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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](http://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](http://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](http://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](http://www.strategis.ic.gc.ca/brevetscommande)) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

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

## 4. Commande de brevets par classe ou sous-classe

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

## 5. Advice on Making a Patent Application

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

## 6. Licensing of Patents

### Voluntary Licences

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

### Compulsory Licences

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

## 7. Patents Available for Licence or Sale

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

## 8. List of Patents Available for Licence or Sale

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

2,693,592  
2,704,142  
2,759,103

## 5. Conseils relatifs à la préparation de demandes de brevets

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

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

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

### Licences obligatoires

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

## 7. Brevets disponibles pour licence ou vente

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

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

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

2,693,592  
2,704,142  
2,759,103

## 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

### Preliminary Examination

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

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

\* 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).

## 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](mailto:publications.mail@wipo.int)) or visit their Web site ([www.wipo.int](http://www.wipo.int)).

### 4. Taxe pour paiement tardif

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

### Examen préliminaire

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

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

\* 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. 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](mailto:publications.mail@wipo.int)) ou visiter leur site Web ([www.wipo.int](http://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).

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. Correspondence Procedures

May 24, 2016

**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](#).

## 15. Procédures de correspondance

le 24 mai, 2016

**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  
Édifice 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  
Édifice Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6  
Tél. : 514-496-1797  
Sans frais : 1-888-237-3037  
  
8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
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<sup>TM</sup> and Xpresspost<sup>TM</sup> 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<sup>TM</sup> and Xpresspost<sup>TM</sup> services of Canada Post are designated establishment or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

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

### 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

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<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des *Règles sur les brevets*, du paragraphe 3(4) du *Règlement sur les marques de commerce*, du paragraphe 2(4) du *Règlement sur le droit d'auteur*, du paragraphe 3(4) du *Règlement sur les dessins industriels* et du paragraphe 3(4) du *Règlement sur les topographies de circuits intégrés*, les services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont des établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

### 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

## Notices

national phase will not be accepted.

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

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

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

### 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](#).

des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

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

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

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

### 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](#).

## Avis

### 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

## Notices

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](#).

Notices

**16. Canadian Applications Open to Public Inspection**

The *Canadian Patent Office Record* of October 18, 2016 contains applications open to public inspection from October 2, 2016 to October 8, 2016.

**16. Demandes canadiennes mises à la disponibilité du public**

La *Gazette du bureau des brevets* du 18 octobre 2016 contient les demandes disponibles au public pour consultation pour la période du 2 octobre 2016 au 8 octobre 2016.

# Canadian Patents Issued

October 18, 2016

## Brevets canadiens délivrés

18 octobre 2016

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[11] **2,263,781**

[13] C

[51] **Int.Cl. G06Q 30/06 (2012.01) H04L 12/16 (2006.01) H04L 12/58 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PLACING A PURCHASE ORDER VIA A COMMUNICATIONS NETWORK**

[54] **METHODE ET SYSTEME DE COMMANDE D'ARTICLES SUR UN RESEAU DE TELECOMMUNICATION**

[72] BEZOS, JEFFREY P., US

[72] KAPHAN, SHEL, US

[73] AMAZON.COM, INC., US

[86] (2263781)

[87] (2263781)

[22] 1998-09-11

[62] 2,246,933

[30] US (08/928,951) 1997-09-12

[30] US (09/046,503) 1998-03-23

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[11] **2,379,962**

[13] C

[51] **Int.Cl. C08J 5/22 (2006.01) B01D 53/22 (2006.01) B01D 67/00 (2006.01)**

**B01D 71/52 (2006.01) B01D 71/68 (2006.01) B01D 71/82 (2006.01) C08K 3/34 (2006.01) C08L 101/02 (2006.01) H01M 2/16 (2006.01)**

[25] EN

[54] **COVALENTLY CROSS-LINKED POLYMERS AND POLYMER MEMBRANES VIA SULFINATE ALKYLATION**

[54] **POLYMERES ET MEMBRANES POLYMERES RETICULES DE FACON COVALENTE PAR ALKYLATION DE SULFINATE**

[72] KERRES, JOCHEN, DE

[72] ZHANG, WEI, DE

[72] TANG, CHY-MING, DE

[72] HARING, THOMAS, DE

[73] UNIVERSITAT STUTTGART INSTITUT FUR CHEMISCHE VERFAHRENSTECHNIK, DE

[85] 2002-01-18

[86] 2001-05-21 (PCT/EP2001/005826)

[87] (WO2002/000773)

[30] DE (100 24 575.7) 2000-05-19

[30] DE (100 54 233.6) 2000-11-02

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[11] **2,385,833**

[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 10/10 (2012.01) H04L 12/18 (2006.01)**

[25] EN

[54] **INFORMATION FLOW MANAGEMENT IN REAL TIME**

[54] **GESTION DU FLUX D'INFORMATIONS EN TEMPS REEL**

[72] ARMSTRONG, BRAUNSKI, US

[72] FERRARI, ENRICO, US

[72] KRISTOFF, ERIC J., US

[72] LAWLOR, GRAHAM, US

[72] O'DONNELL, PAT, US

[72] RADULOVIC, ADAM, US

[72] SCHONBERG, DAVID, US

[72] SEYMOUR, ROBERT, US

[72] SINCLAIR, ERIC, US

[72] ZARET, DAVID, US

[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

[85] 2002-03-26

[86] 2000-09-28 (PCT/US2000/026780)

[87] (WO2001/024016)

[30] US (09/411,599) 1999-09-28

[30] US (09/675,017) 2000-09-28

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[11] **2,405,908**

[13] C

[51] **Int.Cl. B62D 55/24 (2006.01)**

[25] EN

[54] **TRACK FOR ALL TERRAIN VEHICLE**

[54] **CHENILLE POUR VEHICULE TOUT TERRAIN**

[72] COURTEMANCHE, DENIS, CA

[73] CAMSO INC., CA

[86] (2405908)

[87] (2405908)

[22] 2002-10-01

Canadian Patents Issued  
October 18, 2016

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[11] **2,491,690**  
[13] C  
[51] **Int.Cl. C12N 15/82 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C07K 14/24 (2006.01) C07K 14/28 (2006.01) C07K 14/32 (2006.01) C12N 5/04 (2006.01) A61K 39/00 (2006.01)**  
[25] EN  
[54] **SOMATOGENIC PLASTID TRANSFORMATION**  
[54] **TRANSFORMATION DE PLASTIDES SOMATOGENES**  
[72] DANIELL, HENRY, US  
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[85] 2005-01-04  
[86] 2003-07-03 (PCT/US2003/021157)  
[87] (WO2004/005480)  
[30] US (60/393,651) 2002-07-03

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[11] **2,495,768**  
[13] C  
[51] **Int.Cl. A61B 5/00 (2006.01) G06F 19/00 (2011.01) G08B 21/02 (2006.01)**  
[25] EN  
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[54] **PROCEDE ET APPAREIL D'EXECUTION DE MESURES D'IMPEDANCE EN FONCTION DE LA DETERMINATION D'UNE DISPOSITION D'ELECTRODE AU MOYEN D'UNE REPRESENTATION AFFICHEE**  
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[72] ESSEX, TIM, AU  
[73] IMPEDIMED LIMITED, AU  
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[54] **METHODE DE REPARATION DE DECHIRURES MENISCALES AU MOYEN D'UN MATERIAU DE MEMBRANE AU COLLAGENE**

[72] SPECTOR, MYRON, US

[72] GEISTLICH, PETER, CH

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[54] **ENSEMBLE D'ENTRAINEMENT A ROULEAUX**

[72] PAPADOPOULOS, LARRY C., US

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[85] 2008-03-11

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[54] **ORIGINE TRANSFERABLE HYBRIDE DE PLASMIDES A REPLICATION**

[72] BOGOSIAN, GREGG, US

[72] FRANTZ, JULIA P., US

[72] SMITH, HONG Q., US

[73] MONSANTO TECHNOLOGY LLC, US

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[54] **METHOD FOR PROCESSING A FLUID AND FLUID PROCESSING DEVICE**

[54] **PROCEDE POUR TRAITER DES FLUIDES ET DISPOSITIF POUR TRAITER DES FLUIDES**

[72] SCHAEFER, ANDREAS, DE

[72] VOIT, THOMAS, DE

[72] ZBINDEN, MARKUS, CH

[72] SCHMIEDE, ANDREAS, DE

[73] QIAGEN GMBH, DE

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[54] **PROTEINES DE FUSION POUR ADMINISTRATION A TRAVERS LA BARRIERE HEMATO-ENCEPHALIQUE**

[72] PARDRIDGE, WILLIAM M., US

[72] BOADO, RUBEN J., US

[73] ARMAGEN TECHNOLOGIES, INC., US

[85] 2008-04-04

[86] 2006-09-28 (PCT/US2006/038587)

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[54] **METHOD AND APPARATUS FOR HIGH EFFICIENCY RECTIFICATION FOR VARIOUS LOADS**  
[54] **PROCEDE ET APPAREIL DE REDRESSEMENT A HAUT RENDEMENT DE DIVERSES CHARGES**  
[72] GREENE, CHARLES E., US  
[72] HARRIST, DANIEL W., US  
[73] POWERCAST CORPORATION, US  
[85] 2008-04-07  
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[54] **REPEATER SYSTEM WITH TRANSPARENT ANTENNA INTEGRATED INTO A WINDOW**  
[54] **SYSTEME REPETEUR A ANTENNE TRANSPARENTE INTEGREE DANS UNE VITRE**  
[72] MOTTA CRUZ, EDUARDO, FR  
[72] HAYART, VINCENT, FR  
[72] HIMDI, MOHAMED, FR  
[72] COLOMBEL, FRANCK, FR  
[72] DESSARCE, JEAN-PHILIPPE, FR  
[73] BOUYGUES TELECOM, FR  
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[54] **DEVICES WITH INTERNAL FLEXIBILITY SIPES, INCLUDING SIPED CHAMBERS FOR FOOTWEAR**  
[54] **DISPOSITIFS A LAMELLES A FLEXIBILITE INTERNE COMPRENANT DES CHAMBRES LAMELISEES POUR CHAUSSURES**  
[72] ELLIS, FRAMPTON E., US  
[73] ELLIS, FRAMPTON E., US  
[85] 2008-05-22  
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[54] **ADDITIVE COMPOSITIONS FOR TREATING VARIOUS BASE SHEETS**  
[54] **COMPOSITIONS ADDITIVES POUR LE TRAITEMENT DE DIVERSES FEUILLES DE BASE**  
[72] DYER, THOMAS JOSEPH, US  
[72] LOSTOCCO, MICHAEL R., US  
[72] NICKEL, DEBORAH, US  
[72] RUNGE, TROY M., US  
[72] ZWICK, KENNETH J., US  
[72] GOULET, MIKE T., US  
[72] TIMM, JEFFREY J., US  
[72] CLOUGH, PERRY H., US  
[72] REKOSKE, MICHAEL J., US  
[73] KIMBERLY-CLARK WORLDWIDE, INC., US  
[85] 2008-05-27  
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[25] EN  
[54] **VEHICLE EVENT RECORDER SYSTEMS**  
[54] **SYSTEMES D'ENREGISTREMENT D'EVENEMENT POUR VEHICULE**  
[72] PLANTE, JAMES, US  
[73] SMARTDRIVE SYSTEMS, INC., US  
[85] 2008-06-06  
[86] 2006-12-08 (PCT/US2006/047042)  
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[54] **CATIONIC OLIGONUCLEOTIDES, AUTOMATED METHODS FOR PREPARING SAME AND THEIR USES**  
[54] **OLIGONUCLEOTIDES CATIONIQUES, PROCEDES AUTOMATISES POUR LES PREPARER ET LEURS UTILISATIONS**  
[72] BEHR, JEAN-PAUL, FR  
[72] KOTERA, MITSU HARU, FR  
[72] PONS, BENEDICTE, FR  
[72] VOIRIN, EMILIE, FR  
[72] REMY, JEAN-SERGE, FR  
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR  
[73] POLYPLUS TRANSFECTION, FR  
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[54] **METHODS AND SYSTEMS TO DRIVE ROTARY PRESSES**

[54] **PROCEDES ET SYSTEMES D'ENTRAINEMENT DE PRESSES ROTATIVES**

[72] SMITH, GREGORY S., US

[73] THE BRADBURY COMPANY, INC., US

[86] (2635107)

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[30] US (60/944,330) 2007-06-15

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[25] EN

[54] **THERMOCOUPLE HEAD UNIT**

[54] **TETE DE THERMOCOUPLE**

[72] ROBINSON, BARRY PETER, GB

[73] WESTON AEROSPACE LIMITED, GB

[86] (2638059)

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[54] **COIN RETRIEVAL FROM REFUSE**

[54] **RECUPERATION DE PIECES DE MONNAIE DES RESIDUS**

[72] SEDORE, KEVIN J., US

[73] BABCOCK & WILCOX POWER GENERATION GROUP, INC., US

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[54] **EXHAUST DUCT WITH BYPASS CHANNEL**

[54] **CANAL D'EJECTION AVEC CONDUIT DE DERIVATION**

[72] FARBER, STEVEN, CA

[73] PRATT & WHITNEY CANADA CORP., CA

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[25] EN

[54] **CENTRIFUGAL IMPELLER WITH INTERNAL HEATING**

[54] **TURBINE CENTRIFUGE AVEC RECHAUFFEMENT INTERNE**

[72] ROMANI, GIUSEPPE, CA

[72] LIU, XIAOLI, CA

[72] STONE, PAUL, CA

[72] FIELDING, BRUCE, CA

[73] PRATT & WHITNEY CANADA CORP., CA

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[25] EN

[54] **SPLIT ROLLING BASKET**

[54] **DEMI-CAGES A ROULAGE**

[72] STEINLAGE, DAVID LEE, US

[72] FRIEDLEY, VERNON EUGENE, US

[73] DEERE & COMPANY, US

[86] (2639284)

[87] (2639284)

[22] 2008-09-03

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[13] C

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[25] FR

[54] **CONTROL DEVICE FOR THE TANGENTIAL DIMPLES OF A ROTOR DISK**

[54] **DISPOSITIF DE CONTROLE DES ALVEOLES TANGENTIELLES D'UN DISQUE DE ROTOR**

[72] BRIFFA, PATRICK, FR

[72] CABANIS, PATRICK, FR

[72] LE FLOCH, RENE, FR

[72] MARCEAU, CHRISTIAN ARMAND, FR

[72] THIBAUT, DOMINIQUE, FR

[72] PASQUER, VINCENT, FR

[73] SNECMA, FR

[73] SNECMA SERVICES, FR

[86] (2639589)

[87] (2639589)

[22] 2008-09-18

[30] FR (0757669) 2007-09-19

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[51] **Int.Cl. B29C 70/24 (2006.01) B29C 70/48 (2006.01) F01D 9/02 (2006.01) F01D 25/04 (2006.01)**

[25] FR

[54] **DAMPING DEVICE FOR BLADE MADE OF COMPOSITE MATERIAL**

[54] **DISPOSITIF D'AMORTISSEMENT POUR AUBE EN MATERIAU COMPOSITE**

[72] LE HONG, SON, FR

[72] LOMBARD, JEAN-PIERRE FRANCOIS, FR

[73] SNECMA, FR

[86] (2639601)

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[54] **APPARATUS AND METHOD OF DRILLING WITH CASING**  
[54] **DISPOSITIF ET METHODE DE FORAGE AVEC TUBAGE**

[72] GALLOWAY, GREGORY G., US  
[72] BRUNNERT, DAVID J., US  
[72] HEWSON, JAMES ADAM, GB  
[72] BURGE, PHILLIP MICHAEL, GB  
[73] TECHNOLOGY VENTURES INTERNATIONAL LTD., GB

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[25] EN  
[54] **COMPOSITION FOR TREATING DEVELOPMENTAL AND/OR CHRONIC LUNG DISEASES COMPRISING CELLS SEPARATED OR PROLIFERATED FROM UMBILICAL CORD BLOOD**  
[54] **COMPOSITION POUR LE TRAITEMENT DE MALADIES PULMONAIRES CHRONIQUES ET/OU DEVELOPPEMENTALES COMPRENANT DES CELLULES SEPARÉES DU SANG DU CORDON OMBILICAL OU AYANT PROLIFÉRÉES A PARTIR DE CELUI-CI**

[72] CHANG, YUN SIL, KR  
[72] PARK, WON SOON, KR  
[72] YANG, YOON-SUN, KR  
[73] SAMSUNGN LIFE PUBLIC WELFARE FOUNDATION, KR  
[73] MEDIPOST CO., LTD., KR

[85] 2008-07-29  
[86] 2007-01-31 (PCT/KR2007/000535)  
[87] (WO2007/089102)  
[30] KR (10-2006-0009625) 2006-02-01  
[30] US (11/425,949) 2006-06-22  
[30] KR (PCT/KR2006/003009) 2006-07-31

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[25] EN  
[54] **TACTILE TOUCH SCREEN FOR ELECTRONIC DEVICE**  
[54] **ECRAN TACTILE POUR DISPOSITIF ELECTRONIQUE**

[72] AZARDIS, MIHAL, CA  
[72] GRIFFIN, JASON, CA  
[72] LADOUCEUR, NORMAN, CA  
[73] BLACKBERRY LIMITED, CA

[86] (2642168)  
[87] (2642168)  
[22] 2008-10-28  
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[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING AN ADAPTABLE SECURITY LEVEL IN AN ELECTRONIC COMMUNICATION**  
[54] **PROCEDES ET APPAREIL POUR PROCURER UN NIVEAU DE SECURITE ADAPTABLE DANS UNE COMMUNICATION ELECTRONIQUE**

[72] STRUIK, MARINUS, CA  
[73] CERTICOM CORP., CA

[85] 2008-09-26  
[86] 2007-04-13 (PCT/CA2007/000608)  
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[51] **Int.Cl. F02C 9/18 (2006.01)**

[25] FR  
[54] **TURBINE ENGINE DUMP VALVE**  
[54] **VANNE DE DECHARGE DANS UNE TURBOMACHINE**

[72] COMIN, FRANCOIS JEAN, FR  
[72] MAJEUX, CLAUDE MARCEL ROBERT, FR  
[73] SNECMA, FR

[86] (2644306)  
[87] (2644306)  
[22] 2008-11-12  
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[51] **Int.Cl. B60N 2/44 (2006.01) B60N 2/02 (2006.01) B60N 2/66 (2006.01)**

[25] EN  
[54] **VEHICLE SEATING SYSTEM AND METHOD**  
[54] **SYSTEME POUR SIEGE DE VEHICULE ET METHODE APPLICABLE**

[72] PHIPPS, PAUL B., US  
[72] EPPLY, TOM D., US  
[72] MEYER, DANIEL C., US  
[73] INNOVATIVE BIOMECHANICAL SOLUTIONS, LLC, US

[86] (2644887)  
[87] (2644887)  
[22] 2008-11-26  
[30] US (11/953,256) 2007-12-10  
[30] US (12/207,083) 2008-09-09

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[13] C

[51] **Int.Cl. F01D 5/28 (2006.01) F01D 5/26 (2006.01)**

[25] EN  
[54] **MONOLITHIC AND BI-METALLIC TURBINE BLADE DAMPERS AND METHOD OF MANUFACTURE**  
[54] **AMORTISSEURS MONOLITHIQUES ET BIMETALLIQUES DE TRAINÉE D'AUBES DE TURBINES ET PROCEDE DE FABRICATION**

[72] PATRICK, D. KEITH, US  
[72] BAUER, RANDALL CHARLES, US  
[72] KELLY, THOMAS JOSEPH, US  
[73] GENERAL ELECTRIC COMPANY, US

[86] (2645380)  
[87] (2645380)  
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[25] EN  
[54] **COLOR METADATA FOR A DOWNLINK DATA CHANNEL**  
[54] **METADONNEES DE COULEUR POUR CANAL DE DONNEES DE LIAISON DESCENDANTE**  
[72] DOSER, INGO TOBIAS, US  
[72] STAUDER, JURGEN, FR  
[72] BLONDE, LAURENT, FR  
[72] THOLLOT, JULIEN, FR  
[72] BANCROFT, DAVID J., GB  
[72] ENDRESS, WOLFGANG, DE  
[73] THOMSON LICENSING, FR  
[85] 2008-09-12  
[86] 2007-03-15 (PCT/US2007/006546)  
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[13] C

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[25] FR  
[54] **INJECTION SYSTEM OF A FUEL AND AIR MIXTURE IN A TURBINE ENGINE COMBUSTION SYSTEM**  
[54] **SYSTEME D'INJECTION D'UN MELANGE D'AIR ET DE CARBURANT DANS UNE CHAMBRE DE COMBUSTION DE TURBOMACHINE**  
[72] PIEUSSERGUES, CHRISTOPHE, FR  
[72] SANDELIS, DENIS JEAN MAURICE, FR  
[73] SNECMA, FR  
[86] (2646959)  
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[51] **Int.Cl. G06Q 30/02 (2012.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR TARGETED ADVERTISING BASED ON TOPICAL MEMES**  
[54] **METHODE ET SYSTEME POUR COMMERCIALISATION CIBLEE BASEE SUR DES MEMES TOPIQUES**  
[72] NEWTON, CHRISTOPHER DANIEL, CA  
[72] LEBRUN, MARCEL ALBERT, CA  
[72] RAMSEY, CHRISTOPHER BENNETT, CA  
[73] SALESFORCE.COM, INC., US  
[86] (2650319)  
[87] (2650319)  
[22] 2009-01-20  
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[25] EN  
[54] **COSMETIC AND PHARMACEUTICAL COMPOSITIONS**  
[54] **COMPOSITIONS COSMETIQUES ET PHARMACEUTIQUES**  
[72] ODDOS, THIERRY, FR  
[72] VON STETTEN, OTTO, DE  
[72] VAN HIJFTE, LUC, FR  
[73] JOHNSON & JOHNSON CONSUMER FRANCE S.A.S., FR  
[86] (2646775)  
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[22] 2008-12-15  
[30] EP (07291588.7) 2007-12-21

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[13] C

[51] **Int.Cl. H04N 21/432 (2011.01) H04N 21/414 (2011.01) H04N 21/4408 (2011.01) G07F 17/16 (2006.01) G11B 20/10 (2006.01)**  
[25] EN  
[54] **VIRTUAL DVD ON DEMAND AND ELECTRONIC DVD RENTAL/BUY/BURN**  
[54] **DVD VIRTUEL A LA DEMANDE ET LOCATION/ACHAT/ENREGISTREMENT ELECTRONIQUE DE DVD**  
[72] HAMERSLEY, ALAN BRUCE, US  
[73] THOMSON LICENSING, FR  
[85] 2008-10-03  
[86] 2007-01-16 (PCT/US2007/001062)  
[87] (WO2007/117341)  
[30] US (US2006/013732) 2006-04-12  
[30] US (US2006/021457) 2006-06-01  
[30] US (60/836,410) 2006-08-08

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[13] C

[51] **Int.Cl. H04W 40/22 (2009.01)**  
[25] EN  
[54] **METHOD OF DISCOVERING AN AD-HOC ON-DEMAND DISTANCE VECTOR ROUTE HAVING AT LEAST A MINIMUM SET OF AVAILABLE RESOURCES IN A DISTRIBUTED WIRELESS COMMUNICATIONS NETWORK**  
[54] **PROCEDE POUR RECHERCHER UN CHEMIN AYANT AU MOINS UN ENSEMBLE MINIMUM DE RESSOURCES DISPONIBLES DANS UN RESEAU DE COMMUNICATION SANS FIL REPARTI AU MOYEN D'UN PROTOCOLE A VECTEUR DE DISTANCE A LA DEMANDE AD HOC**  
[72] CHOU, CHUN-TING, US  
[73] KONINKLIJKE PHILIPS ELECTRONICS, N.V., NL  
[85] 2008-10-29  
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[54] **REGIMES THERAPEUTIQUES PERSONNALISES POUR UN PATIENT**  
[72] ZDEBLICK, MARK J., US  
[72] THOMPSON, ANDREW, US  
[72] SAVAGE, GEORGE M., US  
[73] PROTEUS DIGITAL HEALTH, INC., US  
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[51] **Int.Cl. A61K 38/18 (2006.01) A61P 25/00 (2006.01) C07K 14/475 (2006.01)**  
[25] EN  
[54] **USE OF VEGF AND HOMOLOGUES TO TREAT NEURON DISORDERS**  
[54] **UTILISATION DE VEGF ET D'HOMOLOGUES POUR TRAITER DES DESORDRES DU NEURONE**  
[72] CARMELIET, PETER, BE  
[72] COLLEN, DESIRE, BE  
[72] OOSTHUYSE, BERT, BE  
[73] VLAAMS INTERUNIVERSITAIR INSTITUUT VOOR BIOTECHNOLOGIE VZW, BE  
[73] LIFE SCIENCES RESEARCH PARTNERS VZW, BE  
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[51] **Int.Cl. G06F 17/24 (2006.01)**  
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[54] **DOCUMENT AUTOMATION SYSTEMS**  
[54] **SYSTEMES D'AUTOMATISATION DE DOCUMENTS**  
[72] PICKLES, DAVID KENDAL, GB  
[72] AHMED, ALI SHAHID, GB  
[72] DOW, ROBERT JAMES, GB  
[73] PRACTICAL LAW COMPANY LIMITED, GB  
[85] 2008-12-08  
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[13] C

[51] **Int.Cl. A61B 17/34 (2006.01)**  
[25] EN  
[54] **SINGLE PORT DEVICE WITH MULTI-LUMEN CAP**  
[54] **DISPOSITIF A ORIFICE UNIQUE AVEC CAPUCHON MULTILUMIERE**  
[72] RICHARD, PAUL D., US  
[72] STELLON, GENE A., US  
[72] CARTER, SALLY, US  
[72] ROCKROHR, BRIAN, US  
[72] HARTOUMBEEKIS, ELIAS, US  
[73] TYCO HEALTHCARE GROUP LP, US  
[86] (2655590)  
[87] (2655590)  
[22] 2009-02-25  
[30] US (61/033,083) 2008-03-03  
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[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0482 (2013.01) G06F 17/27 (2006.01) G06F 15/02 (2006.01)**  
[25] EN  
[54] **HANDHELD ELECTRONIC DEVICE HAVING MULTIPLE-AXIS INPUT DEVICE AND SELECTABLE LANGUAGE INDICATOR FOR LANGUAGE SELECTION, AND ASSOCIATED METHOD**  
[54] **DISPOSITIF ELECTRONIQUE PORTATIF POSSEDANT UN DISPOSITIF D'ENTREE A AXES MULTIPLES ET UN INDICATEUR DE LANGUE POUVANT ETRE SELECTIONNE A DES FINS DE SELECTION DE LANGUE ET PROCEDEASSOCIE**  
[72] SCOTT, SHERRYL LEE LORRAINE, CA  
[72] SOMANI, ZAHEEN, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2008-12-16  
[86] 2007-11-09 (PCT/CA2007/002020)  
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[54] **CIBLAGE DU FACTEUR H DU SYSTEME COMPLEMENTAIRE DESTINE AU TRAITEMENT DE MALADIES**  
[72] GILKESON, GARY, US  
[72] TOMLINSON, STEPHEN, US  
[72] HOLERS, V. MICHAEL, US  
[72] ROHRER, BAERBEL, US  
[73] MUSC FOUNDATION FOR RESEARCH DEVELOPMENT, US  
[73] THE REGENTS OF THE UNIVERSITY OF COLORADO, US  
[85] 2008-12-15  
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[25] EN  
[54] **DOWNHOLE CABLES WITH BOTH FIBER AND COPPER ELEMENTS**  
[54] **CABLES DE FOND DE TROU POURVUS D'ELEMENTS FIBREUX ET D'ELEMENTS EN CUIVRE**  
[72] HERBST, BRIAN G., US  
[73] AFL TELECOMMUNICATIONS LLC, US  
[85] 2009-01-05  
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[25] EN  
[54] **METHOD AND SYSTEM FOR REMOTE REVIEW OF CLINICAL DATA**  
[54] **PROCEDE ET SYSTEME DE REVUE A DISTANCE DE DONNEES CLINIQUES**  
[72] HOLLA, SEEMA, US  
[72] DALA-KRISHNA, PRAVEEN, US  
[73] VOCERA ACQUISITION CORP., US  
[85] 2009-01-12  
[86] 2007-07-18 (PCT/US2007/016279)  
[87] (WO2008/011063)  
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[25] EN  
[54] **DRYWALL BACKING APPARATUS AND METHOD OF INSTALLING SAME**  
[54] **APPAREIL DE BLOCAGE DE CLOISON SECHE ET PROCEDE D'INSTALLATION ASSOCIE**  
[72] BELANGER, GHISLAIN, CA  
[73] BELANGER, GHISLAIN, CA  
[86] (2659794)  
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[22] 2009-03-24  
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[25] EN  
[54] **FAILOVER SYSTEM AND METHOD**  
[54] **SYSTEME DE SECOURS ET PROCEDE**  
[72] MOROSAN, TUDOR, CA  
[72] ALLEN, GREGORY A., CA  
[72] PAVLENKO, VIKTOR, CA  
[72] LAM, BENSON SZE-KIT, CA  
[73] TSX INC., CA  
[85] 2009-02-03  
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[13] C

[51] **Int.Cl. G06T 5/00 (2006.01) H04N 5/217 (2011.01)**  
[25] EN  
[54] **REDUCING NOISE IN DIGITAL IMAGES**  
[54] **REDUCTION DU BRUIT DANS DES IMAGES NUMERIQUES**  
[72] GUTKOWICZ-KRUSIN, DINA, US  
[72] KABELEV, NIKOLAI, US  
[73] MELA SCIENCES, INC., US  
[85] 2009-02-06  
[86] 2007-08-07 (PCT/US2007/075333)  
[87] (WO2008/019358)  
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[51] **Int.Cl. A61M 1/34 (2006.01) A61M 1/36 (2006.01)**  
[25] EN  
[54] **CARDIOTOMY RESERVOIR WITH BLOOD INFLOW AND OUTFLOW CONNECTORS LOCATED FOR OPTIMIZING OPERATION**  
[54] **RESERVOIR POUR CARDIOTOMIE AVEC RACCORDS DE FLUX SANGUIN ENTRANT ET SORTANT DONT LES EMBLEMENTS OPTIMISENT LE FONCTIONNEMENT**  
[72] GHELLI, NICOLA, IT  
[72] COSTA MAIANTI, EDGARDO, IT  
[72] BALANZONI, ROBERTO, IT  
[72] PETRALIA, ANTONIO, IT  
[73] EUROSETS S.R.L., IT  
[86] (2661656)  
[87] (2661656)  
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[13] C

[51] **Int.Cl. C13B 20/16 (2011.01)**  
[25] EN  
[54] **EXTRACTS DERIVED FROM SUGAR CANE AND A PROCESS FOR THEIR MANUFACTURE**  
[54] **EXTRAITS DERIVES DU SUCRE DE CANNE ET PROCEDE DE PRODUCTION DE CEUX-CI**  
[72] KANNAR, DAVID, AU  
[72] KITCHEN, BARRY JAMES, AU  
[73] THE PRODUCT MAKERS (AUSTRALIA) PTY LTD, AU  
[85] 2009-03-02  
[86] 2007-09-19 (PCT/AU2007/001382)  
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[13] C

[51] **Int.Cl. F17D 5/00 (2006.01)**  
[25] EN  
[54] **A PROCESS FOR MAPPING OFF-SITE PIPING SYSTEMS IN A REFINERY AND/OR PETROCHEMICAL FACILITY AND A SYSTEM FOR PROVIDING EMERGENCY ISOLATION AND RESPONSE IN A REFINERY AND/OR PETROCHEMICAL FACILITY**

[54] **UN PROCEDE DE CARTOGRAPHIE DE RESEAUX DE TUYAUX HORS SITE DANS UNE RAFFINERIE OU UNE INSTALLATION PETROCHIMIQUE ET UN SYSTEME SERVANT A FOURNIR L'ISOLATION D'URGENCE ET LA MESURE A PRENDRE DANS UNE RAFFINERIE OU UNE INSTALLATION PETROCHIMIQUE**

[72] HILL, SUSAN C., US  
[72] CALHOUN, ELVIS L., US  
[72] CASTRO, WILLIAM, US  
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2009-03-10  
[86] 2007-09-11 (PCT/US2007/019695)  
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[51] **Int.Cl. B01D 46/04 (2006.01) B01D 29/66 (2006.01)**  
[25] EN  
[54] **DUST COLLECTOR WITH EQUALIZED CLEANING PERFORMANCE**

[54] **COLLECTEUR DE POUSSIÈRES AVEC PERFORMANCE DE NETTOYAGE EGALISÉE**

[72] NAHEY, BRIAN, US  
[72] BITNER, GLENN W., US  
[72] GERARDI, MICHAEL T., US  
[73] VENTUREDYNE, LTD., US  
[86] (2663665)  
[87] (2663665)  
[22] 2009-04-22  
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[51] **Int.Cl. G07B 15/02 (2011.01) H04W 48/00 (2009.01) G06Q 20/32 (2012.01) H04B 5/00 (2006.01)**  
[25] EN  
[54] **MOBILE TRANSIT FARE PAYMENT**

[54] **PAIEMENT DE PRIX DE TRANSIT MOBILE**

[72] HAMMAD, AYMAN, US  
[72] DIXON, PHIL, US  
[73] VISA U.S.A. INC., US  
[85] 2009-03-26  
[86] 2007-09-25 (PCT/US2007/079453)  
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[30] US (11/536,296) 2006-09-28

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[25] EN  
[54] **METHOD FOR PRODUCING METAL OXIDE COMPOSITIONS AND COATED SUBSTRATES**

[54] **PROCEDE DESTINE A PRODUIRE DES COMPOSITIONS D'OXYDES METALLIQUES ET DES SUBSTRATS REVETUS**

[72] SCRANTON, DELBERT C., JR., US  
[73] SCRANTON, DELBERT C., JR., US  
[85] 2009-03-26  
[86] 2007-08-23 (PCT/US2007/076668)  
[87] (WO2008/073539)  
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[54] **CONTROLLED DISPENSING SHEET PRODUCT DISPENSER**

[54] **DISTRIBUTEUR DE PRODUITS DE TYPE FEUILLES A DISTRIBUTION CONTROLÉE**

[72] CITTADINO, ANTONIO M., US  
[72] OLEJNICZAK, JAMES T., US  
[72] KUEHNEMAN, BRET A., US  
[72] REINSEL, CHRISTOPHER M., US  
[73] GEORGIA-PACIFIC CONSUMER PRODUCTS LP, US  
[85] 2009-03-27  
[86] 2007-10-03 (PCT/US2007/080316)  
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[30] US (60/849,194) 2006-10-03  
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[51] **Int.Cl. C12N 15/09 (2006.01)**  
[25] EN  
[54] **CELLULASE-FREE ENZYME COMPOSITIONS AND HOST CELLS FOR PRODUCING THE SAME**

[54] **COMPOSITIONS D'ENZYMES DEPOURVUES DE CELLULASE ET CELLULES HOTES DESTINEES A LEUR PRODUCTION**

[72] CERVIN, MARGUERITE A., US  
[73] DANISCO US, INC., GENENCOR DIVISION, US  
[85] 2009-04-03  
[86] 2007-09-26 (PCT/US2007/020851)  
[87] (WO2008/045214)  
[30] US (60/849,982) 2006-10-06

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[51] **Int.Cl. E04C 2/36 (2006.01) E04C 2/284 (2006.01) E04D 11/00 (2006.01)**  
[25] EN  
[54] **STRUCTURAL INSULATING PANEL AND FLAT ROOF STRUCTURE EMPLOYING SAME**

[54] **PANNEAU D'ISOLATION STRUCTUREL ET STRUCTURE DE TOIT PLAT Y FAISANT APPEL**

[72] TARABA, JEFFREY M., CA  
[72] TARABA, EMIL M., CA  
[73] THERMAPAN STRUCTURAL INSULATED PANELS INC., CA  
[86] (2665652)  
[87] (2665652)  
[22] 2009-05-08  
[30] US (12/118,011) 2008-05-09

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[13] C

[51] **Int.Cl. H04L 27/26 (2006.01) H04J 11/00 (2006.01) H04L 5/02 (2006.01)**  
[25] EN  
[54] **SCRAMBLED CAZAC SEQUENCES FOR SC-FDMA**

[54] **SIGNALISATION**

[72] PAJUKOSKI, KARI, FI  
[72] TIROLA, ESA, FI  
[73] NOKIA TECHNOLOGIES OY, FI  
[85] 2009-04-03  
[86] 2007-09-19 (PCT/IB2007/002829)  
[87] (WO2008/041080)  
[30] GB (0619530.9) 2006-10-03  
[30] US (11/726,877) 2007-03-23

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[13] C  
[51] **Int.Cl. A61B 17/34 (2006.01)**  
[25] EN  
[54] **BUTTON PORT**  
[54] **ORIFICE A BOUTON**  
[72] CARTER, SALLY, US  
[73] TYCO HEALTHCARE GROUP LP,  
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[86] (2666883)  
[87] (2666883)  
[22] 2009-05-25  
[30] US (61/075,548) 2008-06-25  
[30] US (12/467,451) 2009-05-18

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[13] C  
[51] **Int.Cl. H01R 24/00 (2011.01) H01R  
24/58 (2011.01) H01R 9/03 (2006.01)**  
[25] EN  
[54] **PLUG-IN CONNECTOR AND  
METHOD FOR CONNECTING  
ELECTRICAL CONDUCTORS TO  
A PLUG-IN CONNECTOR**  
[54] **CONNECTEUR ENFICHABLE ET  
METHODE DE RACCORDEMENT  
DE CONDUCTEURS  
ELECTRIQUES AUDIT  
CONNECTEUR**  
[72] BOECK, WERNER, DE  
[72] KRAEMER, RUDOLF E., DE  
[72] SCHMIDT, RALF, DE  
[72] SZELAG, MARTIN, DE  
[73] TE CONNECTIVITY GERMANY  
GMBH, DE  
[86] (2667744)  
[87] (2667744)  
[22] 2009-05-29  
[30] DE (10 2008 027 512.3) 2008-06-10

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[51] **Int.Cl. C08K 3/22 (2006.01) C08K  
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[25] EN  
[54] **POWDER COMPOSITIONS AND  
METHODS OF MANUFACTURING  
ARTICLES THEREFROM**  
[54] **COMPOSITIONS DE POUDRE ET  
PROCEDES DE FABRICATION  
D'ARTICLES A PARTIR DE  
CELLES-CI**  
[72] MARTINONI, RAFFAELE, CH  
[73] 3D SYSTEMS, INC., US  
[85] 2009-05-06  
[86] 2007-10-30 (PCT/US2007/082953)  
[87] (WO2008/057844)  
[30] US (60/865,112) 2006-11-09

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[13] C  
[51] **Int.Cl. A61B 17/068 (2006.01) A61B  
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[25] EN  
[54] **SURGICAL RETRACTION  
MECHANISM**  
[54] **DISPOSITIF CHIRURGICAL  
D'ESCAMOTAGE**  
[72] MARCZYK, STANISLAW, US  
[73] TYCO HEALTHCARE GROUP LP,  
US  
[86] (2668903)  
[87] (2668903)  
[22] 2009-06-15  
[30] US (61/081,456) 2008-07-17  
[30] US (12/476,327) 2009-06-02

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[13] C  
[51] **Int.Cl. H05B 37/02 (2006.01)**  
[25] EN  
[54] **PROGRAMMABLE  
UNDERWATER LIGHTING  
SYSTEM**  
[54] **SYSTEME D'ECLAIRAGE SOUS  
L'EAU PROGRAMMABLE**  
[72] CONOVER, GILBERT, US  
[72] POTUCEK, KEVIN L., US  
[72] SLONIM, LLOYD, US  
[72] BRUNETTI, CARL L., US  
[72] GONSALVES, JOSEPH, US  
[72] CANAVAN, PAUL, US  
[73] HAYWARD INDUSTRIES, INC., US  
[85] 2009-05-22  
[86] 2007-11-28 (PCT/US2007/085793)  
[87] (WO2008/067402)  
[30] US (60/861,607) 2006-11-28

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[13] C  
[51] **Int.Cl. B62D 55/24 (2006.01) F16H  
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F16H 55/52 (2006.01)**  
[25] EN  
[54] **TRACK SYSTEM WITH  
ADJUSTABLE WIDTH**  
[54] **CHENILLE AVEC LARGEUR  
REGLABLE**  
[72] ARCHAMBAULT, RENE, CA  
[72] BESSETTE, ROBERT, CA  
[72] PROVENCHER, GUILLAUME, CA  
[72] THIBAUT, JONATHAN, CA  
[73] SOUCY INTERNATIONAL INC., CA  
[86] (2670581)  
[87] (2670581)  
[22] 2009-06-29  
[30] US (61/076,531) 2008-06-27

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[13] C  
[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/04  
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[25] EN  
[54] **EQUINE AIRWAY DISORDERS**  
[54] **TROUBLES DES VOIES  
RESPIRATOIRES CHEZ LES  
EQUIDES**  
[72] LINDENTHALER, WERNER, AT  
[72] SANDERS, IRA, US  
[72] DUCHARME, NORM G., US  
[73] MED-EL ELEKTROMEDIZINISCHE  
GERAETE GMBH, AT  
[73] CORNELL UNIVERSITY, US  
[85] 2009-05-29  
[86] 2007-12-21 (PCT/US2007/088557)  
[87] (WO2008/080062)  
[30] US (60/871,533) 2006-12-22

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[13] C  
[51] **Int.Cl. F22B 1/28 (2006.01) E21B  
43/24 (2006.01)**  
[25] EN  
[54] **PRODUCTION OF STEAM AND  
ITS APPLICATION TO  
ENHANCED OIL RECOVERY**  
[54] **PRODUCTION DE VAPEUR ET  
SES APPLICATIONS A  
L'EXTRACTION AMELIOREE DU  
PETROLE**  
[72] AUDIBERT-HAYET, ANNIE, FR  
[73] TOTAL S.A., FR  
[86] (2671255)  
[87] (2671255)  
[22] 2009-07-07

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[13] C

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[25] EN  
[54] **FUEL NOZZLE CENTERBODY AND METHOD OF ASSEMBLING THE SAME**  
[54] **CORPS CENTRAL D'INJECTEUR DE CARBURANT ET METHODE D'ASSEMBLAGE**  
[72] DUNCAN, BEVERLY STEPHENSON, US  
[72] BENJAMIN, MICHAEL ANTHONY, US  
[72] HSIAO, GEORGE CHIA-CHUN, US  
[72] MONGIA, HUKAM CHAND, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2672502)  
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[22] 2009-07-16  
[30] US (12/176,898) 2008-07-21

[11] **2,672,806**

[13] C

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[54] **SHROUDED ROTOR BLADE WITH OUTER PLENUM AND METHOD OF FABRICATING THE SAME**  
[54] **PALE DE ROTOR ENVELOPPEE COMPORTANT UN VIDE EXTERIEUR ET METHODE DE FABRICATION ASSOCIEE**  
[72] DESANDER, DONALD BRETT, US  
[72] KOPRIVA, JAMES EARL, US  
[72] MANNING, ROBERT FRANCIS, US  
[72] ATHANS, ROBERT EDWARD, US  
[72] GLEDHILL, MARK DOUGLAS, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2672806)  
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[22] 2009-07-23  
[30] US (12/181,740) 2008-07-29

[11] **2,674,245**

[13] C

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[25] EN  
[54] **UPGRADING WASTE HEAT WITH HEAT PUMPS FOR THERMOCHEMICAL HYDROGEN PRODUCTION**  
[54] **RECUPERATION DE CHALEUR AU MOYEN DE POMPES A CHALEUR POUR LA PRODUCTION THERMOCHEMIQUE D'HYDROGENE**  
[72] MARCEAU, RICHARD, CA  
[72] NATERER, GREG, CA  
[73] MARCEAU, RICHARD, CA  
[73] NATERER, GREG, CA  
[86] (2674245)  
[87] (2674245)  
[22] 2009-07-30  
[30] US (12/184,423) 2008-08-01

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- [51] **Int.Cl. A61B 17/94 (2006.01) A61B 1/008 (2006.01)**  
[25] EN  
[54] **ARTICULATING SURGICAL DEVICE**  
[54] **DISPOSITIF CHIRURGICAL ARTICULE**  
[72] FORTIER, RICHARD, US  
[72] ZIEGLER, ANDREW, US  
[72] CRUZ, AMOS, US  
[72] STELLON, GENE A., US  
[72] EVANS, STEVE, US  
[73] TYCO HEALTHCARE GROUP LP, US  
[86] (2674520)  
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[22] 2009-07-31  
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- [51] **Int.Cl. G06F 17/00 (2006.01) H04L 29/06 (2006.01)**  
[25] EN  
[54] **SYNCHRONOUS TO ASYNCHRONOUS WEB PAGE CONVERSION**  
[54] **CONVERSION DE PAGE WEB DE SYNCHRONE A ASYNCHRONE**  
[72] SAWANT, NITIN M., IN  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[86] (2674659)  
[87] (2674659)  
[22] 2009-08-04  
[30] IN (1660/MUM/2008) 2008-08-05

[11] **2,675,028**

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- [51] **Int.Cl. G01N 21/47 (2006.01) G01B 11/30 (2006.01) G01N 21/27 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR THE EXAMINATION OF AN OBJECT**  
[54] **PROCEDE ET DISPOSITIF POUR L'EXAMEN D'UN OBJET**  
[72] WEINHOLD, WOLFGANG, DE  
[73] WEINHOLD, WOLFGANG, DE  
[85] 2009-07-09  
[86] 2007-12-28 (PCT/DE2007/002316)  
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[30] DE (10 2007 002 106.4) 2007-01-09

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[25] EN  
[54] **VARIABLE SLOPE EXHAUST NOZZLE**  
[54] **TUYERE D'EJECTION A PENTE VARIABLE**  
[72] DINDAR, MUSTAFA, US  
[72] BURTON, SCOTT ANDREW, US  
[72] BLODGETT, KEITH EDWARD JAMES, US  
[72] CEDAR, RICHARD DAVID, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2675907)  
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[51] **Int.Cl. H02S 30/20 (2014.01) H02S 30/00 (2014.01) E06B 9/40 (2006.01)**  
[25] EN  
[54] **A ROLLABLE PHOTOVOLTAIC COMPOSITE AND A SOLAR PROTECTION DEVICE WITH SUCH A COMPOSITE**  
[54] **COMPOSITE PHOTOVOLTAIQUE ENROULABLE ET DISPOSITIF DE PROTECTION SOLAIRE COMPRENANT CE COMPOSITE**  
[72] NOCITO, CHRISTOPHE, FR  
[72] KONCAR, VLADAN, FR  
[72] RAYMOND, LAURENT, FR  
[73] DICKSON CONSTANT, FR  
[86] (2676277)  
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[13] C

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[25] EN  
[54] **GENERATING PAGE-ORIENTED DATA FOR PRINTING DYNAMIC DOCUMENTS**  
[54] **GENERATION DE DONNEES ORIENTEES PAGES POUR L'IMPRESSION DE DOCUMENTS EVOLUTIFS**  
[72] LETOCHA, BORIS, CZ  
[72] KNOULICH, JAN, CZ  
[73] GMC SOFTWARE AG, CH  
[86] (2676464)  
[87] (2676464)  
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[25] EN  
[54] **STABILIZED P53 PEPTIDES AND USES THEREOF**  
[54] **PEPTIDES P53 STABILISES ET UTILISATIONS DE CEUX-CI**  
[72] BERNAL, FEDERICO, US  
[72] WALENSKY, LOREN D., US  
[72] VERDINE, GREGORY L., US  
[72] KORSMEYER, STANLEY, US  
[73] DANA-FARBER CANCER INSTITUTE, INC., US  
[73] PRESIDENT & FELLOWS OF HARVARD COLLEGE, US  
[85] 2009-07-29  
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[51] **Int.Cl. H04W 80/02 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ENHANCING RLC FOR FLEXIBLE RLC PDU SIZE**  
[54] **PROCEDE ET APPAREIL POUR AMELIORER UN CONTROLE DE LIAISON RADIO (RLC) POUR UNE TAILLE SOUPLE D'UNITE DE DONNEES PAR PAQUET (PDU) DE RLC**  
[72] PANI, DIANA, CA  
[72] MILLER, JAMES M., US  
[72] MARINIER, PAUL, CA  
[72] TERRY, STEPHEN E., US  
[72] GRANDHI, SUDHEER A., US  
[73] INTERDIGITAL TECHNOLOGY CORPORATION, US  
[85] 2009-07-29  
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[30] US (60/895,471) 2007-03-18  
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[25] EN  
[54] **A RECOMBINANT VECTOR EXPRESSING MULTIPLE COSTIMULATORY MOLECULES AND USES THEREOF**  
[54] **VECTEUR RECOMBINE EXPRIMANT DES MOLECULES COSTIMULANTES MULTIPLES ET LEURS UTILISATIONS**  
[72] SCHLOM, JEFFREY, US  
[72] HODGE, JAMES, US  
[72] PANICALI, DENNIS, US  
[73] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
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[54] **OPHTHALMOLOGIC APPARATUS FOR IMAGING AN EYE BY OPTICAL COHERENCE TOMOGRAPHY**  
[54] **APPAREIL OPHTALMOLOGIQUE POUR IMAGERIE D'UN OEIL PAR TOMOGRAPHIE A COHERENCE OPTIQUE**  
[72] MALOCA, PETER, CH  
[72] HAROUD, KARIM, CH  
[72] SCHNELL, URBAN, CH  
[73] MIMO AG, CH  
[85] 2009-08-17  
[86] 2008-02-18 (PCT/CH2008/000067)  
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- [25] EN
- [54] **ZIRCONIUM-BASED CROSS-LINKER COMPOSITIONS AND THEIR USE IN HIGH PH OIL FIELD APPLICATIONS**
- [54] **COMPOSITIONS D'AGENT DE RETICULATION A BASE DE ZIRCONIUM ET LEUR UTILISATION DANS DES APPLICATIONS DE CHAMP PETROLIFERE A PH ELEVE**
- [72] PUTZIG, DONALD EDWARD, US
- [73] DORF KETAL SPECIALITY CATALYSTS, LLC, US
- [85] 2009-08-18
- [86] 2008-03-28 (PCT/US2008/004123)
- [87] (WO2008/121357)
- [30] US (11/731,049) 2007-03-30

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[13] C

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- [25] EN
- [54] **USE OF LACTOBACILLUS PLANTARUM FOR INCREASING BACTERIAL DIVERSITY**
- [54] **UTILISATION DE LACTOBACILLUS PLANTARUM POUR AUGMENTER LA DIVERSITE BACTERIENNE**
- [72] MOLIN, GOERAN, SE
- [72] AHRNE, SIV, SE
- [72] KARLSSON, CAROLINE, SE
- [72] JEPPSSON, BENGT, SE
- [73] PROBI AB, SE
- [85] 2009-08-31
- [86] 2008-02-29 (PCT/SE2008/000170)
- [87] (WO2008/105715)
- [30] SE (0700551-5) 2007-03-01

