS**

[54] **INHIBITEURS DU VIRUS DE
L'HEPATITE C**

[72] PACK, SHAWN K., US
[72] TYMONKO, STEVEN, US
[72] PATEL, BHARAT P., US
[72] NATALIE, KENNETH J., JR., US
[72] BELEMA, MAKONEN, US
[71] BRISTOL-MYERS SQUIBB
HOLDINGS IRELAND, CH

[22] 2010-11-02

[41] 2011-05-19

[62] 2,780,790

[30] US (61/260,115) 2009-11-11

[30] US (61/378,806) 2010-08-31

[30] US (12/915,605) 2010-10-29

[21] **2,920,604**
[13] A1

[51] **Int.Cl. H04N 7/15 (2006.01) H04N
21/647 (2011.01) H04L 12/12
(2006.01)**

[25] EN

[54] **SYSTEM FOR DISTRIBUTING
VIDEO CONFERENCE
RESOURCES AMONG
CONNECTED PARTIES AND
METHODS THEREOF**

[54] **SYSTEME DE DISTRIBUTION DE
RESSOURCE DE
VIDEOCONFERENCE AUX
PARTIES CONNECTEES ET SES
METHODES**

[72] HILLIER, PETER MATTHEW, CA
[72] ARRUDA, PATRICE, CA
[71] MITEL NETWORKS
CORPORATION, CA

[22] 2012-09-18

[41] 2013-04-08

[62] 2,789,743

[30] US (13/317088) 2011-10-08

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BLACKBERRY LIMITED	2,794,976	ELI LILLY AND COMPANY	2,857,521	GUNTAUR, PAULA	2,725,298
BLACKBERRY LIMITED	2,815,569	ERIKSSON, SIVERT	2,717,864	GUO, HONGBAO	2,811,458
BLAKE, JAMES F.	2,692,502	ESHNER, DANIEL	2,723,907	GUO, HONGBAO	2,811,459
BLILEY, RICHARD GERALD	2,382,972	ESTRADA FLORES, LUIS	2,744,820	GUO, HONGBAO	2,811,743
BOCHNIK, MICHAEL	2,656,899	EVANS, MERLE E.	2,865,078	HALFON, ITZHAK	2,857,245
BOEHM, GUNTHER	2,576,562	EVONIK DEGUSSA GMBH	2,675,881	HALL, MICHAEL A.	2,786,594
BOHLIN, MARTIN HANS	2,812,649	FACEBOOK, INC.	2,857,598	HAMILTON, ALISTAIR	2,742,110
BOLHAR-NORDENKAMPF, JOHANNES	2,696,246	FATONE, PETER	2,779,438	HAN, WOO-JIN	2,787,006
BOUSAADA, JOHNNY	2,638,224	FAVERO, CEDRICK	2,761,821	HANEMAAAYER, VICTOIRE	2,871,305
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BRUKER DALTONICS, INC.	2,801,914	FERENZ, MICHAEL	2,675,881	HARRALL, SIMON J.	2,865,078
		FISHER-ROSEMOUNT SYSTEMS, INC.	2,675,240	HARTMAN, PETER G.	2,786,594
		FMI ACQUISITION, LLC	2,625,510	HASHEM, GHAZI J.	2,865,078
		FOREMAN, PAMELA	2,525,333	HATTENDORF, DOUGLAS	2,766,585
		FORTRESS IRON, LP	2,698,715	HEALTH RICERCA E SVILUPPO S.R.L.	2,657,370
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GAO, XIAOLIANG	2,859,935	HUR, NAM-HO	2,864,644	KWON, SUN-HYOUNG	2,864,630
GAPMED LIMITED	2,860,128	HUR, NAM-HO	2,864,647	KWON, SUN-HYOUNG	2,864,635
GARCIA, MERCEDES VICTORIA	2,897,723	HUR, NAM-HO	2,864,650	KWON, SUN-HYOUNG	2,864,640
GE ENERGY POWER CONVERSION TECHNOLOGY LTD	2,899,798	HUR, NAM-HO	2,864,650	KWON, SUN-HYOUNG	2,864,644
GENCOR INDUSTRIES, INC.	2,901,041	IMPERIAL OIL RESOURCES LIMITED	2,915,562	KWON, SUN-HYOUNG	2,864,647
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GIVE-N-GO HOCKEY LLC	2,900,802	JANELLE, LUC	2,879,045	LABRECQUE, MICHEL	2,900,390