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[13] C

- [51] **Int.Cl. E21B 43/114 (2006.01) E21B 43/26 (2006.01)**
- [25] EN
- [54] **METHODS USING FLUID STREAM FOR SELECTIVE STIMULATION OF RESERVOIR LAYERS**
- [54] **PROCEDES UTILISANT UN COURANT DE FLUIDE POUR STIMULER SELECTIVEMENT DES COUCHES DE RESERVOIR**
- [72] ZIAUDDIN, MURTAZA, AE
- [72] PARRY, ANDREW, FR
- [72] KANE, MOUSSA, US
- [73] SCHLUMBERGER CANADA LIMITED, CA
- [85] 2009-08-31
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- [30] US (60/904,708) 2007-03-02
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[13] C

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- [25] EN
- [54] **RETAINER, LAY-IN LUG ASSEMBLY NUT PLATE RETAINER**
- [54] **BLAQUE DE RETENUE BOULONNEE POUR ASSEMBLAGE PAR TAQUETS**
- [72] CORTES-RICO, GUSTAVO, US
- [72] ROBINSON, KRISTOPHER SCOTT, US
- [73] SIEMENS INDUSTRY, INC., US
- [86] (2679813)
- [87] (2679813)
- [22] 2009-09-22
- [30] US (61/098,838) 2008-09-22
- [30] US (12/563,202) 2009-09-21

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[13] C

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- [25] EN
- [54] **ION MOBILITY SPECTROMETERS**
- [54] **SPECTROMETRES DE MOBILITE IONIQUE**
- [72] ATKINSON, JONATHAN RICHARD, GB
- [73] SMITHS DETECTION-WATFORD LIMITED, GB
- [85] 2009-09-04
- [86] 2008-03-06 (PCT/GB2008/000759)
- [87] (WO2008/110754)
- [30] GB (0704547.9) 2007-03-09

[11] **2,680,381**

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- [51] **Int.Cl. B62K 19/40 (2006.01)**
- [25] EN
- [54] **BICYCLE FRAME WITH STORAGE ELEMENT**
- [54] **CADRE DE BICYCLETTE AVEC ELEMENT DE RANGEMENT**
- [72] WHITE, PHILIP, CA
- [73] VROOMEN/WHITE DESIGN INC., CA
- [86] (2680381)
- [87] (2680381)
- [22] 2009-09-23
- [30] US (61/099547) 2008-09-23
- [30] US (61/136679) 2008-09-24

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[13] C

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- [25] EN
- [54] **INHIBITORS OF CHOLESTEROL ESTER TRANSFER PROTEIN**
- [54] **INHIBITEURS DE PROTEINE DE TRANSFERT D'ESTER DE CHOLESTEROL**
- [72] TUNG, ROGER, US
- [73] CONCERT PHARMACEUTICALS, INC., US
- [85] 2009-09-16
- [86] 2008-03-14 (PCT/US2008/003449)
- [87] (WO2008/115442)
- [30] US (60/895,207) 2007-03-16
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[54] **AIR DRYER WITH PRE-FILTER**  
[54] **DISPOSITIF DE DESSICCATION D'AIR EQUIPE D'UN PRE-FILTRE**

[72] WRIGHT, ERIC, US  
[72] KOHAR, RICHARD, CA  
[73] NEW YORK AIR BRAKE CORPORATION, US

[85] 2009-09-23  
[86] 2008-02-08 (PCT/US2008/053465)  
[87] (WO2008/130730)  
[30] US (11/736,253) 2007-04-17

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[13] C

[51] **Int.Cl. G01R 11/04 (2006.01)**

[25] EN  
[54] **TRANSPARENT METER REGISTER COVER WITH INTEGRAL LIGHT PIPE**  
[54] **COUVERCLE DE REGISTRE DE COMPTEUR TRANSPARENT AVEC TUBULURE DE LUMIERE INTEGREE**

[72] BENSON, RONALD D., US  
[72] OLSON, JOHN A., US  
[73] BADGER METER, INC., US

[85] 2009-10-06  
[86] 2008-04-15 (PCT/US2008/060339)  
[87] (WO2008/134238)  
[30] US (11/789,640) 2007-04-25

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[13] C

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[25] EN  
[54] **INHIBITORS OF HISTONE DEACETYLASE**  
[54] **INHIBITEURS D'HISTONE DEACETYLASE**

[72] TESSIER, PIERRE, CA  
[72] LEIT, SILVANA, CA  
[72] SMIL, DAVID, CA  
[72] DEZIEL, ROBERT, CA  
[72] AJAMIAN, ALAIN, CA  
[72] CHANTIGNY, YVES ANDRE, CA  
[72] DOMINGUEZ, CELIA, US  
[73] METHYLGENE INC., CA

[85] 2009-10-09  
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[30] US (60/922,505) 2007-04-09

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[13] C

[51] **Int.Cl. B65G 47/248 (2006.01) B65G 47/24 (2006.01)**

[25] EN  
[54] **BOTTLE ORIENTING DEVICE**  
[54] **DISPOSITIF D'ORIENTATION DE BOUTEILLES**

[72] HERZOG, KENNETH J., US  
[73] AUTO-KAPS, LLC, US

[86] (2684208)  
[87] (2684208)  
[22] 2009-10-30  
[30] US (61/110,388) 2008-10-31  
[30] US (12/266,391) 2008-11-06

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[13] C

[51] **Int.Cl. E21B 36/04 (2006.01) E21B 43/24 (2006.01)**

[25] EN  
[54] **PARALLEL HEATER SYSTEM FOR SUBSURFACE FORMATIONS**  
[54] **SYSTEME DE CHAUFFAGE PARALLELE POUR DES FORMATIONS DE SUBSURFACE**

[72] HARRIS, CHRISTOPHER KELVIN, US  
[72] KARANIKAS, JOHN MICHAEL, US  
[72] NGUYEN, SCOTT VINH, US  
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

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[87] (WO2008/131171)  
[30] US (60/925,685) 2007-04-20  
[30] US (60/999,839) 2007-10-19

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[13] C

[51] **Int.Cl. B60K 1/04 (2006.01) B60R 16/04 (2006.01) H01G 2/04 (2006.01) H01M 2/10 (2006.01) H05K 7/20 (2006.01)**

[25] EN  
[54] **ENERGY STORAGE DEVICE**  
[54] **DISPOSITIF DE STOCKAGE D'ENERGIE**

[72] LIKE, NATHAN, US  
[72] GUTMAN, ROBERT F., US  
[72] COULTER, CHRISTOPHER, US  
[72] YORK, MICHAEL T., US  
[73] ALCOA INC., US

[85] 2009-10-22  
[86] 2008-04-17 (PCT/US2008/060598)  
[87] (WO2008/134251)  
[30] US (60/914,537) 2007-04-27  
[30] US (60/969,782) 2007-09-04  
[30] US (12/050,615) 2008-03-18

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[25] EN  
[54] **HAND-HELD SLICER**  
[54] **TRANCHEUSE A MAIN**  
[72] HOLMES, LARRY, US  
[72] KAPOSI, SASCHA, US  
[73] PROGRESSIVE INTERNATIONAL CORPORATION, US  
[86] (2685993)  
[87] (2685993)  
[22] 2009-11-19  
[30] US (61/116,099) 2008-11-19  
[30] US (12/544,103) 2009-08-19

[11] **2,686,271**

[13] C

- [51] **Int.Cl. H02H 9/02 (2006.01) H02H 7/10 (2006.01)**  
[25] EN  
[54] **CURRENT IN-RUSH LIMITING CIRCUIT USING SWITCHABLE CURRENT LIMITING ARRANGEMENT**  
[54] **CIRCUIT LIMITEUR DE COURANT D'APPEL PAR MONTAGE LIMITEUR DE COURANT COMMUTABLE**  
[72] HENSON, JAMES C., US  
[72] VOLPA, PETER, US  
[73] SIEMENS INDUSTRY, INC., US  
[86] (2686271)  
[87] (2686271)  
[22] 2009-11-24  
[30] US (61/117,354) 2008-11-24  
[30] US (12/623,081) 2009-11-20

[11] **2,686,342**

[13] C

- [51] **Int.Cl. B60B 33/00 (2006.01) A47C 19/02 (2006.01) F16D 49/00 (2006.01)**  
[25] EN  
[54] **CASTER WITH WEIGHT TRANSFERRING TAB**  
[54] **ROULETTE AVEC PATTE DE TRANSFERT DE POIDS**  
[72] FRAME, WILLIAM F., US  
[73] JACOB HOLTZ COMPANY, US  
[85] 2009-11-04  
[86] 2008-05-05 (PCT/US2008/062659)  
[87] (WO2008/137847)  
[30] US (60/916,360) 2007-05-07

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[25] EN  
[54] **ALUMINUM ALLOY PRODUCTS HAVING IMPROVED PROPERTY COMBINATIONS AND METHOD FOR ARTIFICIALLY AGING SAME**  
[54] **PRODUIT D'ALLIAGE D'ALUMINIUM AYANT DES COMBINAISONS DE PROPRIETE AMELIOREES ET PROCEDE DESTINE AU VIEILLISSEMENT ARTIFICIEL DUDIT ALLIAGE D'ALUMINIUM**  
[72] BRAY, GARY H., US  
[72] CHAKRABARTI, DHRUBA J., US  
[72] DENZER, DIANA K., US  
[72] LIN, JEN C., US  
[72] NEWMAN, JOHN, US  
[72] VENEMA, GREGORY B., US  
[72] YANAR, CAGATAY, US  
[72] BOSELLI, JULIEN, US  
[73] ALCOA INC., US  
[85] 2009-11-06  
[86] 2008-05-14 (PCT/US2008/006253)  
[87] (WO2008/156532)  
[30] US (11/748,021) 2007-05-14

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[13] C

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[25] EN  
[54] **GRANOLA AND GRANOLA PRODUCTS CONTAINING CHOCOLATE AND METHODS OF PREPARATION**  
[54] **BARRE DE CEREALES ET PRODUITS DE BARRES DE CEREALES CONTENANT DU CHOCOLAT, ET METHODES DE PREPARATION**  
[72] CLANTON, GREGORY A., US  
[72] DECASTRO, MONICA, US  
[73] GENERAL MILLS IP HOLDINGS II, LLC, US  
[86] (2686824)  
[87] (2686824)  
[22] 2009-12-02  
[30] US (61/146,043) 2009-01-21  
[30] US (12/618,952) 2009-11-16

[11] **2,687,750**

[13] C

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[25] EN  
[54] **SUBSTITUTED AMINO-QUINAZOLINONES, MEDICAMENTS COMPRISING SAID COMPOUND, THEIR USE AND THEIR METHOD OF MANUFACTURE**  
[54] **AMINO-QUINAZOLINONES DERIVEES, MEDICAMENTS COMPRENANT LEDIT COMPOSE, LEUR UTILISATION ET LEUR PROCEDE DE FABRICATION**  
[72] FUCHS, KLAUS, DE  
[72] HEINE, NIKLAS, DE  
[72] EICKMEIER, CHRISTIAN, DE  
[72] HANDSCHUH, SANDRA, DE  
[72] DORNER-CIOSSEK, CORNELIA, DE  
[72] HOERER, STEFAN, DE  
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE  
[85] 2009-11-19  
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[87] (WO2009/007300)  
[30] EP (07111885.5) 2007-07-06

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[54] **ACCOMMODATION COMPENSATION SYSTEMS AND METHODS**  
[54] **SYSTEMES ET PROCEDES DE COMPENSATION D'ACCOMMODATION**  
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[72] ZICKLER, LEANDER, US  
[73] AMO DEVELOPMENT, LLC, US  
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[54] **MULTIMODE CONTROLLER FOR LED LIGHT SOURCES**  
[54] **CONTROLEUR MULTIMODE POUR SOURCES LUMINEUSES A DIODES ELECTROLUMINESCENTES**  
[72] CRONMILLER, JAMES J., US  
[73] STAR HEADLIGHT & LANTERN CO., INC., US  
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[87] (2688185)  
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[54] **MANUFACTURE OF COMPLEX COMPOSITE PARTS**  
[54] **FABRICATION DE PARTIES COMPOSITES COMPLEXES**  
[72] LAURENT, PHILIPPE, BE  
[72] DUCHAINE, GEORGES, BE  
[73] TECHSPACE AERO S.A., BE  
[86] (2688192)  
[87] (2688192)  
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[25] EN  
[54] **SYSTEM AND METHOD FOR STABILIZING VERTICALLY STACKED SHEET MATERIAL**  
[54] **SYSTEME ET PROCEDE DE STABILISATION D'UN ENSEMBLE DE MATERIAUX EN FEUILLES EMPILEES VERTICALEMENT**  
[72] SCHOUTEN, ERIK, US  
[73] SCHOUTEN, ERIK, US  
[86] (2688285)  
[87] (2688285)  
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[54] **REMOVING CARBON DIOXIDE FROM AN ATMOSPHERE AND GLOBAL THERMOSTAT**  
[54] **EXTRACTION DU DIOXYDE DE CARBONE AMBIANT ET THERMOSTAT**  
[72] EISENBERGER, PETER, US  
[72] CHICHILNISKY, GRACIELA, US  
[73] EISENBERGER, PETER, US  
[73] CHICHILNISKY, GRACIELA, US  
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[30] US (11/805,271) 2007-05-21  
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[54] **SYSTEM AND METHOD TO DETERMINE ELECTRIC MOTOR EFFICIENCY NONINTRUSIVELY**  
[54] **SYSTEME ET PROCEDE POUR DETERMINER DE MANIERE NON INTRUSIVE L'EFFICACITE D'UN MOTEUR ELECTRIQUE**  
[72] LU, BIN, US  
[72] HABETLER, THOMAS, US  
[72] HARLEY, RONALD, US  
[73] EATON CORPORATION, US  
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[54] **FLUID DISPENSING APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE DE DISTRIBUTION DE FLUIDE**  
[72] CROSSDALE, GARRY W., GB  
[72] SWAIN, ANDREW, GB  
[72] COOPER, MARTIN, US  
[72] BERTUCCI, MICHAEL H., US  
[72] HAGUE, BARRY, GB  
[72] THORNHILL, GUY, GB  
[73] DIVERSEY, INC., US  
[85] 2009-12-02  
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[54] **HOT MELT ADHESIVE BASED ON STYRENE-ETHYLENE-ETHYLENE-PROPYLENE-STYRENE COPOLYMER**  
[54] **ADHESIF THERMOFUSIBLE A BASE D'UN COPOLYMER STYRENE-ETHYLENE-ETHYLENE-PROPYLENE-STYRENE**  
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[73] BOSTIK, INC., US  
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[54] **NON-TOXIC ANTI-CANCER DRUG COMBINING ASCORBATE, MAGNESIUM AND A NAPHTHOQUINONE**  
[54] **MEDICAMENT ANTI-CANCEREUX NON TOXIQUE COMBINANT DE L'ASCORBATE, DU MAGNESIUM ET UNE NAPHTHOQUINONE**  
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[72] JAMISON, JAMES M., US  
[73] SUMMA HEALTH SYSTEM, US  
[85] 2009-12-01  
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[54] **IMPLANT MEDICAL STRATIFIE EN CERAMIQUE**  
[72] PAWAR, VIVEK, US  
[72] JANI, SHILESH C., US  
[72] WEAVER, CAROLYN, US  
[73] SMITH & NEPHEW, INC., US  
[85] 2009-12-07  
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[54] **CROP CATCHING APPARATUS AND CROP HARVESTING MACHINE EMPLOYING THE SAME**  
[54] **DISPOSITIF DE RECOLTE DES CULTURES ET MOISSONNEUSE UTILISANT CELUI-CI**  
[72] SIDHU, RUPINDER SINGH, CA  
[72] CHEEMA, PARMINDER, CA  
[73] SIDHU, RUPINDER SINGH, CA  
[73] CHEEMA, PARMINDER, CA  
[86] (2690394)  
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[54] **DEVICE AND METHOD FOR RESTORATION OF THE CONDITION OF BLOOD**  
[54] **DISPOSITIF ET PROCEDURE DE RESTAURATION DE LA CONDITION SANGUINE**  
[72] LARM, OLLE, SE  
[72] BERGSTROM, THOMAS, SE  
[72] AXELSSON, JONAS, SE  
[72] ADOLFSSON, LARS, SE  
[72] WARD, ROBERT S., US  
[72] MCCREA, KEITH, US  
[73] EXTHERA MEDICAL CORPORATION, US  
[85] 2009-12-09  
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[25] EN  
[54] **VACCINE COMPRISING STREPTOCOCCUS PNEUMONIAE CAPSULAR POLYSACCHARIDE CONJUGATES**  
[54] **VACCIN**  
[72] BIEMANS, RALPH LEON, BE  
[72] HERMAND, PHILIPPE VINCENT, BE  
[72] POOLMAN, JAN, BE  
[73] GLAXOSMITHKLINE BIOLOGICALS S.A., BE  
[85] 2009-12-14  
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[25] EN  
[54] **TAMPER-EVIDENT SEAL FOR A CONTAINER**  
[54] **JOINT ANTI-FRAUDE POUR UN RECIPIENT**  
[72] KYLE, KERRY M., US  
[72] LANGDON, STEPHEN M., US  
[73] PRECISION PACKAGING PRODUCTS, INC., US  
[85] 2009-12-15  
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[25] EN  
[54] **REINFORCED MULL POST ASSEMBLY**  
[54] **ENSEMBLE RENFORCE A MENEAU**  
[72] AN, PAO YU, US  
[73] PLASTPRO 2000, INC., US  
[86] (2691116)  
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[54] **SOLID PHASE REACTION METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE REACTION EN PHASE SOLIDE**  
[72] PREWER, ANDREW RICHARD RUSSELL, GB  
[73] SWEDISH BIOMIMETICS 3000 LTD, GB  
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[54] **MODIFIED POLYSACCHARIDES FOR CONJUGATE VACCINES**

[54] **POLYSACCHARIDES MODIFIES POUR VACCINS CONJUGUES**

[72] MICHON, FRANCIS, US

[72] SARKAR, ARUN, US

[73] PFIZER IRELAND PHARMACEUTICALS, IE

[85] 2009-12-18

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[54] **GROUND CONNECTOR**

[54] **CONNECTEUR DE MISE A LA TERRE**

[72] RZASA, MICHAEL, US

[72] WASON, PETER M., US

[73] BURNDY TECHNOLOGY LLC, US

[86] (2692141)

[87] (2692141)

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[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/112 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **YERSINIA PESTIS ANTIGENS, VACCINE COMPOSITIONS, AND RELATED METHODS**

[54] **ANTIGENES YERSINIA PESTIS, COMPOSITIONS DE VACCINS, ET METHODES ASSOCIEES**

[72] YUSIBOV, VIDADI, US

[72] METT, VADIM, US

[72] MUSYCHUK, KONSTANTIN, US

[73] IBIO, INC., US

[85] 2010-01-08

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[25] EN

[54] **PHENYL AMINO ACID PLEUROMUTILIN DERIVATIVES AND USE THEREOF AS ANTIBIOTICS**

[54] **DERIVES DE PLEUROMUTILINE ACIDE PHENYLAMINO ET LEUR UTILISATION EN TANT QU'ANTIBIOTIQUES**

[72] THIRRING, KLAUS, AT

[72] HEILMAYER, WERNER, AT

[73] NABRIVA THERAPEUTICS AG, AT

[85] 2010-01-07

[86] 2008-07-11 (PCT/AT2008/000254)

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[25] EN

[54] **MOLECULES FOR TARGETING COMPOUNDS TO VARIOUS SELECTED ORGANS OR TISSUES**

[54] **MOLECULES PERMETTANT D'ORIENTER DES COMPOSES VERS DIVERS ORGANES OU TISSUS SELECTIONNES**

[72] HEEMSKERK, JOHANNES ANTONIUS, NL

[72] VAN DEUTEKOM, JUDITH CHRISTINA THEODORA, NL

[72] VAN KUIK-ROMEIJN, PETRA, NL

[72] PLATENBURG, GERARD JOHANNES, NL

[73] BIOMARIN TECHNOLOGIES B.V., NL

[85] 2010-01-12

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[25] EN

[54] **SURGICAL DEVICES AND METHODS FOR TREATING PELVIC CONDITIONS**

[54] **DISPOSITIFS CHIRURGICAUX ET PROCEDES POUR TRAITER DES TROUBLES DU PELVIS**

[72] PETERSON, STEVEN NEIL, US

[73] AMS RESEARCH CORPORATION, US

[85] 2010-01-08

[86] 2008-07-16 (PCT/US2008/008648)

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[54] **MEMORY MANAGEMENT IN A GARBAGE COLLECTION PROCESS**

[54] **GESTION DE MEMOIRE DANS UN PROCEDE DE COLLECTE DE DECHETS**

[72] PHILLIPS, ANTHONY HOWARD, GB

[72] WHARMBY, ANDREW DEAN, GB

[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US

[85] 2010-01-08

[86] 2008-11-27 (PCT/EP2008/066298)

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[51] **Int.Cl. A01D 61/00 (2006.01) A01D 57/20 (2006.01)**

[25] EN

[54] **AGRICULTURAL HARVESTER WITH ACCELERATED DRAPER BELT UNLOAD**

[54] **RECOLTEUSE AVEC DISPOSITIF DE DECHARGEMENT ACCELERE A COURROIE DE CONVOYEUR**

[72] EICK, BRONSON C., US

[72] MCDOWELL, TAD A., US

[73] DEERE & COMPANY, US

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[25] FR

[54] **MECHANICAL PART INCLUDING AN INSERT MADE OF A COMPOSITE MATERIAL**

[54] **PIECE MECANIQUE COMPORTANT UN INSERT EN MATERIAU COMPOSITE**

[72] DUNLEAVY, PATRICK, FR

[72] FRANCHET, JEAN-MICHEL, FR

[72] KLEIN, GILLES, FR

[72] MASSON, RICHARD, FR

[73] SNECMA, FR

[73] MESSIER-BUGATTI-DOWTY, FR

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[13] C

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[25] EN

[54] **CELLULASE ENZYME BASED METHOD FOR THE PRODUCTION OF ALCOHOL AND GLUCOSE FROM PRETREATED LIGNOCELLULOSIC FEEDSTOCK**

[54] **PROCEDE FAISANT APPEL A DES ENZYMES CELLULASES POUR PRODUIRE DE L'ALCOOL ET DU GLUCOSE A PARTIR D'UNE CHARGE LIGNOCELLULOSIQUES PRETRAITEE**

[72] TOLAN, JEFFREY S., CA

[72] FOODY, BRIAN E., CA

[72] ROWLAND, STEPHEN A., CA

[73] IOGEN ENERGY CORPORATION, CA

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[25] EN

[54] **PHARMACEUTICAL PREPARATIONS COMPRISING ELECTROCHEMICALLY ACTIVATED HYPOCHLORITE SOLUTIONS**

[54] **PREPARATIONS PHARMACEUTIQUES COMPRENANT DES SOLUTIONS D'HYPOCHLORITE ACTIVEES ELECTROCHIMIQUEMENT**

[72] BARONIAN, MIHRAN, CH

[73] AZAD PHARMA AG, CH

[85] 2010-01-13

[86] 2008-07-28 (PCT/EP2008/006193)

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[30] US (60/952,035) 2007-07-26

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[54] **ADJUSTABLE BATTERY CHARGER FOR UPS**

[54] **CHARGEUR DE BATTERIE REGLABLE POUR UPS**

[72] BEG, MIRZA AKMAL, US

[72] PETROVIC, LUKA, US

[72] MASCIARELLI, FRANCIS, US

[73] SCHNEIDER ELECTRIC IT CORPORATION, US

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[25] EN

[54] **FUZZY CLASSIFICATION APPROACH TO FAULT PATTERN MATCHING**

[54] **APPROCHE PAR CLASSIFICATION DES APPROXIMATIONS POUR LA CONCORDANCE DE MOTIFS DE DEFAILLANCE**

[72] WEGERICHT, STEPHAN, US

[72] STOECKER, CHAD, US

[72] MARCELL, RICHARD, US

[73] SMARTSIGNAL CORPORATION, US

[85] 2010-02-02

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[25] EN

[54] **ENERGY USAGE PREDICTION AND CONTROL SYSTEM AND METHOD**

[54] **PREVISION D'UTILISATION D'ENERGIE ET SYSTEME ET PROCEDE DE CONTROLE**

[72] RICHARD, AMY, US

[72] KELLY-DETWILER, PETER, US

[72] FRANZ, JOSEPH, US

[73] CONSTELLATION NEWENERGY, INC., US

[85] 2010-02-05

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[25] EN

[54] **POLYMER HYDROGELS AND METHODS OF PREPARATION THEREOF**

[54] **HYDROGELS POLYMERES ET LEURS PROCEDES DE PREPARATION**

[72] AMBROSIO, LUIGI, IT  
[72] SANNINO, ALESSANDRO, IT  
[72] NICOLAIS, LUIGI, IT  
[72] DEMITRI, CHRISTIAN, IT  
[73] GELESIS LLC, US  
[85] 2010-02-09  
[86] 2008-08-08 (PCT/EP2008/006582)  
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[51] **Int.Cl. C04B 28/14 (2006.01) B32B 13/08 (2006.01) C04B 24/24 (2006.01) C04B 24/38 (2006.01)**

[25] EN

[54] **METHOD OF STARCH REDUCTION IN WALLBOARD MANUFACTURING AND PRODUCTS MADE THEREFROM**

[54] **PROCEDE DE REDUCTION D'AMIDON DANS LA FABRICATION D'UN PANNEAU MURAL ET PRODUIT FABRIQUE A PARTIR DE CELUI-CI**

[72] SETHURAMAN,  
GOPALAKRISHNAN, US  
[73] NATIONAL GYPSUM PROPERTIES, LLC, US  
[85] 2010-02-16  
[86] 2008-08-22 (PCT/US2008/010016)  
[87] (WO2009/025861)  
[30] US (60/957,385) 2007-08-22

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[11] **2,696,646**  
[13] C

[51] **Int.Cl. B28B 3/12 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR FORMING A CLAY SLAB**

[54] **APPAREIL ET PROCEDE DE FORMATION D'UNE PLAQUE D'ARGILE**

[72] BELLAR, DAVID, US  
[73] BELLAR, DAVID, US  
[86] (2696646)  
[87] (2696646)  
[22] 2010-03-09  
[30] US (12/383,537) 2009-03-25

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[11] **2,696,863**  
[13] C

[51] **Int.Cl. C07D 271/06 (2006.01) A61K 31/4245 (2006.01) A61K 31/454 (2006.01) A61P 37/00 (2006.01) C07D 413/04 (2006.01) C07D 413/10 (2006.01) C07D 413/14 (2006.01)**

[25] EN

[54] **OXADIAZOLE DERIVATIVES**

[54] **DERIVES D'OXADIAZOLE**

[72] QUATTROPANI, ANNA, CH  
[72] MONTAGNE, CYRIL, FR  
[72] SAUER, WOLFGANG, CH  
[72] CROSIGNANI, STEFANO, FR  
[72] BOMBRUN, AGNES, CH  
[72] MUZERELLE, MATHILDE, FR  
[72] DORBAIS, JEROME, FR  
[72] MARIN, DELPHINE, FR  
[72] GONZALEZ, JEROME, FR  
[72] GERBER, PATRICK, CH  
[73] MERCK SERONO S.A., CH  
[85] 2010-02-16  
[86] 2008-10-01 (PCT/EP2008/063180)  
[87] (WO2009/043889)  
[30] EP (07117921.2) 2007-10-04  
[30] US (60/998,254) 2007-10-09

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[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/68 (2006.01)**

[25] EN

[54] **BILAYERS**

[54] **BICOUCHES**

[72] WALLACE, MARK IAN, GB  
[72] HERON, ANDREW JOHN, GB  
[72] HOLDEN, MATTHEW ALEXANDER, GB  
[73] OXFORD UNIVERSITY INNOVATION LIMITED, GB  
[85] 2010-02-19  
[86] 2008-08-19 (PCT/GB2008/002805)  
[87] (WO2009/024775)  
[30] GB (0716264.7) 2007-08-21

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[11] **2,697,789**  
[13] C

[51] **Int.Cl. C22B 23/00 (2006.01) C22B 1/08 (2006.01) C22B 3/20 (2006.01) C22B 15/00 (2006.01) C22B 3/10 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR EXTRACTING BASE METAL VALUES FROM OXIDE ORES**

[54] **SYSTEME ET PROCEDE POUR EXTRAIRE DES VALEURS EN METAUX COMMUNS A PARTIR DE MINERAIS D'OXYDES**

[72] PEREIRA, ANTONIO CLARETI, BR  
[72] MENDES, FLAVIA DUTRA, BR  
[72] BERNI, TIAGO VALENTIM, BR  
[72] VAHED, AHMED, CA  
[73] VALE INCO LIMITED, CA  
[85] 2010-02-25  
[86] 2008-08-27 (PCT/CA2008/001510)  
[87] (WO2009/026694)  
[30] US (60/968,627) 2007-08-29

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[51] **Int.Cl. G10L 19/08 (2013.01) G10L 21/0232 (2013.01) H04B 1/66 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR NOISE FILLING**

[54] **PROCEDE ET DISPOSITIF DE REMPLISSAGE AVEC DU BRUIT**

[72] TALEB, ANISSE, SE

[72] BRIAND, MANUEL, SE

[72] ULLBERG, GUSTAF, SE

[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2010-02-26

[86] 2008-08-26 (PCT/SE2008/050968)

[87] (WO2009/029036)

[30] US (60/968,230) 2007-08-27

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[11] **2,698,035**  
[13] C

[51] **Int.Cl. H05K 7/20 (2006.01)**

[25] EN

[54] **CABINET FOR ELECTRONIC EQUIPMENT**

[54] **ARMOIRE POUR EQUIPEMENT ELECTRONIQUE**

[72] MALLIA, MICHAEL, US

[72] FULTON, JAMES, US

[73] AFCO SYSTEMS, US

[85] 2010-02-25

[86] 2008-09-02 (PCT/US2008/010311)

[87] (WO2009/032241)

[30] US (60/966,892) 2007-08-30

[30] US (12/231,149) 2008-08-29

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[11] **2,698,048**  
[13] C

[51] **Int.Cl. A61F 2/48 (2006.01) A61B 5/03 (2006.01) A61M 27/00 (2006.01) A61M 39/22 (2006.01)**

[25] EN

[54] **TOOLS AND METHODS FOR PROGRAMMING AN IMPLANTABLE VALVE**

[54] **OUTILS ET PROCEDES DE PROGRAMMATION D'UNE VALVULE IMPLANTABLE**

[72] SOARES, BRIAN M., US

[72] HE, LIJUAN, US

[72] BEDWINEK, ALLISON H., US

[72] JARGER, KYLE, US

[73] CODMAN & SHURTLEFF, INC., US

[86] (2698048)

[87] (2698048)

[22] 2010-03-30

[30] US (12/415,590) 2009-03-31

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[11] **2,698,423**  
[13] C

[51] **Int.Cl. B07C 1/02 (2006.01)**

[25] FR

[54] **HIGH-CAPACITY MAIL RECEIVING DEVICE**

[54] **DISPOSITIF DE RECEPTION D'ARTICLES DE COURRIER A HAUTE CAPACITE**

[72] DESIRE, REGIS, FR

[73] NEOPOST TECHNOLOGIES, FR

[86] (2698423)

[87] (2698423)

[22] 2010-04-08

[30] FR (0952325) 2009-04-09

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[11] **2,699,664**  
[13] C

[51] **Int.Cl. A61K 35/50 (2015.01) A61K 35/35 (2015.01) A61P 9/10 (2006.01) A61P 19/04 (2006.01)**

[25] EN

[54] **ADHERENT CELLS FROM ADIPOSE OR PLACENTA TISSUES AND USE THEREOF IN THERAPY**

[54] **CELLULES ADHERENTES PROVENANT DE TISSUS ADIPEUX OU PLACENTAIRES ET LEUR UTILISATION THERAPEUTIQUE**

[72] MEIRON, MORAN, IL

[72] TOREN, AMIR, IL

[72] OFIR, RACHEL, IL

[72] ABERMAN, ZAMI, IL

[72] DRORI-CARMI, NIRIT, IL

[73] PLURISTEM LTD., IL

[85] 2010-03-15

[86] 2008-09-02 (PCT/IL2008/001185)

[87] (WO2009/037690)

[30] US (60/960,184) 2007-09-19

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[11] **2,700,775**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 30/02 (2012.01)**

[25] EN

[54] **WEB SITE ACCELERATOR**

[54] **ACCELERATEUR DE SITE WEB**

[72] KIRKBY, STEPHEN DENIS, US

[72] SYMONS, MATTHEW, US

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[86] (2700775)

[87] (2700775)

[22] 2010-04-16

[30] US (61/169,892) 2009-04-16

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[11] **2,700,796**  
[13] C

[51] **Int.Cl. B64C 1/06 (2006.01) F16S 3/00 (2006.01) F16S 5/00 (2006.01)**

[25] EN

[54] **STRINGER TRANSITION AND METHOD FOR PRODUCING COMPOSITE PARTS USING THE SAME**

[54] **TRANSITION DE LIMON ET METHODE DE PRODUCTION DE PIECES COMPOSITES AVEC CE MOYEN**

[72] BROOK, KENNETH L., US

[72] PATEL, NIRAJ, US

[72] MORRIS, JOHN D., US

[72] LEE, MICHAEL A., US

[73] THE BOEING COMPANY, US

[86] (2700796)

[87] (2700796)

[22] 2010-04-16

[30] US (12/474,005) 2009-05-28

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[11] **2,701,323**  
[13] C

[51] **Int.Cl. A61K 31/736 (2006.01) A61P 17/02 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS OF GLUCOMANNAN CROSS-LINKED WITH HYALURONIC ACID FOR DERMAL REGENERATION**

[54] **COMPOSITIONS AU GLUCOMANNANE RETICULE AVEC ACIDE HYALURONIQUE POUR REGENERATION DERMIQUE**

[72] HEBER, GEOFFREY, AU

[72] STAMFORD, NICHOLAS PATRICK JOHN, AU

[73] ULTRACEUTICALS R & D PTY LTD, AU

[85] 2010-03-29

[86] 2008-10-03 (PCT/AU2008/001474)

[87] (WO2009/043111)

[30] AU (2007905441) 2007-10-04

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[11] **2,701,493**  
[13] C

[51] **Int.Cl. A63F 9/06 (2006.01)**  
[25] EN  
[54] **IMPROVED SLAT PUZZLE**  
[54] **CASSE-TETE A PALLETES  
AMELIORE**  
[72] WEINREICH, STEVE, US  
[73] WEINREICH, STEVE, US  
[86] (2701493)  
[87] (2701493)  
[22] 2010-04-27  
[30] US (61/214,682) 2009-04-27  
[30] US (12/767,116) 2010-04-26

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[11] **2,701,667**  
[13] C

[51] **Int.Cl. B01D 53/14 (2006.01) C10L  
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[25] EN  
[54] **METHOD AND SYSTEM FOR  
REGENERATING AN AMINE-  
CONTAINING WASH SOLUTION  
OBTAINED DURING GAS  
PURIFICATION**  
[54] **PROCEDE ET INSTALLATION DE  
REGENERATION D'UNE  
SOLUTION DE LAVAGE  
RENFERMANT DES AMINES  
OBTENUE LORS DE  
L'EPURATION DE GAZ**  
[72] GUENTHER, LOTHAR, DE  
[73] HITACHI ZOSEN INOVA  
BIOMETHAN GMBH, DE  
[85] 2010-04-06  
[86] 2008-08-12 (PCT/EP2008/006615)  
[87] (WO2009/092403)  
[30] DE (10 2007 048 565.6) 2007-10-09

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[11] **2,702,534**  
[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61K  
48/00 (2006.01)**  
[25] EN  
[54] **A MULTICOMPONENT OR  
MONOCOMPONENT VACCINE  
TO BE USED AGAINST CHAGAS  
DISEASE, PHARMACEUTICAL  
COMPOSITIONS CONTAINING  
THEM, PROCEDURE FOR THE  
OBTENTION OF IMMUNOGEN OF  
SAID VACCINES, AND NUCLEIC  
ACID USED IN SAID PROCEDURE**  
[54] **VACCIN MULTICOMPOSANT OU  
MONOCOMPOSANT A UTILISER  
CONTRE LA MALADIE DE  
CHAGAS, COMPOSITIONS  
PHARMACEUTIQUES LE  
CONTENANT, PROCEDE POUR  
L'OBTENTION DE  
L'IMMUNOGENE DESDITS  
VACCINS ET ACIDE NUCLEIQUE  
UTILISE DANS LEDIT PROCEDE**  
[72] DE BAEREMAECKER BARROS,  
CARLOS, UY  
[73] DE BAEREMAECKER BARROS,  
CARLOS, UY  
[85] 2010-04-13  
[86] 2008-10-30 (PCT/IB2008/002923)  
[87] (WO2009/056965)  
[30] AR (P20070104827) 2007-10-31

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[13] C

[51] **Int.Cl. H02S 30/00 (2014.01) H02S  
20/23 (2014.01) H02S 40/36 (2014.01)  
B25B 13/00 (2006.01) B25B 13/08  
(2006.01) H02S 40/34 (2014.01)**  
[25] EN  
[54] **MOUNTING SYSTEM FOR SOLAR  
PANELS**  
[54] **SYSTEME DE MONTAGE POUR  
PANNEAUX SOLAIRES**  
[72] CINNAMON, BARRY, US  
[72] LEVY, EMANUEL E., US  
[72] BAKER, DAVID E., US  
[72] AU, ALEXANDER W., US  
[73] ANDALAY SOLAR, INC., US  
[85] 2010-04-14  
[86] 2008-09-22 (PCT/US2008/010992)  
[87] (WO2009/038810)  
[30] US (11/859,724) 2007-09-21

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[11] **2,702,872**  
[13] C

[51] **Int.Cl. C09K 8/32 (2006.01)**  
[25] EN  
[54] **DRILLING COMPOSITION,  
PROCESS FOR ITS  
PREPARATION, AND  
APPLICATIONS THEREOF**  
[54] **COMPOSITION DE FORAGE, SON  
PROCEDE DE PREPARATION ET  
SES APPLICATIONS**  
[72] MUELLER, HEINZ, DE  
[72] HERZOG, NADJA, DE  
[72] MAEKER, DIANA, DE  
[72] FEFER, MICHAEL, CA  
[72] LIU, JUN, CA  
[73] EMERY OLEOCHEMICALS GMBH,  
DE  
[73] SUNCOR ENERGY INC., CA  
[85] 2010-04-16  
[86] 2008-10-24 (PCT/EP2008/064423)  
[87] (WO2009/053455)  
[30] EP (07020796.4) 2007-10-24

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[13] C

[51] **Int.Cl. F01D 25/28 (2006.01) F01D  
25/24 (2006.01) F02C 7/20 (2006.01)**  
[25] EN  
[54] **SUPPORT LINKS WITH  
LOCKABLE ADJUSTMENT  
FEATURE**  
[54] **SUPPORTS DE LIAISON AVEC  
DISPOSITIF DE REGLAGE  
VERROUILLABLE**  
[72] HEYERMAN, JEFFREY BERNARD,  
CA  
[72] OLVER, BRYAN W., CA  
[73] PRATT & WHITNEY CANADA  
CORP., CA  
[86] (2702901)  
[87] (2702901)  
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[13] C

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[25] EN  
[54] **AC MAINS FILTER AND POWER SUPPLY SYSTEM**  
[54] **FILTRE POUR SECTEUR ALTERNATIF ET SYSTEME D'ALIMENTATION EN ENERGIE**  
[72] DONALDSON, CHRIS, US  
[72] HALVERSON, DAVID, US  
[73] AFL TELECOMMUNICATIONS LLC, US  
[85] 2010-04-19  
[86] 2008-10-23 (PCT/US2008/081002)  
[87] (WO2009/055602)  
[30] US (60/982,215) 2007-10-24

[11] **2,703,918**  
[13] C

- [51] **Int.Cl. A61K 31/4418 (2006.01) A61K 9/20 (2006.01) A61K 31/427 (2006.01) A61K 47/30 (2006.01) A61P 31/18 (2006.01)**  
[25] EN  
[54] **SOLID PHARMACEUTICAL DOSAGE FORMS OF ATAZANAVIR AND RITONAVIR COMBINATIONS**  
[54] **FORMULATIONS DE DOSES PHARMACEUTIQUES SOLIDES DE COMBINAISONS D'ATAZANAVIR ET DE RITONAVIR**  
[72] LULLA, AMAR, IN  
[72] MALHOTRA, GEENA, IN  
[73] CIPLA LIMITED, IN  
[85] 2010-04-28  
[86] 2008-10-28 (PCT/GB2008/003651)  
[87] (WO2009/056818)  
[30] IN (2141/MUM/2007) 2007-10-29

[11] **2,704,032**  
[13] C

- [51] **Int.Cl. A61L 27/34 (2006.01) A61L 27/54 (2006.01) A61L 27/56 (2006.01) A61L 27/58 (2006.01)**  
[25] EN  
[54] **MEDICAL IMPLANTS AND METHODS FOR DELIVERING BIOLOGICALLY ACTIVE AGENTS**  
[54] **IMPLANTS MEDICAUX ET PROCEDES DE DELIVRANCE D'AGENTS BIOLOGIQUEMENT ACTIFS**  
[72] FANG, ZHIBIN, US  
[72] SON, YANG W., US  
[72] VIVANCO, JUAN, US  
[72] ZHANG, KAI, US  
[72] LEVINE, DANNY L., US  
[73] ZIMMER, INC., US  
[85] 2010-04-28  
[86] 2008-10-28 (PCT/US2008/081458)  
[87] (WO2009/058780)  
[30] US (60/983,254) 2007-10-29

[11] **\*2,704,142**  
[13] C

- [51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **DEEP TAG CLOUD ASSOCIATED WITH STREAMING MEDIA**  
[54] **NUAGE DE MOTS-CLES D'INDEXATION EN PROFONDEUR ASSOCIE A UNE TRANSMISSION MULTIMEDIA EN CONTINU**  
[72] LYLE, RUTHIE, US  
[72] GRIGSBY, TRAVIS, US  
[72] DELUCA, LISA SEACAT, US  
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[85] 2010-04-28  
[86] 2009-05-21 (PCT/EP2009/056202)  
[87] (WO2009/147018)  
[30] US (12/131,994) 2008-06-03

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[13] C

- [51] **Int.Cl. A61K 9/06 (2006.01) A61K 38/00 (2006.01) A61K 47/36 (2006.01)**  
[25] FR  
[54] **BIOMATERIAL FOR THE CONTROLLED DELIVERY OF INGREDIENTS**  
[54] **BIOMATERIAU PERMETTANT LA DELIVRANCE CONTROLEE D'ACTIFS**  
[72] LARRETA GARDE, VERONIQUE, FR  
[72] PICARD, JULIEN, FR  
[72] KLAK, MARIE CECILE, FR  
[72] PERRIN, SEBASTIEN, FR  
[72] GIRAUDIER, SEBASTIEN, FR  
[73] MA.I.A WOUNDCARE, FR  
[85] 2010-05-10  
[86] 2008-11-13 (PCT/FR2008/001596)  
[87] (WO2009/095562)  
[30] US (60/987,785) 2007-11-14

[11] **2,706,730**  
[13] C

- [51] **Int.Cl. A61K 31/55 (2006.01) A61K 9/14 (2006.01)**  
[25] EN  
[54] **SINGLE LAYERED CONTROLLED RELEASE THERAPEUTIC SYSTEM**  
[54] **SYSTEME THERAPEUTIQUE A LIBERATION CONTROLEE A MONOCOUCHE**  
[72] PATEL, RASIK, CA  
[72] TALWAR, NARESH, CA  
[72] PATHAK, VINAYAK, CA  
[73] PHARMASCIENCE INC., CA  
[85] 2010-05-26  
[86] 2008-12-15 (PCT/CA2008/002165)  
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[30] CA (2,615,137) 2007-12-17

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[13] C

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01) G01N 33/48 (2006.01) G01N 33/574 (2006.01)**

[25] EN

[54] **CANCER VACCINE COMPOSITION**

[54] **COMPOSITION DE VACCIN CONTRE LE CANCER**

[72] SUGIYAMA, HARUO, JP

[73] INTERNATIONAL INSTITUTE OF CANCER IMMUNOLOGY, INC., JP

[85] 2010-05-26

[86] 2008-12-05 (PCT/JP2008/072160)

[87] (WO2009/072610)

[30] JP (2007-314552) 2007-12-05

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[11] **2,707,552**  
[13] C

[51] **Int.Cl. H02H 7/18 (2006.01) G01R 31/36 (2006.01)**

[25] EN

[54] **BATTERY SYSTEM AND MANAGEMENT METHOD**

[54] **SYSTEME POUR GROUPE DE BATTERIES ET METHODE DE GESTION**

[72] FECHALOS, WILLIAM, US

[72] CONRARDY, N. WILLIAM, US

[73] C & C POWER, INC., US

[86] (2707552)

[87] (2707552)

[22] 2010-06-11

[30] US (12/793,025) 2010-06-03

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[11] **2,707,909**  
[13] C

[51] **Int.Cl. C07C 35/50 (2006.01) A61K 31/047 (2006.01) A61K 31/085 (2006.01) A61K 31/12 (2006.01) A61K 31/222 (2006.01) A61P 3/10 (2006.01) C07C 43/23 (2006.01) C07C 43/253 (2006.01) C07C 49/83 (2006.01) C07C 69/21 (2006.01)**

[25] EN

[54] **BENZYLPHENYL CYCLOHEXANE DERIVATIVES AND METHODS OF USE**

[54] **DERIVES DE BENZYLPHENYL CYCLOHEXANE ET PROCEDES D'UTILISATION**

[72] CHEN, YUANWEI, US

[72] PENG, KUN, CN

[72] ZHANG, LILI, CN

[72] LV, BINHUA, CN

[72] XU, BAIHUA, CN

[72] DONG, JIAJIA, CN

[72] DU, JIYAN, CN

[72] FENG, YAN, US

[72] XU, GE, CN

[72] RAJAPPAN, VASANTHAKUMAR, US

[72] SEED, BRIAN, US

[73] THERACOS, INC., US

[85] 2010-06-02

[86] 2008-12-11 (PCT/US2008/086472)

[87] (WO2009/076550)

[30] US (61/013,517) 2007-12-13

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[13] C

[51] **Int.Cl. G01P 5/00 (2006.01) G01P 15/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR UTILIZING CELL BASED FLOW SIMULATION RESULTS TO CALCULATE STREAMLINE TRAJECTORIES**

[54] **SYSTEMES ET PROCEDES D'UTILISATION DE RESULTATS DE SIMULATION DE FLUX BASES SUR DES CELLULES POUR CALCULER DES TRAJECTOIRES AERODYNAMIQUES**

[72] CAMILLERI, DOMINIC, US

[73] LANDMARK GRAPHICS CORPORATION, A HALLIBURTON COMPANY, US

[85] 2010-06-04

[86] 2008-12-04 (PCT/US2008/085476)

[87] (WO2009/076149)

[30] US (61/005,786) 2007-12-07

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[13] C

[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/76 (2006.01) C08J 9/14 (2006.01) C08L 75/04 (2006.01)**

[25] EN

[54] **FOAM-FORMING COMPOSITIONS CONTAINING AZEOTROPIC OR AZEOTROPE-LIKE MIXTURES CONTAINING Z-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE AND THEIR USES IN THE PREPARATION OF POLYISOCYANATE-BASED FOAMS**

[54] **COMPOSITIONS MOUSSANTES CONTENANT DES MELANGES AZEOTROPIQUES OU DE TYPE AZEOTROPIQUE CONTENANT DU Z-1,1,1,4,4,4-HEXAFLUORO-2-BUTENE ET LEURS APPLICATIONS DANS LA PREPARATION DE MOUSSES A BASE DE POLYISOCYANATE**

[72] LOH, GARY, US

[72] CREAZZO, JOSEPH ANTHONY, US

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

[85] 2010-06-07

[86] 2008-12-17 (PCT/US2008/087227)

[87] (WO2009/085857)

[30] US (61/015,061) 2007-12-19

[30] US (61/015,027) 2007-12-19

[30] US (61/015,086) 2007-12-19

[30] US (61/015,089) 2007-12-19

[30] US (61/015,092) 2007-12-19

[30] US (61/015,214) 2007-12-20

[30] US (61/015,218) 2007-12-20

[30] US (61/015,221) 2007-12-20

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[11] **2,708,858**  
[13] C

[51] **Int.Cl. B29C 33/38 (2006.01) B23P 15/24 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING HIGHLY MECHANICALLY DEMANDED PIECES AND SPECIALLY TOOLS FROM LOW COST CERAMICS OR POLYMERS, LIKE CONCRETE, BY CASTING THE DESIRED SHAPE AND THEN COATING WITH A METALLIC OR HIGH PROPERTY CERAMIC LAYER.**  
[54] **PROCEDE DE PRODUCTION DE PIECES HAUTEMENT SOLLICITEES MECANIQUEMENT ET PARTICULIEREMENT D'OUTILS A PARTIR DE CERAMIQUES OU POLYMERES PEU COUTEUX, TELS QUE LE BETON, PAR COULEE EN MOULE DE LA FORME DESIREE, PUIS REVETEMENT D'UNE COUCHE METALLIQUE OU DE CERAMIQUE AUX PROPRIETES ELEVEES**  
[72] VALLS, ANGLES ISAAC, ES  
[73] ROVALMA, S.A., ES  
[85] 2010-06-10  
[86] 2008-12-16 (PCT/EP2008/067610)  
[87] (WO2009/077524)  
[30] ES (P 200703345) 2007-12-17  
[30] EP (08164726.5) 2008-09-19

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[11] **2,708,927**  
[13] C

[51] **Int.Cl. B25C 1/04 (2006.01) B25C 1/18 (2006.01) F16B 15/08 (2006.01)**  
[25] EN  
[54] **NAILER WITH CONTROLLED ACTION FEEDER MAGAZINE ASSEMBLY**  
[54] **CLOUEUSE AVEC CHARGEUR D'ALIMENTATION A ACTION CONTROLEE**  
[72] MALTAIS, JACQUES, CA  
[72] DUPONT, MAXIME, CA  
[72] LAVOIE, DAVID, CA  
[73] LABORATOIRE PRIMATECH INC., CA  
[86] (2708927)  
[87] (2708927)  
[22] 2010-07-02  
[30] US (61/213,771) 2009-07-13

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[11] **2,709,887**  
[13] C

[51] **Int.Cl. B01J 19/24 (2006.01) B01J 12/00 (2006.01) B01J 19/00 (2006.01) C07D 301/08 (2006.01)**  
[25] EN  
[54] **TUBE REACTOR HAVING AN INSERT FOR REDUCED VOLUME OUTLET HEAD SPACE**  
[54] **REACTEUR TUBE COMPORTANT UN ESPACE DE TETE D'ENTREE A VOLUME REDUIT**  
[72] ANDRESEN, HARVEY E., US  
[72] KURLE, DONALD L., US  
[72] OSBORNE, BERNIE B., US  
[72] CONNEWAY, FRED A., US  
[72] STADLWIESER, CLARENCE P., CA  
[73] DOW TECHNOLOGY INVESTMENTS LLC, US  
[85] 2010-06-17  
[86] 2008-12-08 (PCT/US2008/013501)  
[87] (WO2009/116977)  
[30] US (61/008,062) 2007-12-18

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[11] **2,710,395**  
[13] C

[51] **Int.Cl. G01N 33/92 (2006.01)**  
[25] EN  
[54] **METHOD FOR PREDICTING RESPONSIVENESS TO A PHARMACEUTICAL THERAPY FOR OBESITY**  
[54] **PROCEDE DE PREDICTION DE SENSIBILITE A UNE THERAPIE PHARMACEUTIQUE DE L'OBESITE**  
[72] LEOHR, JENNIFER K., US  
[73] ELI LILLY AND COMPANY, US  
[85] 2010-06-21  
[86] 2008-12-18 (PCT/US2008/087367)  
[87] (WO2009/085917)  
[30] US (61/014,881) 2007-12-19

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[13] C

[51] **Int.Cl. A61H 3/00 (2006.01) A61F 5/00 (2006.01)**  
[25] EN  
[54] **MOBILITY AID**  
[54] **AIDE A LA MOBILITE**  
[72] LITTLE, RICHARD, NZ  
[72] IRVING, ROBERT ALEXANDER, NZ  
[73] REX BIONICS LIMITED, NZ  
[85] 2010-06-25  
[86] 2008-12-24 (PCT/NZ2008/000351)  
[87] (WO2009/082249)  
[30] US (61/006,136) 2007-12-26

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[11] **2,710,787**  
[13] C

[51] **Int.Cl. H04B 1/28 (2006.01)**  
[25] EN  
[54] **FILTERING COMMUNICATIONS CHANNELS WITHIN TELECOMMUNICATIONS SATELLITES**  
[54] **FILTRAGE DE CANAUX DE COMMUNICATION DANS DES SATELLITES DE TELECOMMUNICATION**  
[72] MORRIS, IAN, GB  
[73] ASTRUM LIMITED, GB  
[85] 2010-06-25  
[86] 2008-12-19 (PCT/EP2008/068033)  
[87] (WO2009/083499)  
[30] EP (07270081.8) 2007-12-28  
[30] GB (0725251.3) 2007-12-28

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[11] **2,711,063**  
[13] C

[51] **Int.Cl. G06F 13/38 (2006.01)**  
[25] EN  
[54] **MASS MEMORY DEVICE AND STORAGE SYSTEM**  
[54] **DISPOSITIF DE MEMOIRE DE MASSE ET SYSTEME DE STOCKAGE**  
[72] COURTEILLE, JEAN-MARIE, FR  
[72] GUILLOT, FRANCOIS, FR  
[73] SAGEM DEFENSE SECURITE, FR  
[85] 2010-06-29  
[86] 2009-02-02 (PCT/EP2009/051156)  
[87] (WO2009/098184)  
[30] FR (0800593) 2008-02-05

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[13] C

[51] **Int.Cl. G06F 19/00 (2011.01) E21B 49/00 (2006.01) G06F 15/16 (2006.01) G06N 3/02 (2006.01)**

[25] EN

[54] **EXECUTING A UTILITY IN A DISTRIBUTED COMPUTING SYSTEM BASED ON AN INTEGRATED MODEL**

[54] **EXECUTION DE SERVICE UTILITAIRE DANS UN SYSTEME INFORMATIQUE REPARTI BASE SUR UN MODELE INTEGRE**

[72] TORRENS, RICHARD IAN, CA  
[72] GIERER, CONRAD MARK, CA  
[72] TONKIN, TREVOR GRAHAM, CA  
[72] GOBERDHANSINGH, ERROL, CA  
[73] SCHLUMBERGER CANADA LIMITED, CA

[86] (2711167)  
[87] (2711167)  
[22] 2010-07-28  
[30] US (61/234,256) 2009-08-14  
[30] US (12/545,215) 2009-08-21

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[11] **2,711,358**  
[13] C

[51] **Int.Cl. F16C 35/077 (2006.01) F16H 57/021 (2012.01) B64C 27/14 (2006.01) F16C 27/00 (2006.01) F16C 33/12 (2006.01)**

[25] EN

[54] **TRANSMISSION HOUSING ASSEMBLY HAVING IMPROVED BEARING LINER**

[54] **ENSEMBLE BOITIER DE TRANSMISSION DOTE D'UN REVETEMENT DE PALIERS AMELIORE**

[72] EHINGER, RYAN T., US  
[72] JACKSON, K. MYRON, US  
[72] KILMAIN, CHARLES J., US  
[73] BELL HELICOPTER TEXTRON INC., US

[85] 2010-07-05  
[86] 2008-01-07 (PCT/US2008/050380)  
[87] (WO2009/088503)

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[11] **2,711,675**  
[13] C

[51] **Int.Cl. A61K 31/198 (2006.01) A61K 31/355 (2006.01) A61K 31/375 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITIONS AND METHODS UTILIZING A D-AMINO ACID AND AN ANTIOXIDANT FOR TREATING NEUROPSYCHIATRIC DISORDERS**

[54] **COMPOSITIONS PHARMACEUTIQUES ET PROCEDES UTILISANT UN ACIDE D-AMINE ET UN ANTIOXYDANT POUR LE TRAITEMENT DE TROUBLES NEUROPSYCHIATRIQUES**

[72] JAVITT, DANIEL C., IL  
[73] AMINO ACID SOLUTIONS INC., US

[85] 2010-07-08  
[86] 2009-01-08 (PCT/IL2009/000008)  
[87] (WO2009/087615)  
[30] IL (188,681) 2008-01-09

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[11] **2,711,172**  
[13] C

[51] **Int.Cl. A47C 1/035 (2006.01) A47C 1/0355 (2013.01) A47C 1/02 (2006.01) A47C 7/00 (2006.01)**

[25] EN

[54] **ZERO-WALL CLEARANCE LINKAGE MECHANISM FOR A HIGH-LEG SEATING UNIT**

[54] **MECANISME ARTICULE SANS DEGAGEMENT DE PAROI POUR UNITE DE SIEGE HIGH-LEG**

[72] LAWSON, GREGORY MARK, US  
[72] DONOVAN, ROBERT DEAN, US  
[73] L & P PROPERTY MANAGEMENT COMPANY, US

[85] 2010-06-29  
[86] 2008-12-19 (PCT/US2008/087711)  
[87] (WO2009/088711)  
[30] US (11/968,380) 2008-01-02

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[11] **2,711,402**  
[13] C

[51] **Int.Cl. G06T 19/00 (2011.01) G09B 29/10 (2006.01)**

[25] EN

[54] **THREE-DIMENSIONAL ANNOTATIONS FOR STREET VIEW DATA**

[54] **ANNOTATIONS TRIDIMENSIONNELLES POUR DONNEES DE VISUALISATION DE RUES**

[72] ZHU, JIAJUN, US  
[72] FILIP, DANIEL, US  
[72] VINCENT, LUC, US  
[73] GOOGLE INC., US

[85] 2010-06-30  
[86] 2009-01-15 (PCT/US2009/000240)  
[87] (WO2009/091559)  
[30] US (12/014,513) 2008-01-15

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[11] **2,711,894**  
[13] C

[51] **Int.Cl. F16L 55/26 (2006.01) G01N 29/04 (2006.01) G01N 29/22 (2006.01) G01N 29/24 (2006.01)**

[25] EN

[54] **PIPELINE INSPECTION APPARATUS AND METHOD USING TWO DIFFERENT ULTRASOUND WAVEMODES**

[54] **APPAREIL ET PROCEDE D'INSPECTION DE PIPELINES UTILISANT DEUX MODES D'OSCILLATION ULTRASONIQUES DIFFERENTS**

[72] PAIGE, DAVID, GB  
[73] PII LIMITED, GB

[85] 2010-07-08  
[86] 2008-11-05 (PCT/GB2008/003725)  
[87] (WO2009/087342)  
[30] US (61/020,648) 2008-01-11

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[11] **2,713,234**  
[13] C

[51] **Int.Cl. H04L 1/16 (2006.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01) H04L 1/18 (2006.01)**

[25] EN

[54] **METHODS AND DEVICES RELATING TO DOWNLINK ASSIGNMENTS**

[54] **PROCEDES ET DISPOSITIFS RELATIFS A DES ATTRIBUTIONS DE LIAISON DESCENDANTE**

[72] ASTELY, DAVID, SE

[72] PARKVALL, STEFAN, SE

[72] BALDEMAIR, ROBERT, SE

[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE

[85] 2010-07-30

[86] 2009-02-05 (PCT/SE2009/050116)

[87] (WO2009/099389)

[30] US (61/026,601) 2008-02-06

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[11] **2,713,347**  
[13] C

[51] **Int.Cl. C07D 471/04 (2006.01) A01N 43/90 (2006.01) A01P 7/00 (2006.01) A61K 31/519 (2006.01) A61P 33/00 (2006.01) C07D 239/54 (2006.01) C07D 513/04 (2006.01)**

[25] EN

[54] **MESOIONIC PESTICIDES**

[54] **PESTICIDES MESOIONIQUES**

[72] HOLYOKE, CALEB WILLIAM, JR., US

[72] TONG, MY-HANH THI, US

[72] COATS, REED AARON, US

[72] ZHANG, WENMING, US

[72] MCCANN, STEPHEN FREDERICK, US

[72] CHAN, DOMINIC MING-TAK, US

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

[85] 2010-07-26

[86] 2009-01-30 (PCT/US2009/032584)

[87] (WO2009/099929)

[30] US (61/063,789) 2008-02-06

[30] US (61/043,428) 2008-04-09

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[11] **2,713,748**  
[13] C

[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/891 (2006.01) A61K 8/898 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **MOISTURIZING LIQUID LINER FOR BARRIER LAYER**

[54] **REVETEMENT LIQUIDE HYDRATANT POUR COUCHE BARRIERE**

[72] HOWE, ANNA, US

[72] ADKINS, DANA, US

[72] WENZEL, SCOTT W., US

[72] KOENIG, DAVID WILLIAM, US

[72] HOFFMAN, DOUGLAS ROBERT, US

[73] DEB IP LIMITED, GB

[85] 2010-07-29

[86] 2009-01-23 (PCT/EP2009/050746)

[87] (WO2009/095351)

[30] US (12/022,545) 2008-01-30

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[11] **2,713,762**  
[13] C

[51] **Int.Cl. A61M 11/00 (2006.01) A61M 11/04 (2006.01)**

[25] EN

[54] **CIRCUMFERENTIAL AEROSOL DEVICE**

[54] **DISPOSITIF AEROSOL PERIPHERIQUE**

[72] HOEKMAN, JOHN D., US

[72] HO, RODNEY J.Y., US

[73] UNIVERSITY OF WASHINGTON, US

[85] 2010-07-29

[86] 2009-02-06 (PCT/US2009/033468)

[87] (WO2009/100383)

[30] US (61/027,002) 2008-02-07

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[11] **2,714,189**  
[13] C

[51] **Int.Cl. G06F 9/44 (2006.01) G06F 9/45 (2006.01)**

[25] EN

[54] **SYSTEM REPRESENTATION AND HANDLING TECHNIQUES**

[54] **REPRESENTATION DE SYSTEME ET TECHNIQUES DE TRAITEMENT**

[72] LITTLE, DOUGLAS, GB

[72] STEWART, NEIL, GB

[73] METAFORIC LIMITED, GB

[85] 2010-08-04

[86] 2009-02-27 (PCT/GB2009/000552)

[87] (WO2009/106843)

[30] EP (08152165.0) 2008-02-29

[30] US (61/032,547) 2008-02-29

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[11] **2,714,389**  
[13] C

[51] **Int.Cl. C07H 17/08 (2006.01) A61K 31/7048 (2006.01)**

[25] EN

[54] **MACROLIDES AND USES OF MACROLIDES**

[54] **MACROLIDES ET UTILISATION DE MACROLIDES**

[72] KELLENBERGER, JOHANNES LAURENZ, CH

[72] DREIER, JUERG, CH

[72] REINELT, STEFAN BERNHARD, DE

[73] BASILEA PHARMACEUTICA AG, CH

[85] 2010-08-05

[86] 2009-02-09 (PCT/EP2009/051457)

[87] (WO2009/098320)

[30] EP (08101444.1) 2008-02-08

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[11] **2,715,039**  
[13] C

[51] **Int.Cl. C08L 67/02 (2006.01) C08L 33/12 (2006.01)**

[25] EN

[54] **METHODS FOR INCREASING TOUGHNESS OF IMMISCIBLE POLYMER BLENDS**

[54] **PROCEDES POUR ACCROITRE LA TENACITE DES MELANGES DE POLYMERES NON MISCIBLES**

[72] NOSKER, THOMAS J., US

[72] LYNCH, JENNIFER K., US

[72] LEHMAN, RICHARD, US

[72] IDOL, JAMES D., US

[72] RENFREE, RICHARD W. (DECEASED), US

[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US

[85] 2010-09-13

[86] 2009-03-18 (PCT/US2009/037552)

[87] (WO2009/117509)

[30] US (61/037,504) 2008-03-18

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[11] **2,715,389**  
[13] C

[51] **Int.Cl. A01D 46/253 (2006.01)**  
[25] EN  
[54] **MOBILE SYSTEM FOR IMPROVING THE PICKING AND PRELIMINARY PROCESSING OF APPLES, CITRUS, STONE FRUIT AND LIKE OBJECTS**

[54] **SYSTEME MOBILE POUR AMELIORER LA CUEILLETTE ET LE TRAITEMENT PRELIMINAIRE DE POMMES, D'AGRUMES, DE FRUITS A NOYAU ET D'OBJETS SIMILAIRES**

[72] BRYAN, VINCENT E., JR., US  
[72] BRYAN, VINCENT E., III, US  
[72] KUNZLER, ALEX E., US  
[72] ALLARD, RANDY, US  
[72] FINAZZO, ANTHONY, US  
[72] BOMMARITO, MARC, US  
[72] CLEVERINGA, JEFFREY A., US  
[73] PICKER TECHNOLOGIES LLC, US  
[85] 2010-08-12  
[86] 2009-02-13 (PCT/US2009/034132)  
[87] (WO2009/103008)  
[30] US (61/095,788) 2008-09-10  
[30] US (61/028,351) 2008-02-13

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[11] **2,715,758**  
[13] C

[51] **Int.Cl. G01D 4/02 (2006.01) H04W 24/00 (2009.01) H04W 84/18 (2009.01) G01F 15/06 (2006.01) G01R 22/00 (2006.01) G08C 17/02 (2006.01)**

[25] EN  
[54] **IN HOME DISPLAY UPDATABLE VIA UTILITY ENDPOINT**

[54] **INDICATEUR CENTRAL ACTUALISABLE VIA UN POINT D'EXTREMITE DE SERVICE PUBLIC**

[72] CORNWALL, MARK K., US  
[72] CAHILL-O'BRIEN, BARRY, US  
[73] ITRON, INC., US  
[86] (2715758)  
[87] (2715758)  
[22] 2010-09-24  
[30] US (61/246,560) 2009-09-29  
[30] US (12/889,465) 2010-09-24

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[11] **2,715,910**  
[13] C

[51] **Int.Cl. F16L 21/08 (2006.01) B21C 37/06 (2006.01) F16L 9/17 (2006.01) F16L 37/08 (2006.01) F24F 13/02 (2006.01)**

[25] EN  
[54] **DUAL PURPOSE DIMPLE FOR HVAC CIRCULAR DUCTWORK**

[54] **CONTRACTION LATERALE MIXTE POUR CANALISATION CIRCULAIRE CVCA**

[72] COUGHENOUR, ALVIN, US  
[72] BLOOM, VINCENT L., US  
[72] FETKO, DUANE, US  
[73] DUCTMATE INDUSTRIES, INC., US  
[86] (2715910)  
[87] (2715910)  
[22] 2010-09-28  
[30] US (12/571,510) 2009-10-01

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[11] **2,716,885**  
[13] C

[51] **Int.Cl. D06B 3/02 (2006.01) D06M 15/01 (2006.01) D06M 15/347 (2006.01) D06M 15/564 (2006.01)**

[25] EN  
[54] **LOW WEIGHT AND HIGH DURABILITY SOFT BODY ARMOR COMPOSITE USING TOPICAL WAX COATINGS**

[54] **COMPOSITE SOUPLE POUR GILET PARE-BALLES DE FAIBLE POIDS ET A DURABILITE ELEVEE UTILISANT DES REVETEMENTS TOPIQUES DE CIRE**

[72] ARDIFF, HENRY G., US  
[72] ARVIDSON, BRIAN D., US  
[73] HONEYWELL INTERNATIONAL INC., US  
[85] 2010-08-26  
[86] 2009-02-11 (PCT/US2009/033726)  
[87] (WO2009/108498)  
[30] US (12/037,370) 2008-02-26

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[11] **2,717,175**  
[13] C

[51] **Int.Cl. H04L 1/16 (2006.01) H04W 48/12 (2009.01) H04L 1/06 (2006.01)**

[25] EN  
[54] **METHOD AND APPARATUS FOR RESOURCE MANAGEMENT IN A WIRELESS COMMUNICATION SYSTEM**

[54] **PROCEDE ET APPAREIL POUR UNE GESTION DE RESSOURCES DANS UN SYSTEME DE COMMUNICATION SANS FIL**

[72] MONTOJO, JUAN, US  
[72] LUO, TAO, US  
[72] ZHANG, XIAOXIA, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2010-09-01  
[86] 2009-03-24 (PCT/US2009/038039)  
[87] (WO2009/120662)  
[30] US (61/038,875) 2008-03-24  
[30] US (12/402,349) 2009-03-11

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[11] **2,717,723**  
[13] C

[51] **Int.Cl. H04H 20/14 (2009.01) H04H 60/58 (2009.01) G10L 17/02 (2013.01) G10L 17/20 (2013.01)**

[25] EN  
[54] **METHODS AND APPARATUS FOR GENERATING SIGNATURES**

[54] **PROCEDES ET APPAREILS DE GENERATION DE SIGNATURES**

[72] TOPCHY, ALEXANDER PAVLOVICH, US  
[72] RAMAMSWAMY, ARUN, US  
[72] SRINIVASAN, VENUGOPAL, US  
[73] THE NIELSEN COMPANY (US), LLC, US  
[85] 2010-09-03  
[86] 2008-11-06 (PCT/US2008/082657)  
[87] (WO2009/110932)  
[30] US (61/033,992) 2008-03-05

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[11] **2,718,512**  
[13] C

[51] **Int.Cl. F04D 25/08 (2006.01) F04D 27/00 (2006.01)**  
[25] EN  
[54] **CEILING FAN SYSTEM WITH BRUSHLESS MOTOR**  
[54] **SYSTEME DE VENTILATEUR AU PLAFOND AVEC MOTEUR SANS BROSSE**  
[72] SMITH, J. CAREY, US  
[72] OLESON, RICHARD A., US  
[72] AYNSLEY, RICHARD M., AU  
[72] FIZER, RICHARD W., US  
[72] LANGSTON, JOHN B., US  
[72] TOY, MARK A., US  
[72] KLEMO, ELIOS, US  
[72] FLANARY, RON G., US  
[72] ANDERSON, TROY A., US  
[73] DELTA T CORPORATION, US  
[73] ASPEN MOTION TECHNOLOGIES, INC., US  
[85] 2010-09-14  
[86] 2009-03-06 (PCT/US2009/036347)  
[87] (WO2009/111708)  
[30] US (12/249,086) 2008-10-10  
[30] US (61/034,254) 2008-03-06

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[11] **2,718,891**  
[13] C

[51] **Int.Cl. C07C 17/26 (2006.01) C07C 25/18 (2006.01) C07D 235/18 (2006.01)**  
[25] EN  
[54] **2'-HALOBIPHENYL-4-YL INTERMEDIATES IN THE SYNTHESIS OF ANGIOTENSIN II ANTAGONISTS**  
[54] **INTERMEDIAIRES 2'-HALOBIPHENYL-4-YLIQUES DANS LA SYNTHESE D'ANTAGONISTES DE L'ANGIOTENSINE II**  
[72] COPAR, ANTON, SI  
[72] CASAR, ZDENKO, SI  
[72] PREMRL, ANDREJ, SI  
[73] LEK PHARMACEUTICALS D.D., SI  
[85] 2010-09-17  
[86] 2009-03-19 (PCT/EP2009/053267)  
[87] (WO2009/115584)  
[30] EP (08153084.2) 2008-03-20  
[30] EP (08153085.9) 2008-03-20

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[11] **2,719,209**  
[13] C

[51] **Int.Cl. A61M 5/32 (2006.01)**  
[25] EN  
[54] **SAFETY PEN NEEDLE ASSEMBLY HAVING SHIELD FOR NON-PATIENT END**  
[54] **ENSEMBLE STYLO-AIGUILLE A SECURITE PRESENTANT UNE PROTECTION POUR L'EXTREMITE OPPOSEE AU PATIENT**  
[72] ZAIKEN, ELIOT, US  
[72] RICHARDS, STEPHEN, US  
[72] ALU, JOSEPH, US  
[72] QUINN, MICHAEL VINCENT, US  
[73] BECTON, DICKINSON AND COMPANY, US  
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[54] **CARBONACEOUS EXTENDERS FOR FLEXIBLE CEMENT**  
[54] **MATIERES DE CHARGE CARBONEES POUR DU CIMENT FLEXIBLE**  
[72] WILLIAMS, ROBERT, US  
[72] THEROND, EMMANUEL, US  
[72] PIOT, BERNARD, FR  
[72] LOISEAU, ANTHONY, FR  
[72] CHOUGNET-SIRAPIAN, ALICE, FR  
[72] DEBRUIJN, GUNNAR, CA  
[73] SCHLUMBERGER CANADA LIMITED, CA  
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[54] **1-(7-(HEXAHYDROPYRROLO[3,4-C]PYRROL-2(1H)-YL)QUINOLIN-4-YL)-3-(PYRAZIN-2-YL)UREA DERIVATIVES AND RELATED COMPOUNDS AS GLYCOGEN SYNTHASE KINASE 3 (GSK-3)**  
[54] **DERIVES DE 1-(7-(HEXAHYDROPYRROLO[3,4-C]PYRROL-2(1H)-YL)QUINOLEIN-4-YL)-3-(PYRAZIN-2-YL)UREE ET COMPOSES APPARENTES EN TANT QU'INHIBITEURS DE GLYCOGENE SYNTHASE KINASE 3 (GSK-3)**  
[72] TURNER, SEAN COLM, DE  
[72] BAKKER, MARGARETHA HENRICA MARIA, DE  
[72] HORNBERGER, WILFRIED, DE  
[73] ABBVIE DEUTSCHLAND GMBH & CO KG, DE  
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[54] **METHOD FOR MANUFACTURING WORKPIECES WITH ION-ETCHED SURFACE**  
[54] **PROCEDE DE FABRICATION DE PIECES A USINER AVEC UNE SURFACE ATTAQUEE PAR DES IONS**  
[72] KRASSNITZER, SIEGFRIED, AT  
[72] GSTOEHL, OLIVER, LI  
[72] ESSELBACH, MARKUS, AT  
[73] OERLIKON SURFACE SOLUTIONS AG, PFAEFFIKON, CH  
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[54] **COUNTERTOP OVEN AND ACCESSORIES**  
[54] **FOUR POUVANT A POSER ET ACCESSOIRES**  
[72] HENSEL, KEITH JAMES, AU  
[73] BREVILLE PTY LIMITED, AU  
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[25] FR  
[54] **N-ACYLTHIOUREA AND N-ACYLUREA INHIBITORS OF THE HEDGEHOG PROTEIN SIGNALLING PATHWAY**  
[54] **N-ACYLTHIOUREES ET N-ACYLUREES INHIBITEURS DE LA VOIE DE SIGNALISATION DES PROTEINES HEDGEHOG**  
[72] RUAT, MARTIAL, FR  
[72] FAURE, HELENE, FR  
[72] TRAIFFORT, ELISABETH, FR  
[72] SCHOENFELDER, ANGELE, FR  
[72] MANN, ANDRE, FR  
[72] TADDEI, MAURIZIO, IT  
[72] SOLINAS, ANTONIO, IT  
[72] MANETTI, FABRIZIO, IT  
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[73] UNIVERSITE DE STRASBOURG, FR  
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[54] **DISPOSITIF D'ENTRAINEMENT A LA BOXE**  
[72] FAZIO, RAIMONDO, AU  
[73] FIGHTMASTER PTY LTD, AU  
[85] 2010-10-28  
[86] 2009-05-12 (PCT/AU2009/000588)  
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[54] **ANVIL ASSEMBLY FOR A POWER TOOL**  
[54] **ENSEMBLE ENCLUME POUR OUTIL MOTORISE**  
[72] ELGER, WILLIAM A., US  
[72] BERTSCH, MATTHEW T., US  
[73] MILWAUKEE ELECTRIC TOOL CORPORATION, US  
[85] 2010-11-05  
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[25] EN  
[54] **A LIDDING SYSTEM AND LIDS FOR PLASTIC OR METAL CONTAINERS**  
[54] **SYSTEME DE COUVERCLE ET COUVERCLES POUR CONTENANTS EN PLASTIQUE OU EN METAL**  
[72] HENRIKSEN, LARS, DK  
[72] HENRIKSEN, JORGEN, DK  
[73] HENRIKSEN, LARS, DK  
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[25] EN  
[54] **SYSTEM AND METHOD FOR PROCESSING FLUE GAS**  
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE GAZ DE CARNEAU**  
[72] SCEATS, MARK GEOFFREY, AU  
[73] CALIX LIMITED, AU  
[85] 2010-11-15  
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[25] EN  
[54] **COMPOSITIONS AND METHODS RELATING TO HEAT SHOCK TRANSCRIPTION FACTOR ACTIVATING COMPOUNDS AND TARGETS THEREOF**  
[54] **COMPOSITIONS ET PROCEDES AYANT TRAIT AUX COMPOSES ACTIVANT LE FACTEUR DE TRANSCRIPTION DE CHOC THERMIQUE ET CIBLES CORRESPONDANTES**  
[72] THIELE, DENNIS J., US  
[72] NEEF, DANIEL W., US  
[73] DUKE UNIVERSITY, US  
[85] 2010-11-12  
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[54] **NON-DESTRUCTIVE METHOD FOR DETECTING ZONES WITH NON-CONDUCTIVE MATERIALS IN A COMPOSITE PART**  
[54] **PROCEDE NON DESTRUCTEUR PERMETTANT LA DETECTION DE ZONES COMPRENANT DES MATERIAUX NON CONDUCTEURS DANS UNE PIECE DE COMPOSITE**  
[72] LAVIA GONZALEZ, ANGELES, ES  
[72] GARCIA DIEGO, IGNACIO MANUEL, ES  
[73] AIRBUS OPERATIONS S.L., ES  
[85] 2010-11-19  
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[13] C

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[25] EN  
[54] **PROCESS FOR APPLYING A COATING ONTO A FRESNEL LENS FORMING SURFACE**  
[54] **PROCESSUS D'APPLICATION D'UN REVETEMENT SUR UNE LENTILLE DE FRESNEL**  
[72] JIANG, PEIQI, US  
[73] ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE), FR  
[85] 2010-11-19  
[86] 2009-05-20 (PCT/EP2009/056133)  
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[30] US (12/124,466) 2008-05-21

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[25] EN  
[54] **GAS FLUX DETERMINATION USING AIRBORNE DIAL LIDAR AND AIRBORNE WIND MEASUREMENT**  
[54] **DETERMINATION D'UN FLUX DE GAZ AU MOYEN D'UN LIDAR AEROPORTE A ABSORPTION DIFFERENTIELLE ET MESURE AEROPORTEE DES VENTS**  
[72] LIPPERT, JOSEPH LAWRENCE, US  
[72] STEARNS, STEVEN VINCENT, US  
[72] BRAKE, DANIEL EVERETT, US  
[72] FISHER, CAREN M., US  
[73] EXELIS INC., US  
[86] (2725351)  
[87] (2725351)  
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[25] EN  
[54] **A METHOD FOR ESTIMATING THE POSITION AND THE SPEED OF A TARGET WITH A RADAR EMITTING AN OFDM WAVEFORM**  
[54] **PROCEDE D'ESTIMATION DE LA POSITION ET DE LA VITESSE D'UNE CIBLE AVEC UN RADAR EMETTANT UNE FORME D'ONDE OFDM**  
[72] LELLOUCH, GABRIEL, NL  
[72] ERKOCEVIC-PRIBIC, RADMILA, NL  
[73] THALES NEDERLAND B.V., NL  
[85] 2010-11-23  
[86] 2009-05-20 (PCT/EP2009/056191)  
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[30] NL (1035463) 2008-05-23  
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[25] EN  
[54] **REKEYABLE LOCK CYLINDER ASSEMBLY**  
[54] **ENSEMBLE BARILLET DE SERRURE A POSSIBILITE DE CHANGEMENT DE CLEF**  
[72] CHONG, GERALD B., US  
[73] SPECTRUM BRANDS, INC., US  
[85] 2010-11-24  
[86] 2008-07-22 (PCT/US2008/070757)  
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[30] US (12/137,323) 2008-06-11

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[25] EN  
[54] **CELL LINE, SYSTEM AND METHOD FOR OPTICAL CONTROL OF SECONDARY MESSENGERS**  
[54] **LIGNEE CELLULAIRE, SYSTEME ET PROCEDE POUR UN CONTROLE OPTIQUE DE MESSAGERS SECONDAIRES**  
[72] AIRAN, RAAG D., US  
[72] DEISSEROTH, KARL, US  
[73] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US  
[85] 2010-11-26  
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[25] EN

[54] **PACKAGING FOR BIOLOGICAL MATERIAL**

[54] **CONDITIONNEMENT POUR MATERIAU BIOLOGIQUE**

[72] KOMMISRU, ELISABETH, NO

[73] CRYOGENETICS AS, NO

[85] 2010-12-03

[86] 2009-06-10 (PCT/NO2009/000216)

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[25] EN

[54] **MICROPHONE BOOT FOR A PORTABLE ELECTRONIC DEVICE**

[54] **LOGEMENT DE MICROPHONE POUR UN DISPOSITIF ELECTRONIQUE PORTATIF**

[72] CHEN, CHAO, CA

[73] BLACKBERRY LIMITED, CA

[86] (2727106)

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[54] **ELECTRONIC COMPONENT**

[54] **COMPOSANT ELECTRONIQUE**

[72] KONZ, OLIVER, DE

[73] WUETH ELEKTRONIK IBE GMBH, DE

[85] 2010-12-07

[86] 2009-06-16 (PCT/EP2009/057433)

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[25] EN

[54] **FIRING PRODUCT FEED DEVICE**

[54] **DISPOSITIF D'ALIMENTATION DE PRODUIT A BRULER**

[72] RIEMENS, ANDRE, CH

[72] VETSCH, GABRIELA, CH

[72] SALERNO, BASSO, CH

[73] STUV S.A., BE

[85] 2010-12-09

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[25] EN

[54] **DUAL SALT FERTILIZER GIVING ENHANCED CROP YIELDS**

[54] **ENGRAIS A DEUX SELS DONNANT DE MEILLEURS RENDEMENTS DE CULTURES**

[72] SANDERS, JOHN LARRY, US

[73] SPECIALTY FERTILIZER PRODUCTS, LLC, US

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[25] EN

[54] **PHOTOCURABLE ACRYLIC COATING COMPOSITIONS HAVING GOOD ADHESION PROPERTIES TO A SUBSEQUENT COATING AND CORRESPONDING COATED SUBSTRATES**

[54] **COMPOSITIONS DE REVETEMENT ACRYLIQUE PHOTODURCISSABLES AYANT DE BONNES PROPRIETES D'ADHERENCE A UN REVETEMENT ULTERIEUR ET SUBSTRATS REVETUS CORRESPONDANTS**

[72] VALERI, ROBERT, US

[73] ESSILOR INTERNATIONAL (COMPAGNIE GENERALE D'OPTIQUE), FR

[85] 2010-12-10

[86] 2009-06-09 (PCT/EP2009/057102)

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[54] **ORDERED MESSAGE PROCESSING**

[54] **TRAITEMENT ORDONNE DE MESSAGES**

[72] JOHNSON, WILLIAM K., III, US

[72] SERRANO, MARTIN A., US

[73] ATTIVIO, INC., US

[85] 2010-12-13

[86] 2009-06-17 (PCT/US2009/003626)

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[25] EN

[54] **SUBSTITUTED ISOQUINOLINES AND ISOQUINOLINONES AS RHO KINASE INHIBITORS**

[54] **ISOQUINOLINES ET ISOQUINOLINONES SUBSTITUEES UTILISEES COMME INHIBITEURS DE RHO-KINASE**

[72] PLETTENBURG, OLIVER, DE

[72] LORENZ, KATRIN, DE

[72] WESTON, JOHN, DE

[72] LOEHN, MATTHIAS, DE

[72] KLEEMANN, HEINZ-WERNER, DE

[72] DUCLOS, OLIVIER, FR

[72] JEANNOT, FREDERIC, FR

[73] SANOFI-AVENTIS, FR

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[54] **IMPLANT REMOVAL TOOL**

[54] **OUTIL DESTINE A PERMETTRE L'EXTRACTION D'UN IMPLANT**

[72] ANITUA ALDECOA, EDUARDO, ES

[73] BIOTECHNOLOGY INSTITUTE, I MAS D, S.L., ES

[85] 2010-12-15

[86] 2009-06-18 (PCT/ES2009/000335)

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[51] **Int.Cl. A61M 5/32 (2006.01) A61M 1/36 (2006.01) A61M 5/24 (2006.01)**

[25] EN

[54] **NEEDLE ASSEMBLY**

[54] **ENSEMBLE AIGUILLE**

[72] UCHIDA, YOSHIKUNI, JP

[72] SEKIDUKA, YOUTA, JP

[72] SUTOU, HIROKAZU, JP

[73] NIPRO CORPORATION, JP

[85] 2010-12-15

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[25] EN

[54] **ELECTRODE**

[54] **ELECTRODE**

[72] KUNITAKE, TAKATO, JP

[72] KANNAN, HIROSHI, JP

[73] KUNITAKE, TAKATO, JP

[85] 2010-12-16

[86] 2009-06-19 (PCT/JP2009/061665)

[87] (WO2009/154308)

[30] JP (2008-161995) 2008-06-20

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[13] C

[51] **Int.Cl. F16K 11/10 (2006.01) F16K 15/20 (2006.01)**

[25] EN

[54] **PRESSURE CONTROLLED THREE WAY VALVE DEVICE**

[54] **DISPOSITIF DE SOUPAPE A TROIS VOIES COMMANDE PAR PRESSION**

[72] COLUSSI, RAFAEL ANTONIO, AR

[72] VENICA, NESTOR JUAN, AR

[73] COL-VEN S.A., AR

[85] 2010-12-17

[86] 2009-07-10 (PCT/IB2009/053017)

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[25] EN

[54] **HEAT EXCHANGER**

[54] **ECHANGEUR THERMIQUE**

[72] COOL, PETER JAN, NL

[73] INTERGAS HEATING ASSETS B.V., NL

[85] 2010-12-24

[86] 2009-07-02 (PCT/NL2009/050392)

[87] (WO2010/002255)

[30] NL (1035654) 2008-07-03

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[13] C

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[25] EN

[54] **CONTROLLED AND LOCALIZED RELEASE OF RETINOIDS TO IMPROVE NEOINTIMAL HYPERPLASIA**

[54] **LIBERATION CONTROLEE ET LOCALISEE DE RETINOIDES POUR AMELIORER L'HYPERPLASIE NEOINTIMALE**

[72] AMEER, GUILLERMO A., US

[72] KIBBE, MELINA, US

[72] WEBB, ANTONIO, US

[73] VESSELTEK BIOMEDICAL, LLC, US

[85] 2010-12-29

[86] 2009-07-02 (PCT/US2009/049546)

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[30] US (61/077,949) 2008-07-03

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FOR SUPPORT BAR, AND  
SUPPORT BAR**

[54] **PROCEDE DE FOURNITURE D'UN  
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[73] VALVAS OY, FI  
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[54] **GOULOTTE POUR DISPOSITIF DE  
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[73] UOP LLC, US  
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PHYSICAL CONNECTIVITY  
BETWEEN POWER OUTLETS  
AND IT EQUIPMENT**

[54] **DECOUVERTE AUTOMATIQUE  
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[73] RIGEL PHARMACEUTICALS, INC.,  
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[54] **HYBRID SILICA MEMBRANE FOR  
WATER REMOVAL FROM  
LOWER ALCOHOLS AND  
HYDROGEN SEPARATION**

[54] **MEMBRANE DE SILICE HYBRIDE  
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[72] KREITER, ROB, NL  
[72] CASTRICUM, HESSEL LENNART,  
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[72] VENDE, JAAP FERDINAND, NL  
[72] TEN ELSHOF, JOHAN EVERT, NL  
[72] RIETKERK, MARIA DIRKJE ANNA,  
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[54] **APPAREIL POUR SERRER UN  
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[54] **COMPOSES D'ACTIVATION DE PKC UTILES DANS LE TRAITEMENT DE MALADIES NEURODEGENERATIVES**  
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[72] ALKON, DANIEL L., US  
[73] BLANCHETTE ROCKEFELLER NEUROSCIENCES INSTITUTE, US  
[85] 2011-01-18  
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[25] EN  
[54] **FLOTATION AND SEPARATION OF FLOCCULATED OILS AND SOLIDS FROM WASTE WATERS**  
[54] **FLOTTATION ET SEPARATION D'HUILES ET DE SOLIDES FLOCULES A PARTIR D'EAUX USEES**  
[72] SIKES, C. STEVEN, US  
[72] SIKES, T. DANIEL, US  
[72] HOCHWALT, MARK A., US  
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[72] HERRMANN, MARK E., US  
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[54] **METHODE DE COMMANDE D'UNE INSTALLATION D'ASCENSEURS**  
[72] FINSCHI, LUKAS, CH  
[73] INVENTIO AG, CH  
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[54] **SUPPORT FOR AN AIRCRAFT STRUCTURAL COMPONENT PRODUCED IN A SELECTIVE LASER MELTING METHOD**  
[54] **SUPPORT POUR COMPOSANT STRUCTURAL D'AERONEF POUVANT ETRE PRODUIT SELON UN PROCEDE DE FUSION SELECTIVE PAR LASER**  
[72] KLAHN, CHRISTOPH, DE  
[72] GYSEMBERG, RUEDY, DE  
[72] REHME, OLAF, DE  
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[54] **OPERATING DEVICE FOR ROTATING A WINDING ROLLER OF A WINDOW BLIND**  
[54] **DISPOSITIF DE COMMANDE DE ROTATION DU TAMBOUR D'ENROULEMENT D'UN STORE DE FENETRE**  
[72] LIN, SHIH-MING, TW  
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[54] **CELLULES PRODUISANT DES GLYCOPROTEINES AYANT DES PROFILS DE GLYCOSYLATION MODIFIES ET PROCEDES ET UTILISATION CORRESPONDANTS**  
[72] CALLEWAERT, NICO, BE  
[72] DE POURCQ, KAREN, BE  
[72] GEYSSENS, STEVEN, BE  
[72] MEURIS, LEANDER, BE  
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[25] EN  
[54] **COMPOSITION AND METHOD FOR MANUFACTURE OF A FIBROUS POLYURETHANE COMPOSITE PRODUCT**  
[54] **COMPOSITION ET PROCEDE DE FABRICATION D'UN PRODUIT COMPOSITE DE POLYURETHANE FIBREUX**  
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[73] SYLVANOVA, INC., US  
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[54] **ANTIOXIDANT COMPOSITION FOR MARINE OILS COMPRISING TOCOPHEROL, ROSEMARY EXTRACT, ASCORBIC ACID AND GREEN TEA EXTRACT, SAID GREEN TEA EXTRACT COMPRISING A POLYSACCHARIDE CARRIER**  
[54] **COMPOSITION ANTIOXYDANTE POUR HUILES MARINES RENFERMANT DU TOCOPHEROL, DE L'EXTRAIT DE ROMARIN, DE L'ACIDE ASCORBIQUE ET DE L'EXTRAIT DE THE VERT, LEDIT EXTRAIT DE THE VERT RENFERMANT UN PORTEUR POLYSACCHARIDE**  
[72] BREIVIK, HARALD, NO  
[72] JACOBSEN, CHARLOTTE, DK  
[72] MOEN, VIDAR, NO  
[72] VOJNOVIC, TANJA, NO  
[73] EPAX NORWAY AS, NO  
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[54] **PROCEDES ET APPAREIL DE PRODUCTION DE MULTIPLES EXTRUDATS ALIMENTAIRES**  
[72] WEINSTEIN, JAMES N., US  
[72] WRIGHT, KEVIN H., US  
[73] GENERAL MILLS IP HOLDINGS II, LLC, US  
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[54] **APPAREIL ET PROCEDE DE GENERATION D'UN SIGNAL AUDIO DE SYNTHESE ET DE CODAGE D'UN SIGNAL AUDIO**  
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[72] MULTRUS, MARKUS, DE  
[72] LECOMTE, JEREMIE, DE  
[72] BAYER, STEFAN, DE  
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[54] **DISPOSITIF DE RETENUE INTERNE**  
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[72] CARSON, GLENN, CA  
[73] CAR-BER INVESTMENTS INC., CA  
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[73] SAXAS NUTZFAHRZEUGE WERDAU GMBH, DE  
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[73] SETCO SALES COMPANY, US  
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[73] CHEMOCENTRYX, INC., US  
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[54] **GESTION D'INTERFERENCES POUR DIFFERENTES TECHNOLOGIES DE COMMUNICATION SANS FIL**  
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[73] QUALCOMM INCORPORATED, US  
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[54] **ASSEMBLAGE DE PIECES EN TITANE ET EN ACIER PAR SOUDAGE DIFFUSION**  
[72] COUTURIER, RAPHAEL, FR  
[72] FERTE, JEAN-PIERRE, FR  
[72] LESCURE, XAVIER FIRMIN CAMILLE JEAN, FR  
[72] GILLIA, OLIVIER, FR  
[72] RICCETTI, BRUNO, FR  
[73] SNECMA, FR  
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[54] **TRAITEMENT AMELIORE DU G-CSF HUMAIN RECOMBINANT**  
[72] SCHROEDER, CAROLA, DE  
[72] CASADEMUNT, ELISABETH, DE  
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[73] OCTAPharma AG, CH  
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[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'UNE EXPOSITION A DES RAYONNEMENTS**  
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[72] WEBSTER, GILLIAN ALISON, NZ  
[73] INNATE THERAPEUTICS LIMITED, NZ  
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[54] **BAFFLE D'EGALISATION DE PRESSION ET SERRAGE PNEUMATIQUE A EFFET COANDA**  
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[73] HONEYWELL ASCA, INC., CA  
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[54] **PROCEDE DE SIMPLIFICATION DE LA FABRICATION DE LENTILLES**  
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[72] COLLINS, MICHAEL J., AU  
[72] CHEHAB, KHALED A., US  
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[54] **DETECTEUR A DEPLACEMENT**  
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[72] SHAPLEY, JULIAN, GB  
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[54] **PROCEDE DE PRODUCTION DE PRODUITS DE CONFISERIE CONGELES**  
[72] BURMESTER, SABINA SILVIA HAENEL, GB  
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[54] **PROCEDE DE TRANSFERT DYNAMIQUE SUPRACONDUCTEUR A ECONOMIE D'ENERGIE D'UN ECOULEMENT DE MILIEU**  
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[72] ZALUSKY, MARTIN G., US  
[73] STRATASYS, INC., US  
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[54] **METHODE DE FABRICATION DE POLY(ARYLETHERCETONES) EN PRESENCE DE CARBONATE DE SODIUM**  
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[73] SOLVAY ADVANCED POLYMERS, L.L.C., US  
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[54] **DISPOSITIF DE SECHAGE DE BIOMASSE SOLIDE ET UTILISATION DE CE DISPOSITIF**  
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[54] **PROCEDE ET APPAREIL D'AFFICHAGE TACTILE**  
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[72] LOWLES, ROBERT JAMES, CA  
[73] BLACKBERRY LIMITED, CA  
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[54] **EMPLACEMENT D'ESTERS D'ACIDE GRAS SUR TAMPON ET EFFICACITE D'INHIBITION DE TOXINE**  
[72] PIERSON, LINDA M., US  
[72] BROWN-SKROBOT, SUSAN K., US  
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[73] MCNEIL-PPC, INC., US  
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[54] **STRUCTURE DE CONSTRUCTION LEGERE PRODUITE A L'AIDE D'UN MORTIER ET UNE METHODE DE PRODUCTION ASSOCIEE**  
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[73] LOGLEN KFT., HU  
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[54] **DEFLECTEUR DEPLACABLE POUR ECHANGEUR DE CHALEUR ET PROCEDE DE REDUCTION DES VIBRATIONS DE CELUI-CI**  
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[54] **PROCEDE ET DISPOSITIF D'ESSAI D'UN APPAREIL RADIO MOBILE A L'AIDE D'UNE SIMULATION STATIQUE DE CANAL**  
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[72] THOMAS, R. MATHEW, US  
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[72] HICKLIN, ROBERT, GB  
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[72] MORRIS, CASSANDRA E., US  
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[72] ZITNICK, DAVE, US  
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[72] ARENDS, BEREND JAN, NL  
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[54] **PROCEDE POUR LA PREPARATION D'UN PRODUIT ALIMENTAIRE CONTINU GRAS COMESTIBLE**  
[72] BEZEMER, ALBERT JAN, NL  
[72] HUIZINGA, HINDRIK, NL  
[72] VAN MALSSSEN, KEES FREDERIK, NL  
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[54] **PROCESS FOR THE PREPARATION OF N-[5-(3-DIMETHYLAMINO-ACRYLOYL)-2-FLUORO-PHENYL]-N-METHYL-ACETAMIDE**  
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[54] **METHOD FOR THE DELIVERY OF A MULTI-COMPONENT REACTIVE SYSTEM TO A MOLDING OPERATION**  
[54] **PROCEDE POUR L'APPORT D'UN SYSTEME REACTIF MULTICOMPOSANTS DANS UNE OPERATION DE MOULAGE**  
[72] ESSEGHIR, MOHAMED, US  
[72] COGEN, JEFFREY M., US  
[72] SENGUPTA, SAURAV S., US  
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[54] **COMPUTER SYSTEM AND METHOD FOR CONTROLLING CHARGING OF A BLAST FURNACE BY MEANS OF A USER INTERFACE**  
[54] **SYSTEME INFORMATIQUE ET PROCEDE PERMETTANT DE COMMANDER LE CHARGEMENT D'UN HAUT FOURNEAU AU MOYEN D'UNE INTERFACE UTILISATEUR**  
[72] TOCKERT, PAUL, LU  
[72] MEYER, DAMIEN, FR  
[72] HANSEN, FABRICE, LU  
[73] PAUL WURTH S.A., LU  
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[73] THULE SWEDEN AB, SE  
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[54] **TRAINING AND/OR REHABILITATION DEVICE IN WHICH A WALKING OR RUNNING TREADMILL IS ARRANGED IN A WATER TANK WITH FLOWING WATER**  
[54] **DISPOSITIF D'ENTRAINEMENT ET/OU DE REEDUCATION, PRESENTANT UN TAPIS DE MARCHE OU DE COURSE AGENCE DANS UN BASSIN D'EAU CIRCULANTE**  
[72] HOF, GEORG, AT  
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[54] **PROTEINES TENSIOACTIVES EN TANT QU'EXCIPIENTS DANS DES FORMULATIONS PHARMACEUTIQUES SOLIDES**  
[72] BUTHE, ANDREAS, DE  
[72] HAFNER, ANDREAS, CH  
[72] KAUFMANN, FRANZ, DE  
[72] GABOR, ESTHER, DE  
[72] MEURER, GUIDO, DE  
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[54] **POSITIONNEUR D'ELEMENT ENTRAINE**  
[72] MURRAY, JAMES SCOTT, US  
[72] GIOIA, WILLIAM GEORGE, US  
[73] THE CHAMBERLAIN GROUP, INC., US  
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[25] FR  
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[54] **ENSEMBLE DIFFUSEUR-REDRESSEUR POUR UNE TURBOMACHINE**  
[72] LOMBARD, JEAN-PIERRE FRANCOIS, FR  
[72] MERCIER, ERIC, FR  
[72] RIBASSIN, FRANCOIS PIERRE GERGES MAURICE, FR  
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[54] **DEVICE AND METHOD FOR DRYING A TISSUE PAPER WEB USING STEAM RECOVERY**  
[54] **DISPOSITIF ET PROCEDE DE SECHAGE D'UNE BANDE CONTINUE DE PAPIER TISSU PAR RECUPERATION DE VAPEUR**  
[72] WIENS, MARTIN, DE  
[72] DEXLER, BRUNO, DE  
[72] HIEKE, JAN, DE  
[72] HEINTZ, JOSEF, DE  
[73] SCA HYGIENE PRODUCTS AB, SE  
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[54] **DEVICE FOR SEPARATING A FLOWING MEDIUM COMPRISING MIXTURE INTO FRACTIONS, THROUGHFLOW TANK AND METHOD FOR MANUFACTURING A PLATE SEPARATOR DEVICE**  
[54] **DISPOSITIF PERMETTANT DE SEPARER EN FRACTIONS UN MILIEU EN ECOULEMENT CONSTITUE D'UN MELANGE, CUVE A ECOULEMENT DIRECT ET PROCEDE DE FABRICATION D'UN DISPOSITIF DE TYPE CLARIFICATEUR A PLAQUES**  
[72] SCHOOK, ROBERT, NL  
[73] SULZER CHEMTECH AG, CH  
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[54] **DISPOSITIF DE PROTECTION D'UNE ZONE DU CORPS HUMAIN NOTAMMENT POUR LA PREVENTION DES ESCARRES**  
[72] DOMINGUEZ, JEAN-PIERRE, FR  
[72] MILLET, DAMIEN, FR  
[72] MILLET, JEAN-CLAUDE, FR  
[73] MILLET INNOVATION, FR  
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[54] **SYSTEM AND METHOD FOR DETERMINING STATOR WINDING RESISTANCE IN AN AC MOTOR USING MOTOR DRIVES**  
[54] **SYSTEME ET PROCEDE DE DETERMINATION DE LA RESISTANCE DE L'ENROULEMENT D'UN STATOR DANS UN MOTEUR C.A. A L'AIDE DE COMMANDES DE MOTEUR**  
[72] LU, BIN, US  
[72] HABELTLER, THOMAS G., US  
[72] ZHANG, PINJIA, US  
[73] EATON CORPORATION, US  
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[54] **PROCEDE DE SYNTHESE DE CLEISTANTHINE**  
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[72] TAPADIYA, SARIKA MADHUSUDAN, IN  
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[54] **TRAITEMENT DE GAZ HYDROCARBURE**  
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[72] LEWIS, W. LARRY, US  
[72] WILKINSON, JOHN D., US  
[72] LYNCH, JOE T., US  
[72] HUDSON, HANK M., US  
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[73] ORTLOFF ENGINEERS, LTD., US  
[73] S.M.E. PRODUCTS LP, US  
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[54] **PROCEDE ET APPAREIL D'ALIMENTATION D'UN CIRCUIT DE VOIE**  
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[72] TRENTINI, DANIELE, IT  
[73] SIRTI S.P.A., IT  
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[54] **APPARATUS AND METHODS FOR TRANSMISSION OF EMERGENCY CALL DATA OVER WIRELESS NETWORKS**  
[54] **APPAREIL ET PROCEDES DE TRANSMISSION DE DONNEES D'APPEL D'URGENCE SUR DES RESEAUX SANS FIL**  
[72] HANS, MARTIN, DE  
[73] APPLE INC., US  
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[54] **METHOD FOR PRODUCING A PRESS-HARDENED METAL COMPONENT**  
[54] **PROCEDE DE FABRICATION D'UNE PIECE METALLIQUE TREMPEE A LA PRESSE**  
[72] LENZE, FRANZ-JOSEF, DE  
[72] SIKORA, SASCHA, DE  
[72] ULRICHS, ANDREAS, DE  
[72] PATBERG, LOTHAR, DE  
[73] THYSSENKRUPP STEEL EUROPE AG, DE  
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[54] **CIRCUIT, SYSTEME ET PROCEDE SERVANT A ISOLER UN TRANSDUCTEUR ET UN AMPLIFICATEUR DANS UN DISPOSITIF ELECTRONIQUE**  
[72] POULSEN, JENS KRISTIAN, CA  
[72] EL-HAGE, MOHAMAD, CA  
[73] BLACKBERRY LIMITED, CA  
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[72] BRYAN, PATRICK H., US  
[73] ANDRITZ BRICMONT INC., US  
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[73] CUMBERLAND PHARMACEUTICALS INC., US  
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[73] LAITRAM, L.L.C., US  
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[54] **ALLOCATION DYNAMIQUE DE SPECTRE (DSA) DANS UN RESEAU DE COMMUNICATION**  
[72] CHAUDHRI, APOORV, US  
[72] RAO, YADUNANDANA N., US  
[73] MOTOROLA SOLUTIONS, INC., US  
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[54] **RESINES EPOXYDES PRESENTANT DES PROPRIETES DE FLEXION AMELIOREES**  
[72] WANG, YEN-SEINE, US  
[73] HEXCEL CORPORATION, US  
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[54] **COMPOSITION FERTILISANTE DE PYROXASULFONE**  
[72] KOBAYASHI, MASANORI, JP  
[72] KIKUCHI, TAJI, JP  
[72] IKEUCHI, TOSHIHIRO, JP  
[73] KUMIAI CHEMICAL INDUSTRY CO., LTD., JP  
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[72] DDAMULIRA, ROBERT KINTU, US  
[72] RAIDY, JOHN EDMUND, US  
[72] WRIGHT, BARRY KENNETH, US  
[73] W.F. TAYLOR LLC, US  
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[54] **TETE D'ETANCHEITE POUR UNE INSTALLATION DE TESTS FLUIDIQUES SUR UNE PIECE DE TURBOMACHINE D'AERONEF**  
[72] BREGIER, LUDOVIC, FR  
[72] CLEACH, CATHY, FR  
[72] MOREAU, PHILIPPE, FR  
[73] SNECMA, FR  
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[54] **DISPOSITIF DE PREPARATION DE CAFE OU D'AUTRES BOISSONS**  
[72] BIRCHER, HANS-ROBERT, CH  
[72] IN-ALBON, JEAN-PAUL, CH  
[73] BIRCHER, HANS-ROBERT, CH  
[73] IN-ALBON, JEAN-PAUL, CH  
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[72] BROWN, MILES, US  
[72] CAPOZZI, MATT, US  
[72] HOFFMAN, MICHAEL T., US  
[72] LAKOVIC, TOMISLAV, US  
[72] WEAST, AARON B., US  
[73] NIKE INNOVATE C.V., US  
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[54] **COMPOSITIONS POUR ADMINISTRATION CONTINUE D'UN INHIBITEUR DE LA DOPA-DECARBOXYLASE**