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GOLLWITZER, CLAUDIA	2,898,745	JENSEN, MADS AABOE	2,900,208	LACKNER, JOHN MATHIAS, JR.	2,900,538
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BERGHOLT, MADS SYLVEST	2,920,765	NEUROMODULATION	CAHILL, WILLIAM R., JR.	2,920,839
BERLINGER, FLORIAN		CORPORATION	CAHILL, WILLIAM R., JR.	2,920,859
CONRAD JOSEPH	2,920,698	BOT, ARJEN	CAI, DONGQING	2,906,247
BERNIER, MARTIN	2,916,612	BOUFENZER, AMIR	CAI, DONGQING	2,906,252
BERRY PLASTICS		BOUL, PETER JAMES	CAI, DONGQING	2,906,265
CORPORATION	2,920,893	BOUL, PETER JAMES	CAI, ZHIJUN	2,920,660
BERTINATO, PETER	2,920,791	BOUL, PETER JAMES	CAMBRIDGE ENTERPRISE	
BERTSCHINGER, MARTIN	2,920,574	BOWEN, RYAN	LIMITED	2,920,377
BESTAOU-SPURR, NAIMA	2,920,687	BOWERS, STUART MICHAEL	CAMPBELL, JOHN CLAYTON	2,920,629
BFKW, LLC	2,920,544	BRANDNER, MARCO	CAPBRAN HOLDINGS, LLC	2,920,786
BHADURI, SUMIT	2,920,687	BRAVO GONZALEZ,	CARR, ANDREW	2,920,797
BICKELHAUPT, DOUGLAS G.	2,920,625	ROBERTO CARLOS	CARRERAS, CHRISTOPHER	2,920,856
BIO-CAT MICROBIALS LLC	2,920,729	BRETT, CHRISTOPHER	CARRIER, SACHA	2,916,612
BIOMET UK HEALTHCARE		RICHARD JAMES	CARVAJAL, GUSTAVO	
LIMITED	2,920,867	BREWER, CAROLINE M.	ADOLFO	2,920,603
BIOUNIVERSA S.R.L.	2,920,586	BREWER, CAROLINE M.	CATERPILLAR INC.	2,920,886
BIOVEST INTERNATIONAL,		BRISBIN, MARTIN PAUL	CATERPILLAR INC.	2,920,889
INC.	2,920,957	BRITISH AMERICAN	CATERPILLAR INC.	2,920,892
BISWAS, PRANTIK GUHA	2,920,635	TOBACCO	CATWRIGHT, LUKE	2,920,545
BLACKBERRY LIMITED	2,920,657	(INVESTMENTS) LIMITED	CCP TECHNOLOGY GMBH	2,920,696
BLACKBERRY LIMITED	2,920,660	BRITTON, DAVID	CELLIER, DAMIEN JOSEPH	2,920,335
BLACKOWIAK, STEVE	2,920,846	BRIX, PETER	CELLRESIN TECHNOLOGIES,	
BLAIS, PATRICK	2,916,612	BROCKER, FELIX	LLC	2,919,398
BLANC, JAVIER	2,920,991	BROKHMANN, TATYANA	CELLULAR SOUTH, INC DBA	
BLANCHARD, CARINE	2,920,942	BROMMER, CHAD	C SPIRE WIRE WIRELESS	2,920,795
BLAND, BRIAN W.	2,920,895	BROMMER, CHAD	CERNER INNOVATION, INC.	2,920,530
BLANKENSHIP, YUFEI WU	2,920,657	BROOKE, DAVID ANDREW	CERUOLO, MELISSA	2,920,485
BLANKENSHIP, YUFEI WU	2,920,660	BROTHERS, LANCE EVERETT	CHAN, IVAN HO	2,920,679
BLEY, ULRICH	2,920,448	BROTHERS, LANCE EVERETT	CHAN, WEN	2,920,523
BLEY, ULRICH	2,920,450	BROUSSARD, FLOYD LOUIS,	CHAN, WEN	2,920,619
BLOMGREN, RICHARD DEAN	2,920,852	III	CHAN, WEN	2,920,621
BLUE SKY MARINE, LLC	2,920,625	BROWN, DONN J.	CHANG, LIU	2,920,884
BLUMENTHAL, SCOTT L.	2,920,576	BROWN, GEOFFREY A.	CHANG, YU-LIN	2,920,413
BLUTEL, PHILIPPE	2,919,930	BUCHGRABER, PHILIPP	CHAPUT, NATHALIE	2,920,539
		BUCHGRABER, PHILIPP	CHARMOT, DOMINIQUE	2,920,856
		BUCHSTALLER, HANS-PETER	CHAU, MARK	2,920,865

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CHEN, JUN	2,920,534	COMMUNICATIONS LLC	2,920,840	DHAMDHARE, GIRIJA	2,920,313
CHEN, TING	2,920,492	CORNING OPTICAL		DIAMOND INNOVATIONS,	
CHEN, WANSHI	2,920,904	COMMUNICATIONS RF		INC.	2,920,837
CHEN, YI-WEN	2,920,413	LLC	2,920,842	DIAZ PEREZ, VICTOR M.	2,920,797
CHEN, ZHIYING	2,920,408	CORTELING, RANDOLPH	2,920,948	DIEKEVERS, MARK S.	2,920,886
CHINA PETROLEUM &		COSTA LIMITED	2,920,953	DIEKEVERS, MARK S.	2,920,889
CHEMICAL		COULOMBE, JOSEPH GERALD		DIEKEVERS, MARK S.	2,920,892
CORPORATION	2,920,932	JIMMIE	2,920,994	DIETL, HANS	2,920,807
CHINA PETROLEUM &		COURTADE, SERGIO FABIO	2,920,511	DIETZ, LISA	2,920,559
CHEMICAL		CREWS, JAMES B.	2,920,687	DIETZ, LISA	2,920,565
CORPORATION		CROFTON, ANDREW	2,920,653	DING, ZHIMING	2,920,935
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CHISHOLM, JOHN DELTON	2,920,965	CUNE CASTELLANA, JORDI	2,920,461	DOAN, BRIAN HUNG	2,920,728
CHIYODA CORPORATION	2,920,460	CUSELL, LEONARD	2,920,547	DOBOS, JUDIT	2,920,754
CHOI, GILWOO	2,920,848	CUTMORE, DAVID	2,920,744	DODD, CHRISTOPHER	
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CHOK, HAMED	2,920,504	INC.	2,920,662	DOLBY INTERNATIONAL AB	2,920,816
CHOLAYIL, SAMEER	2,920,728	CYTUNE PHARMA	2,920,539	DOLBY INTERNATIONAL AB	2,920,963
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CHUKKA, SRINIVAS	2,920,494	DAHLBERG, CECIL	2,920,828	DONDERICI, BURKAY	2,920,879
CHURCH, BENJAMIN D.	2,920,743	DAIGLE, ODEE	2,920,805	DONG, PENGWEI	2,920,692
CIACCHI, FABIO TOMASO	2,920,507	DAKTARI DIAGNOSTICS, INC.	2,920,875	DONOVAN, STACEY BLAINE	2,920,606
CILAG GMBH		DALLEY, MACK	2,920,929	DONTIKA, NAGARAJU	2,920,758
INTERNATIONAL	2,920,790	DALLEY, MACK	2,920,947	DORSCH, DIETER	2,920,537
CLARE, MICHAEL	2,920,257	DALLEY, MACK	2,920,951	DOW GLOBAL	
CLARK, ALASTAIR	2,920,744	DALTON, JOHN MATTHEW	2,920,676	TECHNOLOGIES LLC	2,920,481
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MAURICE	2,920,698	DANIS, ALLEN MICHAEL	2,920,540	DOXEY, RYAN	2,919,733
CLEAN-SHOT ARCHERY, INC.	2,920,836	DANISCO US INC.	2,920,564	DOZIO, GIAN CARLO	2,920,348
COBURN, STEVEN	2,920,952	DANNER, BRYAN L.	2,920,625	DRAYSON TECHNOLOGIES	
COHEN, JOHN H.	2,920,451	DARVEAU, RICHARD	2,916,612	(EUROPE) LIMITED	2,920,443
COJANDE, PRADEEP	2,920,345	DAUNHEIMER, RALF	2,920,695	DREIBELBIS, MARK L.	2,920,481
COLE, JENNIFER	2,920,672	DAVEU, CYRIL	2,920,890	DRESSEN, AMY	2,920,666
COLEMAN, FERGAL	2,920,764	DAVIDIAN, DANIEL K.	2,920,835	DREWES, OLAF	2,920,446
COLEMAN, GARY D.	2,920,519	DAVIE, REBECCA LOUISE	2,920,817	DROLET, DANIEL W.	2,920,508
COLLINS, MARK	2,920,962	DAVIES, GARETH	2,920,683	DU, ZHENGUO	2,920,935
COMER, WILLIAM T.	2,920,847	DAVIES, MARK C.	2,920,626	DUFFIEUX, FRANCIS	2,920,890
COMMISSARIAT A L'ENERGIE		DAVIS, CHESNEE LAE	2,920,792	DUFRESNE, ALICIA LISE	
ATOMIQUE ET AUX		DAYAN, NAVA	2,920,456	JULIA	2,920,335
ENERGIES		DAYAN, NAVA	2,920,457	DUKE, AARON	2,920,524
ALTERNATIVES	2,920,595	DE VRIES, GLEN	2,920,845	DURAND, SIMON	2,920,690
COMMISSARIAT A L'ENERGIE		DEBORD, SAET B.	2,920,880	DURHAM, SIMON	2,920,906
ATOMIQUE ET AUX		DECIMA HEALTH LIMITED	2,920,454	DYKES, GRAEME JAMES	2,920,991
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INDUSTRIAL RESEARCH		DELAUNAY-MOISAN, AGNES	2,920,700	TECHNOLOGIES	
ORGANISATION	2,920,507	DELAVOUX, YOAN	2,920,764	CORPORATION	2,920,633
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SOLUTIONS INC.	2,920,655	DERIVE, MARC	2,920,652	EDWARDS, HANNAH JOY	2,920,815
COMPASS MINERALS		DESBOIS, MELANIE	2,920,539	EDWARDS, HANNAH JOY	2,920,817
AMERICA INC.	2,920,872	DESERO, THOMAS WILLIAM	2,920,587	EFFICIENT ENERGY GMBH	2,920,598
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CONWAY, MICHAEL	2,920,667	DESSMAISON, NADEGE	2,920,418	EIDLER, WERNER	2,920,719
COOPER, DANIEL BOYD	2,920,674	DETREKOEY, YORRICK	2,920,698	EISAI R&D MANAGEMENT	
COOPER, PAUL	2,920,962	DEVILLE, JAY PAUL	2,920,463	CO., LTD.	2,920,791