[72] YACOBY-ZEEVI, ORON, IL

[72] NEMAS, MARA, IL

[73] NEURODERM LTD., IL

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[54] **LIMITING PEAK ELECTRICAL POWER DRAWN BY MINING EXCAVATORS**

[54] **LIMITE DE PUISSANCE ELECTRIQUE D'HEURE DE POINTE EXTRAITE PAR DES EXCAVATEURS D'EXPLOITATION MINIERE**

[72] MAZUMDAR, JOY, US

[72] KOELLNER, WALTER, US

[72] HOLWECK, ANDREAS, DE

[72] ONSAGER, MICHAEL G., US

[72] PITTUS, EKKEHARD, DE

[73] SIEMENS INDUSTRY, INC., US

[73] CATERPILLAR GLOBAL MINING LLC, US

[73] SIEMENS AKTIENGESSELLSCHAFT, DE

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[54] **COMPUTER NETWORK, COMPUTER-IMPLEMENTED METHOD, COMPUTER PROGRAM PRODUCT, CLIENT, AND SERVER FOR NATURAL LANGUAGE-BASED CONTROL OF A DIGITAL NETWORK**

[54] **RESEAU INFORMATIQUE, PROCEDE MIS EN OEUVRE PAR ORDINATEUR, PRODUIT-PROGRAMME INFORMATIQUE, CLIENT ET SERVEUR POUR LE CONTROLE D'UN RESEAU NUMERIQUE BASE SUR UN LANGAGE NATUREL**

[72] CAPUOZZO, GIUSEPPE, IT

[72] MAMMOLITI, FABIO, IT

[72] D'ERRICO, DANIELE, IT

[72] BORGHINI, MARCO, IT

[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

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[54] **STABILISATEUR POUR MAILLON DE TRACTEUR AGRICOLE**

[72] SAUERMANN, HANS, DE

[73] JRS GMBH & CO. KG, DE

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[54] **TWO-PIECE SHIPPING CONTAINER WITH FRANGIBLE OVERLAPPING GLUED RETAINER AREAS**

[54] **CONTENEUR D'EXPEDITION EN DEUX PARTIES POURVU DE ZONES DE MAINTIEN D'ARTICLES FRANGIBLES COLLEES ET CHEVAUCHANTES**

[72] WAIDELICH, JOHN, US

[73] GREEN BAY PACKAGING, INC., US

[86] (2762794)

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[54] **DISPOSITIF A VERIN FIXE POUR LA COMMANDE DE L'ORIENTATION DES PALES DE SOUFFLANTE D'UN TURBOPROPULSEUR**

[72] BELMONTE, OLIVIER, FR

[72] BOSCO, FRANCK EMMANUEL, FR

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[54] **AGRAFE ACCESSOIRE POUR UN ENDOSCOPE**

[72] JAMES, ADAM GRAHAM, GB

[73] ENDOGUARD LIMITED, GB

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[54] **REACTEUR A AUBES DE PYROLYSE D'HYDROCARBURES**  
[72] BUSHUEV, VLADIMIR  
ANDREEVICH, RU  
[73] COOLBROOK OY, FI  
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[54] **METHOD OF CONVERTING LIQUID RING PUMPS HAVING SEALING LIQUID VENTS**  
[54] **PROCEDE DE CONVERSION DE POMPES A ANNEAU LIQUIDE COMPRENANT DES EVENTS POUR LIQUIDE D'ETANCHEITE**  
[72] BISSELL, DOUGLAS ERIC, US  
[72] BEERS, CHARLES HOWARD, US  
[73] GARDNER DENVER NASH, LLC, US  
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[54] **CONFIGURATION D'ECHANGEUR THERMIQUE**  
[72] VATISTAS, GEORGIOS H., CA  
[72] FAYED, MOHAMED, CA  
[73] VALORBEC SOCIETE EN COMMANDITE, REPRESENTEE PAR GESTION VALEO S.E.C., CA  
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[54] **METHOD AND APPARATUS FOR MITIGATING ACUTE REOXYGENATION INJURY DURING PERCUTANEOUS CORONARY INTERVENTION**  
[54] **PROCEDE ET APPAREIL POUR ATTENUER UNE LESION PAR REOXYGENATION AIGUE PENDANT UNE INTERVENTION CORONARIENNE PERCUTANEE**  
[72] THOMAS, NEIL J., US  
[72] VAISNYS, GINTARAS A., US  
[73] RHEOXTECH, LLC, US  
[85] 2012-01-16  
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[54] **MECHANISM FOR THE ABSORPTION OF KINETIC ENERGY COMING FROM THE FRONTAL IMPACT OF VEHICLES AGAINST VEHICLE CONTAINMENT SYSTEMS**  
[54] **MECANISME D'ABSORPTION DE L'ENERGIE CINETIQUE ISSUE DE LA COLLISION FRONTALE DE VEHICULES HEURTANT DES SYSTEMES DE CONFINEMENT DE VEHICULES**  
[72] AMENGUAL PERICAS, ANTONIO, ES  
[73] HIERROS Y APLANACIONES, S.A. (HIASA), ES  
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[54] **BAGUETTE D'ANGLE EN PLASTIQUE RESISTANTE AUX IMPACTS**  
[72] ROSENTHAL, GUY L., US  
[72] ROSSO, AARON C., US  
[72] KOVAL, RONALD J., US  
[73] UNITED STATES GYPSUM COMPANY, US  
[85] 2012-01-30  
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[54] **FLAME RESISTANT FIBERGLASS INSULATION, PRODUCTS, AND METHODS**  
[54] **PRODUITS, PROCEDES ET ISOLATION DE FIBRES DE VERRE ININFLAMMABLES**  
[72] WLODARCZYK, PAUL D., US  
[72] HOUPPT, RONALD A., US  
[72] DAVIES, CURTIS, US  
[72] COLLINGS, STEVEN LEE, US  
[73] KNAUF INSULATION GMBH, US  
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[54] **METHOD AND SYSTEM FOR IDENTIFYING MANAGEMENT ZONES FOR VARIABLE-RATE CROP INPUTS**  
[54] **METHODE ET SYSTEME D'IDENTIFICATION DE ZONES DE GESTION DE DONNEES DE RECOLTE A CROISSANCE VARIABLE**  
[72] WILLNESS, CORWYN, CA  
[73] PHANTOM AG LTD., CA  
[86] (2770216)  
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[54] **3-DIMENSION FIBER STRUCTURES FOR COMPOSITES AND INTERFACES**  
[54] **STRUCTURES 3D DE FIBRES POUR COMPOSITES ET INTERFACES**  
[72] HAN, NANLIN, US  
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[54] **SYSTEME PARE-VENT A FAIBLE BRUIT**  
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[85] 2012-02-13  
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[51] **Int.Cl. B61L 29/32 (2006.01) B61L 23/06 (2006.01) B61L 25/02 (2006.01) B61L 29/18 (2006.01)**  
[25] EN  
[54] **RAILWAY SYSTEMS USING ACOUSTIC MONITORING**  
[54] **RESEAUX FERROVIAIRES UTILISANT LA SURVEILLANCE ACOUSTIQUE**  
[72] CHADWICK, SIMON, GB  
[72] GLOVER, MARK, GB  
[72] PRIEST, IAN, GB  
[72] CHAPMAN, MIKE, GB  
[72] MCQUILLAN, JAMES, GB  
[73] SIEMENS RAIL AUTOMATION HOLDINGS LIMITED, GB  
[85] 2012-02-17  
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[51] **Int.Cl. B65D 88/08 (2006.01) B65G 5/00 (2006.01) E21B 21/01 (2006.01)**  
[25] EN  
[54] **FLUID HANDLING AND CONTAINMENT SYSTEM, APPARATUS AND METHOD**  
[54] **SYSTEME, APPAREIL ET METHODE DE MANIPULATION ET DE CONFINEMENT DE FLUIDES**  
[72] CORBEIL, JASON, CA  
[73] CORBEIL, JASON, CA  
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[54] **IMPLANTABLE DEVICE FOR PRODUCTION OF INTERLEUKIN-1 RECEPTOR ANTAGONIST**  
[54] **DISPOSITIF IMPLANTABLE POUR LA PRODUCTION D'ANTAGONISTE DE RECEPTEUR D'INTERLEUKINE-1**  
[72] HIGGINS, JOEL C., US  
[72] MCKALE, JAMES, US  
[72] WOODDELL-MAY, JENNIFER E., US  
[73] BIOMET BIOLOGICS, LLC, US  
[85] 2012-02-23  
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[25] EN  
[54] **CATALYTIC CONVERTER APPARATUS**  
[54] **APPAREIL CONVERTISSEUR CATALYTIQUE**  
[72] KOYANAGI, GREGORY KIYOSHI, CA  
[72] AL-TURK, SARRY, CA  
[72] BLAGOJEVIC, VOISLAV, CA  
[72] DECESARE, MICHAEL, CA  
[72] PLATI, STEFANO, CA  
[72] SISTILLI, AMANDA, CA  
[73] VIDA HOLDINGS CORP. LTD., CA  
[85] 2012-02-24  
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[25] EN  
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DISPLAYING, MANAGING AND  
SELLING DIGITAL IMAGES**  
[54] **PROCEDE ET SYSTEME  
PERMETTANT D'AFFICHER, DE  
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[72] SMITH, CAINE, KY  
[72] BRYNLEY, DAVIES, KY  
[73] IMAGE HOLDINGS, KY  
[85] 2012-03-02  
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[51] **Int.Cl. F16H 3/08 (2006.01) F16H  
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[25] EN  
[54] **MULTIPLE CLUTCH  
TRANSMISSION AND VEHICLES  
AND APPARATUS INCLUDING A  
MULTIPLE CLUTCH  
TRANSMISSION**  
[54] **TRANSMISSION A EMBRAYAGES  
MULTIPLES ET VEHICULES ET  
APPAREIL COMPRENANT UNE  
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[72] KAHL, MICHAEL E., US  
[73] MACK TRUCKS, INC., US  
[85] 2012-03-06  
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[54] **NANO-ENHANCED  
EVANESCENCE INTEGRATED  
TECHNIQUE (NEET) BASED  
MICROPHOTONIC DEVICE AND  
SAMPLE ANALYSIS SYSTEM**  
[54] **TECHNIQUE INTEGREE  
D'EVANESCENCE NANO-  
AMELIOREE (NEET) FONDEE  
SUR UN DISPOSITIF DE  
MICROPHOTONIQUE ET  
SYSTEME D'ANALYSE  
D'ECHANTILLON**  
[72] PACKIRISAMY,  
MUTHUKUMARAN, CA  
[72] CHANDRASEKARAN, ARVIND, CA  
[73] CONCORDIA UNIVERSITY, CA  
[85] 2012-03-08  
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[13] C

[51] **Int.Cl. A61L 9/015 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
DISINFECTING AND  
DEODORIZING A TOILET  
SYSTEM**  
[54] **PROCEDE ET APPAREIL POUR  
DESINFECTER ET DESODORISER  
UN CIRCUIT TOILETTES**  
[72] CHAN, CHI KEUNG RUDY, CN  
[72] CHAN, YEE LAM, CN  
[72] YEUNG, LAM LUNG, CN  
[72] HO, KA TUNG, CN  
[73] RHT LIMITED, CN  
[85] 2012-03-09  
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[13] C

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[54] **VACCINE AGAINST CHOLERA  
AND ENTEROTOXIGENIC E.  
COLI (ETEC) DIARRHEA**  
[54] **VACCIN CONTRE LA DIARRHEE  
DUE AU CHOLERA ET A E. COLI  
ENTEROTOXIGENE (ETEC)**  
[72] HOLMGREN, JAN, SE  
[72] LEBENS, MICHAEL, SE  
[73] MSD WELLCOME TRUST  
HILLEMAN LABORATORIES PVT  
LTD., IN  
[85] 2012-03-15  
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[30] US (61/272,351) 2009-09-16

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C08L 83/04 (2006.01)**  
[25] EN  
[54] **FLEXIBLE, MOLDED OR  
EXTRUDED ARTICLES AND  
SEMICONDUCTIVE COMPOUNDS  
FOR THEIR MANUFACTURE**  
[54] **ARTICLES FLEXIBLES, MOULES  
OU EXTRUDES, ET COMPOSES  
SEMI-CONDUCTEURS POUR  
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[72] ESSEGHIR, MOHAMED, US  
[72] COGEN, JEFFREY M., US  
[73] UNION CARBIDE CHEMICALS &  
PLASTICS TECHNOLOGY LLC, US  
[85] 2012-03-20  
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[25] EN

[54] **ARTIFICIAL BLOOD VESSEL AND ACCESS PORT OF ARTIFICIAL BLOOD VESSEL**

[54] **VAISSEAU SANGUIN ARTIFICIEL ET ORIFICE D'ACCES DE VAISSEAU SANGUIN ARTIFICIEL**

[72] ASANO, TAKUJI, JP  
[72] YOKOYAMA, DAISUKE, JP  
[72] KINOSHITA, YOSHIHIKO, JP  
[73] NIKKISO CO., LTD., JP

[85] 2012-03-26  
[86] 2011-06-13 (PCT/JP2011/063480)  
[87] (WO2012/002138)

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[25] EN

[54] **VEGETABLE CASING FILM AND METHOD FOR PRODUCTION OF TUBULAR SAUSAGE CASINGS**

[54] **FILM VEGETAL POUR BOYAU ET PROCEDE DE FABRICATION DE BOYAUX POUR SAUCISSES TUBULAIRES**

[72] MACQUARRIE, REG, CA  
[73] LIVING CELL RESEARCH INC., CA

[85] 2012-04-02  
[86] 2009-10-02 (PCT/CA2009/001396)  
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[13] C

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[25] EN

[54] **EASILY DISPERSIBLE PIGMENT PREPARATION BASED ON C.I. PIGMENT YELLOW 155**

[54] **PREPARATION PIGMENTAIRE FACILEMENT DISPERSIBLE A BASE DE PIGMENT C.I. JAUNE 155**

[72] PITARCH LOPEZ, JESUS, DE  
[72] ROHR, ULRIKE, DE  
[72] RICHTER, KRISTIN, DE  
[72] RUIZ FERNANDEZ, EUSEBIO, DE  
[72] BAUR, RUEDIGER, DE  
[73] CLARIANT FINANCE (BVI) LIMITED, VG

[85] 2012-04-05  
[86] 2010-09-22 (PCT/EP2010/005799)  
[87] (WO2011/042120)

[30] DE (10 2009 048 542.2) 2009-10-07

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[13] C

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[25] EN

[54] **FASTENING DEVICE FOR FURNITURE FITTINGS**

[54] **DISPOSITIF DE FIXATION POUR FERRURES DE MEUBLE**

[72] RAICH, OSKAR, AT  
[72] NAGEL, THOMAS, AT  
[73] JULIUS BLUM GMBH, AT

[85] 2012-04-11  
[86] 2010-09-13 (PCT/AT2010/000328)  
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[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) G06F 17/27 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR GROUPING MULTIPLE STREAMS OF DATA**

[54] **SYSTEME ET PROCEDE DE CLASSIFICATION DE MULTIPLES FLUX DE DONNEES**

[72] CVET, MICHAEL, CA  
[72] ANDRITSOS, PERIKLIS, CA  
[72] ESTRADA, FRANCISCO, CA  
[72] BRAZIUNAS, DARIUS, CA  
[73] ROGERS COMMUNICATIONS INC., CA

[85] 2012-04-12  
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[25] EN

[54] **APPROACHES FOR A LOCATION AWARE CLIENT**

[54] **APPROCHES POUR UN CLIENT CONSCIENT D'UN EMBLACEMENT**

[72] LEMIEUX, JACQUES, US  
[72] GUPTA, RAVI, US  
[73] ABSOLUTE SOFTWARE CORPORATION, CA

[85] 2012-04-25  
[86] 2010-11-23 (PCT/US2010/057907)  
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[13] C

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[25] EN  
[54] **OPEN-HOLE PACKER FOR ALTERNATE PATH GRAVEL PACKING, AND METHOD FOR COMPLETING AN OPEN-HOLE WELLBORE**

[54] **GARNITURE D'ETANCHEITE DE TROU OUVERT POUR REALISATION DE FILTRE A GRAVIERS A TRAJET ALTERNE, ET PROCEDE POUR COMPLETER UN SONDAGE A TROU OUVERT**

[72] HAEBERLE, DAVID C., US  
[72] BARRY, MICHAEL D., US  
[72] HECKER, MICHAEL T., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2012-05-03  
[86] 2010-08-23 (PCT/US2010/046329)  
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[13] C

[51] **Int.Cl. F03D 15/00 (2016.01) F03D 15/10 (2016.01) F03D 80/80 (2016.01)**  
[25] EN  
[54] **WIND TURBINE WITH TORQUE BALANCING MECHANISM**

[54] **EOLIENNE DOTEE D'UN MECANISME D'EQUILIBRAGE DE COUPLE**

[72] YOON, JEEN MOK, KR  
[73] YOON, JEEN MOK, KR  
[85] 2012-05-04  
[86] 2010-12-28 (PCT/KR2010/009413)  
[87] (WO2011/081401)  
[30] KR (10-2009-0134940) 2009-12-30

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[51] **Int.Cl. E21B 7/04 (2006.01) E21B 47/02 (2006.01) E21B 47/022 (2012.01)**  
[25] EN  
[54] **LASER ALIGNMENT DEVICE FOR USE WITH A DRILL RIG**

[54] **DISPOSITIF D'ALIGNEMENT A LASER DESTINE A ETRE UTILISE AVEC UNE PLATEFORME DE FORAGE**

[72] O'REILLY, JORDAN, AU  
[73] PRECISION ALIGNMENT HOLDINGS PTY LTD ACN 161 952 361, AU  
[85] 2012-05-09  
[86] 2009-11-11 (PCT/AU2009/001467)  
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[13] C

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[25] EN  
[54] **COORDINATION OF SILENT PERIODS FOR DYNAMIC SPECTRUM MANAGER (DSM)**

[54] **COORDINATION DE PERIODES DE SILENCE POUR GESTIONNAIRE DE SPECTRE DYNAMIQUE (DSM)**

[72] FREDA, MARTINO M., CA  
[72] DEMIR, ALPASLAN, US  
[72] CHINCHOLI, AMITH V., US  
[72] REZNIK, ALEXANDER, US  
[72] KWAK, JOSEPH A., US  
[73] INTERDIGITAL PATENT HOLDINGS, INC., US  
[85] 2012-05-16  
[86] 2010-11-15 (PCT/US2010/056738)  
[87] (WO2011/060376)  
[30] US (61/261,688) 2009-11-16  
[30] US (61/267,914) 2009-12-09  
[30] US (61/386,224) 2010-09-24

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[13] C

[51] **Int.Cl. A61M 16/20 (2006.01) A61M 16/00 (2006.01) A61M 16/12 (2006.01)**  
[25] EN  
[54] **VENTILATOR RESPIRATORY GAS ACCUMULATOR WITH PURGE VALVE**

[54] **ACCUMULATEUR DE GAZ RESPIRATOIRE POUR RESPIRATEUR POURVU D'UNE SOUPEPE DE PURGE**

[72] OGILVIE, MARK, US  
[72] VUONG, STEVE, US  
[72] PATEL, NIRAV, US  
[72] NAKAI, RICHARD, US  
[72] WALLNER, THOMAS, US  
[73] COVIDIEN LP, US  
[85] 2012-05-30  
[86] 2010-11-30 (PCT/US2010/058263)  
[87] (WO2011/068771)  
[30] US (61/266,419) 2009-12-03  
[30] US (61/266,438) 2009-12-03  
[30] US (61/266,404) 2009-12-03  
[30] US (61/266,431) 2009-12-03  
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[13] C

[51] **Int.Cl. B29C 70/32 (2006.01) B29D 99/00 (2010.01) B29C 33/48 (2006.01) B29C 70/44 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD FOR PRODUCING A FUSELAGE SHELL FORMED FROM COMPOSITE FIBRE MATERIAL FOR AN AIRCRAFT**

[54] **DISPOSITIF ET PROCEDE DE PRODUCTION D'UNE ENVELOPPE DE FUSELAGE FORMEE DE MATERIAU FIBREUX COMPOSITE DESTINEE A UN AERONEF**

[72] BARLAG, CARSTEN, DE  
[72] STEIGER, CHRISTIAN, DE  
[72] DESCHAUER, NIELS, DE  
[73] AIRBUS OPERATIONS GMBH, DE  
[73] PREMIUM AEROTEC GMBH, DE  
[85] 2012-06-05  
[86] 2010-12-07 (PCT/EP2010/069052)  
[87] (WO2011/070002)  
[30] DE (10 2009 056 978.2) 2009-12-07  
[30] US (61/267,222) 2009-12-07

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[13] C

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[25] EN  
[54] **CONTROL VALVE HAVING LIVE LOADED PACKING FOLLOWER WITH LEAK-OFF AND INDEPENDENT SECONDARY SEAL**  
[54] **VANNE DE COMMANDE AYANT UN PRESSE-GARNITURE CHARGE EN TENSION AVEC JOINT DE FUITE ET JOINT SECONDAIRE INDEPENDANT**  
[72] BRESTEL, RONALD R., US  
[73] FISHER CONTROLS INTERNATIONAL LLC, US  
[85] 2012-06-07  
[86] 2010-11-11 (PCT/US2010/056408)  
[87] (WO2011/075248)  
[30] US (12/642,038) 2009-12-18

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[13] C

[51] **Int.Cl. A23D 9/007 (2006.01) A23L 3/36 (2006.01)**  
[25] EN  
[54] **FATTY COMPOUND THAT REDUCES THE FORMATION OF ICE CRYSTALS ON PRE-FRIED FROZEN FOODS**  
[54] **COMPOSITION GRASSE QUI REDUIT LA FORMATION D'ECUME DANS DES ALIMENTS PREFRITS ET CONGELES**  
[72] DAZA LEGUIZAMON, FREDY LEONARDO, CO  
[73] TEAM FOODS COLOMBIA S.A., CO  
[85] 2012-06-13  
[86] 2009-12-29 (PCT/IB2009/007902)  
[87] (WO2011/080528)

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[13] C

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[25] EN  
[54] **MAGNETIC COUPLING FOR FAUCET HANDLE**  
[54] **COUPLAGE MAGNETIQUE POUR POIGNEE DE ROBINET**  
[72] ALLEN, BENJAMIN MICHAEL, US  
[72] NELSON, ALFRED CHARLES, US  
[73] DELTA FAUCET COMPANY, US  
[85] 2012-06-14  
[86] 2011-01-03 (PCT/US2011/020031)  
[87] (WO2011/082397)  
[30] US (12/651,818) 2010-01-04

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[13] C

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[25] EN  
[54] **WELDLESS BUILDING STRUCTURES**  
[54] **STRUCTURES DE CONSTRUCTION SANS SOUDURE**  
[72] DAYTON, LIONEL E., US  
[72] LUKES, RICHARD, US  
[73] NUCOR CORPORATION, US  
[73] ASIA FASTENING (US), INC., US  
[85] 2012-06-15  
[86] 2011-02-19 (PCT/US2011/025568)  
[87] (WO2011/103522)  
[30] US (61/306,309) 2010-02-19

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[13] C

[51] **Int.Cl. A61B 5/00 (2006.01) A61K 49/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR DETERMINING THE LIVER PERFORMANCE OF A LIVING ORGANISM BY THE MEANS OF QUANTITATIVE MEASURING THE METABOLIZATION OF SUBSTRATES**  
[54] **PROCEDE POUR DETERMINER LA FONCTION HEPATIQUE D'UN ETRE VIVANT PAR MESURE QUANTITATIVE DE LA METABOLISATION DE SUBSTRATS**  
[72] HEYNE, KARSTEN, DE  
[72] STOCKMANN, MARTIN, DE  
[73] HUMEDICS GMBH, DE  
[85] 2012-06-22  
[86] 2010-12-21 (PCT/EP2010/070408)  
[87] (WO2011/076804)  
[30] DE (10 2009 055 321.5) 2009-12-24

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[13] C

[51] **Int.Cl. A61K 36/906 (2006.01) A61K 36/9068 (2006.01) A61P 29/00 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS INCLUDING GINGER FOR THE AMELIORATION OR PREVENTION OF INFLAMMATORY CONDITIONS**  
[54] **COMPOSITIONS COMPORTANT DU GINGEMBRE POUR L'AMELIORATION OU LA PREVENTION DE CONDITIONS INFLAMMATOIRES**  
[72] KHOO, CHRISTINA, US  
[72] PAETAU-ROBINSON, INKE, US  
[72] FRANTZ, NOLAN ZEBULON, US  
[73] HILL'S PET NUTRITION, INC., US  
[85] 2012-06-26  
[86] 2010-12-23 (PCT/US2010/062017)  
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[30] US (61/290,783) 2009-12-29

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[13] C

[51] **Int.Cl. E21B 10/46 (2006.01)**  
[25] EN  
[54] **FIXED CUTTER DRILL BIT FOR ABRASIVE APPLICATIONS**  
[54] **FORET DE COUPE FIXE POUR APPLICATIONS D'ABRASION**  
[72] ISNOR, SIDNEY J., CA  
[72] AZAR, MICHAEL G., US  
[72] HOFFMASTER, CARL, US  
[72] ALSUP, SHELTON W., US  
[72] OLDFHAM, THOMAS W., US  
[72] OLIVER, STUART R., US  
[73] SMITH INTERNATIONAL, INC., US  
[86] (2786820)  
[87] (2786820)  
[22] 2006-03-03  
[62] 2,538,545  
[30] US (60/658,534) 2005-03-03

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[13] C  
[51] **Int.Cl. A01C 11/00 (2006.01) A01B 79/00 (2006.01) A01G 7/00 (2006.01)**  
[25] EN  
[54] **COLLECTION AND DISTRIBUTION OF PLANT MATERIAL**  
[54] **COLLECTE ET DISTRIBUTION DE MATERIAU DE PLANTATION**  
[72] LESKIW, LEONARD, CA  
[73] LESKIW, LEONARD, CA  
[86] (2787852)  
[87] (2787852)  
[22] 2012-08-27  
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[11] **2,787,945**  
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[51] **Int.Cl. G09F 3/02 (2006.01) G09F 3/04 (2006.01) G09F 3/14 (2006.01)**  
[25] EN  
[54] **PEDIATRIC IDENTIFICATION TAG WITH WINGS**  
[54] **ETIQUETTE D'IDENTIFICATION PEDIATRIQUE MUNIE D'AILETTES**  
[72] MOREHOUSE, STEVEN L., US  
[72] JOSEPH, KAREN L., US  
[72] SAENZ, MARTIN E., US  
[73] PRECISION DYNAMICS CORPORATION, US  
[85] 2012-07-23  
[86] 2011-01-25 (PCT/US2011/022432)  
[87] (WO2011/094217)  
[30] US (12/695,094) 2010-01-27

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[11] **2,787,970**  
[13] C  
[51] **Int.Cl. G01V 1/30 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR MODELING 3D GEOLOGICAL STRUCTURES**  
[54] **SYSTEMES ET PROCEDES DE MODELISATION DE STRUCTURES GEOLOGIQUES 3D**  
[72] MAUCEC, MARKO, US  
[72] YARUS, JEFFREY M., US  
[72] LIANG, LU MING, US  
[73] LANDMARK GRAPHICS CORPORATION, US  
[85] 2012-07-23  
[86] 2011-01-07 (PCT/US2011/020569)  
[87] (WO2011/102922)  
[30] US (12/710,253) 2010-02-22

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[25] EN  
[54] **INTRAOCULAR LENS**  
[54] **LENTILLE INTRAOCULAIRE**  
[72] HOUBRECHTS, YVETTE APPOLINE JOSEPHINE, BE  
[72] PAGNOULLE, CHRISTOPHE ROBERT MARIE ARMAND, BE  
[72] GATINEL, DAMIEN, FR  
[73] PHYSIOL, BE  
[85] 2012-07-24  
[86] 2011-01-25 (PCT/EP2011/051003)  
[87] (WO2011/092169)  
[30] BE (2010/0041) 2010-01-26

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[13] C  
[51] **Int.Cl. C01B 3/06 (2006.01)**  
[25] EN  
[54] **PHOSPHINE-OXIDE CATALYZED PROCESS OF PRODUCTION OF HYDROGEN FROM SILYLATED DERIVATIVES AS HYDROGEN CARRIER**  
[54] **PROCEDE CATALYSE PAR OXYDE DE PHOSPHINE POUR OBTENTION D'HYDROGENE DE DERIVES DE SILYLES COMME PORTEURS D'HYDROGENE**  
[72] BRUNEL, JEAN-MICHEL, FR  
[73] UNIVERSITE D'AIX-MARSEILLE, FR  
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR  
[85] 2012-08-14  
[86] 2011-02-15 (PCT/EP2011/052192)  
[87] (WO2011/098614)  
[30] US (61/304,595) 2010-02-15

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[13] C  
[51] **Int.Cl. F16J 15/50 (2006.01) F16D 3/84 (2006.01)**  
[25] EN  
[54] **ROTATIONAL DRIVESHAFT COUPLER TO FACILITATE A PERFECT SEAL**  
[54] **COUPLEUR D'ARBRE ROTATIF POUR FACILITER UN JOINT PARFAIT**  
[72] CHANG, CHUNG, US  
[73] CHANG, CHUNG, US  
[86] (2789881)  
[87] (2789881)  
[22] 2012-09-07  
[30] US (13235378) 2011-09-17

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[13] C  
[51] **Int.Cl. B01D 15/38 (2006.01) C12M 1/26 (2006.01) C12N 1/00 (2006.01) C12N 5/00 (2006.01) C12Q 1/24 (2006.01) G01N 1/34 (2006.01) G01N 33/53 (2006.01) G01N 33/543 (2006.01)**  
[25] EN  
[54] **METHODS AND REAGENTS FOR IMPROVED SELECTION OF BIOLOGICAL MATERIALS**  
[54] **PROCEDES ET REACTIFS POUR UNE SELECTION AMELIOREE DE MATERIAUX BIOLOGIQUES**  
[72] RUSSELL, THOMAS, US  
[72] MCGANN, PAULINE, US  
[72] MUSICK, MIKE, US  
[72] CIOCCI, MICHAEL, US  
[73] VERIDEX, LLC, US  
[86] (2790024)  
[87] (2790024)  
[22] 2003-07-23  
[62] 2,493,367  
[30] US (10/208,939) 2002-07-31

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[51] **Int.Cl. E21B 43/16 (2006.01) E21B 41/00 (2006.01)**  
[25] EN  
[54] **CO2 STORAGE IN ORGANIC-RICH ROCK FORMATION WITH HYDROCARBON RECOVERY**  
[54] **STOCKAGE DE CO2 DANS UNE FORMATION ROCHEUSE RICHE EN COMPOSANTS ORGANIQUES AVEC RECUPERATION DES HYDROCARBURES**  
[72] KELLER, STUART R., US  
[72] MAZE, WILLIAM B., US  
[72] TELETZKE, GARY F., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2012-08-30  
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[25] EN

[54] **ACTIVE INPUT ELICITATION BY INTELLIGENT AUTOMATED ASSISTANT**

[54] **ELICITATION DE SAISIE ACTIVE PAR ASSISTANT AUTOMATISE INTELLIGENT**

[72] GRUBER, THOMAS ROBERT, US  
[72] CHEYER, ADAM JOHN, US  
[72] GUZZONI, DIDIER RENE, CH  
[72] BRIGHAM, CHRISTOPHER DEAN, US  
[72] GIULI, RICHARD DONALD, US  
[72] BASTEA-FORTE, MARCELLO, US  
[72] SADDLER, HARRY JOSEPH, US  
[73] APPLE INC., US  
[86] (2791791)  
[87] (2791791)  
[22] 2011-01-11  
[62] 2,787,351  
[30] US (61/295,774) 2010-01-18  
[30] US (12/987,982) 2011-01-10

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[11] **2,791,813**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 17/00 (2006.01)**

[25] EN

[54] **INCEPTION OF LIVE EVENTS**

[54] **CREATION D'EVENEMENTS EN DIRECT**

[72] KERBY, ERIC JAMES, CA  
[73] KERBY, ERIC JAMES, CA  
[85] 2012-08-30  
[86] 2011-03-22 (PCT/IB2011/051203)  
[87] (WO2011/121486)  
[30] US (61/318,764) 2010-03-29

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[11] **2,793,003**  
[13] C

[51] **Int.Cl. H04W 4/16 (2009.01) G06Q 10/10 (2012.01)**

[25] EN

[54] **A MOBILE DEVICE WITH ENHANCED TELEPHONE CALL INFORMATION AND A METHOD OF USING SAME**

[54] **APPAREIL MOBILE AVEC INFORMATIONS PAR APPEL TELEPHONIQUE AMELIOREES, ET METHODE ASSOCIEE**

[72] SCOTT, SHERRYL LEE LORRAINE, CA  
[72] KUHL, LAWRENCE EDWARD, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2793003)  
[87] (2793003)  
[22] 2010-02-04  
[62] 2,692,197  
[30] EP (09152314.2) 2009-02-06

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[11] **2,793,145**  
[13] C

[51] **Int.Cl. C12Q 1/68 (2006.01)**

[25] EN

[54] **SINGLE NUCLEOTIDE POLYMORPHISMS OF HUMAN CHROMOSOME 4 IN THE INOSITOL POLYPHOSPHATE-4-PHOSPHATASE TYPE II GENE (INPP4B GENE) FOR DIAGNOSIS OR PRE-DIAGNOSIS OF MULTIPLE SCLEROSIS**

[54] **POLYMORPHISMES D'UN SEUL NUCLEOTIDE DU CHROMOSOME HUMAIN 4 DANS LE GENE INOSITOL-POLYPHOSPHATE-4-PHOSPHATASE TYPE II (GENE INPP4B) POUR LE DIAGNOSTIC OU LE PREDIAGNOSTIC DE LA SCLEROSE EN PLAQUES**

[72] IBRAHIM, SALEH, DE  
[73] IMMUNGENETICS AG, DE  
[85] 2012-08-21  
[86] 2011-02-21 (PCT/EP2011/052500)  
[87] (WO2011/101466)  
[30] DE (10 2010 008 827.7) 2010-02-22

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[11] **2,793,569**  
[13] C

[51] **Int.Cl. A61C 17/32 (2006.01) A61C 17/02 (2006.01) A61C 17/22 (2006.01)**

[25] EN

[54] **HEAD FOR A POWERED DENTURE BRUSH AND A DENTURE BRUSH INCORPORATING THE SAME**

[54] **TETE POUR BROUSSE A DENTS ELECTRIQUE ET BROUSSE A DENTS COMPRENANT LADITE**

[72] DICKIE, ROBERT G., CA  
[72] HARRISON, JAMES, CA  
[73] HARRISON HYGIENE INC., CA  
[85] 2012-09-18  
[86] 2010-03-24 (PCT/CA2010/000447)  
[87] (WO2010/108274)  
[30] US (12/410,090) 2009-03-24

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[11] **2,794,862**  
[13] C

[51] **Int.Cl. H04M 3/533 (2006.01) H04W 4/12 (2009.01) H04W 4/18 (2009.01)**

[25] EN

[54] **METHODS AND DEVICES TO RETRIEVE VOICE MESSAGES**

[54] **METHODES ET DISPOSITIFS D'EXTRACTION DE MESSAGES VOCAUX**

[72] EARNSHAW, ANDREW MARK, CA  
[72] WENG, JIANFENG, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2794862)  
[87] (2794862)  
[22] 2012-11-07  
[30] EP (11193111.9) 2011-12-12

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[11] **2,794,960**  
[13] C

[51] **Int.Cl. C08J 3/12 (2006.01) A61K 9/50 (2006.01) A61K 47/36 (2006.01) C08B 37/00 (2006.01)**

[25] EN

[54] **SUPERCritical FLUID TREATMENT OF HIGH MOLECULAR WEIGHT BIOPOLYMERS**

[54] **TRAITEMENT PAR UN FLUIDE SUPERCRITIQUE DE BIOPOLYMERES DE HAUT POIDS MOLECULAIRE**

[72] TEMELLI, FERAL, CA

[72] SEIFRIED, BERNHARD, CA

[73] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA

[85] 2012-09-28

[86] 2011-04-01 (PCT/CA2011/000360)

[87] (WO2011/120155)

[30] US (61/320,182) 2010-04-01

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[11] **2,795,258**  
[13] C

[51] **Int.Cl. H04W 24/10 (2009.01) H04W 36/32 (2009.01)**

[25] EN

[54] **LOW MOBILITY STATES AND PROCEDURES**

[54] **PROCEDURES ET ETATS DE FAIBLE MOBILITE**

[72] ANEPU, BHASKAR M., US

[72] CAVE, CHRISTOPHER R., CA

[72] GOMES, SYLVIE, US

[72] PANI, DIANA, CA

[73] INTERDIGITAL PATENT HOLDINGS, INC., US

[85] 2012-10-02

[86] 2011-04-01 (PCT/US2011/030872)

[87] (WO2011/123744)

[30] US (61/320,600) 2010-04-02

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[11] **2,796,382**  
[13] C

[51] **Int.Cl. H04W 72/08 (2009.01) H04W 24/00 (2009.01) H04W 64/00 (2009.01) H04B 1/76 (2006.01) H04J 11/00 (2006.01)**

[25] EN

[54] **METHOD OF GENERATING PILOT PATTERN FOR ADAPTIVE CHANNEL ESTIMATION IN OFDMA SYSTEMS, METHOD OF TRANSMITTING/RECEIVING USING THE PILOT PATTERN AND APPARATUS THEREOF**

[54] **PROCEDE DE PRODUCTION DE MOTIF PILOTE POUR ESTIMATION ADAPTATIVE DE VOIE DANS DES SYSTEMES OFDMA, PROCEDE D'EMISSION/RECEPTION UTILISANT LE MOTIF PILOTE ET DISPOSITIF ASSOCIE**

[72] HWANG, SUNG-HYUN, KR

[72] KIM, CHANG-JOO, KR

[72] SONG, MYUNG-SUN, KR

[72] UM, JUNG-SUN, KR

[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR

[86] (2796382)

[87] (2796382)

[22] 2007-04-24

[62] 2,650,462

[30] US (60/794,382) 2006-04-24

[30] US (60/845,571) 2006-09-19

[30] KR (10-2007-0040013) 2007-04-24

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[11] **2,796,948**  
[13] C

[51] **Int.Cl. G10L 19/02 (2013.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR MODIFYING AN INPUT AUDIO SIGNAL**

[54] **APPAREIL ET PROCEDE DE MODIFICATION D'UN SIGNAL AUDIO D'ENTREE**

[72] UHLE, CHRISTIAN, DE

[72] HERRE, JUERGEN, DE

[72] HELLMUTH, OLIVER, DE

[72] FINAUER, STEFAN, DE

[73] FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2012-10-19

[86] 2011-04-20 (PCT/EP2011/056355)

[87] (WO2011/131732)

[30] EP (10160679.6) 2010-04-22

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[11] **2,797,252**  
[13] C

[51] **Int.Cl. H04Q 3/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR MESSAGE TRACKING CONFIGURATION IN TELECOM SERVICES**

[54] **PROCEDE ET SYSTEME POUR CONFIGURATION DE SUIVI DE MESSAGES DANS DES SERVICES DE TELECOMMUNICATION**

[72] ZHANG, JIWEI, CN

[73] ZTE CORPORATION, CN

[85] 2012-10-23

[86] 2011-01-30 (PCT/CN2011/070808)

[87] (WO2012/019447)

[30] CN (201010251402.0) 2010-08-09

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[13] C

[51] **Int.Cl. A61H 19/00 (2006.01)**

[25] EN

[54] **SUBSTANTIALLY UPRIGHT SURFACE-ADHERING SELF PLEASURE DEVICE AND METHOD**

[54] **DISPOSITIF PROCURANT DU PLAISIR PERSONNEL DOTE D'UNE SURFACE AUTO-ADHERANTE SUBSTANTIELLEMENT VERTICALE ET METHODE D'UTILISATION**

[72] MAURETTE, NEIL L., CA

[73] MAURETTE, NEIL L., CA

[86] (2797665)

[87] (2797665)

[22] 2012-11-30

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[11] **2,799,031**  
[13] C

[51] **Int.Cl. B42D 15/02 (2006.01) G09F 3/10 (2006.01) G09F 23/10 (2006.01)**

[25] EN

[54] **CARD WITH PEELABLE INFORMATION STICKER**

[54] **CARTE A AUTO-COLLANT D'INFORMATION PELABLE**

[72] BOYKO, PATRICIA, CA

[73] BOYKO, PATRICIA, CA

[86] (2799031)

[87] (2799031)

[22] 2012-12-18

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[13] C

[51] **Int.Cl. G06F 17/00 (2006.01) G05D 1/00 (2006.01)**  
[25] EN  
[54] **REMOTE VEHICLE CONTROL SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UN VEHICULE DISTANT**  
[72] PACK, ROBERT TODD, US  
[72] ALLIS, DANIEL, US  
[73] IROBOT CORPORATION, US  
[85] 2012-11-09  
[86] 2011-05-12 (PCT/US2011/036352)  
[87] (WO2012/021192)  
[30] US (61/334,167) 2010-05-12

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[11] **2,799,443**  
[13] C

[51] **Int.Cl. G06F 3/048 (2013.01) G06F 17/30 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PRESENTING LOCATION-BASED CONTENT**  
[54] **PROCEDE ET APPAREIL DE PRESENTATION D'UN CONTENU GEODEPENDANT**  
[72] VAITTINEN, TUOMAS, FI  
[72] CASTRO, BRENDA, FI  
[72] MURPHY, DAVID JOSEPH, FI  
[72] AARNIO, ARI ANTERO, FI  
[72] KARKKAINEN, TUULA, FI  
[73] NOKIA TECHNOLOGIES OY, FI  
[85] 2012-11-14  
[86] 2011-02-10 (PCT/FI2011/050124)  
[87] (WO2011/144798)  
[30] US (12/780,912) 2010-05-16

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[13] C

[51] **Int.Cl. A61K 39/09 (2006.01) A61P 31/04 (2006.01)**  
[25] EN  
[54] **VACCINE FORMULATIONS COMPRISING 2-PHENOXYETHANOL**  
[54] **FORMULATIONS VACCINALES CONTENANT DU 2-PHENOXYETHANOL**  
[72] KHANDKE, LAKSHMI, US  
[72] RASHIDBAIGI, ABBAS, US  
[73] WYETH LLC, US  
[85] 2012-11-16  
[86] 2011-05-25 (PCT/IB2011/052275)  
[87] (WO2011/151760)  
[30] US (61/351,804) 2010-06-04

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[13] C

[51] **Int.Cl. C01B 25/45 (2006.01) H01M 4/136 (2010.01) H01M 4/1397 (2010.01) H01M 10/052 (2010.01) C04B 35/447 (2006.01) C04B 35/626 (2006.01) C04B 35/628 (2006.01) H01M 4/58 (2010.01)**  
[25] EN  
[54] **COMPOSITE MATERIAL CONTAINING A MIXED LITHIUM METAL PHOSPHATE**  
[54] **MATERIAU COMPOSITE CARBONE/PHOSPHATE DE METAL DE TRANSITION LITHIE A FAIBLE TENEUR EN CARBONE**  
[72] NUSPL, GERHARD, DE  
[72] TRAN, NICOLAS, DE  
[72] VOGLER, CHRISTIAN, DE  
[72] STINNER, CHRISTOPH, DE  
[73] JOHNSON MATTHEY PLC., GB  
[85] 2012-11-23  
[86] 2011-05-26 (PCT/EP2011/058626)  
[87] (WO2011/147907)  
[30] DE (102010021804.9) 2010-05-27

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[11] **2,802,458**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01) G06F 13/00 (2006.01)**  
[25] EN  
[54] **SYNCHRONIZING ENDPOINT DATA STORES HAVING DISPARATE SCHEMAS**  
[54] **MAGASINS DE DONNEES DE POINT D'EXTREMITE DE SYNCHRONISATION AYANT DES SCHEMAS DISPARATES**  
[72] WYATT, DEREK QUINN, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2802458)  
[87] (2802458)  
[22] 2013-01-16  
[30] US (13/354,493) 2012-01-20

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[11] **2,802,949**  
[13] C

[51] **Int.Cl. B07B 1/04 (2006.01) B03B 4/06 (2006.01) B07B 4/08 (2006.01)**  
[25] EN  
[54] **SCREENING DEVICE AND METHOD OF SCREENING**  
[54] **DISPOSITIF DE CRIBLAGE ET PROCEDE DE CRIBLAGE**  
[72] SORHUUS, ANDERS KENNETH, NO  
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  
[85] 2012-12-17  
[86] 2011-06-28 (PCT/IB2011/001512)  
[87] (WO2012/001491)  
[30] EP (10167888.6) 2010-06-30

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[13] C

[51] **Int.Cl. F04B 17/05 (2006.01) F04B 39/00 (2006.01) F04D 29/66 (2006.01) F16F 15/02 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR REDUCING VIBRATION IN A FLUID PUMP**  
[54] **SYSTEME ET PROCEDE POUR LA REDUCTION DES VIBRATIONS DANS UNE POMPE A FLUIDE**  
[72] AYYAD, MARK M., SG  
[72] VELAYUTHAM, SARAVANAN, SG  
[72] THANGAVELU, BALAMURUGAN, IN  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2012-12-18  
[86] 2011-06-24 (PCT/IB2011/052787)  
[87] (WO2011/161654)  
[30] US (61/398,493) 2010-06-25

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[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 1/00 (2006.01) A61P 3/10 (2006.01) A61P 7/02 (2006.01) A61P 9/00 (2006.01) A61P 9/12 (2006.01) A61P 11/06 (2006.01) A61P 15/10 (2006.01)**

[25] EN

[54] **COMPOUND FOR INHIBITING TYPE 5 PHOSPHODIESTERASE AND PREPARATION METHOD THEREOF**

[54] **COMPOSE INHIBITEUR DE LA PHOSPHODIESTERASE DE TYPE 5 ET METHODE POUR SA PREPARATION**

[72] ZHANG, NAN, CN  
[72] ZHONG, RONG, CN  
[73] ZHONG, RONG, CN  
[73] ZHANG, NAN, CN  
[73] SUZHOU MAIDIXIAN PHARMACEUTICAL INC., CN  
[73] BANGHE PHARMACEUTICAL CO., LTD., CN

[85] 2012-12-21  
[86] 2010-07-30 (PCT/CN2010/075587)  
[87] (WO2012/000212)  
[30] CN (201010221658.7) 2010-07-02

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[11] **2,803,911**  
[13] C

[51] **Int.Cl. G01H 15/00 (2006.01) G10K 11/32 (2006.01)**

[25] EN

[54] **METHODS OF ESTIMATING SOUND TRANSMISSION AND ACOUSTIC LEAKAGE OF AN OBJECT**

[54] **PROCEDES D'ESTIMATION DE LA TRANSMISSION SONORE ET DE LA FUITE ACOUSTIQUE D'UN OBJET**

[72] SCHNITTA, BONNIE S., US  
[72] ISRAEL, MASON A., US  
[73] SCHNITTA, BONNIE S., US  
[73] ISRAEL, MASON A., US

[86] (2803911)  
[87] (2803911)  
[22] 2004-06-18  
[62] 2,529,747  
[30] US (60/479,189) 2003-06-18  
[30] US (10/682,914) 2003-10-14