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EL HASSANI, CHAKIB	2,920,445	FIX, FRANK	2,920,985	GERHARZ, TANJA	2,920,330
ELDER, DAVID	2,920,703	FLODIN, TROY A.	2,920,736	GERKENS, PASCAL CHARLES	
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ELLEFSON, DEAN C.	2,918,084	FOLLMANN, MARKUS	2,920,565	GERMAN, DWIGHT	2,920,474
ELLIS, PETER RICHARD	2,920,950	FOOTE, JAMES A.	2,920,544	GIBOT, SEBASTIEN	2,920,652
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ENDRIZZI, BETSY	2,920,951	FORMICHELLA, LUCA	2,920,417	GIDDEY, SARBJIT SINGH	2,920,507
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ENDRIZZI, CLARK	2,920,947	FRANCOIS-MATHIEU,		GMBH	2,920,541
ENDRIZZI, CLARK	2,920,951	WINANDY	2,918,990	GILBERT, VINCENT LOGAN	2,920,571
ENDRIZZI, CLARK	2,920,954	FRAUNHOFER-		GIMBLET, MICHAEL JOHN	2,920,840
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EPPENBERGER, MARCO		FORDERUNG DER		GIOVANNIELLO, JOSEPH	2,920,516
ANDREA	2,920,698	ANGEWANDTEN		GIPSON, RAYMOND M.	2,920,738
EREN, DEVRIM	2,920,844	FORSCHUNG E.V.	2,920,483	GIUSTI, ALESSANDRO	2,920,348
ERGO-INDUSTRIAL SEATING		FRESKGDARD, PER-OLA	2,919,325	GLAXOSMITHKLINE	
SYSTEMS INC.	2,920,524	FRIM, NORBERT	2,920,719	BIOLOGICALS S.A.	2,920,934
ESKRIDGE, HORACE		FUJIMOTO, NOBUTAKA	2,920,490	GLENMARK	
ROBERT, III	2,920,459	FUKUDA, MAKI	2,920,820	PHARMACEUTICALS S.A.	2,920,574
ESPADALER MAZO, JORDI	2,920,461	FUKUSHIGE, SHINYA	2,920,462	GLOBE HOLDING COMPANY	
ESPADALER MAZO, JORDI	2,920,819	FURUHASHI, SUSUMU	2,920,830	LLC	2,920,522
ESPEDAL, PER GUNNAR	2,920,588	GABBA, GIORGIO	2,920,348	GODECKER, WILLIAM J.	2,920,547
ESPEDAL, PER GUNNAR	2,920,752	GAFNI, IZHAR	2,920,592	GOLDMANN, SIEGFRIED	2,920,415
EUPHARMA PTY LTD	2,920,505	GALAPAGOS NV	2,920,991	GOLDSMITH, BRUCE	2,920,496
EUROKEG B.V.	2,920,704	GALDERM THERAPEUTICS		GOLUB, BENJAMIN	2,920,905
EVANS, DAVID MICHAEL	2,920,815	LTD.	2,920,456	GOPICHANDRAN, NADIA	2,920,373
EVANS, DAVID MICHAEL	2,920,817	GALDERM THERAPEUTICS		GOTSICK, TIMOTHY	2,920,855
EVANS, GARY	2,920,950	LTD.	2,920,457	GOULD, JANICE K.	2,920,891
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INC.	2,920,912	GAMBARDELLA, LUCA		GRAAF, JUTTA	2,920,974
EXO-S INC.	2,916,612	MARIA	2,920,348	GRABOWSKA, URSZULA	2,920,797
EXSA S.A.	2,920,866	GANGAKHEDKAR, SUREKHA	2,920,896	GRADER, ABRAHM S.	2,920,525
EYEsENSE AG	2,920,699	GAO, KUI	2,920,672	GRADY, LEO	2,920,848
F. HOFFMANN-LA ROCHE AG	2,919,325	GAO, SHIQIU	2,920,692	GRAEWE, MICHAEL	2,920,793
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FACEBOOK, INC.	2,920,741	GARNETT, RICHARD	2,920,717	GREALY, SEAMUS	2,920,694
FACEBOOK, INC.	2,920,905	GASSLBAUER, FRANZ	2,920,975	GREATHOUSE, GLEN P.	2,920,878
FADHEL, ALI	2,920,895	GASTER, RICHARD S.	2,920,566	GREEN, ALAN	2,920,953
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FANG, PING	2,920,935	GEBRECHRISTOS, SEBHAT	2,920,729	LATELLE, III	2,920,840
FARIAS, PAVEL	2,920,788	GEIER, DAVID MICHAEL	2,920,300	GRICE, BYRON KEITH	2,920,629
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FENN, ANDREW COURTENAY	2,920,482	GENENTECH, INC.	2,920,686	GRUMBERG, MATHIEU	2,920,599
FERNIE, GEOFFREY ROY	2,920,688	GENERAL DYNAMICS		GUADAGNO, PHILIP	2,920,773
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FERREE, BRET	2,920,546	CANADA VALLEYFIELD		CO., LTD.	2,906,247
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FILLIERES, ROMAIN	2,919,929	GENERAL ELECTRIC		ANIMATION & CULTURE	
FILLIERES, ROMAIN	2,919,930	COMPANY	2,920,482	CO., LTD.	2,906,252
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GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD.	2,906,252	HAMAGUCHI, MAKI	2,920,605	HO, KHEK YU	2,920,765
GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD.	2,906,265	HAMER, MALCOLM	2,920,703	HOFFMAN, ANDREW J.	2,919,401
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GUERARD, CORALIE	2,920,983	HAN, JIANGZE	2,920,692	HOGREL, JEAN-YVES	2,920,455
GUETRE, STEVE	2,920,906	HANGZHOU LEGGY HORSE TECH. CO., LTD.	2,920,531	HOLBREY, JOHN	2,920,764
GUINAN, EAMON	2,920,703	HANSEN, HANS	2,920,791	HOLMA, MERJA BIRGITTA	2,919,426
GUNAWAN, FENY	2,920,686	HANSEN, SKYLE D., JR.	2,920,655	HOLMA, MERJA BIRGITTA	2,919,428
GUO, ZHIXIN	2,920,533	HANSEN, SKYLE D., SR.	2,920,655	HOLMA, MERJA BIRGITTA	2,919,432
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GUPTA, JYOTI	2,920,509	HAPSARI, WURI ANDARMAWANTI	2,920,475	HOLMA, MERJA BIRGITTA	2,919,838
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GUPTA, JYOTI	2,920,684	HARRIS, CODY GLENN	2,920,783	HOLMBOM, THOMAS	2,920,732
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HACH COMPANY	2,920,471	HARTUNG, INGO	2,920,559	HOLVOET, SEBASTIEN	2,920,942
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HAGEMANN, VOLKER	2,920,697	HARWARD, ANTHONY CLARK	2,920,532	HORAI, ATSUSHI	2,920,472
HAIM, MAYA	2,920,748	HARWARD, ANTHONY CLARK	2,920,535	HORSAGER, JEFFREY JON	2,920,839
HALDANE, JONATHAN	2,920,689	HARWARD, ANTHONY CLARK	2,920,538	HORSAGER, JEFFREY JON	2,920,859
HALES, SIMON A.	2,920,301	HAUER, UWE	2,920,719	HORTON, ROBERT GEORGE	2,920,804
HALLIBURTON ENERGY SERVICES, INC.	2,920,463	HAWKINS, LYNN	2,920,791	HOSCHENKO, ALEKSEJ	2,920,448
HALLIBURTON ENERGY SERVICES, INC.	2,920,466	HAWKINSON, JAMES EARL	2,920,609	HOSCHENKO, ALEKSEJ	2,920,450
HALLIBURTON ENERGY SERVICES, INC.	2,920,602	HAWKINSON, ROBERT NEAL ALFRED	2,920,609	HOWA CORPORATION	2,920,279
HALLIBURTON ENERGY SERVICES, INC.	2,920,606	HAYMAN, RYAN B.	2,920,584	HOYTE, SCOTT MORDIN	2,918,386
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MENZES, SHEENA	2,920,896	MOSLER, THEODORE J.	2,920,835	NIPPON FILCON CO., LTD	2,920,999
MERCK PATENT GMBH	2,920,537	MOTODA, SATOSHI	2,920,993	NIPPON STEEL & SUMITOMO METAL CORPORATION	2,920,465
MERCK SHARP & DOHME CORP.	2,894,919	MOTOROLA SOLUTIONS, INC.	2,920,977	NIPPON STEEL & SUMITOMO METAL CORPORATION	2,920,757
MESA PHOTONICS, LLC	2,920,871	MU, YAOMING	2,920,525	NIPPON STEEL & SUMITOMO METAL CORPORATION	2,920,874