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[11] **2,804,230**  
[13] C

[51] **Int.Cl. G06F 17/30 (2006.01) G06K 9/00 (2006.01) G06K 9/72 (2006.01)**

[25] EN

[54] **A COMPUTER-IMPLEMENTED METHOD, A COMPUTER PROGRAM PRODUCT AND A COMPUTER SYSTEM FOR IMAGE PROCESSING**

[54] **PROCEDE MIS EN OEUVRE PAR ORDINATEUR, PRODUIT PROGRAMME INFORMATIQUE ET SYSTEME INFORMATIQUE POUR TRAITER UNE IMAGE**

[72] CAPUOZZO, GIUSEPPE, IT  
[72] BORGHINI, MARCO, IT  
[72] MAMMOLITI, FABIO, IT  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE

[85] 2012-12-31  
[86] 2011-06-30 (PCT/EP2011/003235)  
[87] (WO2012/000675)  
[30] EP (10425225.9) 2010-07-02

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[11] **2,804,695**  
[13] C

[51] **Int.Cl. F42D 1/04 (2006.01) F42B 3/12 (2006.01) F42C 11/06 (2006.01)**

[25] EN

[54] **TIMING MODULE**

[54] **MODULE DE TEMPORISATION**

[72] SCHLENTER, CRAIG CHARLES, ZA  
[72] BIRKIN, CHRISTOPHER MALCOLM, ZA  
[72] KOEKEMOER, ANDRE, ZA  
[72] LABUSCHAGNE, ALBERTUS ABRAHAM, ZA  
[72] HARDING, DAVID BRUCE, ZA  
[73] DETNET SOUTH AFRICA (PTY) LTD, ZA

[85] 2013-01-07  
[86] 2011-07-05 (PCT/ZA2011/000043)  
[87] (WO2012/009732)  
[30] ZA (2010/04911) 2010-07-12

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[11] **2,804,826**  
[13] C

[51] **Int.Cl. C09D 5/08 (2006.01)**

[25] EN

[54] **CORROSION INHIBITING COATING BASED ON CERIUM OXIDE AND A CATECHOLIC POLYMER**

[54] **REVETEMENT ANTI-CORROSION A BASE D'OXYDE DE CERIUM ET D'UN POLYMERE CATHECHOLIQUE**

[72] SABABI, MAJID, SE  
[72] ZHANG, FAN, SE  
[72] PAN, JINSHAN, SE  
[72] CLAESON, PER, SE  
[72] DEDINAITE, ANDRA, SE  
[72] KRIVOSHEEVA, OLGA, SE  
[73] BIOPOLYMER TECHNOLOGY OF SWEDEN AB, SE

[85] 2013-01-09  
[86] 2011-05-02 (PCT/EP2011/056940)  
[87] (WO2012/007199)  
[30] SE (1050806-7) 2010-07-16  
[30] US (61/365,487) 2010-07-19

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[11] **2,805,520**  
[13] C

[51] **Int.Cl. A41D 13/12 (2006.01) A41H 43/00 (2006.01) A41H 43/04 (2006.01)**

[25] EN

[54] **GARMENTS FOR HEALTHCARE WORKERS**

[54] **VETEMENTS POUR TRAVAILLEURS DE LA SANTE**

[72] WALRICH, JENNIFER A., US  
[72] CHANG, MYMA, US  
[73] MEDLINE INDUSTRIES, INC., US

[86] (2805520)  
[87] (2805520)  
[22] 2013-02-11  
[30] US (13/370,179) 2012-02-09

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[11] **2,805,524**  
[13] C

[51] **Int.Cl. B01D 17/02 (2006.01) C10G 33/08 (2006.01) E03F 5/16 (2006.01) G01N 29/024 (2006.01) G01N 33/28 (2006.01)**

[25] EN

[54] **SOUND-VELOCITY DEWATERING SYSTEM**

[54] **SYSTEME DE DESHYDRATATION AVEC SUIVI DE LA VITESSE DU SON**

[72] AL-SAHAN, FAWAZ A., SA

[72] AL-ZAYED, OMAR Z., SA

[73] SAUDI ARABIAN OIL COMPANY, SA

[85] 2013-01-15

[86] 2011-07-13 (PCT/US2011/043796)

[87] (WO2012/012232)

[30] US (12/841,690) 2010-07-22

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[11] **2,806,265**  
[13] C

[51] **Int.Cl. C11D 1/66 (2006.01) C11D 1/83 (2006.01)**

[25] EN

[54] **METHOD FOR HAND WASHING DISHES HAVING LONG LASTING SUDS**

[54] **PROCEDE DE LAVAGE MANUEL DE LA VAISSELLE AVEC MOUSSE DE LONGUE DUREE**

[72] BRAECKMAN, KARL GHISLAIN, BE

[72] EL, IDRISSE IKRAM, BE

[72] RANDHAWA, ASHMITA, BE

[72] SI, GANG, CN

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2013-01-22

[86] 2010-08-17 (PCT/CN2010/001241)

[87] (WO2012/022008)

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[11] **2,806,354**  
[13] C

[51] **Int.Cl. H02K 33/16 (2006.01) A61C 17/34 (2006.01)**

[25] EN

[54] **HANDLE SECTION OF A SMALL ELECTRIC DEVICE AND SMALL ELECTRIC DEVICE**

[54] **SECTION FORMANT POIGNEE D'UN PETIT DISPOSITIF ELECTRIQUE ET PETIT DISPOSITIF ELECTRIQUE**

[72] UTSCH, JOERN, DE

[72] SCHOBER, UWE, DE

[72] ZIEGLER, FRANK, DE

[72] SCHAEFER, ROBERT, DE

[73] BRAUN GMBH, DE

[85] 2013-01-23

[86] 2011-07-25 (PCT/IB2011/053317)

[87] (WO2012/011088)

[30] EP (10007716.3) 2010-07-23

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[11] **2,806,426**  
[13] C

[51] **Int.Cl. F15B 13/06 (2006.01)**

[25] EN

[54] **HYDRAULIC TOOL CONTROL WITH ELECTRONICALLY ADJUSTABLE FLOW**

[54] **DISPOSITIF DE COMMANDE D'OUTIL HYDRAULIQUE A DEBIT ELECTRONIQUEMENT REGLABLE**

[72] PETERS, MARK EDWIN, US

[72] RENNER, ROSS, US

[73] ILLINOIS TOOL WORKS INC., US

[85] 2013-01-23

[86] 2011-07-26 (PCT/US2011/045423)

[87] (WO2012/015847)

[30] US (61/368,383) 2010-07-28

[30] US (61/368,375) 2010-07-28

[30] US (61/368,369) 2010-07-28

[30] US (61/368,362) 2010-07-28

[30] US (13/189,394) 2011-07-22

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[11] **2,806,568**  
[13] C

[51] **Int.Cl. F15B 11/16 (2006.01)**

[25] EN

[54] **PRIME MOVER CONTROL SYSTEM WITH LOAD FEEDBACK FOR A HYDRAULIC PUMP POWERING HYDRAULIC TOOLS**

[54] **SYSTEME DE COMMANDE DE MACHINE MOTRICE A RETROACTION DE CHARGE POUR POMPE HYDRAULIQUE ACTIONNANT DES OUTILS HYDRAULIQUES**

[72] PETERS, MARK EDWIN, US

[72] RENNER, ROSS, US

[73] ILLINOIS TOOL WORKS INC., US

[85] 2013-01-24

[86] 2011-07-26 (PCT/US2011/045417)

[87] (WO2012/015842)

[30] US (61/368,383) 2010-07-28

[30] US (61/368,375) 2010-07-28

[30] US (61/368,369) 2010-07-28

[30] US (61/368,362) 2010-07-28

[30] US (13/189,341) 2011-07-22

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[11] **2,807,506**  
[13] C

[51] **Int.Cl. B23P 19/00 (2006.01) B21D 39/04 (2006.01) B23P 19/02 (2006.01) F16L 1/032 (2006.01) F16L 1/038 (2006.01) F16L 1/12 (2006.01)**

[25] EN

[54] **A PIPELINE INSERTION SYSTEM**

[54] **SYSTEME D'INSERTION DE CANALISATION**

[72] FARLEY, E. RAY, US

[72] BACK, BENJAMIN, US

[73] BRASFOND USA CORP., US

[85] 2013-01-05

[86] 2011-05-27 (PCT/US2011/038356)

[87] (WO2011/150341)

[30] US (61/349,759) 2010-05-28

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[11] **2,808,054**  
[13] C

[51] **Int.Cl. G01S 17/10 (2006.01)**

[25] EN

[54] **DISTANCE MEASURING DEVICE**

[54] **DISPOSITIF DE MESURE DE DISTANCE**

[72] GIACOTTO, LUCA, CH

[72] TINIVELLA, RICCARDO, CH

[73] VECTRONIX AG, CH

[86] (2808054)

[87] (2808054)

[22] 2013-03-05

[30] EP (12158382.7) 2012-03-07

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[11] **2,808,121**  
[13] C

[51] **Int.Cl. B62K 25/02 (2006.01) B60B 27/02 (2006.01)**  
[25] EN  
[54] **VARIABLE DEVICE FOR VARYING CENTRAL AXIS OF WHEEL**  
[54] **DISPOSITIF VARIABLE PERMETTANT DE VARIER L'AXE CENTRAL D'UNE ROUE**  
[72] KIM, MAN SEOB, KR  
[73] KIM, MAN SEOB, KR  
[85] 2013-01-17  
[86] 2011-07-08 (PCT/KR2011/005035)  
[87] (WO2012/011692)  
[30] KR (10-2010-0069988) 2010-07-20

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[11] **2,808,723**  
[13] C

[51] **Int.Cl. E21B 36/04 (2006.01) E21B 43/24 (2006.01)**  
[25] EN  
[54] **ELECTRICAL HEATING METHOD FOR A HYDROCARBON FORMATION, AND IMPROVED THERMAL RECOVERY METHOD USING ELECTRICAL PRE-HEATING METHOD**  
[54] **PROCEDE DE CHAUFFAGE ELECTRIQUE POUR UNE FORMATION D'HYDROCARBURE ET PROCEDE DE RECUPERATION THERMIQUE AMELIORE UTILISANT UN PROCEDE DE PRECHAUFFAGE ELECTRIQUE**  
[72] WOLLEN, CODY, CA  
[73] HUSKY OIL OPERATIONS LIMITED, CA  
[86] (2808723)  
[87] (2808723)  
[22] 2013-03-04

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[11] **2,809,037**  
[13] C

[51] **Int.Cl. G06F 17/21 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR ANNOTATING ELECTRONIC DOCUMENTS**  
[54] **PROCEDES ET SYSTEMES PERMETTANT L'ANNOTATION DE DOCUMENTS ELECTRONIQUES**  
[72] EDALA, NARASIMHA R., US  
[72] LORITZ, DONALD, US  
[72] EDALA, SRINIVAS, US  
[72] SIMPSON, PATRICK, US  
[73] LEXISNEXIS, A DIVISION OF REED ELSEVIER INC., US  
[85] 2013-02-20  
[86] 2011-08-31 (PCT/US2011/049956)  
[87] (WO2012/030954)  
[30] US (12/874,313) 2010-09-02

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[11] **2,810,050**  
[13] C

[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01)**  
[25] EN  
[54] **DOWNLIGHT FIXTURES**  
[54] **APPAREILS D'ECLAIRAGE A FLUX DIRIGE VERS LE BAS**  
[72] CLIFTON, DAVID WILEY, US  
[72] BELL, LARRY MICHAEL, US  
[72] KRUSE, GLEN ANDREW, US  
[72] GROVE, DOUGLAS DEWAYNE, US  
[72] RODRIGUES, YAN, US  
[73] ABL IP HOLDING LLC, US  
[86] (2810050)  
[87] (2810050)  
[22] 2013-03-19  
[30] US (61/685,924) 2012-03-27

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[11] **2,810,889**  
[13] C

[51] **Int.Cl. B64C 27/82 (2006.01) B64C 11/00 (2006.01) F01D 5/10 (2006.01)**  
[25] EN  
[54] **COUNTER-TORQUE DEVICE FOR A HELICOPTER**  
[54] **DISPOSITIF ANTICOUPLÉ POUR HELICOPTERE**  
[72] KEBRLE, JOHN M., US  
[72] ANDREWS, JAMES R., US  
[72] DAW, JUSTIN, US  
[72] HURDLE, JIM, US  
[72] SHERRILL, PAUL, US  
[72] NARRAMORE, JIM C., US  
[72] XUE, SIDNEY, US  
[72] HOLLIMON, CHARLES, US  
[72] SMITH, DUDLEY, US  
[72] DOCKER, BRYCE, US  
[72] BRIEGER, JOHN T., US  
[73] BELL HELICOPTER TEXTRON INC., US  
[86] (2810889)  
[87] (2810889)  
[22] 2005-07-15  
[62] 2,574,108  
[30] US (60/588,366) 2004-07-16  
[30] US (60/588,367) 2004-07-16  
[30] US (60/588,375) 2004-07-16  
[30] US (60,588,376) 2004-07-16  
[30] US (60/588,377) 2004-07-16

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[11] **2,810,943**  
[13] C

[51] **Int.Cl. F21V 17/10 (2006.01) F21V 31/00 (2006.01) H01R 33/76 (2006.01) B01J 19/12 (2006.01) C02F 1/30 (2006.01) C02F 1/32 (2006.01)**  
[25] EN  
[54] **RADIATION SOURCE ASSEMBLY**  
[54] **ENSEMBLE SOURCE DE RAYONNEMENT**  
[72] MOGLAN, CRISTIAN, CA  
[72] SHECULSKI, CHRISTOPHER, CA  
[73] TROJAN TECHNOLOGIES, CA  
[85] 2013-03-08  
[86] 2011-09-12 (PCT/CA2011/001025)  
[87] (WO2012/037644)  
[30] US (61/344,680) 2010-09-10

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[11] **2,811,179**  
[13] C

[51] **Int.Cl. A01K 1/03 (2006.01) A01K 1/035 (2006.01) A01K 13/00 (2006.01)**  
[25] EN  
[54] **MOBILE CALF CARE STATION**  
[54] **POSTE DE SOINS MOBILE POUR VEAUX**  
[72] NAGELY, ARNOLD G., US  
[73] NAGELY, ARNOLD G., US  
[85] 2013-03-12  
[86] 2011-09-07 (PCT/US2011/050679)  
[87] (WO2012/036951)  
[30] US (12/880,585) 2010-09-13

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[11] **2,812,590**  
[13] C

[51] **Int.Cl. H02J 9/04 (2006.01) G06F 1/30 (2006.01) H02J 3/38 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR ESTABLISHING A POWER FEED TO SYSTEMS DURING OPERATION**  
[54] **PROCEDE ET SYSTEME D'ETABLISSEMENT D'UNE ALIMENTATION ELECTRIQUE A DES SYSTEMES PENDANT LEUR FONCTIONNEMENT**  
[72] MORALES, OSVALDO P., US  
[72] MCCULLOCH, ROBIN, US  
[72] HUGHES, PAT, US  
[73] AMAZON TECHNOLOGIES, INC., US  
[85] 2013-03-25  
[86] 2011-09-12 (PCT/US2011/051273)  
[87] (WO2012/047453)  
[30] US (12/892,750) 2010-09-28

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[11] **2,813,622**  
[13] C

[51] **Int.Cl. C09D 11/34 (2014.01) C09D 11/38 (2014.01)**  
[25] EN  
[54] **PHASE CHANGE INK COMPOSITIONS COMPRISING DIURETHANES AS AMORPHOUS MATERIALS**  
[54] **COMPOSITIONS D'ENCRE A CHANGEMENT DE PHASE COMPORTANT DES DIURETHANES EN TANT QUE MATERIAUX AMORPHES**  
[72] CHOPRA, NAVEEN, CA  
[72] BANNING, JEFFREY H., US  
[72] DRAPPEL, STEPHAN V., CA  
[72] BELELIE, JENNIFER L., CA  
[72] IFTIME, GABRIEL, CA  
[72] MORIMITSU, KENTARO, CA  
[72] ODELL, PETER G., CA  
[73] XEROX CORPORATION, US  
[86] (2813622)  
[87] (2813622)  
[22] 2013-04-19  
[30] US (13/457,068) 2012-04-26

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[11] **2,813,732**  
[13] C

[51] **Int.Cl. E21B 19/00 (2006.01) E21B 17/01 (2006.01)**  
[25] EN  
[54] **REMOTE OPERATION OF A ROTATING CONTROL DEVICE BEARING CLAMP**  
[54] **FONCTIONNEMENT A DISTANCE D'UNE PINCE DE SUPPORT DE DISPOSITIF DE COMMANDE ROTATIF**  
[72] GODFREY, CRAIG W., US  
[72] ANTONENKO, PETER, MY  
[72] SKINNER, NEAL G., US  
[72] CURTIS, FREDRICK D., US  
[72] LEWIS, DERRICK W., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2013-04-04  
[86] 2010-11-20 (PCT/US2010/057540)  
[87] (WO2012/067628)

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[11] **2,814,613**  
[13] C

[51] **Int.Cl. C12N 15/35 (2006.01) C07K 14/015 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/864 (2006.01) C12Q 1/70 (2006.01) C40B 40/02 (2006.01) G06F 19/14 (2011.01)**  
[25] EN  
[54] **ADENO-ASSOCIATED VIRUS (AAV) CLADES, SEQUENCES, VECTORS CONTAINING SAME, AND USES THEREFOR**  
[54] **VARIANTES DES VIRUS ASSOCIES AUX ADENOVIRUS (AAV), SEQUENCES, VECTEURS LES CONTENANT, ET LEUR UTILISATION**  
[72] WILSON, JAMES M., US  
[72] GAO, GUANGPING, US  
[72] ALVIRA, MAURICIO R., US  
[72] VANDENBERGHE, LUC H., US  
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[86] (2814613)  
[87] (2814613)  
[22] 2004-09-30  
[62] 2,537,793  
[30] US (60/508,226) 2003-09-30  
[30] US (60/566,546) 2004-04-29

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[11] **2,816,673**  
[13] C

[51] **Int.Cl. H04N 21/4627 (2011.01) H04N 21/426 (2011.01) G06F 21/10 (2013.01)**  
[25] EN  
[54] **TRACKING ACTIVATION OF LICENSABLE COMPONENT IN AUDIO VIDEO DEVICE BY UNIQUE PRODUCT IDENTIFICATION**  
[54] **ACTIVATION DE SUIVI DE COMPOSANT LICENCIABLE DANS UN DISPOSITIF AUDIO-VIDEO PAR UNE IDENTIFICATION DE PRODUIT UNIQUE**  
[72] SHINTANI, PETER, US  
[73] SONY CORPORATION, JP  
[85] 2013-05-01  
[86] 2011-08-04 (PCT/US2011/046565)  
[87] (WO2012/064388)  
[30] US (61/412,552) 2010-11-11  
[30] US (12/970,215) 2010-12-16  
[30] US (13/048,981) 2011-03-16

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[11] **2,818,190**  
[13] C

[51] **Int.Cl. G01F 25/00 (2006.01)**  
[25] EN  
[54] **FLOW METER AND METHOD FOR DETECTING A CABLE FAULT IN A CABLING OF THE FLOW METER**  
[54] **DEBITMETRE ET PROCEDE DE DETECTION D'UN DEFAUT DE CABLE DANS LE CABLAGE DU DEBITMETRE**  
[72] HAYS, PAUL J., US  
[72] MCANALLY, CRAIG B., US  
[73] MICRO MOTION, INC., US  
[86] (2818190)  
[87] (2818190)  
[22] 2006-02-27  
[62] 2,770,476

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[11] **2,818,270**  
[13] C

[51] **Int.Cl. B22D 19/02 (2006.01) F04B 53/00 (2006.01)**  
[25] EN  
[54] **CARBON FOAM METAL MATRIX COMPOSITE AND MUD PUMP EMPLOYING SAME**  
[54] **MATRICE METALLIQUE COMPOSITE A MOUSSE DE CARBONE ET POMPE A BOUE L'EMPLOYANT**  
[72] MARICA, ADRIAN, US  
[72] KONDO, KENNETH S., US  
[73] NATIONAL OILWELL VARCO, L.P., US  
[86] (2818270)  
[87] (2818270)  
[22] 2013-06-10  
[30] US (13/493,163) 2012-06-11

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[11] **2,818,362**  
[13] C

[51] **Int.Cl. G06T 3/40 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR SCALING VECTOR-BASED GRAPHIC DESIGNS**  
[54] **SYSTEME ET PROCEDE DE MISE A L'EHELLE DE CONCEPTIONS GRAPHIQUES A BASE DE VECTEURS**  
[72] SUCHOMEL, PETR, US  
[73] BLACKBERRY LIMITED, CA  
[86] (2818362)  
[87] (2818362)  
[22] 2013-06-07  
[30] US (13/523,494) 2012-06-14

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[11] **2,819,627**  
[13] C

[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/124 (2006.01) E21B 43/12 (2006.01)**  
[25] EN  
[54] **WELLBORE APPARATUS AND METHODS FOR ZONAL ISOLATION AND FLOW CONTROL**  
[54] **APPAREIL DE FORAGE DE Puits ET PROCEDES POUR ISOLATION ZONALE ET COMMANDE D'ECOULEMENT**  
[72] HECKER, MICHAEL T., US  
[72] BARRY, MICHAEL D., US  
[72] STEVENS, PETRUS A.J., ES  
[72] HOWELL, DAVID A., US  
[72] YEH, CHARLES S., US  
[72] MACLEOD, IAIN M., GB  
[72] MERCER, LEE, GB  
[72] REID, STEPHEN, GB  
[72] ELRICK, ANDREW J., GB  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2013-05-31  
[86] 2011-12-06 (PCT/US2011/063356)  
[87] (WO2012/082447)  
[30] US (61/424,427) 2010-12-17  
[30] US (61/482,788) 2011-05-05  
[30] US (61/561,116) 2011-11-17

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[11] **2,820,436**  
[13] C

[51] **Int.Cl. H04W 24/06 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS OF CROSS-CORRELATION WITH APPLICATION TO CHANNEL ESTIMATION AND DETECTION**  
[54] **PROCEDE ET APPAREIL DE CORRELATION CROISEE AVEC APPLICATION D'ESTIMATION DE CANAL ET DE DETECTION**  
[72] WU, HUAN, CA  
[72] XIN, YAN, CA  
[72] QU, SHOUXING, CA  
[72] SHEYNMAN, ARNOLD, US  
[73] BLACKBERRY LIMITED, CA  
[86] (2820436)  
[87] (2820436)  
[22] 2013-06-19  
[30] US (13/537,455) 2012-06-29

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[11] **2,820,912**  
[13] C

[51] **Int.Cl. G06F 1/16 (2006.01) H04B 10/80 (2013.01) G06F 13/00 (2006.01)**  
[25] EN  
[54] **DOCK FOR A PORTABLE ELECTRONIC DEVICE**  
[54] **STATION D'ACCUEIL POUR DISPOSITIF ELECTRONIQUE PORTATIF**  
[72] ALDANA, LEONARDO, CA  
[72] LAMM, MARK PETER, CA  
[72] KIMBRELL, JACOB WARREN, US  
[73] BLACKBERRY LIMITED, CA  
[86] (2820912)  
[87] (2820912)  
[22] 2013-07-09  
[30] EP (12184139.9) 2012-09-12

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[11] **2,820,997**  
[13] C

[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/01 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR REMOVING OR REPLACING ON-KEYBOARD PREDICTION CANDIDATES**  
[54] **METHODES ET SYSTEMES POUR RETIRER OU REMPLACER DES CANDIDATS DE PREDICTION SUR UN CLAVIER**  
[72] PASQUERO, JEROME, CA  
[72] PINHEIRO, GIL, CA  
[72] MCKENZIE, DONALD SOMERSET MCCULLOCH, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2820997)  
[87] (2820997)  
[22] 2013-07-12  
[30] EP (12176453.4) 2012-07-13

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[11] **2,821,038**  
[13] C

[51] **Int.Cl. B24D 3/00 (2006.01) B24D 5/00 (2006.01) B24D 5/06 (2006.01) B24D 7/06 (2006.01) B24D 11/00 (2006.01) B26D 1/143 (2006.01)**

[25] EN

[54] **A SLOT WEAR INDICATOR FOR A GRINDING TOOL**

[54] **INDICATEUR D'USURE DE TYPE FENTE POUR OUTIL DE MEULAGE**

[72] HOANG, MARC, FR

[72] MARTIN, RODOLPHE, LU

[73] SAINT-GOBAIN ABRASIVES, INC., US

[73] SAINT-GOBAIN ABRASIFS, FR

[85] 2013-06-10

[86] 2010-12-16 (PCT/US2010/060791)

[87] (WO2011/029106)

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[11] **2,822,142**  
[13] C

[51] **Int.Cl. A46B 5/00 (2006.01) A46D 3/00 (2006.01)**

[25] EN

[54] **ORAL CARE IMPLEMENT**

[54] **INSTRUMENT POUR SOINS BUCCAUX**

[72] XI, WENJIN, CN

[72] LIU, YU, CN

[72] ZHOU, JIANRONG, CN

[73] COLGATE-PALMOLIVE COMPANY, US

[85] 2013-06-18

[86] 2010-12-21 (PCT/CN2010/002111)

[87] (WO2012/083491)

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[11] **2,822,175**  
[13] C

[51] **Int.Cl. A61M 5/36 (2006.01) G01N 15/00 (2006.01)**

[25] EN

[54] **FLOW CONTROL AND GAS DETECTION AND GAS REMOVAL IN AN INTRAVENOUS FLUID DELIVERY SYSTEM**

[54] **REGULATION DE L'ECOULEMENT, DETECTION DU GAZ ET EXTRACTION DU GAZ PRESENT DANS UN SYSTEME D'ADMINISTRATION DE FLUIDE INTRAVEINEUX**

[72] CASSIDY, DAVID E., US

[72] MAY, ERIC, US

[72] BUCCIANERI, RICHARD, US

[73] VITAL SIGNS, INC., US

[86] (2822175)

[87] (2822175)

[22] 2005-05-27

[62] 2,567,860

[30] US (60/575,246) 2004-05-28

[30] US (60/576,258) 2004-06-02

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[11] **2,822,196**  
[13] C

[51] **Int.Cl. C01D 15/02 (2006.01)**

[25] EN

[54] **DUST-FREE GRADE LITHIUM HYDROXIDE MONOHYDRATE AND ITS PREPARATION METHOD**

[54] **MONOHYDRATE D'HYDROXYDE DE LITHIUM EXEMPT DE POUSSIERE, ET SON PROCEDE DE PREPARATION**

[72] YAO, KAILIN, CN

[72] JIN, PENG, CN

[72] HUO, LIMING, CN

[72] HE, DONGLI, CN

[72] HE, KAIMAO, CN

[72] PENG, ZONGHUI, CN

[72] TU, MINGJIANG, CN

[72] YANG, LIU, CN

[72] JIANG, HUCHENG, CN

[73] TIANQI LITHIUM CORPORATION, CN

[85] 2013-06-17

[86] 2011-07-08 (PCT/CN2011/076973)

[87] (WO2012/083677)

[30] CN (201010602894.3) 2010-12-23

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[11] **2,822,211**  
[13] C

[51] **Int.Cl. E21B 43/00 (2006.01) E21B 17/18 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR ADVANCED WELL ACCESS TO SUBTERRANEAN FORMATIONS**

[54] **SYSTEMES ET PROCEDES POUR ACCES A DES FORMATIONS SOUTERRAINES PAR Puits AVANCE**

[72] DALE, BRUCE A., US

[72] ENTCHEV, PAVLIN B., US

[72] KELLER, STUART R., US

[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US

[85] 2013-06-18

[86] 2011-11-11 (PCT/US2011/060403)

[87] (WO2012/106020)

[30] US (61/438,099) 2011-01-31

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[11] **2,822,361**  
[13] C

[51] **Int.Cl. E21B 47/10 (2012.01) E21B 47/107 (2012.01) G01V 1/40 (2006.01) G01V 3/18 (2006.01) G01V 9/00 (2006.01)**

[25] EN

[54] **ELECTRICAL METHODS FRACTURE DETECTION VIA 4D TECHNIQUES**

[54] **DETECTION DE FRACTURE DE PROCEDES ELECTRIQUES VIA DES TECHNIQUES 4D**

[72] EICK, PETER M., US

[72] BREWER, JOEL D., US

[72] JANISZEWSKI, FRANK D., US

[73] CONOCOPHILLIPS COMPANY, US

[85] 2013-06-19

[86] 2011-12-12 (PCT/US2011/064465)

[87] (WO2012/102795)

[30] US (61/423,425) 2010-12-15

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[11] **2,822,961**  
[13] C

[51] **Int.Cl. B25B 23/00 (2006.01)**

[25] EN

[54] **TELESCOPING EXTENSION TOOL**

[54] **OUTIL A RALLONGE TELESCOPIQUE**

[72] AHRENS, LARRY C., US

[73] AHRENS, LARRY C., US

[85] 2013-06-25

[86] 2012-01-04 (PCT/US2012/000004)

[87] (WO2012/096795)

[30] US (12/930,650) 2011-01-13

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October 18, 2016**

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[11] **2,823,407**  
[13] C

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/24 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **TOPICAL FORMULATIONS HAVING ENHANCED BIOAVAILABILITY**

[54] **FORMULATIONS TOPIQUES AYANT UNE BIODISPONIBILITE AMPLIFIEE**

[72] MCCOOK, JOHN PATRICK, US  
[72] NARAIN, NIVEN RAJIN, US  
[72] PERSAUD, INDUSHEKHAR, US  
[73] BERG LLC, US  
[86] (2823407)  
[87] (2823407)  
[22] 2008-03-21  
[62] 2,680,825  
[30] US (60/919,554) 2007-03-22

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[11] **2,824,165**  
[13] C

[51] **Int.Cl. G06Q 30/00 (2012.01) G06F 3/0481 (2013.01)**

[25] EN

[54] **VIRTUAL PACKAGING AND ELECTRONIC GIFTING SYSTEM AND METHODOLOGY**

[54] **EMBALLAGE VIRTUEL ET SYSTEME ET METHODE D'OFFRE DE CADEAUX PAR ORDINATEUR**

[72] SORENSEN, KIM, CA  
[72] HETHERINGTON, GWEN, CA  
[72] THIELE, RON, CA  
[72] WALD, DAVID, CA  
[72] MULATZ, CURTIS C., CA  
[73] SCANAVO NORTH AMERICA LTD., CA  
[86] (2824165)  
[87] (2824165)  
[22] 2013-08-22  
[30] US (61/691,881) 2012-08-22

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[11] **2,825,126**  
[13] C

[51] **Int.Cl. B64G 1/40 (2006.01) B64G 1/26 (2006.01) F03H 1/00 (2006.01)**

[25] EN

[54] **ROTARY SWITCH ASSEMBLY FOR ION PROPULSION SYSTEM**

[54] **ENSEMBLE INTERRUPTEUR ROTATIF POUR SYSTEME DE PROPULSION A IONS**

[72] STICKELMAIER, JOHN F., US  
[72] ZIAVRAS, JOHN, US  
[72] PERKINS, JULIE MARIE, US  
[72] KREINER, KURT B., US  
[72] CAPLIN, GLENN N., US  
[72] SMITH, BRIAN K., US  
[72] LAUENSTEIN, PETER S., US  
[73] THE BOEING COMPANY, US  
[86] (2825126)  
[87] (2825126)  
[22] 2013-08-26  
[30] US (13/683,688) 2012-11-21

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[11] **2,825,207**  
[13] C

[51] **Int.Cl. A23L 19/00 (2016.01) A23L 29/30 (2016.01) A23L 33/125 (2016.01) A23G 3/48 (2006.01) A23G 9/34 (2006.01) A23G 9/42 (2006.01) A23L 2/02 (2006.01) A23L 2/52 (2006.01)**

[25] EN

[54] **PUREE COMPOSITIONS HAVING SPECIFIC CARBOHYDRATE RATIOS AND METHODS FOR USING SAME**

[54] **COMPOSITIONS POUR PUREE AYANT DES TAUX D'HYDRATES DE CARBONE SPECIFIQUES ET PROCEDES D'UTILISATION DE CELLES-CI**

[72] SAVANT, VIVEK DILIP, US  
[72] HAILE, TEFALIDET, CH  
[72] JIMENEZ, FRANK CRAIG, US  
[72] BOICE, CYNTHIA MARIE, US  
[72] WELSH, KARLYN ROSS, US  
[72] ZALTAS, ERIC SCOTT, US  
[72] GUAN, JUNJIE, US  
[72] REAVLIN, LISA DIANE, US  
[73] PREMIER NUTRITION CORPORATION, US  
[85] 2013-08-19  
[86] 2013-01-03 (PCT/IB2013/050071)  
[87] (WO2013/167980)  
[30] US (61/643,371) 2012-05-07  
[30] US (61/645,808) 2012-05-11  
[30] US (61/650,817) 2012-05-23  
[30] US (61/697,903) 2012-09-07  
[30] US (61/716,012) 2012-10-19

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[11] **2,825,675**  
[13] C

[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/17 (2006.01)**

[25] EN

[54] **ROTARY MILL**

[54] **BROYEUR ROTATIF**

[72] GOODFELLOW, JOHN (DECEASED), GB  
[72] MURRAY, DAVID WYCLIFFE, GB  
[72] DODD, CHRISTOPHER, GB  
[72] O'CONNOR, JOHN, GB  
[72] ALINEJAD, MONA, GB  
[72] LLOYD, RUSSELL, GB  
[72] RIDLEY, DUNCAN ANDREW, GB  
[73] BIOMET UK HEALTHCARE LIMITED, GB  
[73] OXFORD JOINT ANALYSIS LTD, GB  
[73] MURRAY, DAVID WYCLIFFE, GB  
[73] HUNSLEY, COLIN, ACTING AS EXECUTOR FOR THE ESTATE OF JOHN WILLIAM GOODFELLOW, GB  
[73] DODD, CHRISTOPHER ALEXANDER, GB  
[85] 2013-07-25  
[86] 2012-01-26 (PCT/GB2012/050159)  
[87] (WO2012/101441)  
[30] GB (1101377.8) 2011-01-27

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[11] **2,825,695**  
[13] C

[51] **Int.Cl. B64C 23/00 (2006.01) B64C 1/38 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR MINIMIZING WAVE DRAG THROUGH BILATERALLY ASYMMETRIC DESIGN**

[54] **SYSTEME ET METHODE EN VUE DE DIMINUER LA TRAINEE D'ONDE A L'AIDE D'UN MODELE ASYMETRIQUE BILATERAL**

[72] PFLUG, WILLIAM, US  
[72] TILLOTSON, BRIAN J., US  
[73] THE BOEING COMPANY, US  
[86] (2825695)  
[87] (2825695)  
[22] 2013-08-27  
[30] US (13/687,483) 2012-11-28

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[11] **2,825,878**  
[13] C

[51] **Int.Cl. C07D 213/79 (2006.01) A01N 43/40 (2006.01) A01N 43/54 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **ARYLALKYL ESTERS OF 4-AMINO-6-(SUBSTITUTED PHENYL)PICOLINATES AND ITS USE AS HERBICIDES**

[54] **ESTERS D'ARYLALKYLE DE 4-AMINO-6-(PHENYLE SUBSTITUE)PICOLINATES**

[72] YERKES, CARLA N., US

[72] LOWE, CHRISTIAN T., US

[72] ECKELBARGER, JOSEPH D., US

[72] EPP, JEFFREY B., US

[72] GUENTHENSBERGER, KATHERINE A., US

[72] SIDDALL, THOMAS L., US

[72] SCHMITZER, PAUL R., US

[73] DOW AGROSCIENCES LLC, US

[85] 2013-07-25

[86] 2012-01-24 (PCT/US2012/022286)

[87] (WO2012/103042)

[30] US (61/435,925) 2011-01-25

[11] **2,827,427**  
[13] C

[51] **Int.Cl. H04W 36/00 (2009.01)**

[25] EN

[54] **UE MEASUREMENT PROCEDURE IN A HETEROGENEOUS MOBILE NETWORK**

[54] **PROCEDURE DE MESURE D'EQUIPEMENT UTILISATEUR DANS UN RESEAU MOBILE HETEROGENE**

[72] BONTU, CHANDRA, CA

[72] CAI, ZHIJUN S., US

[72] YU, YI, US

[72] SONG, YI, US

[72] FONG, MO-HAN, CA

[72] HU, ROSE, US

[73] BLACKBERRY LIMITED, CA

[85] 2013-08-14

[86] 2011-05-31 (PCT/US2011/038554)

[87] (WO2012/112184)

[30] US (61/443,389) 2011-02-16

[11] **2,828,253**  
[13] C

[51] **Int.Cl. B82Y 5/00 (2011.01) A61K 9/107 (2006.01) A61K 31/12 (2006.01) A61K 31/704 (2006.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01) B01J 13/02 (2006.01) C07K 14/425 (2006.01) C07K 17/08 (2006.01) C08J 3/02 (2006.01) C08L 89/00 (2006.01)**

[25] EN

[54] **POLYMER CONJUGATED PROTEIN MICELLES**

[54] **MICELLES DE PROTEINES CONJUGUEES A UN POLYMERE**

[72] PERUMAL, OMATHANU P., US

[72] PODARALLA, SATHEESH, US

[72] AVERINENI, RANJITH KUMAR, US

[73] SOUTH DAKOTA STATE UNIVERSITY, US

[85] 2013-08-26

[86] 2012-02-24 (PCT/US2012/026484)

[87] (WO2012/116272)

[30] US (61/446,931) 2011-02-25

[11] **2,828,327**  
[13] C

[51] **Int.Cl. G01R 11/04 (2006.01)**

[25] EN

[54] **HOT-PLUGGING CONNECTION TERMINAL FOR ELECTRICAL ENERGY METER**

[54] **BORNE DE BRANCHEMENT A CHAUD DE COMPTEUR D'ENERGIE ELECTRIQUE**

[72] WEI, MENGBAI, CN

[73] ANHUI TONGLING POWERSUPPLY COMPANY, CN

[73] ANHUI ELECTRIC POWER CORPORATION, CN

[85] 2013-08-26

[86] 2011-09-27 (PCT/CN2011/080224)

[87] (WO2012/116547)

[30] CN (201110046950.4) 2011-02-28

[11] **2,828,519**  
[13] C

[51] **Int.Cl. B01F 17/02 (2006.01) B01F 17/18 (2006.01) B01F 17/24 (2006.01) C09K 8/54 (2006.01) C09K 8/584 (2006.01) E21B 43/16 (2006.01)**

[25] EN

[54] **FOAMING COMPOSITION WITH WETTABILITY MODIFYING AND CORROSION INHIBITORY PROPERTIES FOR HIGH TEMPERATURE AND ULTRA-HIGH SALINITY**

[54] **COMPOSITION MOUSSANTE A PROPRIETES DE MODIFICATION DE MOUILLABILITE ET D'INHIBITION DE CORROSION POUR MILIEU A TEMPERATURE ELEVE ET SALINITE ULTRA ELEVEE**

[72] HERNANDEZ ALTAMIRANO, RAUL, MX

[72] ZAMUDIO RIVERA, LUIS SILVESTRE, MX

[72] MENA CERVANTES, VIOLETA YASMIN, MX

[72] LUNA ROJERO, ERICK EMANUEL, MX

[72] SERRANO SALDANA, ENRIQUE, MX

[72] MARTINEZ MAGADAN, JOSE MANUEL, MX

[72] OVIEDO ROA, RAUL, MX

[72] NIETO ALVAREZ, DAVID AARON, MX

[72] BUENROSTRO GONZALEZ, EDUARDO, MX

[72] CISNEROS DEVORA, RODOLFO, MX

[72] ARZOLA GARCIA, MARIA DEL PILAR, MX

[72] PONS JIMENEZ, MIRNA, MX

[72] MENDOZA AGUILAR, AMERICA ELIZABETH, MX

[72] KIM, SUNG JAE KO, MX

[72] RAMIREZ PEREZ, JORGE FRANCISCO, MX

[72] CHAVEZ MIYAUCHI, TOMAS EDUARDO, MX

[72] RUIZ MORALES, YOSADARA, MX

[73] INSTITUTO MEXICANO DEL PETROLEO, MX

[86] (2828519)

[87] (2828519)

[22] 2013-09-27

[30] MX (MX/A/2012/014187) 2012-12-05

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[11] **2,829,188**  
[13] C  
[51] **Int.Cl. C07D 471/20 (2006.01) A61K 31/407 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 43/00 (2006.01) C07D 487/10 (2006.01) C07D 519/00 (2006.01)**  
[25] EN  
[54] **DISPIROPYRROLIDINE DERIVATIVES**  
[54] **DERIVE DE DISPIROPYRROLIDINE**  
[72] SUGIMOTO, YUUICHI, JP  
[72] UOTO, KOUICHI, JP  
[72] MIYAZAKI, MASAKI, JP  
[72] SETOGUCHI, MASAKI, JP  
[72] TANIGUCHI, TORU, JP  
[72] YOSHIDA, KEISUKE, JP  
[72] YAMAGUCHI, AKITAKE, JP  
[72] YOSHIDA, SHOKO, JP  
[72] WAKABAYASHI, TAKANORI, JP  
[73] DAIICHI SANKYO COMPANY, LIMITED, JP  
[85] 2013-09-05  
[86] 2012-03-09 (PCT/JP2012/056066)  
[87] (WO2012/121361)  
[30] JP (2011-052687) 2011-03-10  
[30] US (61/546805) 2011-10-13

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[11] **2,829,541**  
[13] C  
[51] **Int.Cl. A63B 71/12 (2006.01) A41D 13/05 (2006.01) A61F 5/00 (2006.01)**  
[25] EN  
[54] **SPINAL PROTECTIVE DEVICE**  
[54] **DISPOSITIF DE PROTECTION RACHIDIENNE**  
[72] REIMER, MILTON D., CA  
[73] REIMER, MILTON D., CA  
[85] 2013-05-24  
[86] 2011-11-23 (PCT/CA2011/050727)  
[87] (WO2012/068686)  
[30] US (12/954,788) 2010-11-26

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[11] **2,831,155**  
[13] C  
[51] **Int.Cl. H04W 84/18 (2009.01) H04W 4/24 (2009.01) G06Q 30/06 (2012.01) H04B 5/00 (2006.01)**  
[25] EN  
[54] **COMMUNICATION SYSTEM PROVIDING NEAR FIELD COMMUNICATION (NFC) TRANSACTION FEATURES AND RELATED METHODS**  
[54] **SYSTEME DE COMMUNICATION AVEC FONCTION D'EXECUTION DE TRANSACTION VIA UNE COMMUNICATION EN CHAMP PROCHE (NFC), ET PROCEDES CONNEXES**  
[72] WALKER, DAVID RYAN, CA  
[72] MOOSAVI, VAHID, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2013-09-24  
[86] 2012-03-28 (PCT/CA2012/050191)  
[87] (WO2012/139217)  
[30] EP (11160260.3) 2011-03-29

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[11] **2,832,163**  
[13] C  
[51] **Int.Cl. G06Q 10/08 (2012.01) G06F 17/30 (2006.01)**  
[25] EN  
[54] **ROOM INVENTORY MANAGEMENT**  
[54] **GESTION D'INVENTAIRE DE PIECE**  
[72] TAYLOR, GREGORY, US  
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[86] (2832163)  
[87] (2832163)  
[22] 2013-11-01  
[30] US (13/673,189) 2012-11-09

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[11] **2,833,240**  
[13] C  
[51] **Int.Cl. G01V 3/30 (2006.01)**  
[25] EN  
[54] **DIELECTRIC TOOL-BASED FORMATION POROSITY LOGGING SYSTEMS AND METHODS**  
[54] **SYSTEMES ET PROCEDES DE DIAGRAPHIE DE POROSITE DE FORMATION A BASE D'OUTIL DIELECTRIQUE**  
[72] LI, JING, US  
[72] KAINER, GARY, US  
[72] ROURKE, MARVIN, GB  
[72] BITTAR, MICHAEL, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2013-10-15  
[86] 2011-09-26 (PCT/US2011/053215)  
[87] (WO2012/145021)  
[30] US (PCT/US2011/032877) 2011-04-18

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[11] **2,833,595**  
[13] C  
[51] **Int.Cl. A47J 31/44 (2006.01) G01C 19/40 (2006.01)**  
[25] EN  
[54] **A WEIGHING DEVICE FOR AN ESPRESSO COFFEE MACHINE AND AN ESPRESSO COFFEE MACHINE INCORPORATING SUCH A DEVICE**  
[54] **DISPOSITIF DE PESEE POUR MACHINE A CAFE ESPRESSO ET MACHINE A CAFE ESPRESSO INCORPORANT UN TEL DISPOSITIF**  
[72] MORAN, SEAN MARTIN, IE  
[72] PEARSON, PAUL DREWRY, IE  
[72] STACK, PAUL FRANCIS, IE  
[72] BIANCHI, ROBERTO, IT  
[73] LA MARZOCCO S.R.L., IT  
[73] MORAN, SEAN MARTIN, IE  
[73] PEARSON, PAUL DREWRY, IE  
[73] STACK, PAUL FRANCIS, IE  
[85] 2013-10-18  
[86] 2012-04-26 (PCT/EP2012/057612)  
[87] (WO2012/146641)  
[30] IE (2011/0204) 2011-04-26

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18 octobre 2016**

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[11] **2,833,715**  
[13] C

[51] **Int.Cl. G10D 3/10 (2006.01)**  
[25] EN  
[54] **MUSICAL INSTRUMENT STRING HAVING COBALT ALLOY WRAP WIRE**  
[54] **CORDE POUR INSTRUMENT DE MUSIQUE COMPORTANT UN FIL ENROULE EN ALLIAGE AU COBALT**  
[72] BALL, BRIAN, US  
[73] ERNIE BALL, INC., US  
[85] 2013-10-18  
[86] 2012-03-19 (PCT/US2012/029665)  
[87] (WO2012/145107)  
[30] US (61/477,299) 2011-04-20  
[30] US (13/156,057) 2011-06-08  
[30] US (13/187,788) 2011-07-21

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[11] **2,834,184**  
[13] C

[51] **Int.Cl. C04B 28/06 (2006.01) C04B 7/32 (2006.01) C09K 8/46 (2006.01)**  
[25] EN  
[54] **CEMENT COMPOSITION BASED ON CALCIUM ALUMINATE CEMENT**  
[54] **COMPOSITION DE CIMENT A BASE D'UN CIMENT D'ALUMINATE DE CALCIUM**  
[72] REVIL, PHILIPPE, FR  
[72] PENG, HONG, NO  
[73] ELKEM AS, NO  
[85] 2013-10-23  
[86] 2011-09-26 (PCT/NO2011/000271)  
[87] (WO2012/165966)  
[30] NO (20110804) 2011-06-01

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[11] **2,835,613**  
[13] C

[51] **Int.Cl. F16L 55/28 (2006.01) F16L 55/18 (2006.01)**  
[25] EN  
[54] **ROBOT FOR USE IN A PASSAGEWAY HAVING AN OBLONG SECTION**  
[54] **ROBOT DESTINE A ETRE UTILISE DANS UN PASSAGE DOTE D'UNE SECTION OBLONGUE**  
[72] POLIVKA, RICHARD CARL, US  
[72] MUENCHMEYER, CLAYTON, US  
[73] INA ACQUISITION CORP., US  
[85] 2013-11-08  
[86] 2012-05-10 (PCT/US2012/037336)  
[87] (WO2012/154963)  
[30] US (61/484,509) 2011-05-10

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[11] **2,833,719**  
[13] C

[51] **Int.Cl. G01V 3/30 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR ESTIMATING FORMATION RESISTIVITY AND POROSITY**  
[54] **PROCEDES ET SYSTEMES POUR ESTIMER UNE RESISTIVITE ET UNE POROSITE DE FORMATION**  
[72] LI, JING, US  
[72] KAINER, GARY, US  
[72] ROURKE, MARVIN, GB  
[72] BITTAR, MICHAEL, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2013-10-18  
[86] 2011-04-18 (PCT/US2011/032877)  
[87] (WO2012/144979)

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[13] C

[51] **Int.Cl. E21B 19/10 (2006.01) E21B 19/07 (2006.01) E21B 19/24 (2006.01)**  
[25] EN  
[54] **FLOATING SPIDER**  
[54] **COLLIER A COINS FLOTTANT**  
[72] ANGELLE, JEREMY RICHARD, US  
[72] THIBODEAUX, ROBERT L., JR., US  
[72] MOSING, DONALD E., US  
[73] FRANK'S INTERNATIONAL, LLC, US  
[85] 2013-10-31  
[86] 2012-04-30 (PCT/US2012/035750)  
[87] (WO2012/151147)  
[30] US (61/481,217) 2011-05-01  
[30] US (13/459,319) 2012-04-30

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[11] **2,835,682**  
[13] C

[51] **Int.Cl. B61L 17/00 (2006.01) B61L 17/02 (2006.01)**  
[25] EN  
[54] **RAILROAD SWITCHYARD MANAGEMENT PROCESS AND RELATED INFRASTRUCTURE**  
[54] **PROCESSUS DE GESTION D'UN POSTE DE MANOEUVRE FERROVIAIRE ET INFRASTRUCTURE CONNEXE**  
[72] MUINONEN, KARI, CA  
[72] PATHAK, ANSHU, CA  
[72] BARKER, MATTHEW, CA  
[72] MORENCY, VINCENT, CA  
[72] DOYLE, GORDON, CA  
[73] CANADIAN NATIONAL RAILWAY COMPANY, CA  
[86] (2835682)  
[87] (2835682)  
[22] 2005-12-30  
[62] 2,531,902

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[11] **2,833,825**  
[13] C

[51] **Int.Cl. B64C 25/40 (2006.01)**  
[25] EN  
[54] **DRIVE UNIT FOR AIRCRAFT RUNNING GEAR WHEELS**  
[54] **UNITE D'ENTRAINEMENT POUR ROUES D'ENGRENAGE TOURNANTES D'AERONEF**  
[72] OSWALD, JOHANN, DE  
[72] HEEG, MANFRED, DE  
[73] L-3 COMMUNICATIONS MAGNET-MOTOR GMBH, DE  
[85] 2013-10-21  
[86] 2011-06-17 (PCT/EP2011/060172)  
[87] (WO2012/171589)

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[11] **2,835,129**  
[13] C

[51] **Int.Cl. B65D 83/62 (2006.01)**  
[25] EN  
[54] **COMPONENTS FOR AEROSOL DISPENSER**  
[54] **COMPOSANTS DESTINES A UN GENERATEUR D'AEROSOL**  
[72] SMITH, SCOTT EDWARD, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2013-11-04  
[86] 2012-05-16 (PCT/US2012/038034)  
[87] (WO2012/158741)  
[30] US (13/108,198) 2011-05-16

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[51] **Int.Cl. D21H 27/40 (2006.01) B31F 1/07 (2006.01) B32B 7/14 (2006.01) B32B 37/12 (2006.01) B32B 38/06 (2006.01) D21H 27/02 (2006.01) D21H 27/32 (2006.01)**