MESSENGER, ROBERT	2,920,511	MUELLER, ANDREAS	2,920,698	NIPPON STEEL & SUMITOMO METAL CORPORATION	2,920,881
METCALF, ROY	2,920,716	MULLER, ACHIM	2,920,699	NISHIMURA, RYUICHI	2,920,757
MEYER, TODD JOSEPH	2,920,852	MULLER, THOMAS	2,920,982	NISHIMURA, RYUICHI	2,920,874
MIASNIKOV, ANDREI	2,920,564	MUMM, JOHN BRIAN	2,920,679	NISHIMURA, RYUICHI	2,920,881
MIETZNER, THOMAS	2,920,590	MUNDT, HARALD	2,920,963	NISHIMURA, SUZUSHI	2,920,820
MIETZNER, THOMAS	2,920,591	MUNRO, WILLIAM	2,920,963	NISHIOKA, KIYOSHI	2,920,490
MILLENDER, SAMUEL EARL, JR.	2,920,705	MURAI, YUICHI	2,920,744	NISSAN MOTOR CO., LTD.	2,920,472
MILLER, DAVID	2,920,432	MURATA, KEI	2,920,823	NISSAN MOTOR CO., LTD.	2,920,772
MILLER, DAVID	2,920,898	MURPHY, JENNIFER M.	2,920,465	NISSAN MOTOR CO., LTD.	2,920,832
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		MURRAY, KEVIN	2,920,522		
		MURRISH, JOHN CHRISTOPHER	2,920,530		
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NOFFKE, RICHARD	2,920,805	PAITHANKAR, DILIP	2,920,852	POGET, LAURENT EDOUARD	2,920,713
NOMICHI, KAORU	2,920,997	PALLE, VENKATA P.	2,920,818	POGET, LAURENT EDOUARD	2,920,714
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NORTH, ROBERT	2,919,843	PANDEY, SANJAY K.	2,920,776	POLISSETTY, RAVI	2,920,529
NOVAK, ANDREW RICHARD	2,920,815	PANG, SHITAO	2,920,693	PONG, STEVEN MICHAEL	2,920,688
NOVAN, INC.	2,919,733	PANG, XUEYU	2,920,466	POWELL, GLENN	2,920,661
NP MEDICAL INC.	2,920,542	PANI, DIANA	2,920,501	PRECHSL, DOMINIK	2,920,793
NTT DOCOMO, INC.	2,920,475	PANSHIN, STEPHEN D	2,920,802	PREISIG, DANIEL	2,920,725
NUMATA, KOICHI	2,920,481	PARADIS, PIERRE-YVES	2,920,690	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	2,920,853
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O'CONNOR, JOHN JOSEPH	2,920,867	PAREDES, SALVADOR E.	2,920,774	PRINCE LIONHEART, INC.	2,920,882
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OKAMOTO, YUJI	2,920,823	PELLETIER, GHYSLAIN	2,920,501	QUALCOMM INCORPORATED	2,920,748
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ONG, EDGAR O.	2,920,672	PENDLETON, BRYAN P.	2,920,568	QUALCOMM INCORPORATED	2,920,904
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OSHYN, INC.	2,920,615	PHILIP MORRIS PRODUCTS S.A.	2,920,711	RAMAN, SURESH	2,920,529
OSRAM SYLVANIA INC.	2,920,726	PHILIP MORRIS PRODUCTS S.A.	2,920,713	RAMIREZ, ALEXANDER	2,920,884
OSTARA BIOMEDICAL LTD	2,920,373	PHILIP MORRIS PRODUCTS S.A.	2,920,714	RAMIREZ-CORREDORES, MARIA MAGDALENA	2,920,480
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OTIENO, PAULINE AKINYI	2,920,783	PIKE, IAN	2,920,946	RATTUNDE & CO GMBH	2,920,327
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RICCABONI, MAURO	2,920,812	SARGENT MANUFACTURING COMPANY	2,920,788	SEISER, TOBIAS	2,920,591
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RINDAL, BJORN N.	2,920,883	SATO, HIROMU	2,920,484	SETFORD, STEVEN	2,920,790
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RIVALDA, DAVIDE	2,920,348	SCHAEFER, JOSHUA	2,920,512	SHAN, HANBIN	2,919,601
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RODEN, RICHARD	2,920,631	SCHILLER, CHRISTIAN	2,920,557	SHARP, DAVID	2,920,744
ROGERS, CAMPBELL	2,920,848	SCHILLER, SHAWN	2,920,791	SHAY, EITAN	2,920,741
ROGIERS, JOERI	2,919,929	SCHLOTTERBACH, THOMAS	2,920,701	SHEETS, JOHN	2,920,661
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ROMESBERG, FLOYD E.	2,920,527	SCHLUMBERGER CANADA LIMITED	2,920,506	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	2,920,938
ROMNEY, MATT	2,920,929	SCHLUMBERGER CANADA LIMITED	2,920,511	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	2,920,992
ROMNEY, MATT	2,920,947	SCHLUMBERGER CANADA LIMITED	2,920,545	SHEN, DONG	2,920,668
ROMNEY, MATT	2,920,954	SCHLUMBERGER CANADA LIMITED	2,920,884	SHEN, SHIJI	2,919,401
ROOKER, DAVID PHILIP	2,920,817	SCHLUMBERGER CANADA LIMITED	2,920,888	SHEN, YUHUI	2,919,601
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ROUDIER, STEPHANE	2,920,711	SCHLUMBERGER CANADA LIMITED	2,920,634	SHETH, KETANKUMAR K.	2,920,876
ROUDIER, STEPHANE	2,920,713	SCHLUMBERGER CANADA LIMITED	2,920,885	SHIMIZU, TOSHIHIKO	2,920,767
ROWAN, DAVID G.	2,920,506	SCHLUMBERGER CANADA LIMITED	2,920,991	SHIMODA, TATSUYA	2,920,490
ROYTBLAT, IGAL	2,920,689	SCHLUMBERGER CANADA LIMITED	2,920,885	SHIRAGA, MASATO	2,920,460
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SOMNUS MEDICAL, LLC	2,920,538	SVENSKA		THE JOHNS HOPKINS	
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ST. JOHN, BRAIN E.	2,920,736	TANABE, TETSURO	2,920,934	THE SCRIPPS RESEARCH	
STADIE, ROBERT ROLF	2,920,669	TANAKA, HIROYUKI	2,920,832	INSTITUTE	2,920,527
STADTFELD, HERMANN J.	2,920,743	TANAKA, NOBUAKI	2,920,777	THE YOKOHAMA RUBBER	
STADTFELD, HERMANN J.	2,920,753	TANG, JIANSHENG	2,920,778	CO., LTD.	2,920,821
STANFILL, CRAIG W.	2,920,430	TANIFUM, CHRISTABEL	2,920,880	THERANOS, INC.	2,920,896
STASCH, JOHANNES-PETER	2,920,559	TANKIEWICZ, SZYMON	2,920,512	THORSON, TIMOTHY A.	2,920,886
STASCH, JOHANNES-PETER	2,920,565	TASAKA, YUJI	2,920,823	THORSON, TIMOTHY A.	2,920,889
STAUB, RENE	2,920,982	TASLY PHARMACEUTICAL		THUMMISSETTY,	
STAUTZENBERGER, ARTHUR	2,920,805	GROUP CO., LTD..	2,920,533	MASTANAIAH	2,920,758
STEALTH BIOTHERAPEUTICS		TATE & LYLE INGREDIENTS		TILLOTS PHARMA AG	2,920,725
CORP	2,920,735	AMERICAS LLC	2,919,401	TILTON, ANDREW THOMAS	2,920,897
STEARNS, STANLEY D.	2,920,898	TATEISHI, KOICHI	2,920,663	TKACHUK, MICHAEL	2,920,618
STEIN, ARMIN	2,920,558	TAYLOR, CHARLES A.	2,920,848	TODD, GILBERT A.	2,920,796
STEINER, KEVIN L.	2,920,886	TAYLOR, ROBERT A.	2,920,597	TOELKE, JONAS	2,920,525
STEINER, KEVIN L.	2,920,889	TECHNISCHE UNIVERSITAT		TOLAND, JENI	2,920,764
STEVANATO, LARA	2,920,948	MUNCHEN	2,920,417	TOLEDANO, MICHEL	2,920,700
STEVENSON, GEORGE	2,920,962	TECHNOLOGICAL		TOMKO, DANIEL	2,920,432
STIRNIMANN, RENE	2,920,953	RESOURCES PTY.		TOMPKINS, LANDON H.	2,920,724
STODT, JURGEN	2,920,453	LIMITED	2,920,864	TOMPKINS, LANDON H.	2,920,865
STODT, JURGEN	2,920,649			TORAY INDUSTRIES, INC.	2,920,777