[25] EN

[54] **MULTI-PLY ABSORBENT PAPER PRODUCT HAVING IMPRESSED PATTERN**

[54] **PRODUIT EN PAPIER ABSORBANT MULTICOUCHES A MOTIFS IMPRIMES**

[72] SCHULZ, GALYN A., US

[72] WORRY, GARY L., US

[72] YEH, KANG CHANG, US

[72] KERSHAW, THOMAS N., US

[73] GEORGIA-PACIFIC CONSUMER PRODUCTS LP, US

[86] (2835786)

[87] (2835786)

[22] 2000-10-31

[62] 2,324,786

[30] US (60/162,981) 1999-11-01

[30] US (09/564,800) 2000-05-05

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[51] **Int.Cl. H02M 7/527 (2006.01) H02M 1/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR CONTROLLING CIRCULATING CURRENT IN AN INVERTER SYSTEM**

[54] **APPAREIL ET PROCEDURE POUR COMMANDER LE COURANT DE CIRCULATION DANS UN SYSTEME ONDULEUR**

[72] TANG, QINGQUAN, US

[72] GU, DAZHONG, US

[72] CZARKOWSKI, DARIUSZ, US

[72] DE LEON, FRANCISCO, US

[72] KARIMI, KAMIAR, US

[72] LIU, SHENGYI, US

[73] THE BOEING COMPANY, US

[86] (2836335)

[87] (2836335)

[22] 2013-12-09

[30] US (13/752813) 2013-01-29

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[11] **2,836,570**  
[13] C

[51] **Int.Cl. E02F 9/20 (2006.01) E02F 9/24 (2006.01)**

[25] EN

[54] **TRAVEL-RESTRICTED AREA SETTING SYSTEM FOR UNMANNED TRAVELING VEHICLE AND COMPUTER PROGRAM FOR SETTING TRAVEL-RESTRICTED AREA OF UNMANNED TRAVELING VEHICLE**

[54] **SYSTEME DE DEFINITION DE ZONE INTERDITE A LA CIRCULATION POUR UN VEHICULE SANS PILOTE ET PROGRAMME INFORMATIQUE DE DEFINITION DE LA ZONE INTERDITE A LA CIRCULATION D'UN VEHICULE SANS PILOTE**

[72] TOJIMA, MASANORI, JP

[72] TAKEDA, KOJI, JP

[73] KOMATSU LTD., JP

[85] 2013-11-18

[86] 2012-06-15 (PCT/JP2012/065427)

[87] (WO2012/173256)

[30] JP (2011-135042) 2011-06-17

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[13] C

[51] **Int.Cl. C08G 59/14 (2006.01) C08G 59/40 (2006.01) C08G 63/692 (2006.01) C09D 171/00 (2006.01)**

[25] EN

[54] **COATING COMPOSITIONS FOR CONTAINERS**

[54] **COMPOSITIONS DE REVETEMENT POUR RECIPIENTS**

[72] LIST, MICHAEL, US

[72] MOUSSA, YOUSSEF, US

[72] KNOTTS, CLAUDIA, US

[73] PPG INDUSTRIES OHIO, INC., US

[85] 2013-11-19

[86] 2012-05-22 (PCT/US2012/038961)

[87] (WO2012/162299)

[30] US (13/113,127) 2011-05-23

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[11] **2,836,841**  
[13] C

[51] **Int.Cl. H02B 11/127 (2006.01) H02B 13/025 (2006.01)**

[25] EN

[54] **MEDIUM VOLTAGE SWITCHGEAR**

[54] **APPAREILLAGE DE COMMUTATION MOYENNE TENSION**

[72] CAPELLI, FABIO, IT

[73] ABB TECHNOLOGY AG, CH

[85] 2013-11-20

[86] 2012-05-22 (PCT/EP2012/059447)

[87] (WO2012/163723)

[30] EP (11168512.9) 2011-06-01

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[13] C

[51] **Int.Cl. H04N 19/91 (2014.01) H04N 19/124 (2014.01) H04N 19/13 (2014.01) H04N 19/176 (2014.01) H04N 19/60 (2014.01) H04N 19/61 (2014.01)**

[25] EN

[54] **MEMORY EFFICIENT CONTEXT MODELING**

[54] **MODELISATION DE CONTEXTE EFFICACE EN MEMOIRE**

[72] CHIEN, WEI-JUNG, US

[72] KARCZEWICZ, MARTA, US

[72] WANG, XIANGLIN, US

[73] QUALCOMM INCORPORATED, US

[85] 2013-11-21

[86] 2012-06-01 (PCT/US2012/040483)

[87] (WO2012/167097)

[30] US (61/493,361) 2011-06-03

[30] US (61/504,153) 2011-07-01

[30] US (61/546,732) 2011-10-13

[30] US (13/485,198) 2012-05-31

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[11] **2,837,388**  
[13] C

[51] **Int.Cl. G01S 15/04 (2006.01) G01S 7/539 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTING OBJECTS IN A FLUID SYSTEM**

[54] **SYSTEME ET PROCEDURE DE DETECTION D'OBJETS DANS UN SYSTEME FLUIDE**

[72] NISSEN, JEFFREY P., US

[73] BELL HELICOPTER TEXTRON INC., US

[85] 2013-11-26

[86] 2011-06-15 (PCT/US2011/040414)

[87] (WO2012/173606)

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[13] C

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[25] EN  
[54] **METHOD FOR CONTROLLING A WIND TURBINE**  
[54] **PROCEDE DE COMMANDE D'UNE EOLIENNE**  
[72] DIEDRICHS, VOLKER, DE  
[73] WOBLEN PROPERTIES GMBH, DE  
[85] 2013-11-27  
[86] 2012-05-24 (PCT/EP2012/059782)  
[87] (WO2012/171769)  
[30] DE (10 2011 077 651.6) 2011-06-16

[11] **2,838,201**

[13] C

- [51] **Int.Cl. G10L 19/02 (2013.01) G10L 21/02 (2013.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ENCODING A SIGNAL**  
[54] **PROCEDE ET APPAREIL POUR CODER UN SIGNAL**  
[72] GIBBS, JONATHAN A., GB  
[73] GOOGLE TECHNOLOGY HOLDINGS LLC, US  
[85] 2013-12-03  
[86] 2012-06-05 (PCT/US2012/040844)  
[87] (WO2012/170385)  
[30] US (13/157,371) 2011-06-10

[11] **2,838,247**

[13] C

- [51] **Int.Cl. E04G 23/08 (2006.01)**  
[25] EN  
[54] **CHIMNEY DEMOLITION VEHICLE**  
[54] **VEHICULE DE DEMOLITION DE CHEMINEE**  
[72] PERDUE, JOSEPH S., US  
[73] INTERNATIONAL CHIMNEY CORPORATION, US  
[86] (2838247)  
[87] (2838247)  
[22] 2013-12-30  
[30] US (14/100,636) 2013-12-09

[11] **2,838,917**

[13] C

- [51] **Int.Cl. A24D 3/08 (2006.01) A24D 3/06 (2006.01)**  
[25] EN  
[54] **FILTER MATERIAL COMPRISING POLYLACTIDE FIBRES**  
[54] **MATERIAU FILTRANT COMPRENANT DES FIBRES DE POLYLACTIDE**  
[72] LEMMOUCHI, YAHIA, GB  
[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB  
[85] 2013-12-10  
[86] 2012-06-22 (PCT/GB2012/051451)  
[87] (WO2012/175979)  
[30] GB (1110669.7) 2011-06-23  
[30] GB (1111254.7) 2011-07-01

[11] **2,840,094**

[13] C

- [51] **Int.Cl. H04L 9/00 (2006.01) H04L 29/06 (2006.01)**  
[25] EN  
[54] **METHODS AND APPARATUS TO MEASURE EXPOSURE TO STREAMING MEDIA**  
[54] **PROCEDES ET APPAREILS POUR EVALUER L'AUDIENGE D'UN MULTIMEDIA DIFFUSE EN CONTINU**  
[72] BESEHANIC, JAN, US  
[73] THE NIELSEN COMPANY (US), LLC, US  
[85] 2013-12-19  
[86] 2012-06-21 (PCT/US2012/043544)  
[87] (WO2012/177872)  
[30] US (61/499,520) 2011-06-21  
[30] US (61/568,631) 2011-12-08  
[30] US (13/341,646) 2011-12-30  
[30] US (13/341,661) 2011-12-30  
[30] US (13/472,170) 2012-05-15

[11] **2,840,285**

[13] C

- [51] **Int.Cl. H04L 12/16 (2006.01) G06F 17/20 (2006.01) G06F 17/30 (2006.01)**  
[25] EN  
[54] **INFERRING TOPICS FROM SOCIAL NETWORKING SYSTEM COMMUNICATIONS**  
[54] **DEDUCTION DE SUJETS A PARTIR DES COMMUNICATIONS D'UN SYSTEME DE RESEAUTAGE SOCIAL**  
[72] RAJARAM, GIRIDHAR, US  
[73] FACEBOOK, INC., US  
[85] 2013-12-23  
[86] 2012-06-06 (PCT/US2012/041105)  
[87] (WO2012/177396)  
[30] US (13/167,701) 2011-06-24

[11] **2,841,862**

[13] C

- [51] **Int.Cl. B42D 15/00 (2006.01)**  
[25] EN  
[54] **DATA CARRIER HAVING TACTILE SECURITY FEATURE**  
[54] **SUPPORT DE DONNEES AVEC CARACTERISTIQUE DE SECURITE TACTILE**  
[72] MANG, THOMAS, DE  
[72] SCHIFFMANN, PETER, DE  
[73] GIESECKE & DEVRIENT GMBH, DE  
[85] 2014-01-07  
[86] 2012-07-19 (PCT/EP2012/003060)  
[87] (WO2013/010673)  
[30] DE (10 2011 108 239.9) 2011-07-21

[11] **2,842,254**

[13] C

- [51] **Int.Cl. H04R 1/08 (2006.01)**  
[25] EN  
[54] **AUDIO SIGNAL ADAPTER DEVICE AND SYSTEM FOR TRANSMITTING AUDIO SIGNAL**  
[54] **DISPOSITIF ADAPTEUR DE SIGNAL AUDIO ET SYSTEME DE TRANSMISSION DE SIGNAL AUDIO**  
[72] LI, DONGSHENG, CN  
[73] TENDYRON CORPORATION, CN  
[85] 2014-01-17  
[86] 2012-07-18 (PCT/CN2012/078834)  
[87] (WO2013/010487)  
[30] CN (201110201205.2) 2011-07-18

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[13] C

[51] **Int.Cl. H04W 4/22 (2009.01)**  
[25] EN  
[54] **WIRELESS EMERGENCY CALL (ECALL) DEVICES AND ECALL SERVICE SUBSCRIPTION MANAGEMENT**

[54] **DISPOSITIFS D'APPEL D'URGENCE (ECALL) SANS FIL ET GESTION D'ABONNEMENT A UN SERVICE D'APPEL D'URGENCE**

[72] WATSON, JOHN MAHONY, GB  
[72] HONG, LEON, US  
[73] AIRBIQUITY INC., US  
[85] 2014-01-17  
[86] 2012-07-20 (PCT/US2012/047579)  
[87] (WO2013/013140)  
[30] US (61/509,834) 2011-07-20

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[11] **2,843,446**  
[13] C

[51] **Int.Cl. F01K 13/02 (2006.01) F01K 13/00 (2006.01) F01K 23/02 (2006.01) H02J 3/38 (2006.01) H02K 7/18 (2006.01) H02P 9/04 (2006.01)**

[25] EN  
[54] **METHOD FOR OPERATING A COMBINED-CYCLE POWER PLANT**

[54] **PROCEDE D'EXPLOITATION D'UNE CENTRALE ELECTRIQUE A CYCLE COMBINE**

[72] OLIA, HAMID, CH  
[72] SCHLESIER, JAN, CH  
[72] BREITFELD, MICHAEL, CH  
[72] BRUNNER, PHILIPP, CH  
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  
[86] (2843446)  
[87] (2843446)  
[22] 2014-02-19  
[30] EP (13158048.2) 2013-03-06

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[11] **2,843,518**  
[13] C

[51] **Int.Cl. E21B 43/16 (2006.01) E21B 47/01 (2012.01) E21B 47/10 (2012.01) E21B 49/08 (2006.01)**

[25] EN  
[54] **METHODS FOR MONITORING FLUIDS WITHIN OR PRODUCED FROM A SUBTERRANEAN FORMATION USING OPTICOANALYTICAL DEVICES**

[54] **PROCEDES POUR CONTROLER DES FLUIDES A L'INTERIEUR D'UNE FORMATION SOUTERRAINE OU PRODUITS A PARTIR DE CELLE-CI A L'AIDE DE DISPOSITIFS OPTICO-ANALYTIQUES**

[72] FREESE, ROBERT P., US  
[72] JONES, CHRISTOPHER M., US  
[72] PELLETIER, MICHAEL T., US  
[72] DAUSSIN, RORY D., US  
[72] LOVELESS, DAVID M., US  
[72] HAGGSTROM, JOHANNA, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-01-28  
[86] 2012-07-17 (PCT/US2012/047058)  
[87] (WO2013/022569)  
[30] US (13/204,005) 2011-08-05

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[13] C

[51] **Int.Cl. G01B 9/02 (2006.01)**  
[25] EN  
[54] **OPTICAL COHERENCE TOMOGRAPHY TECHNIQUE**

[54] **TECHNIQUE DE TOMOGRAPHIE A COHERENCE OPTIQUE**

[72] VOGLER, KLAUS, DE  
[72] WISWEH, HENNING, DE  
[73] WAVELIGHT GMBH, DE  
[85] 2014-01-30  
[86] 2011-09-26 (PCT/EP2011/004813)  
[87] (WO2013/044932)

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[11] **2,843,953**  
[13] C

[51] **Int.Cl. G01R 1/067 (2006.01) G01R 15/04 (2006.01) H03H 7/24 (2006.01)**

[25] EN  
[54] **AN ADAPTIVE VOLTAGE DIVIDER WITH CORRECTED FREQUENCY CHARACTERISTIC FOR MEASURING HIGH VOLTAGES**

[54] **REDUCTEUR DE TENSION ADAPTATIF A CARACTERISTIQUE DE FREQUENCE CORRIGEE POUR LA MESURE DE HAUTES TENSIONS**

[72] NABIELEC, JERZY, PL  
[73] AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE, PL  
[85] 2014-02-03  
[86] 2012-08-17 (PCT/EP2012/066147)  
[87] (WO2013/026805)  
[30] PL (396031) 2011-08-19

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[13] C

[51] **Int.Cl. H04L 12/919 (2013.01) H04L 7/00 (2006.01) H04B 3/54 (2006.01)**

[25] EN  
[54] **BANDWIDTH MANAGEMENT IN A NETWORK**

[54] **GESTION DE LARGEUR DE BANDE DANS UN RESEAU**

[72] IWAMURA, RYUICHI, US  
[73] SONY ELECTRONICS INC., US  
[73] SONY CORPORATION, JP  
[86] (2844686)  
[87] (2844686)  
[22] 2006-04-25  
[62] 2,605,894  
[30] US (60/675,592) 2005-04-28  
[30] US (60/693,650) 2005-06-24  
[30] US (11/271,038) 2005-11-12

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[13] C

- [51] **Int.Cl. H05B 37/02 (2006.01) G05F 1/56 (2006.01) H02M 1/15 (2006.01)**  
[25] EN  
[54] **HALF- OR QUARTER-CYCLE CURRENT REGULATOR FOR NON-ISOLATED, LINE VOLTAGE L.E.D. BALLAST CIRCUITS**  
[54] **REGULATEUR DE COURANT A DEMI OU QUART DE CYCLE POUR CIRCUITS DE BALLAST A DEL A TENSION DE LIGNE NON ISOLES**  
[72] LEWIS, JASON P., US  
[73] 4382412 CANADA INC. D/B/A ILLUMINATION DEVICES, US  
[86] (2845053)  
[87] (2845053)  
[22] 2014-03-10  
[30] US (13/830,499) 2013-03-14

[11] **2,845,419**  
[13] C

- [51] **Int.Cl. G07D 5/00 (2006.01) G07D 9/00 (2006.01)**  
[25] EN  
[54] **DISCRIMINANT VERIFICATION SYSTEMS AND METHODS FOR USE IN COIN DISCRIMINATION**  
[54] **SYSTEMES DE VERIFICATION DISCRIMINANTS ET PROCEDES A UTILISER DANS LA DISTINCTION DE PIECES DE MONNAIE**  
[72] EVERHART, DANIEL D., US  
[73] OUTERWALL INC., US  
[86] (2845419)  
[87] (2845419)  
[22] 2014-03-07  
[30] US (13/793,827) 2013-03-11

[11] **2,847,249**  
[13] C

- [51] **Int.Cl. A61K 8/34 (2006.01) A61K 8/39 (2006.01) A61K 8/86 (2006.01) A61Q 11/00 (2006.01)**  
[25] EN  
[54] **ORAL CARE COMPOSITIONS WITH IMPROVED RHEOLOGY**  
[54] **COMPOSITIONS DE SOINS PAR VOIE ORALE AVEC RHEOLOGIE AMELIOREE**  
[72] BURGESS, STEVEN CARL, US  
[72] FATADE, AYOWUMI, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2014-02-28  
[86] 2012-08-28 (PCT/US2012/052654)  
[87] (WO2013/033090)  
[30] US (61/530,059) 2011-09-01

[11] **2,847,703**  
[13] C

- [51] **Int.Cl. H04N 21/266 (2011.01) H04H 20/42 (2009.01) H04N 21/43 (2011.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR MANAGING BANDWIDTH**  
[54] **PROCEDE ET SYSTEME DE GESTION DE LARGEUR DE BANDE**  
[72] KAMITAKAHARA, LISA ETSUKO, CA  
[72] COLANTONIO, ANTONIO, CA  
[72] SINGH, SANDIP, CA  
[72] ANSARI, NASIR MAHMOOD, CA  
[72] SHERIDAN, CLINTON ALEXANDER PIERCE, CA  
[73] ROGERS COMMUNICATIONS INC., CA  
[85] 2014-03-05  
[86] 2011-09-12 (PCT/CA2011/050549)  
[87] (WO2013/037032)

[11] **2,847,779**  
[13] C

- [51] **Int.Cl. B65B 11/02 (2006.01) B65B 51/06 (2006.01)**  
[25] EN  
[54] **MULTIPLE ROBOT SYSTEM**  
[54] **SYSTEME DE ROBOTS MULTIPLES**  
[72] KLEAR, MICHAEL, US  
[72] SCHMIDT, DANIEL, US  
[72] BRUZIK, MICHAEL, US  
[72] HILLESHEIM, TIMOTHY, US  
[72] GREEN, SHAWN, US  
[72] ANDERSON, THOMAS, US  
[72] MUTCH, THOMAS, US  
[73] SIGNODE INTERNATIONAL IP HOLDINGS LLC, US  
[85] 2014-03-04  
[86] 2012-09-07 (PCT/US2012/054086)  
[87] (WO2013/039775)  
[30] US (61/573,140) 2011-09-12  
[30] US (61/687,575) 2012-04-27  
[30] US (13/602,347) 2012-09-04

[11] **2,847,874**  
[13] C

- [51] **Int.Cl. E21B 33/128 (2006.01) E21B 23/06 (2006.01) E21B 29/12 (2006.01) E21B 33/12 (2006.01) F16L 55/132 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR ISOLATING A SECTION OF A PIPE RISER BORE IN THE COURSE OF RISER RENEWAL**  
[54] **APPAREIL ET PROCEDE POUR ISOLATION D'UNE PARTIE DE TROU DE COLONNE MONTANTE AU COURS DU RENOUELEMENT D'UNE COLONNE MONTANTE**  
[72] BERUBE, GUY, CA  
[72] BROWN, GRAHAM T., CA  
[72] BLAIR, TOM, CA  
[73] CAR-BER INVESTMENTS INC., CA  
[86] (2847874)  
[87] (2847874)  
[22] 2014-03-31  
[30] US (61/809,284) 2013-04-05

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[13] C  
[51] **Int.Cl. C08J 3/07 (2006.01) B01F 3/12 (2006.01) B01F 5/06 (2006.01) C08L 67/00 (2006.01)**  
[25] EN  
[54] **CONTINUOUS LATEX PRODUCTION PROCESSES**  
[54] **PROCESSUS DE PRODUCTION DE LATEX CONTINU**  
[72] CHUNG, JOO T., US  
[72] CHENG, CHIEH-MIN, US  
[73] XEROX CORPORATION, US  
[86] (2847983)  
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[22] 2014-04-01  
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[51] **Int.Cl. C22C 38/18 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/38 (2006.01)**  
[25] EN  
[54] **MEDIUM CARBON STEEL SHEET FOR COLD WORKING AND METHOD FOR MANUFACTURING THE SAME**  
[54] **FEUILLE D'ACIER A TENEUR MOYENNE EN CARBONE POUR FORMAGE A FROID ET PROCEDE POUR LA PRODUIRE**  
[72] TAKEDA, KENGO, JP  
[72] ABE, MASAYUKI, JP  
[72] TSUKANO, YASUSHI, JP  
[72] ARAMAKI, TAKASHI, JP  
[72] YAMAGUCHI, SHINICHI, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2014-03-06  
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[51] **Int.Cl. D05C 15/00 (2006.01) A46B 9/00 (2006.01) B65H 54/64 (2006.01) E06B 7/16 (2006.01) F16J 15/00 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHODS FOR MAKING PILE ARTICLES AND IMPROVED PILE ARTICLES MADE THEREWITH**  
[54] **APPAREIL ET PROCEDES DE FABRICATION DE POILS ET POILS AMELIORES FABRIQUES AVEC CEUX-CI**  
[72] CHERNYAK, ALEXANDER Z., US  
[72] ARVIDSON, RICHARD T., US  
[72] DEMELLO, ALAN J., US  
[72] WYLIE, GRANT E., US  
[73] ULTRAFAB, INC., US  
[86] (2848543)  
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[51] **Int.Cl. E21B 10/46 (2006.01) C09K 3/14 (2006.01)**  
[25] EN  
[54] **CUTTING ELEMENTS FOR EARTH-BORING TOOLS, EARTH-BORING TOOLS INCLUDING SUCH CUTTING ELEMENTS AND RELATED METHODS**  
[54] **ELEMENTS DE COUPE POUR DES OUTILS DE FORAGE DU SOL, OUTILS DE FORAGE DU SOL COMPRENANT DE TELS ELEMENTS DE COUPE ET PROCEDES ASSOCIES**  
[72] DIGIOVANNI, ANTHONY A., US  
[73] BAKER HUGHES INCORPORATED, US  
[85] 2014-03-13  
[86] 2012-09-13 (PCT/US2012/054999)  
[87] (WO2013/040123)  
[30] US (61/535,772) 2011-09-16

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[51] **Int.Cl. B01D 21/02 (2006.01) B01D 21/24 (2006.01)**  
[25] EN  
[54] **A DESANDING APPARATUS AND A METHOD OF USING SAME**  
[54] **UN APPAREIL DE DESSABLAGE ET UNE METHODE D'UTILISATION DUDIT APPAREIL**  
[72] HEMSTOCK, CHRISTOPHER A., CA  
[73] SPECIALIZED DESANDERS INC., CA  
[86] (2848738)  
[87] (2848738)  
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[11] **2,849,364**  
[13] C  
[51] **Int.Cl. E04D 13/03 (2006.01) E04D 13/035 (2006.01)**  
[25] EN  
[54] **A ROOF WINDOW WITH A COVERING MEANS FOR A FRAME**  
[54] **FENETRE DE TOIT MUNIE D'UN MOYEN DE RECOUVREMENT POUR CADRE**  
[72] ANDERSEN, THOMAS SIRIUS, DK  
[73] VKR HOLDING A/S, DK  
[85] 2014-03-20  
[86] 2012-10-04 (PCT/DK2012/050376)  
[87] (WO2013/050044)  
[30] DK (PA 2011 70552) 2011-10-04

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[51] **Int.Cl. F16L 15/04 (2006.01) F17C 13/00 (2006.01)**  
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[54] **THREADED INTERFACES**  
[54] **INTERFACES FILETEES**  
[72] PORTERFIELD, JOHN W., US  
[72] MACLACHLAN, DANIEL R., US  
[73] KIDDE TECHNOLOGIES, INC., US  
[86] (2849617)  
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[30] US (13/871,778) 2013-04-26

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[25] EN  
[54] **SYSTEM AND METHOD FOR DISASTER RECOVERY**  
[54] **SYSTEME ET PROCEDE DE REPRISE APRES SINISTRE**  
[72] ROTH, TODD STUART, US  
[72] MOOTE, STANLEY ROBERT, CA  
[73] IMAGINE COMMUNICATIONS CORP., US  
[85] 2014-03-25  
[86] 2012-09-24 (PCT/US2012/056834)  
[87] (WO2013/048933)  
[30] US (13/245,317) 2011-09-26

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[13] C

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[25] EN  
[54] **COIN COUNTING AND/OR SORTING MACHINES AND ASSOCIATED SYSTEMS AND METHODS**  
[54] **MACHINES DE COMPTAGE OU DE TRI ET SYSTEMES ET PROCEDES ASSOCIES**  
[72] MARTIN, DOUGLAS A., US  
[73] OUTERWALL INC., US  
[86] (2850218)  
[87] (2850218)  
[22] 2014-04-25  
[30] US (61/821,003) 2013-05-08  
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[13] C

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[25] EN  
[54] **HIGH-STRENGTH HOT-DIP GALVANIZED STEEL SHEET, HIGH-STRENGTH ALLOYED HOT-DIP GALVANIZED STEEL SHEET EXCELLENT IN BAKE HARDENABILITY, AND MANUFACTURING METHOD THEREOF**  
[54] **FEUILLE D'ACIER RECUITE PAR GALVANISATION ET A HAUTE RESISTANCE PRESENTANT UNE APTITUDE ELEVEE AU DURCISSEMENT PAR CUISSON, FEUILLE D'ACIER RECUITE PAR GALVANISATION, ALLIEE ET A HAUTE RESISTANCE ET PROCEDE DE FABRICATION CORRESPONDANT**  
[72] KAWATA, HIROYUKI, JP  
[72] MARUYAMA, NAOKI, JP  
[72] MURASATO, AKINOBU, JP  
[72] MINAMI, AKINOBU, JP  
[72] YASUI, TAKESHI, JP  
[72] KUWAYAMA, TAKUYA, JP  
[72] BAN, HIROYUKI, JP  
[72] HIRAMATSU, KAORU, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2014-03-27  
[86] 2012-09-28 (PCT/JP2012/075218)  
[87] (WO2013/047821)  
[30] JP (2011-218775) 2011-09-30

[11] **2,851,163**  
[13] C

- [51] **Int.Cl. B25B 23/14 (2006.01)**  
[25] EN  
[54] **TOOL APPARATUS SYSTEM AND METHOD OF USE**  
[54] **OUTIL, APPAREIL, SYSTEME ET PROCEDE D'UTILISATION**  
[72] LAWTON, CHRIS, US  
[72] LI, JIE, US  
[72] SAN, DE L., US  
[72] LEE, NATHAN, US  
[73] SNAP-ON INCORPORATED, US  
[85] 2014-04-03  
[86] 2012-11-13 (PCT/US2012/064808)  
[87] (WO2013/085675)  
[30] US (13/295,719) 2011-11-14

[11] **2,851,320**  
[13] C

- [51] **Int.Cl. A47B 31/04 (2006.01) A47B 43/00 (2006.01)**  
[25] EN  
[54] **FOLDABLE TABLE MECHANISM**  
[54] **MECANISME DE TABLE PLIANTE**  
[72] WEN, HAO, CN  
[73] SHANGHAI KUNJEK HANDTOOLS AND HARDWARE CO., LTD, CN  
[85] 2014-04-07  
[86] 2012-01-16 (PCT/CN2012/000075)  
[87] (WO2013/053188)  
[30] CN (201110306521.6) 2011-10-11

[11] **2,852,565**  
[13] C

- [51] **Int.Cl. B32B 37/02 (2006.01) H01M 8/1004 (2016.01) H01M 8/1069 (2016.01) B32B 3/16 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR MANUFACTURING COMPOSITE MEMBRANE**  
[54] **APPAREIL ET PROCEDE DE FABRICATION DE MEMBRANE COMPOSITE**  
[72] TAKAGI, YOSHINORI, JP  
[73] SCREEN HOLDINGS CO., LTD., JP  
[86] (2852565)  
[87] (2852565)  
[22] 2014-05-16  
[30] JP (2013-105838) 2013-05-20

[11] **2,853,741**  
[13] C

- [51] **Int.Cl. A61L 27/22 (2006.01) A61L 27/56 (2006.01)**  
[25] EN  
[54] **FREEZING METHOD OF PRODUCING A POROUS POLYMERIC MATERIAL FROM A LIQUID SOLUTION**  
[54] **PROCEDE DE CONGELATION POUR LA PRODUCTION D'UN MATERIAU POLYMERE POREUX A PARTIR D'UNE SOLUTION LIQUIDE**  
[72] VAN BOXTEL, HUIBERT, NL  
[73] FUJIFILM CORPORATION, JP  
[85] 2014-04-28  
[86] 2012-10-31 (PCT/GB2012/052703)  
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[13] C

[51] **Int.Cl. F04B 33/00 (2006.01) B60C 23/10 (2006.01) F04B 33/02 (2006.01)**  
[25] FR  
[54] **AIR-COMPRESSING DEVICE FOR A CYCLE**  
[54] **DISPOSITIF DE COMPRESSION D'AIR POUR CYCLE**  
[72] AGHILONE, MARCELLO, FR  
[73] AGHILONE, MARCELLO, FR  
[73] TECHNOFLUID ENGINEERING S.R.L., FR  
[85] 2014-04-29  
[86] 2012-11-23 (PCT/FR2012/052706)  
[87] (WO2013/076429)  
[30] FR (11 03575) 2011-11-23  
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[13] C

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 44/00 (2006.01) E21B 47/12 (2012.01) E21B 49/00 (2006.01) G01N 21/00 (2006.01)**  
[25] EN  
[54] **DIRECTING A DRILLING OPERATION USING AN OPTICAL COMPUTATION ELEMENT**  
[54] **COMMANDE D'UNE OPERATION DE FORAGE AU MOYEN D'UN ELEMENT DE CALCUL OPTIQUE**  
[72] BITTAR, MICHAEL S., US  
[72] MENEZES, CLIVE D., US  
[72] JONES, CHRISTOPHER M., US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2014-05-02  
[86] 2011-11-15 (PCT/US2011/060782)  
[87] (WO2013/074089)

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[13] C

[51] **Int.Cl. E21B 44/00 (2006.01) E21B 7/06 (2006.01) G01V 1/50 (2006.01)**  
[25] EN  
[54] **METHODS FOR GEOSTEERING A DRILL BIT IN REAL TIME USING SURFACE ACOUSTIC SIGNALS**  
[54] **PROCEDES POUR GEO-DIRIGER UN TREPAN DE FORAGE EN TEMPS REEL A L'AIDE DE SIGNAUX ACOUSTIQUES DE SURFACE**  
[72] YANG, YUNLAI, SA  
[73] SAUDI ARABIAN OIL COMPANY, SA  
[85] 2014-05-02  
[86] 2012-11-15 (PCT/US2012/065242)  
[87] (WO2013/074765)  
[30] US (61/559,769) 2011-11-15  
[30] US (61/694,576) 2012-08-29

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[13] C

[51] **Int.Cl. F23D 14/46 (2006.01)**  
[25] EN  
[54] **COMBUSTION CONTROL DEVICE**  
[54] **DISPOSITIF DE COMMANDE DE COMBUSTION**  
[72] WAKABAYASHI, HIROAKI, JP  
[73] SHIZUOKA SEIKI CO., LTD., JP  
[86] (2854730)  
[87] (2854730)  
[22] 2014-06-19  
[30] JP (2013-231132) 2013-11-07

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[11] **2,855,115**  
[13] C

[51] **Int.Cl. B60S 9/02 (2006.01) B60B 29/00 (2006.01) B66F 1/00 (2006.01)**  
[25] EN  
[54] **SECURE CONNECTION LOAD-REST FOR A GROUND-ENGAGING VEHICLE JACK**  
[54] **SUPPORT DE CHARGE A CONNEXION SURE POUR CRIC DE VEHICULE A ENGAGEMENT AVEC LE SOL**  
[72] ARNER, JACOB B., US  
[72] AHNER, TODD D., US  
[73] ARNER, JACOB B., US  
[73] AHNER, TODD D., US  
[86] (2855115)  
[87] (2855115)  
[22] 2014-06-23  
[30] US (13/957,099) 2013-08-01

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[11] **2,855,294**  
[13] C

[51] **Int.Cl. B23B 31/02 (2006.01) B23B 31/06 (2006.01)**  
[25] EN  
[54] **A WORK PIECE CHUCK OF A MANIPULATOR**  
[54] **MANDRIN DE PIECE D'UN MANIPULATEUR**  
[72] CHEN, QIYUE, CN  
[73] WENZHOU JUNCHUANG ROBOT TECHNOLOGY CO., LTD., CN  
[86] (2855294)  
[87] (2855294)  
[22] 2014-06-25  
[30] CN (CN201310283431.9) 2013-07-05

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[13] C

[51] **Int.Cl. A63B 21/04 (2006.01) A47C 1/00 (2006.01) A47C 4/00 (2006.01) A63B 21/02 (2006.01) A63B 23/02 (2006.01)**  
[25] EN  
[54] **PORTABLE FITNESS CHAIR**  
[54] **CHAISE DE FORME PHYSIQUE PORTABLE**  
[72] LALAOUA, NABILE, US  
[73] NABILE INNOVATIONS LLC, US  
[85] 2014-05-09  
[86] 2012-12-17 (PCT/US2012/070158)  
[87] (WO2013/101526)  
[30] US (13/331,762) 2011-12-20

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[13] C

[51] **Int.Cl. B61C 15/08 (2006.01) B61K 3/02 (2006.01)**  
[25] EN  
[54] **RAILWAY VEHICLE STEERING TRUCK**  
[54] **BOGIE DE DIRECTION POUR VEHICULE FERROVIAIRE**  
[72] SHIMOKAWA, YOSHIYUKI, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2014-05-13  
[86] 2012-09-20 (PCT/JP2012/074032)  
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[30] JP (2011-250891) 2011-11-16

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[13] C

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[25] EN  
[54] **NON-ALCOHOL, BEER-TASTE BEVERAGE HAVING HIGH RATIO OF MONOSACCHARIDES AND DISACCHARIDES**  
[54] **BOISSON NON ALCOOLISEE AU GOUT DE BIERE DANS LAQUELLE LE RAPPORT ENTRE MONOSACCHARIDES ET DISACCHARIDES EST ELEVE**  
[72] TERANISHI, TAKESHI, JP  
[72] MOTOHASHI, ITSUKI, JP  
[73] SUNTORY HOLDINGS LIMITED, JP  
[85] 2014-05-15  
[86] 2012-09-03 (PCT/JP2012/072316)  
[87] (WO2013/077056)  
[30] JP (2011-255369) 2011-11-22

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[11] **2,856,547**  
[13] C

[51] **Int.Cl. B64D 41/00 (2006.01) B64D 31/00 (2006.01)**  
[25] EN  
[54] **AUTOMATIC CONTROL SYSTEMS FOR AIRCRAFT AUXILIARY POWER UNITS, AND ASSOCIATED METHODS**  
[54] **SYSTEMES DE COMMANDE AUTOMATIQUE DE BLOCS D'ALIMENTATION AUXILIAIRE D'UN AERONEF, ET PROCEDES ASSOCIES**  
[72] NGUYEN, PHUONG H., US  
[72] SIKORA, JOSEPH A., US  
[72] CAMPBELL, THOMAS A., US  
[73] THE BOEING COMPANY, US  
[86] (2856547)  
[87] (2856547)  
[22] 2005-09-14  
[62] 2,583,537  
[30] US (10/951,185) 2004-09-27

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[13] C

[51] **Int.Cl. B61B 11/00 (2006.01) B61B 12/02 (2006.01)**  
[25] EN  
[54] **CABLEWAY SYSTEM FOR TRANSPORTING PERSONS OR GOODS**  
[54] **SYSTEME DE TELEPHERIQUE POUR TRANSPORTER DES PERSONNES OU DES BIENS**  
[72] FESSLER, DIETMAR, AT  
[72] LUGER, PETER, AT  
[73] INNOVA PATENT GMBH, AT  
[86] (2856982)  
[87] (2856982)  
[22] 2014-07-16  
[30] AT (A 745/3013) 2013-09-26

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[13] C

[51] **Int.Cl. H02H 3/05 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR DISCONNECTING ELECTRICAL POWER UPON REGULATION FAILURE**  
[54] **SYSTEME DE DECONNEXION DE L'ALIMENTATION ELECTRIQUE APRES UN ECHEC DE LA REGULATION**  
[72] PANJWANI, VIJAY GOPICHAND, CA  
[72] MELL, ENDEL ROBERT, CA  
[73] HUSKY INJECTION MOLDING SYSTEMS LTD., CA  
[85] 2014-05-29  
[86] 2012-11-29 (PCT/CA2012/050860)  
[87] (WO2013/091092)  
[30] US (61/577,216) 2011-12-19  
[30] US (61/586,223) 2012-01-13

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[11] **2,858,556**  
[13] C

[51] **Int.Cl. F01D 9/04 (2006.01)**  
[25] EN  
[54] **FAN HUB FRAME DOUBLE OUTLET GUIDE VANE**  
[54] **AUBAGE DIRECTEUR A DOUBLE SORTIE D'ARMATURE DE MOYEU DE VENTILATEUR**  
[72] HASTING, WILLIAM HOWARD, US  
[72] TUDOR, COURTNEY JAMES, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2014-06-06  
[86] 2012-12-07 (PCT/US2012/068400)  
[87] (WO2013/086291)  
[30] US (61/568,976) 2011-12-09  
[30] US (13/652,949) 2012-10-16

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[11] **2,858,557**  
[13] C

[51] **Int.Cl. F01D 9/04 (2006.01)**  
[25] EN  
[54] **DOUBLE FAN OUTLET GUIDE VANE WITH STRUCTURAL PLATFORMS**  
[54] **AUBAGE DIRECTEUR DE SORTIE A DOUBLE VENTILATEUR ET EQUIPE DE PLATES FORMES STRUCTURALES**  
[72] HASTING, WILLIAM HOWARD, US  
[72] TUDOR, COURTNEY JAMES, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2014-06-06  
[86] 2012-12-07 (PCT/US2012/068408)  
[87] (WO2013/086296)  
[30] US (61/568,976) 2011-12-09  
[30] US (13/652,955) 2012-10-16

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[11] **2,858,558**  
[13] C

[51] **Int.Cl. F01D 9/04 (2006.01)**  
[25] EN  
[54] **STRUCTURAL PLATFORMS FOR FAN DOUBLE OUTLET GUIDE VANE**  
[54] **PLATES FORMES STRUCTURALES POUR AUBAGE DIRECTEUR DE SORTIE A DOUBLE VENTILATEUR**  
[72] HASTING, WILLIAM HOWARD, US  
[72] TUDOR, COURTNEY JAMES, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2014-06-06  
[86] 2012-12-07 (PCT/US2012/068435)  
[87] (WO2013/086315)  
[30] US (61/568,976) 2011-12-09  
[30] US (13/652,970) 2012-10-16

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[13] C

[51] **Int.Cl. F01D 9/04 (2006.01)**  
[25] EN  
[54] **QUICK ENGINE CHANGE ASSEMBLY FOR OUTLET GUIDE VANES**  
[54] **ENSEMBLE DE CHANGEMENT RAPIDE DE MOTEUR POUR AUBAGES DIRECTEURS DE SORTIE**  
[72] HASTING, WILLIAM HOWARD, US  
[72] TUDOR, COURTNEY JAMES, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2014-06-06  
[86] 2012-12-07 (PCT/US2012/068424)  
[87] (WO2013/086305)  
[30] US (61/568,976) 2011-12-09  
[30] US (13/652,962) 2012-10-16

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[11] **2,859,183**  
[13] C

[51] **Int.Cl. E06B 1/70 (2006.01)**  
[25] EN  
[54] **PRESS-IN SILL EXTENDER FOR THRESHOLDS**  
[54] **ELARGISSEUR DE SEUIL A PRESSION POUR SEUILS**  
[72] VAN CAMP, BRENT, US  
[73] ENDURA PRODUCTS, INC., US  
[86] (2859183)  
[87] (2859183)  
[22] 2014-08-12  
[30] US (13/975,958) 2013-08-26

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[13] C

[51] **Int.Cl. B66B 15/04 (2006.01) B66B 5/00 (2006.01)**  
[25] EN  
[54] **TRACTION SHEAVE CLAMPING DEVICE**  
[54] **DISPOSITIF DE SERRAGE DE POULIE MOTRICE**  
[72] SCHUBERT, WOLFGANG, DE  
[72] HOFMANN, KLAUS, DE  
[72] SONNEBORN, STEPHAN, DE  
[73] SIEMAG TECBERG GMBH, DE  
[85] 2014-06-16  
[86] 2012-12-07 (PCT/EP2012/074851)  
[87] (WO2013/087540)  
[30] DE (10 2011 121 458.9) 2011-12-16

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[13] C

[51] **Int.Cl. C01B 33/193 (2006.01)**  
[25] FR  
[54] **PRECIPITATED-SILICA PRODUCTION METHOD**  
[54] **PROCEDE DE PREPARATION DE SILICES PRECIPITEES**  
[72] CLOUIN, MALIKA, FR  
[72] NEVEU, SYLVAIN, FR  
[73] RHODIA OPERATIONS, FR  
[85] 2014-06-17  
[86] 2012-12-19 (PCT/EP2012/076206)  
[87] (WO2013/092745)  
[30] FR (11/04089) 2011-12-23  
[30] FR (12/00217) 2012-01-25

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[11] **2,859,943**  
[13] C

[51] **Int.Cl. D06M 15/00 (2006.01) D03D 15/00 (2006.01) D06M 11/73 (2006.01) D06M 15/564 (2006.01) F41H 1/02 (2006.01)**  
[25] EN  
[54] **BULLETPROOF FABRIC AND BODY ARMOR MANUFACTURED BY USING SAME**  
[54] **TISSU PARE-BALLES ET TENUE DE PROTECTION CORPORELLE FABRIQUEE A L'AIDE DE CELUI-CI**  
[72] HAN, IN SIK, KR  
[73] KOLON INDUSTRIES, INC., KR  
[85] 2014-06-19  
[86] 2011-12-27 (PCT/KR2011/010129)  
[87] (WO2013/100213)

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[11] **2,860,006**  
[13] C

[51] **Int.Cl. G06Q 20/20 (2012.01)**  
[25] EN  
[54] **BANKCARD-SYSTEM BASED COMMUNICATION METHOD ACHIEVING INSTANTANEOUS SETTLEMENT BETWEEN MERCHANT, CONSUMER AND DISTRIBUTOR**  
[54] **PROCEDE DE COMMUNICATION BASE SUR UN SYSTEME DE CARTES BANCAIRES PERMETTANT UN REGLEMENT INSTANTANE ENTRE UN COMMERCANT, UN CONSOMMATEUR ET UN DISTRIBUTEUR**  
[72] LING, FANG, CN  
[73] LING, FANG, CN  
[85] 2014-06-20  
[86] 2011-12-30 (PCT/CN2011/085069)  
[87] (WO2013/091265)  
[30] CN (201110437860.8) 2011-12-23

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[11] **2,860,928**  
[13] C

[51] **Int.Cl. F01D 11/08 (2006.01) F01D 9/04 (2006.01) F01D 25/24 (2006.01)**  
[25] EN  
[54] **STATOR COMPONENT WITH SEGMENTED INNER RING FOR A TURBOMACHINE**  
[54] **ELEMENT FORMANT STATOR POURVU D'UNE BAGUE INTERIEURE SEGMENTEE POUR UNE TURBOMACHINE**  
[72] BRANDL, HERBERT, DE  
[72] BOSSMANN, HANS-PETER, DE  
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  
[85] 2014-07-10  
[86] 2013-01-25 (PCT/EP2013/051508)  
[87] (WO2013/110792)  
[30] EP (12152718.8) 2012-01-26

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[11] **2,861,234**  
[13] C

[51] **Int.Cl. F28D 9/00 (2006.01)**  
[25] EN  
[54] **PLATE HEAT EXCHANGER WITH IMPROVED STRENGTH IN PORT AREA**  
[54] **ECHANGEUR DE CHALEUR A PLAQUE PRESENTANT UNE RESISTANCE AMELIOREE DANS LA ZONE D'ORIFICE**  
[72] BADER, ROGER, SE  
[72] GUSTAVSSON, LARS EINAR, SE  
[72] HOKEVIK, JERRY, SE  
[73] ALFA LAVAL CORPORATE AB, SE  
[85] 2014-07-14  
[86] 2013-02-06 (PCT/SE2013/050098)  
[87] (WO2013/122529)  
[30] SE (1250120-1) 2012-02-14

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[11] **2,861,422**  
[13] C

[51] **Int.Cl. F16D 65/18 (2006.01) B61H 5/00 (2006.01) F16D 65/095 (2006.01) F16D 65/14 (2006.01)**  
[25] EN  
[54] **CALIPER BRAKE APPARATUS**  
[54] **DISPOSITIF DE FREIN A MACHOIRES**  
[72] SUZUKI, TSUTOMU, JP  
[72] OOKAWARA, YOSHIYUKI, JP  
[73] KYB CORPORATION, JP  
[85] 2014-07-15  
[86] 2012-11-29 (PCT/JP2012/080889)  
[87] (WO2013/118374)  
[30] JP (2012-022692) 2012-02-06

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[11] **2,861,726**  
[13] C

[51] **Int.Cl. B23B 27/04 (2006.01) B23B 29/04 (2006.01) B23D 61/16 (2006.01)**  
[25] EN  
[54] **CUTTING TOOL AND METHOD FOR EXTRACTING CUTTING INSERT THEREFROM**  
[54] **OUTIL DE COUPE ET PROCEDE D'EXTRACTION D'INSERT DE DECOUPE A PARTIR DE CELUI-CI**  
[72] HECHT, GIL, IL  
[73] ISCAR LTD., IL  
[85] 2014-06-26  
[86] 2012-12-05 (PCT/IL2012/050509)  
[87] (WO2013/102893)  
[30] US (61/582,763) 2012-01-03

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[11] **2,861,997**  
[13] C

[51] **Int.Cl. C22C 38/32 (2006.01) C21D 8/06 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/38 (2006.01)**  
[25] EN  
[54] **STEEL WIRE FOR BOLT, BOLT, AND MANUFACTURING PROCESSES THEREFOR**  
[54] **FIL D'ACIER POUR BOULON, BOULON ET LEURS PROCEDES DE FABRICATION**  
[72] SUGITA, ICHIRO, JP  
[72] TANIMOTO, MASARU, JP  
[72] CHIBA, MASAMICHI, JP  
[72] MATSUMOTO, YOUSUKE, JP  
[73] KABUSHIKI KAISHA KOBE SEIKO SHO, JP  
[73] SUGITA WIRE, LTD., JP  
[85] 2014-04-02  
[86] 2012-10-01 (PCT/JP2012/075401)  
[87] (WO2013/051513)  
[30] JP (2011-223114) 2011-10-07

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[11] **2,862,725**  
[13] C

[51] **Int.Cl. H04N 21/4405 (2011.01) H04L 9/08 (2006.01)**  
[25] EN  
[54] **ENCRYPTION/DECRYPTION OF PROGRAM DATA BUT NOT PSI DATA**  
[54] **CHIFFREMENT/DECHIFFREMENT DE DONNEES DE PROGRAMMES A L'EXCEPTION DES INFORMATIONS SPECIFIQUES PROGRAMME**  
[72] LEWIS, RICHARD, US  
[72] HAUGE, RAYMOND C., US  
[72] TURNER, RUDOLF, US  
[73] ZENITH ELECTRONICS CORPORATION, US  
[86] (2862725)  
[87] (2862725)  
[22] 2006-05-18  
[62] 2,609,505  
[30] US (11/137,272) 2005-05-25  
[30] US (11/342,460) 2006-01-30  
[30] US (11/342,479) 2006-01-30  
[30] US (11/343,060) 2006-01-30  
[30] US (11/342,472) 2006-01-31

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[11] **2,862,754**  
[13] C

[51] **Int.Cl. B03C 3/76 (2006.01)**  
[25] EN  
[54] **RAPPING AN ELECTROSTATIC PRECIPITATOR**  
[54] **FRAPPE D'UN PRECIPITATEUR ELECTROSTATIQUE**  
[72] MALEC, IRENEUSZ, PL  
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  
[85] 2014-07-02  
[86] 2013-01-24 (PCT/IB2013/050629)  
[87] (WO2013/111095)  
[30] EP (12461503.0) 2012-01-26

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[11] **2,862,789**  
[13] C

[51] **Int.Cl. H04W 52/02 (2009.01) H04W 24/08 (2009.01)**  
[25] EN  
[54] **RADIO TERMINAL, RADIO COMMUNICATION SYSTEM, AND RADIO COMMUNICATION METHOD**  
[54] **TERMINAL RADIO, SYSTEME DE COMMUNICATION RADIO ET PROCEDE DE COMMUNICATION RADIO**  
[72] OHTA, YOSHIKI, JP  
[72] TAJIMA, YOSHIHARU, JP  
[72] ITO, AKIRA, JP  
[73] FUJITSU LIMITED, JP  
[85] 2014-07-08  
[86] 2012-01-13 (PCT/JP2012/050540)  
[87] (WO2013/105260)

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[11] **2,863,140**  
[13] C

[51] **Int.Cl. C07D 473/34 (2006.01) A61K 31/522 (2006.01) A61P 37/06 (2006.01)**  
[25] EN  
[54] **PURINONE COMPOUNDS AS KINASE INHIBITORS**  
[54] **COMPOSES PURINONES COMME INHIBITEURS DE KINASE**  
[72] YAN, SHUNQI, US  
[72] WANG, LONGCHENG, US  
[72] FRYE, LEAH LYNN, US  
[72] CHEN, WEI, US  
[72] LOURY, DAVID J., US  
[73] PHARMACYCLICS LLC, US  
[85] 2014-07-29  
[86] 2013-01-30 (PCT/US2013/023918)  
[87] (WO2013/116382)  
[30] US (61/593,146) 2012-01-31  
[30] US (61/637,765) 2012-04-24  
[30] US (13/460,524) 2012-04-30

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[11] **2,863,237**  
[13] C

[51] **Int.Cl. E06B 7/10 (2006.01) E06B 3/673 (2006.01) E06B 7/02 (2006.01) F24F 7/02 (2006.01)**

[25] EN

[54] **MANUFACTURES, METHODS AND STRUCTURES TO REDUCE ENERGY TRANSFER IN BUILDINGS**

[54] **FABRICATIONS, PROCEDES ET STRUCTURES PERMETTANT DE REDUIRE LE TRANSFERT D'ENERGIE DANS LES BATIMENTS**

[72] CARDINAL, KEITH, US

[73] ALCOA INC., US

[86] (2863237)

[87] (2863237)

[22] 2014-09-12

[30] US (14/025,256) 2013-09-12

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[11] **2,863,951**  
[13] C

[51] **Int.Cl. F42B 6/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ALIGNING AN ARROW USING A NOCK**

[54] **PROCEDE ET APPAREIL POUR ALIGNER UNE FLECHE AU MOYEN D'UNE ENCOCHE**

[72] BEDNAR, RICHARD L., US

[72] SHAFFER, MICHAEL J., US

[72] HOUT, JACOB A., US

[73] HUNTER'S MANUFACTURING COMPANY, INC., US

[86] (2863951)

[87] (2863951)

[22] 2012-11-06

[62] 2,795,149

[30] US (61/556,527) 2011-11-07

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[11] **2,864,958**  
[13] C

[51] **Int.Cl. F28F 3/00 (2006.01) B23K 35/02 (2006.01) B23K 35/365 (2006.01) C22C 19/00 (2006.01) F28F 21/00 (2006.01)**

[25] EN

[54] **PLATE HEAT EXCHANGER**

[54] **ECHANGEUR DE CHALEUR A PLAQUES**

[72] SJODIN, PER, SE

[72] WALTER, KRISTIAN, SE

[73] ALFA LAVAL CORPORATE AB, SE

[85] 2014-08-19

[86] 2013-03-28 (PCT/EP2013/056737)

[87] (WO2013/144308)

[30] EP (12161742.7) 2012-03-28

[30] EP (PCT/EP2013/056530) 2013-03-27

[30] EP (PCT/EP2013/056604) 2013-03-27

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[11] **2,863,255**  
[13] C

[51] **Int.Cl. F16L 13/10 (2006.01) F16L 21/00 (2006.01) F16L 21/08 (2006.01)**

[25] EN

[54] **PIPE JOINING APPARATUS**

[54] **APPAREIL DE RACCORDEMENT DE TUYAUX**

[72] CONRAD, WAYNE ERNEST, CA

[73] OMACHRON INTELLECTUAL PROPERTY INC., CA

[86] (2863255)

[87] (2863255)

[22] 2014-09-12

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[11] **2,864,776**  
[13] C

[51] **Int.Cl. C11B 3/00 (2006.01) C11B 3/04 (2006.01)**

[25] EN

[54] **METHOD FOR ENZYMATIC OIL DEGUMMING**

[54] **COMPOSITION POUR LA DEMUCILAGINATION ENZYMATIQUE D'HUILES**

[72] SOHLING, ULRICH, DE

[72] BUBENHEIM, PAUL, DE

[72] SUCK, KIRSTIN, DE

[73] CLARIANT PRODUKTE (DEUTSCHLAND) GMBH, DE

[85] 2014-08-15

[86] 2013-02-18 (PCT/EP2013/053199)

[87] (WO2013/121047)

[30] DE (10 2012 003 031.2) 2012-02-17

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[11] **2,865,045**  
[13] C

[51] **Int.Cl. H04N 7/15 (2006.01)**

[25] EN

[54] **METHOD AND TERMINAL FOR VIDEO ENCODING IN MULTI-PARTY VIDEO COMMUNICATION**

[54] **PROCEDE ET TERMINAL POUR CODAGE VIDEO DANS UNE COMMUNICATION VIDEO MULTI-PARTIE**

[72] GU, CHENCHEN, CN

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

[85] 2014-08-20

[86] 2013-01-22 (PCT/CN2013/070833)

[87] (WO2013/123839)

[30] CN (201210040481.X) 2012-02-22

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[11] **2,863,272**  
[13] C

[51] **Int.Cl. F16L 13/10 (2006.01) F16L 1/06 (2006.01) F16L 21/00 (2006.01) F16L 21/08 (2006.01) F16L 55/00 (2006.01)**

[25] EN

[54] **METHOD OF JOINING PIPES AND FITTINGS**

[54] **METHODE DE RACCORDEMENT DE TUYAUX ET RACCORDS**

[72] CONRAD, WAYNE ERNEST, CA

[73] OMACHRON INTELLECTUAL PROPERTY INC., CA

[86] (2863272)

[87] (2863272)

[22] 2014-09-12

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[11] **2,865,255**  
[13] C

[51] **Int.Cl. B29C 45/73 (2006.01)**  
[25] EN  
[54] **INJECTION MOLD HAVING A SIMPLIFIED COOLING SYSTEM**  
[54] **MOULE POUR INJECTION AYANT UN SYSTEME DE REFROIDISSEMENT SIMPLIFIE**  
[72] ALTONEN, GENE MICHAEL, US  
[72] NEUFARTH, RALPH EDWIN, US  
[72] STEVENS, JOHN BOYET, US  
[72] PROSISE, ROBERT LAWRENCE, US  
[72] POLAND, JAMES EDWARD, US  
[72] LAYMAN, JOHN MONCRIEF, US  
[72] LUMPKIN, DANNY DAVID, US  
[73] IMFLUX, INC., US  
[85] 2014-08-21  
[86] 2013-02-22 (PCT/US2013/027353)  
[87] (WO2013/126723)  
[30] US (61/602,781) 2012-02-24

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[11] **2,867,956**  
[13] C

[51] **Int.Cl. C07C 217/28 (2006.01) C07D 295/08 (2006.01) C11D 1/62 (2006.01)**  
[25] EN  
[54] **QUATERNARY AMMONIUM HYDROXIDES**  
[54] **HYDROXYDES D'AMMONIUM QUATERNAIRE**  
[72] LITTLE, CHARLES B., US  
[73] SACHEM, INC., US  
[85] 2014-09-19  
[86] 2013-03-11 (PCT/US2013/030100)  
[87] (WO2013/148125)  
[30] US (13/430,985) 2012-03-27

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[11] **2,868,622**  
[13] C

[51] **Int.Cl. B04B 1/14 (2006.01) B04B 11/04 (2006.01)**  
[25] EN  
[54] **CENTRIFUGAL SEPARATOR AND METHOD OF CONTROLLING INTERMITTENT DISCHARGE**  
[54] **SEPARATEUR CENTRIFUGE ET PROCEDE DE COMMANDE D'UNE DECHARGE INTERMITTENTE**  
[72] THORWID, PETER, SE  
[72] ISAKSSON, ROLAND, SE  
[72] MOBERG, HANS, SE  
[72] HAGGMARK, CARL, SE  
[72] KROOK, GORAN, SE  
[73] ALFA LAVAL CORPORATE AB, SE  
[85] 2014-09-26  
[86] 2013-03-22 (PCT/EP2013/056036)  
[87] (WO2013/143999)  
[30] EP (12161412.7) 2012-03-27

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[11] **2,869,707**  
[13] C

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/01 (2006.01) G06F 3/14 (2006.01) G06F 9/44 (2006.01)**  
[25] EN  
[54] **DYNAMICALLY RE-SKINNING A WEB USER INTERFACE**  
[54] **REATTRIBUTION DYNAMIQUE D'HABILLAGE D'UNE INTERFACE UTILISATEUR WEB**  
[72] MARKOV, SVETOZAR, CA  
[72] FAN, XIAOMING, CA  
[72] REID, PAUL ANTHONY, CA  
[73] TITUS INC., CA  
[85] 2014-10-06  
[86] 2013-11-15 (PCT/CA2013/050876)  
[87] (WO2014/075189)  
[30] US (61/727,098) 2012-11-15  
[30] US (61/727,101) 2012-11-15

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[11] **2,869,875**  
[13] C

[51] **Int.Cl. A61C 3/02 (2006.01) A61C 13/00 (2006.01) B23C 5/10 (2006.01)**  
[25] EN  
[54] **MILLING METHOD FOR THE MANUFACTURE OF DENTAL PROSTHESES**  
[54] **PROCEDE DE FRAISAGE POUR LA FABRICATION DE PROTHESES DENTAIRE**  
[72] HUFSCHMIED, RALF, DE  
[73] HUFSCHMIED ZERSPANUNGSSYSTEME GMBH, DE  
[85] 2014-10-08  
[86] 2013-04-18 (PCT/EP2013/001153)  
[87] (WO2013/164068)  
[30] DE (10 2012 009 038.2) 2012-05-04

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[11] **2,870,043**  
[13] C

[51] **Int.Cl. A61L 9/12 (2006.01)**  
[25] EN  
[54] **AIR FRESHENER**  
[54] **DESODORISANT D'AIR**  
[72] LESNIAK, FRANK M., US  
[72] BRANDENBURG, KYLE, US  
[72] HICKMAN, JOHN R., US  
[73] BRANDYWINE PRODUCT GROUP INTERNATIONAL INC., US  
[85] 2014-10-08  
[86] 2013-04-30 (PCT/US2013/038730)  
[87] (WO2013/184251)  
[30] US (13/491,814) 2012-06-08

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[11] **2,870,395**  
[13] C

[51] **Int.Cl. A61H 1/00 (2006.01)**  
[25] EN  
[54] **LOWER LIMB BOUNCING DEVICE AND HIP JOINT STIMULATION METHOD**  
[54] **DISPOSITIF DE VIBRATION DE MEMBRE INFERIEUR, ET PROCEDE DE STIMULATION D'ARTICULATION DE LA HANCHE**  
[72] TSUKASAKO, KIKUNORI, JP  
[73] MKR-J CO., LTD., JP  
[85] 2014-10-14  
[86] 2013-02-21 (PCT/JP2013/054320)  
[87] (WO2013/172069)  
[30] JP (2012-111745) 2012-05-15

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[11] **2,871,940**  
[13] C

[51] **Int.Cl. E21B 43/14 (2006.01) E21B 33/138 (2006.01)**

[25] EN

[54] **METHODS FOR PROTECTING A HYDROCARBON-PRODUCING ZONE OF A SUBTERRANEAN FORMATION USING A RELATIVE PERMEABILITY MODIFIER**

[54] **METHODES DE PROTECTION D'UNE ZONE DE PRODUCTION D'HYDROCARBURES D'UNE FORMATION SOUTERRAINE A L'AIDE D'UN AGENT DE MODIFICATION DE PERMEABILITE RELATIVE**

[72] CURTICE, RICHARD JAMES, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2014-10-28

[86] 2013-05-16 (PCT/US2013/041384)

[87] (WO2013/173600)

[30] US (13/475,385) 2012-05-18

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[11] **2,874,354**  
[13] C

[51] **Int.Cl. E06B 7/28 (2006.01) E05C 7/04 (2006.01)**

[25] EN

[54] **ASTRAGAL WITH ADJUSTABLE LENGTH SHOOT BOLT DRIVE LINKAGE**

[54] **ASTRAGALE MUNI D'UN ORGANE D'ENTRAINEMENT DE VERROU DE LONGUEUR AJUSTABLE**

[72] MITCHELL, MIKE, US

[72] HEID, GEORGE, US

[73] ENDURA PRODUCTS, INC., US

[86] (2874354)

[87] (2874354)

[22] 2014-12-12

[30] US (14/159,846) 2014-01-21

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[11] **2,875,072**  
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) C12N 1/13 (2006.01) C12N 5/10 (2006.01) C12N 15/63 (2006.01) C12N 15/79 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **PROMOTERS AND TERMINATORS FOR USE IN EUKARYOTIC CELLS**

[54] **PROMOTEURS ET ELEMENTS DE TERMINAISON DESTINES A ETRE UTILISES DANS DES CELLULES EUCARYOTES**

[72] SCHNEIDER, JANE, C., US

[72] LIU, BO, US

[72] SESHADRI, REKHA, US

[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2014-11-27

[86] 2012-06-01 (PCT/US2012/040541)

[87] (WO2013/180734)

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[11] **2,875,811**  
[13] C

[51] **Int.Cl. C09D 7/12 (2006.01) C08K 9/10 (2006.01)**

[25] EN

[54] **OPACIFYING PARTICLES AND COMPOSITIONS FORMED THEREFROM**

[54] **PARTICULES OPACIFIANTES ET COMPOSITIONS OBTENUES A PARTIR DE CELLES-CI**

[72] BROWN, WARD THOMAS, US

[73] ROHM AND HAAS COMPANY, US

[86] (2875811)

[87] (2875811)

[22] 2011-03-28

[62] 2,735,453

[30] US (61/342,019) 2010-04-08

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[11] **2,876,053**  
[13] C

[51] **Int.Cl. B62D 25/16 (2006.01) B62D 25/08 (2006.01)**

[25] EN

[54] **FENDER SUPPORTING PORTION STRUCTURE**

[54] **STRUCTURE DE PARTIE DE SUPPORT D'AILE**

[72] IWANO, YOSHIHIRO, JP

[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

[85] 2014-12-08

[86] 2013-09-12 (PCT/JP2013/074760)

[87] (WO2014/069113)

[30] JP (2012-243314) 2012-11-05

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[11] **2,876,166**  
[13] C

[51] **Int.Cl. E21B 29/06 (2006.01) E21B 7/08 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR MANAGING MILLING DEBRIS**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE GERER DES DEBRIS DE BROYAGE**

[72] SAURER, DAN, US

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2014-12-09

[86] 2012-07-11 (PCT/US2012/046183)

[87] (WO2014/011162)

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[11] **2,876,391**  
[13] C

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/444 (2006.01) A61P 19/06 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **4-[5-(PYRIDIN-4-YL)-1H-1,2,4-TRIAZOL-3-YL]PYRIDINE-2-CARBONITRILE CRYSTALLINE POLYMORPH AND PRODUCTION METHOD THEREFOR**

[54] **4-[5-(PYRIDINE-4-YL)-1H-1,2,4-TRIAZOLE-3-YL]PYRIDINE-2-CARBONITRILE CRISTALLIN POLYMORPHE ET SON PROCEDE DE PRODUCTION**

[72] IWABUCHI, YOSHIYUKI, JP

[72] MIYATA, SACHIHO, JP

[72] SATO, TAKAHIRO, JP

[72] UDA, JUNICHIRO, JP

[72] KANDOU, TAKAMITSU, JP

[72] INOUE, TADASHI, JP

[72] NAKANO, HIROYUKI, JP

[73] FUJIYAKUHIN CO., LTD., JP

[85] 2014-12-11

[86] 2013-07-24 (PCT/JP2013/070004)

[87] (WO2014/017515)

[30] JP (2012-177539) 2012-07-25

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[11] **2,876,755**

[13] C

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[25] EN  
[54] **FLAT WIPING CLOTH WITH  
CLEANING LIP**  
[54] **REVETEMENT D'ESSUYAGE  
PLAT COMPRENANT UNE LEVRE  
DE NETTOYAGE**  
[72] EISENHUT, ANDREAS, DE  
[72] REIMAN, ULLA, FI  
[72] SAARI, ARI, FI  
[72] SMEIJER, DENNIS, NL  
[73] CARL FREUDENBERG KG, DE  
[85] 2014-12-15  
[86] 2013-03-19 (PCT/EP2013/000840)  
[87] (WO2014/000836)  
[30] DE (10 2012 012 402.3) 2012-06-25

[11] **2,877,014**

[13] C

- [51] **Int.Cl. A61F 2/88 (2006.01) A61F 2/82  
(2013.01) A61F 2/86 (2013.01)**  
[25] EN  
[54] **FLEXIBLE STENT DESIGN**  
[54] **CONCEPTION DE STENT SOUPLE**  
[72] DONOVAN, RYAN, US  
[72] MURALIDHARAN, PRASANNA, US  
[72] OVERAKER, DAVID W., US  
[72] MARREY, RAMESH, US  
[72] BURGERMEISTER, ROBERT, US  
[72] SHANLEY, JOHN F., US  
[73] CORDIS CORPORATION, US  
[86] (2877014)  
[87] (2877014)  
[22] 2010-02-02  
[62] 2,751,233  
[30] US (61/149244) 2009-02-02

[11] **2,877,448**

[13] C

- [51] **Int.Cl. A22C 25/16 (2006.01) A22C  
25/00 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR  
MONITORING A MEAT  
PROCESSING MACHINE**  
[54] **PROCEDE ET DISPOSITIF DE  
SURVEILLANCE D'UNE  
MACHINE DE  
TRANSFORMATION DE VIANDE**  
[72] JACOBSEN, ULF, DE  
[72] PEDERSEN, HENNING B., DK  
[73] NORDISCHER MASCHINENBAU  
RUD. BAADER GMBH + CO. KG, DE  
[85] 2014-12-19  
[86] 2013-07-31 (PCT/EP2013/066076)  
[87] (WO2014/023626)  
[30] DE (10 2012 107 278.7) 2012-08-08

[11] **2,877,519**

[13] C

- [51] **Int.Cl. E04C 2/26 (2006.01) B32B  
15/14 (2006.01) E04C 2/292 (2006.01)**  
[25] EN  
[54] **WALL ELEMENT**  
[54] **ELEMENT DE PAROI**  
[72] KIEHL, ANNA-LENA, DE  
[72] KLAUKE, PETER, DE  
[72] KLEINSCHMIDT, OLIVER, DE  
[72] LEWE, TOBIAS, DE  
[73] THYSSENKRUPP STEEL EUROPE  
AG, DE  
[85] 2014-12-22  
[86] 2013-06-18 (PCT/EP2013/062632)  
[87] (WO2014/001152)  
[30] DE (10 2012 105 628.5) 2012-06-27

[11] **2,877,646**

[13] C

- [51] **Int.Cl. C25C 3/14 (2006.01)**  
[25] EN  
[54] **A DEVICE FOR THE DOSED  
FEEDING OF RAW MATERIALS  
TO THE ALUMINIUM  
REDUCTION CELL**  
[54] **DISPOSITIF DESTINE A  
L'AMENEE DOSEE DES  
MATIERES PREMIERES A LA  
CUVE D'ELECTROLYSE  
D'ALUMINIUM**  
[72] URKOV, VLADIMIR  
VIKTOROVICH, RU  
[72] GUSEV, ALEKSANDR OLEGOVICH,  
RU  
[72] BATORSHIN, VLADIMIR  
PETROVICH, RU  
[72] PETROV, ALEKSANDR  
MIKHAYLOVICH, RU  
[73] OBSHCHESTVO S  
OGRANICHENNOY  
OTVETSTVENNOST'YU  
"OBEDINENNAYA KOMPANIYA  
RUSAL INZHENERNO-  
TEKHNOLOGICHESKIY TSENTR",  
RU  
[85] 2014-12-22  
[86] 2012-07-12 (PCT/RU2012/000564)  
[87] (WO2014/011073)

[11] **2,877,649**

[13] C

- [51] **Int.Cl. C25C 3/16 (2006.01)**  
[25] EN  
[54] **BUS BAR OF ALUMINIUM  
REDUCTION CELLS OF END-TO-  
END ARRANGEMENT**  
[54] **DISPOSITIFS DE BUS POUR  
ELECTROLYSEURS  
D'ALUMINIUM A DISPOSITION  
LONGITUDINALE**  
[72] VABISHCHEVICH, PETR  
NIKOLAEVICH, RU  
[72] GUSEV, ALEKSANDR OLEGOVICH,  
RU  
[72] BURTSEV, ALEKSEY  
GENNAD'EVICH, RU  
[73] OBSHCHESTVO S  
OGRANICHENNOY  
OTVETSTVENNOST'YU  
"OBEDINENNAYA KOMPANIYA  
RUSAL INZHENERNO-  
TEKHNOLOGICHESKIY TSENTR",  
RU  
[85] 2014-12-22  
[86] 2012-07-17 (PCT/RU2012/000572)  
[87] (WO2014/014373)

[11] **2,879,311**

[13] C

- [51] **Int.Cl. E01C 23/00 (2006.01)**  
[25] EN  
[54] **SHIELDING SYSTEM FOR  
HYDRODEMOLITION  
APPARATUS**  
[54] **DISPOSITIF DE PROTECTION  
DESTINE A UN APPAREIL  
D'HYDRODEMOLITION**  
[72] MACNEIL, DAVID, CA  
[72] MACNEIL, GERARD, CA  
[72] MACNEIL, JESSE, CA  
[72] MACNEIL, BRETT, CA  
[72] MACNEIL, GORDON, CA  
[72] BOSE, VERNON, CA  
[72] VAN GOOL, EDWARD, CA  
[73] MAC & MAC HYDRODEMOLITION  
INC., CA  
[86] (2879311)  
[87] (2879311)  
[22] 2015-01-22

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[11] **2,880,472**  
[13] C

[51] **Int.Cl. H04N 19/107 (2014.01) H04N 19/122 (2014.01) H04N 19/159 (2014.01) H04N 19/583 (2014.01) H04N 19/593 (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

[86] (2880472)  
[87] (2880472)  
[22] 2011-01-14  
[62] 2,787,006  
[30] KR (10-2010-0003554) 2010-01-14

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[11] **2,881,058**  
[13] C

[51] **Int.Cl. F17D 5/02 (2006.01) F16L 55/26 (2006.01) F17D 3/01 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR INSPECTING AND MONITORING A PIPELINE FLUID USING AN INLINE INSPECTION DEVICE HAVING OPTICAL COMPUTING DEVICES**

[54] **SYSTEMES ET METHODES D'INSPECTION ET DE SURVEILLANCE DU FLUIDE DANS UN PIPELINE AU MOYEN D'UN DISPOSITIF D'INSPECTION EN LIGNE COMPORTANT DES MECANISMES DE CALCUL OPTIQUES**

[72] TUNHEIM, OLA, NO  
[72] FREESE, ROBERT P., US  
[72] JONES, CHRISTOPHER MICHAEL, US

[72] ABNEY, LAURENCE JAMES, NO  
[72] MACLENNAN, JAMES ROBERT, GB  
[72] IDLAND, THOMAS, NO  
[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-02-04  
[86] 2013-09-10 (PCT/US2013/058901)  
[87] (WO2014/043070)  
[30] US (13/617,265) 2012-09-14

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[11] **2,881,288**  
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[51] **Int.Cl. E21B 23/06 (2006.01) E21B 23/01 (2006.01) E21B 23/14 (2006.01) E21B 33/12 (2006.01)**

[25] EN

[54] **DOWNHOLE TOOL AND METHOD FOR PASSING CONTROL LINE THROUGH TOOL**

[54] **OUTIL DE FOND DE Puits ET PROCEDE POUR FAIRE PASSER UNE LIGNE DE COMMANDE A TRAVERS L'OUTIL**

[72] SCRUGGS, JUSTIN R., US  
[72] PARKER, CHARLES D., US  
[72] GOODMAN, BRANDON C., US  
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[86] (2881288)  
[87] (2881288)  
[22] 2015-02-09  
[30] US (14/178,004) 2014-02-11

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[11] **2,881,896**  
[13] C

[51] **Int.Cl. F16K 17/36 (2006.01) F16K 31/10 (2006.01) F16K 31/72 (2006.01) F17D 5/00 (2006.01) F23N 5/24 (2006.01) F23Q 9/12 (2006.01) F24C 3/12 (2006.01)**

[25] EN

[54] **ELECTRIC GAS SHUTOFF VALVE**

[54] **SOUPAPE D'ARRET DE GAZ ELECTRIQUE**

[72] LIN, HUI-MING, TW  
[73] LIN, HUI-MING, TW

[86] (2881896)  
[87] (2881896)  
[22] 2014-12-29

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[11] **2,882,515**  
[13] C

[51] **Int.Cl. C08L 21/00 (2006.01) C08J 3/20 (2006.01) C08J 5/04 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08K 7/02 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01) C08L 9/02 (2006.01) C08L 9/06 (2006.01) C08L 11/00 (2006.01) C08L 23/16 (2006.01)**

[25] EN

[54] **RUBBER COMPOSITIONS REINFORCED WITH FIBERS AND NANOMETRIC FILAMENTARY STRUCTURES, AND USES THEREOF**

[54] **COMPOSITIONS DE CAOUTCHOUC RENFORCEES DE FIBRES ET STRUCTURES FILAMENTAIRES NANOMETRIQUES, ET LEURS UTILISATIONS**

[72] BEDARD, FRANCOIS, CA  
[72] DUBE, DENIS, CA  
[72] MACDONALD, LYLE, CA  
[72] COUE, JEAN-DAMIEN, CA  
[73] SOUCY TECHNO INC., CA

[85] 2015-02-19  
[86] 2013-08-30 (PCT/CA2013/000754)  
[87] (WO2014/032172)  
[30] US (61/695,585) 2012-08-31

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[13] C

[51] **Int.Cl. G06F 11/32 (2006.01) G06F 1/20 (2006.01) G06F 3/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR COMPUTER EQUIPMENT MANAGEMENT**

[54] **SYSTEMES ET PROCEDES POUR GESTION D'EQUIPEMENT INFORMATIQUE**

[72] SAWCZAK, STEPHEN D., US  
[72] KOMLENIC, TODD, US  
[72] ADAMS, MICHAEL, US  
[73] THE PNC FINANCIAL SERVICES GROUP, INC., US

[86] (2882998)  
[87] (2882998)  
[22] 2009-02-13  
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[30] US (61/065,935) 2008-02-15

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[13] C

[51] **Int.Cl. E21B 23/00 (2006.01)**  
[25] EN  
[54] **SECONDARY SYSTEM AND METHOD FOR ACTIVATING A DOWN HOLE DEVICE**  
[54] **SYSTEME SECONDAIRE ET PROCEDE POUR ACTIVER UN DISPOSITIF EN FOND DE TROU**  
[72] BUDLER, NICHOLAS FREDERICK, US  
[72] ACOSTA, FRANK, US  
[72] PALANIVEL, KUMARAN, SA  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-03-04  
[86] 2013-09-25 (PCT/US2013/061600)  
[87] (WO2014/052404)  
[30] US (13/628,955) 2012-09-27

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[11] **2,885,571**  
[13] C

[51] **Int.Cl. E21B 43/38 (2006.01) E21B 43/295 (2006.01)**  
[25] EN  
[54] **GAS SEPARATORS AND RELATED METHODS**  
[54] **SEPARATEURS DE GAZ ET PROCEDES CONNEXES**  
[72] OBREJANU, MARCEL, CA  
[73] PREMIUM ARTIFICIAL LIFT SYSTEMS LTD., CA  
[86] (2885571)  
[87] (2885571)  
[22] 2015-03-23

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[11] **2,886,721**  
[13] C

[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/14 (2014.01) H04N 19/176 (2014.01) H04N 19/513 (2014.01) H04N 19/70 (2014.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ENCODING VIDEO BY USING BLOCK MERGING, AND METHOD AND APPARATUS FOR DECODING VIDEO BY USING BLOCK MERGING**  
[54] **PROCEDE ET APPAREIL D'ENCODAGE VIDEO AU MOYEN D'UNE FUSION DE BLOCS, ET PROCEDE ET APPAREIL DE DECODAGE VIDEO AU MOYEN D'UNE FUSION DE BLOCS**  
[72] LEE, TAMMY, KR  
[72] HAN, WOO-JIN, KR  
[72] KIM, IL-KOO, KR  
[72] LEE, SUN-IL, KR  
[73] SAMSUNG ELECTRONICS CO., LTD., KR  
[86] (2886721)  
[87] (2886721)  
[22] 2011-07-07  
[62] 2,804,780  
[30] US (61/362,829) 2010-07-09  
[30] US (61/367,952) 2010-07-27  
[30] KR (10-2011-0006486) 2011-01-21

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[11] **2,888,312**  
[13] C

[51] **Int.Cl. G09F 21/04 (2006.01) B60R 11/02 (2006.01) H04N 5/64 (2006.01) H04N 7/00 (2011.01) H05K 11/02 (2006.01)**  
[25] EN  
[54] **SUBWAY TV MEDIA SYSTEM**  
[54] **SYSTEME DE TELEVISION POUR METRO**  
[72] BLAIR, SCOTT, CA  
[73] BLAIR, SCOTT, CA  
[86] (2888312)  
[87] (2888312)  
[22] 1998-05-06  
[62] 2,286,794  
[30] US (60/045,811) 1997-05-07

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[13] C

[51] **Int.Cl. E21B 33/14 (2006.01) E21B 33/16 (2006.01)**  
[25] EN  
[54] **TELESCOPING LATCHING MECHANISM FOR CASING CEMENTING PLUG**  
[54] **MECANISME DE VERROUILLAGE TELESCOPIQUE POUR ENSERRER UN BOUCHON DE CIMENTATION**  
[72] STAIR, TODD ANTHONY, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-04-15  
[86] 2013-10-16 (PCT/US2013/065248)  
[87] (WO2014/062806)  
[30] US (13/653,101) 2012-10-16

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[13] C

[51] **Int.Cl. B23B 51/00 (2006.01) B23B 41/00 (2006.01) E04B 1/41 (2006.01) E21D 20/00 (2006.01)**  
[25] EN  
[54] **SELF-UNDERCUT ANCHOR SYSTEM**  
[54] **SYSTEME D'ANCRAGE A CONTRE-DEPOUILLE AUTOMATIQUE**  
[72] COUSINEAU, ROBERT, CA  
[73] COUSINEAU, ROBERT, CA  
[85] 2015-04-13  
[86] 2014-06-25 (PCT/CA2014/050612)  
[87] (WO2014/205578)  
[30] US (61/839,274) 2013-06-25  
[30] US (61/846,933) 2013-07-16

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[11] **2,888,668**  
[13] C

[51] **Int.Cl. C10M 143/12 (2006.01)**  
[25] EN  
[54] **VISCOSITY INDEX IMPROVER, METHOD FOR PRODUCING SAME, AND OIL COMPOSITION**  
[54] **AMELIORANT D'INDICE DE VISCOSITE, SON PROCEDE DE PRODUCTION, ET COMPOSITION D'HUILE**  
[72] UEHARA, YOSUKE, JP  
[72] SASAKI, HIROMITSU, JP  
[73] KURARAY CO., LTD., JP  
[73] AMYRIS, INC., US  
[85] 2015-04-17  
[86] 2014-03-06 (PCT/JP2014/055800)  
[87] (WO2014/142001)  
[30] JP (2013-048290) 2013-03-11

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[13] C  
[51] **Int.Cl. B65D 88/52 (2006.01)**  
[25] EN  
[54] **COLLAPSIBLE INTERMODAL  
FLAT RACK**  
[54] **PLATEFORME INTERMODALE  
ESCAMOTABLE**  
[72] ADAMS, JAMES H., US  
[73] FONTAINE ENGINEERED  
PRODUCTS, INC., US  
[85] 2015-05-08  
[86] 2013-11-11 (PCT/US2013/069448)  
[87] (WO2014/074994)  
[30] US (61/724,547) 2012-11-09

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[11] **2,892,121**  
[13] C  
[51] **Int.Cl. H04N 19/159 (2014.01) H04N  
19/119 (2014.01) H04N 19/14  
(2014.01) H04N 19/176 (2014.01)  
H04N 19/61 (2014.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
ENCODING AND DECODING  
IMAGE THROUGH INTRA  
PREDICTION**  
[54] **PROCEDE ET APPAREIL POUR  
CODER ET DECODER UNE  
IMAGE PAR INTRA-PREDICTION**  
[72] MIN, JUNG-HYE, KR  
[72] LEE, SUN-IL, KR  
[72] HAN, WOO-JIN, KR  
[73] SAMSUNG ELECTRONICS CO.,  
LTD., KR  
[86] (2892121)  
[87] (2892121)  
[22] 2011-07-15  
[62] 2,805,230  
[30] US (61/364,986) 2010-07-16  
[30] KR (10-2010 0097424) 2010-10-06

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[11] **2,892,372**  
[13] C  
[51] **Int.Cl. H04W 92/18 (2009.01) H04W  
76/02 (2009.01)**  
[25] EN  
[54] **METHOD FOR SETTING  
COMMUNICATION IN WI-FI  
DIRECT SERVICE SYSTEM, AND  
APPARATUS THEREFOR**  
[54] **PROCEDE D'ETABLISSEMENT  
D'UNE COMMUNICATION DANS  
UN SYSTEME DE SERVICE WIFI  
DIRECT, ET APPAREIL ASSOCIE**  
[72] LEE, WOOKBONG, KR  
[72] LEE, BYUNGJOO, KR  
[72] KIM, JINHO, KR  
[72] KIM, DONGCHEOL, KR  
[72] CHO, HANGYU, KR  
[73] LG ELECTRONICS INC., KR  
[85] 2015-05-22  
[86] 2013-11-08 (PCT/KR2013/010124)  
[87] (WO2014/084519)  
[30] US (61/730,972) 2012-11-29  
[30] US (61/730,969) 2012-11-29  
[30] US (61/821,250) 2013-05-09

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[11] **2,892,469**  
[13] C  
[51] **Int.Cl. B65G 57/18 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR HANDLING  
ARTICLES**  
[54] **APPAREIL SERVANT A  
DEPLACER DES ARTICLES**  
[72] SMITH, RILEY EDWARD, CA  
[72] SMITH, KRISTOPHER KENNETH  
CLAYTON, CA  
[72] SMITH, EDWARD CLAYTON, CA  
[72] SMITH, DUSTIN TRAVIS, CA  
[73] 381572 ONTARIO LIMITED (O/A TS  
MANUFACTURING COMPANY), CA  
[85] 2015-05-19  
[86] 2013-11-25 (PCT/CA2013/000975)  
[87] (WO2014/078939)  
[30] US (61/729,751) 2012-11-26  
[30] US (61/775,781) 2013-03-11

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[11] **2,892,644**  
[13] C  
[51] **Int.Cl. F17D 1/00 (2006.01)**  
[25] EN  
[54] **PIPELINE CRADLE**  
[54] **BERCEAU POUR PIPELINE**  
[72] BOGIC, BRANISLAV, CA  
[73] CCI LAND HOLDINGS INC., CA  
[86] (2892644)  
[87] (2892644)  
[22] 2015-05-27

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[11] **2,893,251**  
[13] C  
[51] **Int.Cl. A01K 13/00 (2006.01)**  
[25] EN  
[54] **PROTECTIVE DEVICE FOR THE  
HEAD AND EARS OF AN ANIMAL**  
[54] **DISPOSITIF PROTECTEUR POUR  
LA TETE ET LES OREILLES D'UN  
ANIMAL**  
[72] HAUGHT, JULIE ANNE, US  
[73] HAUGHT, JULIE ANNE, US  
[86] (2893251)  
[87] (2893251)  
[22] 2015-05-26  
[30] US (62/003,356) 2014-05-27

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[11] **2,895,368**  
[13] C  
[51] **Int.Cl. E21B 43/36 (2006.01) E21B  
37/00 (2006.01) F16L 9/19 (2006.01)**  
[25] EN  
[54] **SUBSEA PROCESSING OF WELL  
FLUIDS**  
[54] **TRAITEMENT SOUS-MARIN DES  
FLUIDES DE FORAGE**  
[72] SATHANANTHAN, RATNAM, GB  
[72] POLLOCK, JAMES ARKLEY, NO  
[72] DAASVATN, SIGBJORN, NO  
[73] SUBSEA 7 NORWAY AS, NO  
[85] 2015-06-17  
[86] 2013-12-17 (PCT/EP2013/077001)  
[87] (WO2014/095941)  
[30] GB (1223326.8) 2012-12-21

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[11] **2,895,464**  
[13] C  
[51] **Int.Cl. G02B 1/04 (2006.01) A01N  
43/08 (2006.01) A45C 11/00 (2006.01)  
A61F 9/00 (2006.01) G02C 7/04  
(2006.01)**  
[25] EN  
[54] **OPHTHALMIC DEVICES FOR  
DELIVERY OF BENEFICIAL  
AGENTS**  
[54] **DISPOSITIFS OPHTALMIQUES  
POUR ADMINISTRER DES  
AGENTS A EFFET BENEFIQUE**  
[72] ROGERS, VICTORIA, US  
[72] LUK, ANDREW, US  
[72] BACK, ARTHUR, US  
[72] ZALIPSKY, SAMUEL, US  
[73] COOPERVISION INTERNATIONAL  
HOLDING COMPANY, LP, BB  
[85] 2015-06-17  
[86] 2013-12-20 (PCT/GB2013/053390)  
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[30] US (61/740,617) 2012-12-21

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[13] C

[51] **Int.Cl. C02F 1/469 (2006.01) C02F 1/42 (2006.01) C02F 1/44 (2006.01) C02F 1/46 (2006.01)**  
[25] EN  
[54] **MULTIVALENT ION SEPARATING DESALINATION PROCESS AND SYSTEM**  
[54] **PROCEDE ET SYSTEME DE DESSALEMENT PAR SEPARATION D'IONS MULTIVALENTS**  
[72] YIN, XIANGCHUN, CA  
[72] SPARROW, BENJAMIN STUART, CA  
[72] MAN, MALCOLM, CA  
[73] SALTWORKS TECHNOLOGIES INC., CA  
[85] 2015-06-26  
[86] 2014-03-06 (PCT/CA2014/050184)  
[87] (WO2014/134734)  
[30] US (61/774,530) 2013-03-07  
[30] US (61/814,317) 2013-04-21  
[30] US (61/898,278) 2013-10-31

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[11] **2,898,030**  
[13] C

[51] **Int.Cl. A61L 9/16 (2006.01)**  
[25] EN  
[54] **AIR DISINFECTION METHOD AND A DEVICE FOR IMPLEMENTATION THEREOF**  
[54] **PROCEDE DE DESINFECTION DE L'AIR ET UN DISPOSITIF DE MISE EN PLACE DUDIT PROCEDE**  
[72] NAGOLKIN, ALEXANDR VLADIMIROVICH, RU  
[72] VOLODINA, ELENA VLADIMIROVNA, RU  
[73] NAGOLKIN, ALEXANDR VLADIMIROVICH, RU  
[73] VOLODINA, ELENA VLADIMIROVNA, RU  
[86] (2898030)  
[87] (2898030)  
[22] 2015-07-21

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[11] **2,899,667**  
[13] C

[51] **Int.Cl. E21B 47/00 (2012.01)**  
[25] EN  
[54] **METHOD FOR DETERMINING A POSITION OF A WATER/CEMENT BOUNDARY BETWEEN PIPES IN A HYDROCARBON WELL**  
[54] **PROCEDE DE DETERMINATION D'UNE POSITION D'UNE LIMITE EAU/CIMENT ENTRE DES CONDUITES DANS UN Puits D'HYDROCARBURES**  
[72] KRIVOSHEEV, SERGEY IVANOVICH, RU  
[72] SVECHNIKOV, EVGENI LVOVICH, RU  
[72] ZHABKO, GEORGY PETROVICH, RU  
[72] BELOV, ANDREY ALEKSANDROVICH, RU  
[72] ADAMIAN, YURI EDUARDOVICH, RU  
[73] FMC KONGSBERG SUBSEA AS, NO  
[85] 2015-07-29  
[86] 2013-03-15 (PCT/EP2013/055407)  
[87] (WO2014/139585)

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[11] **2,902,719**  
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[51] **Int.Cl. C12N 15/113 (2010.01) A01H 1/00 (2006.01) A01H 5/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2006.01) C12N 15/29 (2006.01)**  
[25] EN  
[54] **DOWN-REGULATION OF GENE EXPRESSION USING ARTIFICIAL MICRORNAS**  
[54] **REGULATION A LA BAISSSE DE L'EXPRESSION DE GENES A L'AIDE DE MICRO-ARN ARTIFICIELS**  
[72] MCGONIGLE, BRIAN, US  
[73] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[86] (2902719)  
[87] (2902719)  
[22] 2008-12-17  
[62] 2,709,404  
[30] US (61/014,512) 2007-12-18

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[11] **2,902,723**  
[13] C

[51] **Int.Cl. C12N 15/113 (2010.01) A01H 1/00 (2006.01) A01H 5/00 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2006.01) C12N 15/29 (2006.01)**  
[25] EN  
[54] **DOWN-REGULATION OF GENE EXPRESSION USING ARTIFICIAL MICRORNAS**  
[54] **REGULATION A LA BAISSSE DE L'EXPRESSION DE GENES A L'AIDE DE MICRO-ARN ARTIFICIELS**  
[72] MCGONIGLE, BRIAN, US  
[73] E. I. DU PONT DE NEMOURS AND COMPANY, US  
[86] (2902723)  
[87] (2902723)  
[22] 2008-12-17  
[62] 2,709,404  
[30] US (61/014,512) 2007-12-18

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[11] **2,903,668**  
[13] C

[51] **Int.Cl. H02M 7/48 (2007.01) H02H 7/122 (2006.01)**  
[25] EN  
[54] **POWER SUPPLY DEVICE**  
[54] **DISPOSITIF D'ALIMENTATION ELECTRIQUE**  
[72] IMAI, NAOYA, JP  
[72] IKEDA, MASATAKA, JP  
[72] YAMAGUCHI, YASUKAZU, JP  
[72] EGUCHI, HIROYUKI, JP  
[72] FUJIKAWA, GO, JP  
[73] HONDA MOTOR CO., LTD., JP  
[73] SHINDENGEN ELECTRIC MANUFACTURING CO., LTD., JP  
[85] 2015-09-02  
[86] 2013-03-21 (PCT/JP2013/058152)  
[87] (WO2014/147801)

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[13] C

[51] **Int.Cl. B60G 11/26 (2006.01) B60G 11/27 (2006.01)**  
[25] EN  
[54] **VEHICLE SUSPENSION SYSTEM WITH RESERVOIR FOR AIR SPRING DAMPING**  
[54] **SYSTEME DE SUSPENSION DE VEHICULE COMPRENANT UN RESERVOIR POUR UN AMORTISSEMENT PAR RESSORT PNEUMATIQUE**  
[72] DELORENZIS, DAMON, US  
[73] WATSON & CHALIN MANUFACTURING, INC., US  
[73] HENDRICKSON USA, L.L.C., US  
[85] 2015-09-03  
[86] 2014-04-01 (PCT/US2014/032450)  
[87] (WO2014/165465)  
[30] US (13/855,788) 2013-04-03

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[11] **2,904,721**  
[13] C

[51] **Int.Cl. B01D 53/047 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR DISTRIBUTING FLOW**  
[54] **APPAREIL POUR DISTRIBUER UN ECOULEMENT**  
[72] LOMAX, FRANKLIN D., US  
[72] LEVY, JONATHAN, US  
[72] EBELING, CHRIS, US  
[72] TODD, RICHARD S., US  
[73] LUMMUS TECHNOLOGY INC., US  
[85] 2015-09-17  
[86] 2014-03-25 (PCT/US2014/031652)  
[87] (WO2014/160669)  
[30] US (13/851,708) 2013-03-27

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[13] C

[51] **Int.Cl. F16H 61/02 (2006.01) F16H 59/14 (2006.01) F16H 59/54 (2006.01) F16H 59/66 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR OPTIMIZING DOWNSHIFTING OF A TRANSMISSION DURING VEHICLE DECELERATION**  
[54] **SYSTEME ET PROCEDE D'OPTIMISATION DU RETROGRADAGE DES VITESSES D'UNE BOITE DE VITESSES LORS DE LA DECELERATION D'UN VEHICULE**  
[72] KRESSE, JOHN, US  
[72] BYERLY, JOHN A., US  
[72] DYGERT, TODD, US  
[72] RAINS, MARK A., US  
[73] ALLISON TRANSMISSION, INC., US  
[85] 2015-10-19  
[86] 2013-06-18 (PCT/US2013/046226)  
[87] (WO2014/182319)  
[30] US (61/820,441) 2013-05-07

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[13] C

[51] **Int.Cl. H04L 9/14 (2006.01)**  
[25] EN  
[54] **ENCRYPTION SOLUTION FOR PROTECTING FILE SYSTEMS IN MULTI-HOST CLUSTERS**  
[54] **SOLUTION DE CHIFFREMENT POUR PROTEGER DES SYSTEMES DE FICHIERS DANS DES GROUPES DE MULTIPLES HOTES**  
[72] SADROLASHRAFI, MOSOUD, US  
[73] VORMETRIC, INC., US  
[85] 2015-10-26  
[86] 2014-04-28 (PCT/US2014/035684)  
[87] (WO2015/016993)  
[30] US (61/816,598) 2013-04-26  
[30] US (14/015,954) 2013-08-30

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[13] C

[51] **Int.Cl. B60H 1/00 (2006.01) B60L 11/18 (2006.01) H01M 8/04 (2016.01)**  
[25] EN  
[54] **METHOD OF PREVENTING FUEL GAS FROM ENTERING CABIN OF MOBILE OBJECT INCLUDING FUEL CELL AND MOBILE OBJECT INCLUDING FUEL CELL**  
[54] **METHODE DE PREVENTION D'ENTREE DE GAZ DANS LA CABINE D'UN OBJET MOBILE, Y COMPRIS UNE PILE A COMBUSTIBLE ET OBJET MOBILE COMPORTANT LA PILE A COMBUSTIBLE**  
[72] SAITO, HIROMU, JP  
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[86] (2910445)  
[87] (2910445)  
[22] 2015-10-27  
[30] JP (2014-231666) 2014-11-14

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[13] C

[51] **Int.Cl. C01D 3/06 (2006.01) B01J 19/00 (2006.01) E01H 15/00 (2006.01) E02B 15/00 (2006.01)**  
[25] EN  
[54] **PONDS FOR COOLING AND/OR SALT RECOVERY**  
[54] **BASSINS DE REFROIDISSEMENT ET/OU DE RECUPERATION DE SEL**  
[72] CHINLOY, DAVID R., CA  
[72] ZHANG, JIANPING, CA  
[72] STAMATIOU, EVANGELOS, CA  
[73] HATCH LTD., CA  
[85] 2015-10-30  
[86] 2014-03-28 (PCT/CA2014/050320)  
[87] (WO2015/042697)  
[30] US (61/883,523) 2013-09-27

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[11] **2,911,123**  
[13] C

- [51] **Int.Cl. F15D 1/08 (2006.01) H05H 1/00 (2006.01)**  
[25] EN  
[54] **JET CONTROL DEVICES AND METHODS**  
[54] **DISPOSITIFS ET PROCÉDES DE REGULATION DE JET**  
[72] SUPONITSKY, VICTORIA, CA  
[72] BARSKY, SANDRA JUSTINE, CA  
[72] LABERGE, J. MICHEL G., CA  
[72] RICHARDSON, DOUGLAS HARVEY, CA  
[72] KOSTKA, PETER LESZEK, CA  
[73] GENERAL FUSION INC., CA  
[86] (2911123)  
[87] (2911123)  
[22] 2013-04-04  
[62] 2,867,362  
[30] US (61/620,326) 2012-04-04

[11] **2,911,924**  
[13] C

- [51] **Int.Cl. F04D 29/22 (2006.01) F04D 7/04 (2006.01) F04D 29/24 (2006.01)**  
[25] EN  
[54] **IMPROVEMENTS RELATING TO CENTRIFUGAL PUMP IMPELLERS**  
[54] **AMELIORATIONS SE RAPPORTANT A DES TURBINES DE POMPE CENTRIFUGE**  
[72] BURGESS, KEVIN EDWARD, AU  
[72] LIU, WEN-JIE, AU  
[72] LAVAGNA, LUIS MOSCOSO, AU  
[73] WEIR MINERALS AUSTRALIA LTD, AU  
[86] (2911924)  
[87] (2911924)  
[22] 2009-05-27  
[62] 2,725,539  
[30] AU (2008902665) 2008-05-27  
[30] AU (2009901137) 2009-03-16

[11] **2,911,931**  
[13] C

- [51] **Int.Cl. F04D 29/22 (2006.01) F04D 7/04 (2006.01) F04D 29/24 (2006.01)**  
[25] EN  
[54] **IMPROVEMENTS RELATING TO CENTRIFUGAL PUMP IMPELLERS**  
[54] **AMELIORATIONS SE RAPPORTANT A DES TURBINES DE POMPE CENTRIFUGE**  
[72] BURGESS, KEVIN EDWARD, AU  
[72] LIU, WEN-JIE, AU  
[72] LAVAGNA, LUIS MOSCOSO, AU  
[73] WEIR MINERALS AUSTRALIA LTD, AU  
[86] (2911931)  
[87] (2911931)  
[22] 2009-05-27  
[62] 2,725,539  
[30] AU (2008902665) 2008-05-27  
[30] AU (2009901137) 2009-03-16

[11] **2,911,940**  
[13] C

- [51] **Int.Cl. G06Q 50/30 (2012.01) G06K 17/00 (2006.01)**  
[25] EN  
[54] **AGGREGATING TAGS IN IMAGES**  
[54] **AGREGATION DE MARQUES DANS DES IMAGES**  
[72] STOOP, DIRK JOHN, US  
[72] LIU, LIU, US  
[73] FACEBOOK, INC., US  
[85] 2015-11-06  
[86] 2014-05-13 (PCT/US2014/037808)  
[87] (WO2014/186343)  
[30] US (13/894,640) 2013-05-15

[11] **2,914,072**  
[13] C

- [51] **Int.Cl. E04G 1/15 (2006.01) E04G 1/00 (2006.01) E04G 1/14 (2006.01)**  
[25] EN  
[54] **APPARATUS INCLUDES OVERHEAD HOARDING ASSEMBLY FOR SCAFFOLDING ASSEMBLY**  
[54] **APPAREIL COMPRENANT UN DISPOSITIF DE PALISSADE SURELEVE POUR ECHAFFAUDAGE**  
[72] YOUNG, DARREN E., CA  
[73] YOUNG, DARREN E., CA  
[86] (2914072)  
[87] (2914072)  
[22] 2015-12-07

[11] **2,917,245**  
[13] C

- [51] **Int.Cl. B32B 3/06 (2006.01) B32B 3/30 (2006.01) B32B 15/08 (2006.01) B32B 37/00 (2006.01)**  
[25] EN  
[54] **THIN LAYER LAMINATE**  
[54] **STRATIFIE A COUCHE MINCE**  
[72] ARBESMAN, RAY, CA  
[73] R.A. INVESTMENT MANAGEMENT S.A.R.L., LU  
[86] (2917245)  
[87] (2917245)  
[22] 2016-01-08  
[30] US (14/593,105) 2015-01-09

[11] **2,917,557**  
[13] C

- [51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 50/30 (2012.01)**  
[25] EN  
[54] **NETWORK-AWARE PRODUCT ROLLOUT IN ONLINE SOCIAL NETWORKS**  
[54] **MISE EN PLACE DE PRODUIT SENSIBLE AU RESEAU DANS DES RESEAUX SOCIAUX EN LIGNE**  
[72] MARLOW, CAMERON ALEXANDER, US  
[72] ECKLES, DEAN, US  
[72] KARRER, BRIAN, US  
[72] UGANDER, JOHAN, US  
[72] BACKSTROM, LARS SEREN, US  
[72] KLEINBERG, JON, US  
[73] FACEBOOK, INC., US  
[85] 2016-01-06  
[86] 2014-07-07 (PCT/US2014/045516)  
[87] (WO2015/006180)  
[30] US (13/939,093) 2013-07-10

[11] **2,917,581**  
[13] C

- [51] **Int.Cl. F02K 1/82 (2006.01) F02C 7/045 (2006.01) F02C 7/24 (2006.01) G10K 11/172 (2006.01)**  
[25] EN  
[54] **NOISE ABSORBING STRUCTURE COMPRISING A HONEYCOMB WITH AN INTERNAL SEPTUM**  
[54] **STRUCTURE ABSORBANT LE BRUIT EN NID D'ABEILLE DOTEE D'UNE CLOISON INTERNE**  
[72] ICHIHASHI, FUMITAKA, US  
[73] HEXCEL CORPORATION, US  
[85] 2016-01-06  
[86] 2014-07-24 (PCT/US2014/047952)  
[87] (WO2015/023412)  
[30] US (13/964,741) 2013-08-12