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TORFS, RITA	2,920,794	VAN VLIET, JOHANNIS WILLEM	2,920,807	WEBB, ROCKY LYNN	2,920,864
TORIYAMA, SHIGETAKA	2,920,820	VANDERLAAN, MARTIN	2,920,686	WEBER, LUTZ	2,920,875
TORRES, EDUARDO	2,920,901	VARGA, MONICA E.	2,920,912	WEBER, URBAN	2,920,697
TOTAL SA	2,920,493	VARNEY, MARK SINCLAIR	2,920,799	WEIR, IONA E.	2,920,454
TRACADAS, PHILIP W.	2,920,962	VAUGHN, DAVID T.	2,920,517	WERNER, BENJAMIN ALFRED	2,920,309
TRANSOCEAN INNOVATION LABS, LTD	2,920,676	VEDSTED, LARS	2,919,529	WESCAST INDUSTRIES, INC.	2,920,994
TRESCH, STEFAN	2,920,590	VEENENDAAL, JAN DIRK	2,920,704	WESTPOINT HOME LLC	2,920,664
TRESCH, STEFAN	2,920,591	VENKATASUBBARAO, SRIVATSA	2,920,521	WHELAN, MATTHEW ROBERT	2,920,669
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TSUCHIKURA, HIROSHI	2,920,777	VENTANA MEDICAL SYSTEMS, INC.	2,920,494	WICKS, MATTHEW ROSS	2,920,806
TU, CHAO-CHENG	2,920,501	VICARIO, DANIEL B.	2,920,972	WIESMAN, MARK B.	2,920,965
TUNKIEL, ANDRZEJ T.	2,920,902	VICHEM CHEMIE KUTATO KFT.	2,920,754	WILEY, ROBERT EMERSON	2,920,587
TUR, MEHMET KEMAL	2,920,483	VICTAULIC COMPANY	2,920,972	WILKINS, CHRISTOPHER MARK	2,920,750
TURCO, MARIA CATERINA	2,920,586	VIJ, RAJESH	2,920,686	WILL, GARY EDWARD	2,920,634
TURNER, JEFFREY A.	2,920,808	VIJAYENDRAN, RAVI A.	2,920,521	WILLIAMS, MARK E.	2,920,721
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UCHIMURA, KOUICHI	2,920,775	VOEGELI, ANDREAS	2,920,526	WINTER, ANDREAS	2,920,448
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UNITRACT SYRINGE PTY LTD	2,920,684	WAGLE, GOVINDA SUBBANNA	2,920,992	WOLPERS, MICHAEL	2,920,453
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URBANSKI, JOHN PAUL	2,920,683	WAN, FENG	2,919,426	WU, HAIYAN	2,920,693
URGO RECHERCHE INNOVATION ET DEVELOPPEMENT	2,920,418	WAN, FENG	2,919,428	WU, RONGCHENG	2,920,692
USHIDA, HIROHISA	2,920,462	WAN, FENG	2,919,432	WU, TZYY-CHOUU	2,920,631
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VALCO INSTRUMENTS COMPANY, L.P.	2,920,898	WANG, DA	2,920,528	WUNDER, FRANK	2,920,565
VALLURU, GIRISH	2,920,755	WANG, GENBEI	2,920,533	XAGENIC INC.	2,920,375
VALOTEC	2,920,455	WANG, JUE	2,920,738	XAGENIC INC.	2,920,419
VALSPAR SOURCING, INC.	2,920,895	WANG, RUI	2,920,720	XAGENIC INC.	2,920,523
VAN BAELEN, GITTE	2,920,794	WANG, SHANWU	2,920,540	XAGENIC INC.	2,920,584
VAN DEN BERG, KAREL	2,920,827	WANG, YI	2,920,293	XAGENIC INC.	2,920,619
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YONEKURA, MADOKA	2,919,816
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