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[13] C  
[51] **Int.Cl. C12N 15/31 (2006.01) A61K 39/095 (2006.01) A61K 39/40 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 14/22 (2006.01) C07K 16/12 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 5/16 (2006.01) C12N 15/63 (2006.01) C12Q 1/68 (2006.01) G01N 33/48 (2006.01)**  
[25] EN  
[54] **ANTIGENS BASED ON NEISSERIA SPECIES ORF 2086 PROTEIN AND COMPOSITIONS COMPRISING SUCH ANTIGENS**  
[54] **ANTIGENES FONDES SUR LA PROTEINE ORF 2076 DE NEISSERIA ET COMPOSITIONS RENFERMANT DE TELS ANTIGENES**  
[72] ZLOTNICK, GARY W., US  
[72] FLETCHER, LEAH D., US  
[72] FARLEY, JOHN, US  
[72] BERNFIELD, LIESEL A., US  
[72] ZAGURSKY, ROBERT J., US  
[72] METCALF, BENJAMIN J., US  
[73] WYETH HOLDINGS CORPORATION, US  
[86] (2918207)  
[87] (2918207)  
[22] 2002-10-11  
[62] 2,894,296  
[30] US (60/328,101) 2001-10-11  
[30] US (60/406,934) 2002-08-30

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[13] C  
[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  
[73] 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

[11] **2,922,946**  
[13] C  
[51] **Int.Cl. E04B 1/68 (2006.01) E04B 1/94 (2006.01)**  
[25] EN  
[54] **EXPANSION JOINT SEAL SYSTEM**  
[54] **DISPOSITIF D'ETANCHEITE DE JOINT DE DILATATION**  
[72] ROBINSON, STEVEN R., US  
[73] SCHUL INTERNATIONAL COMPANY, LLC, US  
[86] (2922946)  
[87] (2922946)  
[22] 2016-03-04  
[30] US (14/643,031) 2015-03-10

[11] **2,924,342**  
[13] C  
[51] **Int.Cl. C10L 1/19 (2006.01) C10L 1/24 (2006.01) C10L 3/12 (2006.01)**  
[25] EN  
[54] **SULPHUR-FREE GAS ODORANT**  
[54] **ODORIZANT GAZEUX SANS SOUFRE**  
[72] ISBILEN, EMRAH, TR  
[72] KADAYIFCIOGLU, KEREM, TR  
[72] YASAR, MUZAFFER, TR  
[72] DOLDUR, UTKU, TR  
[73] AYGAZ ANONIM SIRKETI, TR  
[85] 2016-03-14  
[86] 2014-09-09 (PCT/TR2014/000336)  
[87] (WO2015/050509)  
[30] TR (2013/11505) 2013-10-01

[11] **2,926,147**  
[13] C  
[51] **Int.Cl. G10D 13/08 (2006.01) G10D 17/00 (2006.01) G10K 1/07 (2006.01)**  
[25] EN  
[54] **PERCUSSION INSTRUMENT**  
[54] **INSTRUMENT A PERCUSSION**  
[72] FLICEK, BRIAN G., US  
[73] FLICEK, BRIAN G., US  
[85] 2016-03-31  
[86] 2014-11-07 (PCT/US2014/064610)  
[87] (WO2015/070053)  
[30] US (61/901,629) 2013-11-08

[11] **2,928,503**  
[13] C  
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/168 (2006.01) F04B 43/08 (2006.01)**  
[25] EN  
[54] **INFUSION PUMP CASSETTE HAVING FINGER-BYPASSED IN-LINE OCCLUDER**  
[54] **CASSETTE DE POMPE A INFUSION DOTEE D'UN DISPOSITIF D'OCCLUSION EN LIGNE DEVIE**  
[72] JURTICH, JEFFERY T., US  
[72] MARSHALL, MICHAEL A., US  
[73] ZEVEK, INC., US  
[85] 2016-05-02  
[86] 2015-07-17 (PCT/US2015/040860)  
[87] (2928503)  
[30] US (62/093,198) 2014-12-17

[11] **2,933,488**  
[13] C  
[51] **Int.Cl. H04W 72/04 (2009.01)**  
[25] EN  
[54] **METHOD AND DEVICES FOR SIGNALING TRANSMISSION IN UNLICENSED BAND**  
[54] **PROCEDE ET DISPOSITIFS POUR SIGNALISATION DE TRANSMISSION DANS UNE BANDE SANS LICENCE**  
[72] JIANG, LEI, CN  
[72] LIU, HONGMEI, CN  
[72] WANG, GANG, CN  
[72] JIANG, CHUANGXIN, CN  
[72] SUN, ZHENNIAN, CN  
[73] NEC CORPORATION, JP  
[85] 2016-06-14  
[86] 2014-09-29 (PCT/CN2014/087797)  
[87] (WO2016/049810)

# Canadian Applications Open to Public Inspection

October 2, 2016 to October 8, 2016

## Demandes canadiennes mises à la disponibilité du public

2 octobre 2016 au 8 octobre 2016

<p>[21] <b>2,886,811</b> [13] A1 [51] <b>Int.Cl. G06Q 20/38 (2012.01) G06Q 20/10 (2012.01) G06Q 40/02 (2012.01)</b> [25] EN [54] <b>SECURE MOBILE ELECTRONIC PAYMENT SYSTEM AND CRYPTOCURRENCY SYSTEM WHERE ONLY THE BANK HAS THE KEY</b> [54] <b>SYSTEME DE PAIEMENT ELECTRONIQUE MOBILE SECURISE ET SYSTEME DE CHIFFREMENT DE MONNAIE POUR LESQUELS SEULE LA BANQUE DETIENT LA CLE</b> [72] UNKNOWN, ZZ [71] BRISSON, ANDRE J., CA [22] 2015-04-02 [41] 2016-10-02</p>	<p>[21] <b>2,886,830</b> [13] A1 [51] <b>Int.Cl. B63B 21/20 (2006.01) B63B 21/54 (2006.01) B63B 22/20 (2006.01)</b> [25] EN [54] <b>MOORING PENDANT</b> [54] <b>FANION DE MOUILLAGE</b> [72] STRUM, NICHOLAS M., CA [71] STRUM, NICHOLAS M., CA [22] 2015-04-07 [41] 2016-10-07</p>	<p>[21] <b>2,886,849</b> [13] A1 [51] <b>Int.Cl. G06Q 20/38 (2012.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01) G06Q 20/40 (2012.01)</b> [25] EN [54] <b>A SECURE MOBILE ELECTRONIC PAYMENT SYSTEM WHERE ONLY THE BANK HAS THE KEY, DISTRIBUTED KEY HANDSHAKES, ONE WAY AND TWO WAY AUTHENTICATION DISTRIBUTED KEY PROCESSES AND SETTING UP A DYNAMIC DISTRIBUTED KEY SERVER</b> [54] <b>UN SYSTEME DE PAIEMENT ELECTRONIQUE MOBILE SECURISE DANS LEQUEL SEULE LA BANQUE DETIENT LA CLE, CODES DE CLE DISTRIBUEE, PROCESSUS DE CLE DISTRIBUEE D~AUTHENTIFICATION UNIDIRECTIONNELLE ET BIDIRECTIONNELLE ET PARAMETRAGE D~UN SERVEUR DYNAMIQUE DE CLE DISTRIBUEE</b> [72] UNKNOWN, ZZ [71] BRISSON, ANDRE J., CA [22] 2015-04-07 [41] 2016-10-07</p>
<p>[21] <b>2,886,823</b> [13] A1 [51] <b>Int.Cl. A41D 13/02 (2006.01) A41D 1/06 (2006.01) A41D 27/00 (2006.01)</b> [25] EN [54] <b>UNITARY GARMENT WITH QUICK ACCESS OPENING</b> [54] <b>VETEMENT MONOPIECE A OUVERTURE D'ACCES RAPIDE</b> [72] HUETTNER, JODI L., CA [71] HUETTNER, JODI L., CA [22] 2015-04-02 [41] 2016-10-02</p>	<p>[21] <b>2,886,832</b> [13] A1 [51] <b>Int.Cl. E02F 3/46 (2006.01) E21C 27/30 (2006.01)</b> [25] EN [54] <b>PIN RETAINER</b> [54] <b>DISPOSITIF DE RETENUE DE TIGE</b> [72] GILL, PARAMDEEP, CA [72] HENKE, KRISTOFER, CA [72] CARBAUGH, ERIC, CA [71] EPIDOTE HOLDINGS LIMITED, CA [22] 2015-04-07 [41] 2016-10-07</p>	<p>[21] <b>2,886,847</b> [13] A1 [51] <b>Int.Cl. A61L 9/014 (2006.01) A61L 9/00 (2006.01)</b> [25] EN [54] <b>RE-ACTIVATABLE AIR PURIFICATION PAD WITH MOLECULAR SIEVES AND PROCESS</b> [54] <b>TAMPON DE PURIFICATION D'AIR REACTIVABLE COMPORTANT DES TAMIS MOLECULAIRES ET PROCEDE</b> [72] GAO, WEIMING, CA [71] GAO, WEIMING, CA [22] 2015-04-07 [41] 2016-10-07</p>
<p>[21] <b>2,886,825</b> [13] A1 [51] <b>Int.Cl. B60R 21/13 (2006.01)</b> [25] EN [54] <b>THE JOHNSON ATV SAFETY BAR</b> [54] <b>LA BARRE DE SECURITE JOHNSON POUR VTT</b> [72] JOHNSON, JERRY, US [72] JOHNSON, NADEJDA, I, US [71] JOHNSON, JERRY, US [71] JOHNSON, NADEJDA, I, US [22] 2015-04-02 [41] 2016-10-02</p>	<p>[21] <b>2,886,850</b> [13] A1 [51] <b>Int.Cl. H04L 9/00 (2006.01)</b> [25] EN [54] <b>A PROCESS FOR PREVENTING THE UNAUTHORIZED OR ILLEGAL USE OF WHITENOISE ENCRYPTION TECHNOLOGIES</b> [54] <b>UN PROCESSUS DE PREVENTION DE L'UTILISATION NON AUTORISEE OU ILLEGALE DE TECHNOLOGIES DE CHIFFREMENT AU MOYEN DU BRUIT BLANC</b> [72] BRISSON, ANDRE J., CA [71] BRISSON, ANDRE J., CA [22] 2015-04-07 [41] 2016-10-07</p>	

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[13] A1

[51] **Int.Cl. B01J 2/00 (2006.01)**  
[25] EN  
[54] **MULTISTAGE INLINE MATERIAL TREATMENT DEVICE**  
[54] **DISPOSITIF DE TRAITEMENT DE MATERIAU EN LIGNE EN PLUSIEURS ETAPES**  
[72] DAYTON, STUART L., CA  
[71] DAYTON, STUART L., CA  
[22] 2015-04-07  
[41] 2016-10-07

[21] **2,887,007**  
[13] A1

[51] **Int.Cl. F41J 5/26 (2006.01)**  
[25] EN  
[54] **EXPLODING TARGET**  
[54] **CIBLE EXPLOSIVE**  
[72] KRYWONIZKA, ANDREW M., CA  
[71] GRYPHON ENERGETICS INC., CA  
[22] 2015-04-07  
[41] 2016-10-07

[21] **2,887,178**  
[13] A1

[51] **Int.Cl. C25B 1/04 (2006.01) C25B 15/08 (2006.01)**  
[25] EN  
[54] **ELECTROLYSIS AND IN-HYDRO ELECTRO-RECOMBUSTION:FREE THERMAL ENERGY PRODUCTION BY ALTERNATING CURRENT.**  
[54] **ELECTROLYSE ET ELECTRO RECOMBUSTION EN EAU : PRODUCTION D'ENERGIE THERMIQUE GRATUITE PAR UN COURANT ALTERNATIF**  
[72] WELK, PAUL, CA  
[71] WELK, PAUL, CA  
[22] 2015-04-07  
[41] 2016-10-07

[21] **2,887,179**  
[13] A1

[51] **Int.Cl. A61H 33/00 (2006.01) A61H 33/02 (2006.01) A61H 33/06 (2006.01)**  
[25] EN  
[54] **MULTI-FUNCTIONAL PERSONAL HYGIENE SYSTEM (BATHTUB)**  
[54] **SYSTEME D'HYGIENE PERSONNELLE MULTIFONCTIONNEL (BAIGNOIRE)**  
[72] XU, LIUQING, CA  
[71] XU, LIUQING, CA  
[22] 2015-04-07  
[41] 2016-10-07

[21] **2,887,182**  
[13] A1

[51] **Int.Cl. A61F 9/04 (2006.01) A41D 13/11 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE SLEEP MASK**  
[54] **MASQUE DE SOMMEIL AJUSTABLE**  
[72] PARSONS, CHRIS, CA  
[71] PARSONS, CHRIS, CA  
[22] 2015-04-08  
[41] 2016-10-08

[21] **2,887,266**  
[13] A1

[51] **Int.Cl. B60P 7/135 (2006.01) A45C 13/18 (2006.01)**  
[25] EN  
[54] **BAGGAGE RESTRAINT SYSTEM**  
[54] **MECANISME DE MAINTIEN DE BAGAGE**  
[72] CROWE, BEN R., CA  
[71] CROWE, BEN R., CA  
[22] 2015-04-08  
[41] 2016-10-08

[21] **2,887,292**  
[13] A1

[51] **Int.Cl. E21B 43/14 (2006.01) E21B 43/119 (2006.01) E21B 43/26 (2006.01)**  
[25] EN  
[54] **PROCESSES FOR HYDRAULIC FRACTURING**  
[54] **PROCEDES DE FRACTURATION HYDRAULIQUE**  
[72] PYECROFT, JAMES FREDERICK, CA  
[72] CHERNIK, PETER, CA  
[72] LEHMANN, JURGEN, CA  
[72] MEEKS, DAVID, CA  
[72] BEARINGER, DOUGLAS, CA  
[71] NEXEN ENERGY ULC, CA  
[22] 2015-04-02  
[41] 2016-10-02

[21] **2,887,300**  
[13] A1

[51] **Int.Cl. C12N 15/55 (2006.01) C12N 15/113 (2010.01) C07K 14/195 (2006.01) C12N 1/21 (2006.01) C12N 9/16 (2006.01) C12N 9/20 (2006.01) C12N 15/31 (2006.01) C12N 15/63 (2006.01) C12N 15/67 (2006.01)**  
[25] EN  
[54] **NUCLEIC ACID MOLECULES FOR INCREASED PROTEIN PRODUCTION**  
[54] **MOLECULES D'ACIDE NUCLEIQUE DESTINEES A AUGMENTER LA PRODUCTION DE PROTEINES**  
[72] KNAPP, ANDREAS, DE  
[72] VOGET, SONJA, DE  
[72] DANIEL, ROLF, DE  
[72] JAEGER, KARL-ERICH, DE  
[71] BASF SE, DE  
[22] 2015-04-02  
[41] 2016-10-02

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[21] **2,887,481**  
[13] A1

[51] **Int.Cl. C09J 7/02 (2006.01) B32B 5/18 (2006.01) B32B 37/02 (2006.01) C09J 5/08 (2006.01) E04B 1/62 (2006.01) E04B 1/70 (2006.01)**

[25] EN

[54] **BUILDING MEMBRANE WITH POROUS PRESSURE SENSITIVE ADHESIVE**

[54] **MEMBRANE DE CONSTRUCTION DOTEE D'UN ADHESIF POREUX SENSIBLE A LA PRESSION**

[72] BESS, DANIEL, US  
[72] PIECINSKI, ROBERT, US  
[71] VAPROSHIELD, LLC, US  
[22] 2015-04-07  
[41] 2016-10-07

[21] **2,887,515**  
[13] A1

[51] **Int.Cl. B65G 33/14 (2006.01)**

[25] EN

[54] **HIGH CAPACITY CONVEYOR HOPPER**

[54] **TREMIE DE CONVOYEUR A GRANDE CAPACITE**

[72] BODIE, CAMERON DWIGHT, CA  
[72] TRATCH, JAIME NOLIN, CA  
[72] CARTERI, JONATHAN ROBERT, CA  
[72] KAEDING, MICHAEL RYAN, CA  
[71] BRANDT AGRICULTURAL PRODUCTS LTD., CA  
[22] 2015-04-08  
[41] 2016-10-08

[21] **2,887,753**  
[13] A1

[51] **Int.Cl. G01R 33/32 (2006.01) A61B 5/055 (2006.01) G01R 33/36 (2006.01)**

[25] EN

[54] **TRANSCEIVER COIL ARRAY FOR MR-GUIDED PROCEDURES**

[54] **RESEAU DE BOBINES DE TRANSDUCTEUR DESTINE AUX PROCEDURES GUIDEES PAR RESONNANCE MAGNETIQUE**

[72] HA, SEUNGHOO, US  
[72] ZHU, HAOQIN, US  
[72] PETROPOULOS, LABROS, US  
[72] DAHAN, MEIR, US  
[71] IMRIS, INC., US  
[22] 2015-04-02  
[41] 2016-10-02

[21] **2,887,773**  
[13] A1

[51] **Int.Cl. E04B 2/90 (2006.01) E04B 2/88 (2006.01)**

[25] EN

[54] **PERIMETER EXTRUSIONS AND KITS FOR BUILDING PANEL MOUNTING SYSTEMS, AND METHODS OF MAKING A PANEL ASSEMBLY**

[54] **EXTRUSIONS DE PERIMETRE ET TROUSSE DE CONSTRUCTION DE SYSTEMES D-INSTALLATION DE PANNEAUX, ET METHODES DE FABRICATION D-ENSEMBLE DE PANNEAUX**

[72] LIBREIRO, MIGUEL ANTONIO MOORE, CA  
[72] MCKINLEY, JOEL ADAM, CA  
[71] CARTER FABRICATING INC., CA  
[22] 2015-04-09  
[41] 2016-10-08  
[30] US (14/681,544) 2015-04-08

[21] **2,889,888**  
[13] A1

[51] **Int.Cl. E04C 5/20 (2006.01) E02D 29/16 (2006.01) E04C 2/06 (2006.01) E04C 5/07 (2006.01)**

[25] EN

[54] **INVERTED GROUT TUBE WITH ANGLED FILL SPOUT**

[54] **TUBE DE MORTIER LIQUIDE INVERSE DOTE D'UN BEC DE REMPLISSAGE INCLINE**

[72] THOMPSON, HARRY A., US  
[71] THOMPSON, HARRY A., US  
[22] 2015-04-30  
[41] 2016-10-07  
[30] US (14/680,146) 2015-04-07

[21] **2,891,789**  
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 15/00 (2006.01) B60P 1/36 (2006.01)**

[25] EN

[54] **SEED CARRIER WITH PIVOTING CONVEYOR**

[54] **CHARIOT DE SEMENCES EQUIPE D'UN TRANSPORTEUR PIVOTANT**

[72] PETERSEN, BRIAN JAMES, US  
[71] UNVERFERTH MANUFACTURING COMPANY, INC., US  
[22] 2015-05-15  
[41] 2016-10-07  
[30] US (62/144,150) 2015-04-07

[21] **2,891,893**  
[13] A1

[51] **Int.Cl. A01K 1/01 (2006.01) A01K 29/00 (2006.01)**

[25] EN

[54] **PET WASTE SYSTEM**

[54] **DISPOSITIF DE CONFINEMENT DE DEJECTIONS D'ANIMAL DE COMPAGNIE**

[72] NORMAN, ZACHARY, US  
[72] YOUN, NATALIE, US  
[71] BARK POTTY LLC, US  
[22] 2015-05-15  
[41] 2016-10-03  
[30] US (14/678,676) 2015-04-03

[21] **2,893,396**  
[13] A1

[51] **Int.Cl. B65D 85/66 (2006.01) B65B 11/00 (2006.01)**

[25] EN

[54] **HEADER FOR PACKAGING A ROLL OF PAPER**

[54] **CAVALIER DESTINE A L'EMBALLAGE D'UN ROULEAU DE PAPIER**

[72] MONGRAIN, YVON, CA  
[71] CASCADES CONVERSION INC., CA  
[22] 2015-05-29  
[41] 2016-10-07  
[30] US (62/143,989) 2015-04-07

[21] **2,900,838**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01) H04L 12/16 (2006.01)**

[25] EN

[54] **UNFAILING SELF-CORRECTING MODIFIED BOOLEAN SEARCH ENGINE**

[54] **MOTEUR DE RECHERCHE BOOLEEN MODIFIE AUTOCORRECTEUR A L'EPREUVE DES DEFAILLANCES**

[72] KAUFMANN, GARRY C., US  
[71] KAUFMANN, GARRY C., US  
[22] 2015-08-19  
[41] 2016-10-02  
[30] US (14677879) 2015-04-02

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[21] **2,901,611**  
[13] A1

[51] **Int.Cl. F16B 7/14 (2006.01) F16L 21/00 (2006.01)**  
[25] EN  
[54] **RETAINING MECHANISM FOR TELESCOPING POLE**  
[54] **MECANISME DE RETENUE D'UN POTEAU TELESCOPIQUE**  
[72] LAROUCHE, ANNIE, CA  
[72] LAROUCHE, ANNIE, CA  
[71] CPA POOL PRODUCTS, INC., CA  
[22] 2015-08-26  
[41] 2016-10-06  
[30] US (14/679,211) 2015-04-06

[21] **2,902,150**  
[13] A1

[51] **Int.Cl. A47C 3/02 (2006.01) A47C 3/04 (2006.01) A47C 5/12 (2006.01)**  
[25] EN  
[54] **STACKABLE MOLDED PLASTIC ROCKING CHAIR**  
[54] **CHAISE BERCEUSE EMPILABLE EN PLASTIQUE MOULE**  
[72] ADAMS, WILLIAM E., IV, US  
[72] GOODWORTH, MATTHEW, US  
[71] ADAMS MFG. CORP., US  
[22] 2015-08-28  
[41] 2016-10-08  
[30] US (14/681,221) 2015-04-08

[21] **2,914,874**  
[13] A1

[51] **Int.Cl. B64F 5/00 (2006.01) B64C 1/10 (2006.01)**  
[25] EN  
[54] **TOOL AND METHOD OF INSTALLING A BULKHEAD WITHIN A STRUCTURE**  
[54] **OUTIL ET METHODE D'INSTALLATION DE TRAVERSEE DE CLOISON A L'INTERIEUR D'UNE STRUCTURE**  
[72] ASKE, JAMES ALAN, US  
[72] PONTON, ANDREW J., US  
[71] THE BOEING COMPANY, US  
[22] 2015-12-11  
[41] 2016-10-03  
[30] US (14/678518) 2015-04-03

[21] **2,917,306**  
[13] A1

[51] **Int.Cl. G01R 19/00 (2006.01) B64D 15/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MINIMIZING MAGNETIC FIELD EFFECT ON AN ISOLATED MAGNETOMETER**  
[54] **SYSTEME ET METHODE DE REDUCTION DE L'EFFET DU CHAMP MAGNETIQUE SUR UN MAGNETOMETRE ISOLE**  
[72] DINH, NGHIA T., US  
[71] ROSEMOUNT AEROSPACE, INC., US  
[22] 2016-01-11  
[41] 2016-10-02  
[30] US (14/677,400) 2015-04-02

[21] **2,917,321**  
[13] A1

[51] **Int.Cl. G01H 1/12 (2006.01) G01H 1/14 (2006.01) G01H 3/06 (2006.01) G01H 11/08 (2006.01) G01M 7/02 (2006.01)**  
[25] EN  
[54] **VIBRATION MONITORING SYSTEMS**  
[54] **SYSTEMES DE SURVEILLANCE DE VIBRATIONS**  
[72] SMITH, NICHOLAS SAMUEL LEE, US  
[72] POTHIER, JARED R., US  
[72] MUNGER, CARY DEAN, US  
[71] THE BOEING COMPANY, US  
[22] 2016-01-11  
[41] 2016-10-08  
[30] US (14/681,939) 2015-04-08

[21] **2,919,020**  
[13] A1

[51] **Int.Cl. B01D 35/02 (2006.01) B29B 13/00 (2006.01)**  
[25] EN  
[54] **FILTER ELEMENTS**  
[54] **ELEMENTS DE FILTRE**  
[72] WHITLOCK, MICHAEL, US  
[71] PALL CORPORATION, US  
[22] 2016-01-22  
[41] 2016-10-06  
[30] US (14/679,543) 2015-04-06

[21] **2,919,341**  
[13] A1

[51] **Int.Cl. G01L 19/06 (2006.01) B64D 43/00 (2006.01) G01C 5/06 (2006.01) G01P 5/165 (2006.01)**  
[25] EN  
[54] **CORROSION-RESISTANT HEATED AIR DATA PROBE**  
[54] **SONDE DE DONNEES AERIENNES CHAUFFEE RESISTANTE A LA CORROSION**  
[72] GOLLY, TIMOTHY THOMAS, US  
[72] ANDERSON, MATTHEW P., US  
[72] JOHNSON, PAUL ROBERT, US  
[72] SEIDEL, GREG, US  
[71] ROSEMOUNT AEROSPACE, INC., US  
[22] 2016-01-27  
[41] 2016-10-02  
[30] US (62/142,341) 2015-04-02

[21] **2,919,822**  
[13] A1

[51] **Int.Cl. H05K 5/02 (2006.01) F02B 63/04 (2006.01) H02J 9/00 (2006.01) H02K 7/18 (2006.01)**  
[25] EN  
[54] **ELECTRICAL GENERATOR ASSEMBLY**  
[54] **MODULE DE GENERATEUR ELECTRIQUE**  
[72] SCHMIT, IAN, US  
[72] JENISON, LEIGH, US  
[72] SOTIRIADES, ALEKO D., US  
[72] SARDER, MARK J., US  
[71] CHAMPION ENGINE TECHNOLOGY, LLC, US  
[22] 2016-02-02  
[41] 2016-10-02  
[30] US (14/677,620) 2015-04-02

[21] **2,919,900**  
[13] A1

[51] **Int.Cl. E05B 1/00 (2006.01) E05B 9/00 (2006.01)**  
[25] EN  
[54] **EXIT DEVICE MOUNT WITH CLOSED TERMINATION**  
[54] **INSTALLATION DE DISPOSITIF DE SORTIE AYANT UNE EXTREMITE FERMEE**  
[72] HARRIS, THOMAS, US  
[72] EVELAND, DAVID, US  
[72] KELLY, JOHN F., III, US  
[71] ASSA ABLOY INC., US  
[22] 2016-02-04  
[41] 2016-10-06  
[30] US (14/679,078) 2015-04-06

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[13] A1

[51] **Int.Cl. G03B 43/00 (2006.01) G03B 35/26 (2006.01) H04N 13/04 (2006.01)**

[25] EN

[54] **STEREOSCOPIIC IMAGE DISPLAY APPARATUS WITH REMOTELY CONTROLLED ALIGNMENT FUNCTION AND METHOD OF DISPLAYING STEREOSCOPIIC IMAGE USING THE SAME**

[54] **APPAREIL D’AFFICHAGE D’UNE IMAGE STEREOSCOPIQUE DOTE D’UNE FONCTION D’ALIGNEMENT CONTROLEE A DISTANCE ET METHODE D’AFFICHAGE D’UNE IMAGE STEREOSCOPIQUE EMPLOYANT LEDIT APPAREIL**

[72] SO, BONG JAE, KR  
[72] KIM, YONG KYU, KR  
[72] KIM, YOUNG SUK, KR  
[71] MASTERIMAGE 3D ASIA, LLC., KR  
[22] 2016-02-09  
[41] 2016-10-06  
[30] KR (10-2015-0048228) 2015-04-06

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[21] **2,921,731**  
[13] A1

[51] **Int.Cl. A01D 41/127 (2006.01) A01D 41/00 (2006.01)**

[25] EN

[54] **COMBINE HARVESTER**

[54] **MOISSONNEUSE-BATTEUSE**

[72] HEITMANN, CHRISTOPH, DE  
[72] WILKEN, ANDREAS, DE  
[72] BAUMGARTEN, JOACHIM, DE  
[72] NEU, SEBASTIAN, DE  
[72] BUSSMANN, CHRISTOPH, DE  
[72] VOCKING, HENNER, DE  
[72] TERORDE, STEFAN, DE  
[72] VIEREGGE, CHRISTOPHER, DE  
[71] CLAAS SELBSTFAHRENDE ERNTEMASCHINEN GMBH, DE  
[22] 2016-02-25  
[41] 2016-10-02  
[30] DE (10 2015 004 343.9) 2015-04-02

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[21] **2,923,615**  
[13] A1

[51] **Int.Cl. E02B 3/06 (2006.01) E05D 7/00 (2006.01)**

[25] EN

[54] **LIGHTWEIGHT MODULAR PIER SYSTEM AND A HINGE SYSTEM FOR SAME**

[54] **SYSTEME DE QUAI MODULAIRE LEGER ET MECANISME DE CHARNIERE ASSOCIE**

[72] DOYLE, JAMES LAURENCE, CA  
[71] CIRCLE DYNAMICS INC., CA  
[22] 2016-03-14  
[41] 2016-10-07  
[30] US (62/144,250) 2015-04-07

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[21] **2,923,719**  
[13] A1

[51] **Int.Cl. B62M 6/80 (2010.01) B62M 6/40 (2010.01) B60K 11/06 (2006.01)**

[25] EN

[54] **COOLING METHOD FOR E-BIKE POWER AND ENERGY SYSTEMS**

[54] **METHODE DE REFROIDISSEMENT DESTINEE AUX SYSTEMES D’ENERGIE ET D’ALIMENTATION DE VELO ELECTRIQUE**

[72] HAYSLETT, STEVEN L., US  
[72] BAILIE, JESS R., US  
[72] BOSTWICK, PETER, US  
[72] LANNEN, RICHARD J., US  
[72] BRYANT, WADE W., US  
[71] GM GLOBAL TECHNOLOGY OPERATIONS LLC, US  
[22] 2016-03-15  
[41] 2016-10-02  
[30] US (14/677,627) 2015-04-02

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[21] **2,923,762**  
[13] A1

[51] **Int.Cl. F25B 6/00 (2006.01) F25B 39/04 (2006.01)**

[25] EN

[54] **VARIABLE CAPACITY CONDENSING UNIT**

[54] **MODULE DE CONDENSEUR A CAPACITE VARIABLE**

[72] MARTIN, NICOLE Z., US  
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US  
[22] 2016-03-16  
[41] 2016-10-07  
[30] US (62/143839) 2015-04-07

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[21] **2,923,922**  
[13] A1

[51] **Int.Cl. F21V 33/00 (2006.01) F21L 2/00 (2006.01) F21V 7/22 (2006.01) F21V 15/00 (2015.01) A47G 27/02 (2006.01)**

[25] EN

[54] **EDGE LIT FLOOR COVERING**

[54] **REVETEMENT DE PLANCHER ECLAIRE SUR LE REBORD**

[72] CROW, CARL EDWARD, US  
[72] ATHERTON, JAY, US  
[71] FREEMAN CAPITAL COMPANY, US  
[22] 2016-03-16  
[41] 2016-10-03  
[30] US (14/678,747) 2015-04-03

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[21] **2,924,115**  
[13] A1

[51] **Int.Cl. F04C 2/08 (2006.01) F04C 2/10 (2006.01) F04C 15/00 (2006.01)**

[25] EN

[54] **HIGH SPEED INTERNAL GEAR PUMP**

[54] **POMPE A ENGRENAGES INTERNE HAUTE VITESSE**

[72] MEYER, SCOTT M., US  
[72] TIMM, EMILY P., US  
[72] MIHM, CHRISTOPHER J., US  
[72] THOMPSON, NICOLAS V., US  
[71] VIKING PUMP, INC., US  
[22] 2016-03-17  
[41] 2016-10-08  
[30] US (14/681,279) 2015-04-08

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[21] **2,924,182**  
[13] A1

[51] **Int.Cl. B21D 53/74 (2006.01) E06B 3/673 (2006.01)**  
[25] EN  
[54] **METHOD FOR AUTOMATICALLY BENDING SPACER ELEMENTS FOR INSULATING GLASS PANES - DOUBLE GLAZINGS AND MACHINE FOR CARRYING OUT THE METHOD**  
[54] **METHODE DE COURBURE AUTOMATIQUE D'ELEMENTS ESPACEURS EN VUE D-ISOLER LES PANNEAUX DE VERRE A DOUBLE VITRAGE ET MACHINE SERVANT A MENER LA METHODE**  
[72] LATTUADA, GIOVAN BATTISTA, IT  
[71] LOMBARDA MACCHINE S.A.S. DI G.B. LATTUADA & C., IT  
[22] 2016-03-18  
[41] 2016-10-02  
[30] IT (MI2015A000472) 2015-04-02

[21] **2,924,430**  
[13] A1

[51] **Int.Cl. B65D 6/08 (2006.01)**  
[25] EN  
[54] **CONTAINER PRODUCED FROM A HELICALLY BENT SHEET METAL STRIP**  
[54] **CONTENANT PRODUIT A PARTIR D'UNE BANDE DE TOLE COURBEE HELOCOIDALE**  
[72] LIPP, XAVER, DE  
[71] LIPP, XAVER, DE  
[22] 2016-03-21  
[41] 2016-10-08  
[30] DE (10 2015 004 281.5) 2015-04-08

[21] **2,924,475**  
[13] A1

[51] **Int.Cl. F21K 9/60 (2016.01) F21V 29/70 (2015.01) F21K 9/68 (2016.01) F21V 23/00 (2015.01)**  
[25] EN  
[54] **HIGH BAY LIGHT FIXTURE**  
[54] **APPAREIL D'ECLAIRAGE EN HAUTEUR**  
[72] MORELLO, JARED TIMOTHY, US  
[72] WU, YINAN, US  
[72] MOON, JUSTIN THOMAS, US  
[72] MOORE, BRUCE ALLEN, US  
[72] PEARSON, JAMIE JO, US  
[71] ABL IP HOLDING, LLC, US  
[22] 2016-03-22  
[41] 2016-10-02  
[30] US (14/677,797) 2015-04-02

[21] **2,924,552**  
[13] A1

[51] **Int.Cl. B64D 43/00 (2006.01) B64D 45/00 (2006.01)**  
[25] FR  
[54] **DISPLAY SYSTEM FOR AN AIRCRAFT PROCEDURE INCLUDING SEVERAL SEQUENCES OF ALTERNATIVE STEPS AND ASSOCIATED PROCESS**  
[54] **SYSTEME DE VISUALISATION D'UNE PROCEDURE D'AERONEF COMPORTANT PLUSIEURS ENCHAINEMENTS ALTERNATIFS D'ETAPES ET PROCEDE ASSOCIE**  
[72] BRANTHOMME, ARNAUD, FR  
[72] CONSTANT, GILLES, FR  
[71] DASSAULT AVIATION, FR  
[22] 2016-03-21  
[41] 2016-10-08  
[30] FR (15 00 710) 2015-04-08

[21] **2,924,822**  
[13] A1

[51] **Int.Cl. F21S 2/00 (2016.01) F21V 15/015 (2006.01)**  
[25] EN  
[54] **IMPROVEMENTS IN OR RELATING TO MODULAR LUMINAIRE ASSEMBLIES**  
[54] **AMELIORATIONS CONCERNANT DES ENSEMBLES DE LUMINAIRES MODULAIRES**  
[72] GALLOPPA, SANDRO, BE  
[72] SALME, GUNTHER, BE  
[71] SCHREDER, BE  
[22] 2016-03-22  
[41] 2016-10-02  
[30] BE (2015/5217) 2015-04-02  
[30] EP (15 203 041.7) 2015-12-20

[21] **2,924,930**  
[13] A1

[51] **Int.Cl. G01M 15/05 (2006.01) G01L 23/22 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR ESTIMATING A TIME OF AN ENGINE EVENT**  
[54] **SYSTEMES ET METHODES D'ESTIMATION D'UN MOMENT D'UN EVENEMENT MOTEUR**  
[72] MATTHEWS, BRETT ALEXANDER, US  
[72] BIZUB, JEFFREY JACOB, US  
[72] BATAL, IYAD, US  
[72] WHEELER, FREDERICK WILSON, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2016-03-24  
[41] 2016-10-07  
[30] US (14/680,863) 2015-04-07

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[21] **2,924,931**  
[13] A1

[51] **Int.Cl. F01D 7/00 (2006.01) B64C 11/30 (2006.01) F01D 25/16 (2006.01) F02C 7/06 (2006.01)**

[25] EN  
[54] **FAN BEARINGS FOR A TURBINE ENGINE**  
[54] **ROULEMENTS DE VENTILATEUR POUR MOTEUR DE TURBINE**  
[72] MILLER, BRANDON WAYNE, US  
[72] NIERGARTH, DANIEL ALAN, US  
[72] VAN DER MERWE, GERT J., US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2016-03-24  
[41] 2016-10-06  
[30] US (14/679,096) 2015-04-06

[21] **2,924,934**  
[13] A1

[51] **Int.Cl. G01M 7/02 (2006.01) H04W 84/22 (2009.01) F04B 53/00 (2006.01) F04D 29/00 (2006.01) H04L 12/28 (2006.01)**

[25] EN  
[54] **NODAL DYNAMIC DATA ACQUISITION AND DISSEMINATION**  
[54] **ACQUISITION DE DONNEES DYNAMIQUES NODALES ET DISSEMINATION**  
[72] LOYCHIK, NEIL, US  
[72] KERNAN, DANIEL J., US  
[71] ITT MANUFACTURING ENTERPRISES LLC, US  
[22] 2016-03-24  
[41] 2016-10-08  
[30] US (14/681,577) 2015-04-08

[21] **2,924,936**  
[13] A1

[51] **Int.Cl. H02K 15/03 (2006.01) G05D 3/12 (2006.01)**

[25] EN  
[54] **CONTROLLED ASSEMBLY OF PERMANENT MAGNET MACHINES**  
[54] **ENSEMBLE CONTROLE DE MACHINES A AIMANT PERMANENT**  
[72] NIES, JACOB JOHANNES, DE  
[71] GE ENERGY POWER CONVERSION TECHNOLOGY LTD, GB  
[22] 2016-03-24  
[41] 2016-10-06  
[30] US (14/679,269) 2015-04-06

[21] **2,924,939**  
[13] A1

[51] **Int.Cl. B24D 7/04 (2006.01) B24D 7/00 (2006.01)**

[25] EN  
[54] **ROUGH GRINDING WHEEL COMPRISING A CORE**  
[54] **MEULE BRUTE COMPORTANT UN TROU CENTRAL**  
[72] MOOS, MARKUS, DE  
[72] CONRADI, BERND, DE  
[71] KLINGSPOR AG, DE  
[22] 2016-03-24  
[41] 2016-10-02  
[30] DE (10 2015 004 355.2) 2015-04-02

[21] **2,925,154**  
[13] A1

[51] **Int.Cl. A63F 9/00 (2006.01)**

[25] EN  
[54] **GAME SYSTEM**  
[54] **SYSTEME DE JEU**  
[72] WALKER, WILMER DAVID, JR., US  
[71] WALKER, WILMER DAVID, JR., US  
[22] 2016-03-24  
[41] 2016-10-02  
[30] US (14/677,793) 2015-04-02

[21] **2,925,250**  
[13] A1

[51] **Int.Cl. H02M 1/32 (2007.01) G05D 23/19 (2006.01) H01L 23/34 (2006.01)**

[25] EN  
[54] **IMPROVING LIFE OF A SEMICONDUCTOR BY REDUCING TEMPERATURE CHANGES THEREIN VIA SWITCHING FREQUENCY**  
[54] **AMELIORATION DE LA DUREE UTILE D'UN SEMICONDUCTEUR PAR LA REDUCTION DES CHANGEMENTS DE TEMPERATURE INTERNE AU MOYEN DE CHANGEMENT DE FREQUENCE**  
[72] SMITH, DAVID, US  
[72] WAGONER, ROBERT GREGORY, US  
[71] GE ENERGY POWER CONVERSION TECHNOLOGY LTD, GB  
[22] 2016-03-29  
[41] 2016-10-03  
[30] US (14/677,995) 2015-04-03

[21] **2,925,252**  
[13] A1

[51] **Int.Cl. G01N 1/22 (2006.01) G01R 31/00 (2006.01)**

[25] EN  
[54] **TRACE GAS MEASUREMENT APPARATUS FOR ELECTRICAL EQUIPMENT**  
[54] **APPAREIL DE MESURE DE GAZ A L'ETAT DE TRACES DESTINE A UN EQUIPEMENT ELECTRIQUE**  
[72] ROBINSON, DAVID PETER, GB  
[72] CALVERT, CHRISTOPHER RAYMOND, GB  
[72] OWENS, AIDAN, GB  
[72] DUFFY, MARTIN, GB  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2016-03-29  
[41] 2016-10-02  
[30] US (14/677,537) 2015-04-02

[21] **2,925,308**  
[13] A1

[51] **Int.Cl. A23L 7/10 (2016.01) A23K 10/30 (2016.01) A23L 5/20 (2016.01) A23L 7/00 (2016.01) C11B 1/10 (2006.01) C07K 14/425 (2006.01)**

[25] EN  
[54] **METHOD FOR REDUCING PROLAMINE CONTENT OF CEREAL PRODUCTS**  
[54] **METHODE DE REDUCTION DE LA TENEUR EN PROLAMINE DES PRODUITS CEREAALIERS**  
[72] SHANE, PHILIP L., US  
[72] CHERYAN, MUNIR, US  
[72] KNAPP, SHAUN, US  
[71] PRAIRIE GOLD, INC., US  
[22] 2016-03-29  
[41] 2016-10-02  
[30] US (14/677,408) 2015-04-02

[21] **2,925,384**  
[13] A1

[51] **Int.Cl. F16L 55/07 (2006.01) F16K 24/00 (2006.01) F16K 24/04 (2006.01)**

[25] EN  
[54] **VENTILATING VALVE FOR A SEWER PIPE**  
[54] **SOUPAPE D'AERATION DESTINEE A UN CONDUIT D'EGOUT**  
[72] DOBROWOLSKI, MACIEJ, PL  
[71] CAPRICORN S.A., PL  
[22] 2016-03-29  
[41] 2016-10-02  
[30] DE (DE 10 2015 004 532.6) 2015-04-02

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[21] **2,925,520**  
[13] A1

[51] **Int.Cl. B62H 3/00 (2006.01) B62H 5/00 (2006.01)**  
[25] EN  
[54] **SPACE-SAVING BICYCLE PARKING STRUCTURE**  
[54] **STRUCTURE DE STATIONNEMENT DE VELOS PERMETTANT DE SAUVER DE L'ESPACE**  
[72] GREENBLATT, JOEL, US  
[72] LAGESON, ANDREW KENNEDY, US  
[71] EVERLAST CLIMBING INDUSTRIES, INC., US  
[22] 2016-03-30  
[41] 2016-10-02  
[30] US (14/677,650) 2015-04-02

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[21] **2,925,530**  
[13] A1

[51] **Int.Cl. G01F 23/00 (2006.01)**  
[25] EN  
[54] **BEVERAGE INVENTORY SYSTEMS AND METHODS**  
[54] **SYSTEMES ET METHODES DE CONSTITUTION D'INVENTAIRE DE BOISSONS**  
[72] FURLOTTE, JEAN-ANDRE, CA  
[72] PATEL, DEESON SHUKKARBHAI, CA  
[72] LOBO, KEITH BRIAN, CA  
[72] LOBO, KEEGAN JAMES, CA  
[72] YOGENDRAN, BONIFACE JEYANTHAN ANJALO, CA  
[71] VESSEL INNOVATIONS INC., CA  
[22] 2016-03-31  
[41] 2016-10-02  
[30] US (62/141,967) 2015-04-02

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[21] **2,925,532**  
[13] A1

[51] **Int.Cl. F02D 45/00 (2006.01) F02D 19/00 (2006.01) F02D 41/30 (2006.01)**  
[25] EN  
[54] **CONTROL DEVICE FOR ENGINE**  
[54] **DISPOSITIF DE COMMANDE DE MOTEUR**  
[72] KITTAKA, TOMOYUKI, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[22] 2016-03-31  
[41] 2016-10-07  
[30] JP (2015-078681) 2015-04-07

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[21] **2,925,544**  
[13] A1

[51] **Int.Cl. G01V 9/00 (2006.01) G01K 11/32 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR MONITORING A SUBMARINE CABLE**  
[54] **METHODE ET DISPOSITIF DE SURVEILLANCE D'UN CABLE SOUS-MARIN**  
[72] HILL, WIELAND, DE  
[72] SCHAFER, PETER, DE  
[72] OLSCHIEWSKI, MARTIN, DE  
[71] LIOS TECHNOLOGY GMBH, DE  
[22] 2016-03-31  
[41] 2016-10-07  
[30] DE (10 2015 105 241.5) 2015-04-07  
[30] DE (10 2015 109 493.2) 2015-06-15

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[21] **2,925,654**  
[13] A1

[51] **Int.Cl. H04L 12/26 (2006.01) H04L 12/811 (2013.01)**  
[25] EN  
[54] **EXTENSIBLE ANALYTICS AND RECOMMENDATION ENGINE FOR NETWORK TRAFFIC DATA**  
[54] **MOTEUR D'ANALYSE ET DE RECOMMANDATION MODULABLE DES DONNEES DE TRAFIC RESEAU**  
[72] VERES, GREG, CA  
[72] LOOP, SANDRA, CA  
[71] EXINDA NETWORKS PTY, LTD., CA  
[22] 2016-03-30  
[41] 2016-10-02  
[30] US (14/677,624) 2015-04-02

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[21] **2,925,666**  
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01)**  
[25] EN  
[54] **MAGNETIC LOCK SYSTEM**  
[54] **MECANISME D'HORLOGE MAGNETIQUE**  
[72] CIECHA, HERNAN, CA  
[71] LES INDUSTRIES CAPITOL INC., CA  
[22] 2016-03-31  
[41] 2016-10-02  
[30] US (62/142,276) 2015-04-02

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[21] **2,925,717**  
[13] A1

[51] **Int.Cl. H04L 12/26 (2006.01) H04L 12/24 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR TRIGGERING AUGMENTED DATA COLLECTION ON A NETWORK BASED ON TRAFFIC PATTERNS**  
[54] **METHODE ET SYSTEME DE DECLenchement DE COLLECTE DE DONNEES AUGMENTEES SUR UN RESEAU EN FONCTION DE MOTIFS DE TRAFIC**  
[72] VERES, GREG, CA  
[72] LOOP, SANDRA, CA  
[71] EXINDA NETWORKS PTY, LTD., CA  
[22] 2016-03-31  
[41] 2016-10-07  
[30] US (14/680,744) 2015-04-07

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[21] **2,925,766**  
[13] A1

[51] **Int.Cl. B27B 33/02 (2006.01) B23D 61/06 (2006.01)**  
[25] EN  
[54] **SAW TOOTH**  
[54] **DENT DE SCIE**  
[72] MAC LENNAN, STEPHEN, CA  
[71] MAC LENNAN, STEPHEN, CA  
[22] 2016-04-01  
[41] 2016-10-02  
[30] US (62/142,142) 2015-04-02

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[21] **2,925,770**  
[13] A1

[51] **Int.Cl. H02K 16/02 (2006.01) B61C 3/00 (2006.01) H02K 7/18 (2006.01)**  
[25] EN  
[54] **ELECTRIC GENERATOR FOR DIESEL ELECTRIC LOCOMOTIVE**  
[54] **GENERATEUR ELECTRIQUE DESTINE A UNE LOCOMOTIVE ELECTRIQUE DIESEL**  
[72] EMADI, ALI, CA  
[72] HOU, RUOYU, CA  
[72] YANG, YINYE, CA  
[71] MCMMASTER UNIVERSITY, CA  
[22] 2016-04-01  
[41] 2016-10-02  
[30] US (62/141,889) 2015-04-02

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[21] **2,925,776**  
[13] A1

[51] **Int.Cl. A62B 35/00 (2006.01)**  
[25] EN  
[54] **FALL PROTECTION DEVICE**  
[54] **DISPOSITIF ANTI-CHUTE**  
[72] HUEHN, ALEXANDER, DE  
[71] IVECO MAGIRUS AG, DE  
[22] 2016-03-31  
[41] 2016-10-03  
[30] EP (15248049.7) 2015-04-03

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[21] **2,925,794**  
[13] A1

[51] **Int.Cl. B60P 3/00 (2006.01)**  
[25] EN  
[54] **MOUNTING STRUCTURE WITH ABULATING TRANSPORT SYSTEM**  
[54] **STRUCTURE D'INSTALLATION DOTEE D'UN DISPOSITIF DE TRANSPORT DE ROUTINE**  
[72] SMITH, SHAWN R., US  
[72] SMITH, HARLAN B., US  
[71] ENTRO INDUSTRIES, INC., US  
[22] 2016-03-31  
[41] 2016-10-07  
[30] US (62/144,265) 2015-04-07

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[21] **2,925,830**  
[13] A1

[51] **Int.Cl. G08B 21/24 (2006.01) H04W 84/18 (2009.01)**  
[25] EN  
[54] **SYSTEM FOR PROMPTING EVENTS**  
[54] **SYSTEME D'ALERTE D'EVENEMENTS**  
[72] EAMES, MADELEINE, CA  
[71] EAMES, MADELEINE, CA  
[22] 2016-04-04  
[41] 2016-10-03  
[30] US (62/142,807) 2015-04-03

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[21] **2,925,831**  
[13] A1

[51] **Int.Cl. F03D 80/00 (2016.01) F03D 1/06 (2006.01) F15D 1/10 (2006.01)**  
[25] EN  
[54] **LOAD COMPENSATING DEVICES**  
[54] **DISPOSITIFS DE COMPENSATION DE CHARGE**  
[72] KHAN, JEHAN Z., US  
[72] BAKER, JONATHON P., US  
[72] TIAN, QING, US  
[71] FRONTIER WIND, LLC, US  
[22] 2016-04-05  
[41] 2016-10-08  
[30] US (14/681,703) 2015-04-08

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[21] **2,925,832**  
[13] A1

[51] **Int.Cl. F15D 1/10 (2006.01) F03D 80/00 (2016.01) F03D 1/06 (2006.01)**  
[25] EN  
[54] **LOAD COMPENSATING DEVICES**  
[54] **DISPOSITIFS DE COMPENSATION DE CHARGE**  
[72] TIAN, QING, US  
[72] KHAN, JEHAN Z., US  
[72] BAKER, JONATHON P., US  
[71] FRONTIER WIND, LLC, US  
[22] 2016-04-05  
[41] 2016-10-08  
[30] US (14/681,737) 2015-04-08

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[21] **2,925,890**  
[13] A1

[51] **Int.Cl. E01B 31/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PLACEMENT OF RAILROAD TIE PLATE**  
[54] **SYSTEME ET METHODE DE POSITIONNEMENT D'UNE SELLE DE RAIL**  
[72] HARMAN, JEFFREY KYLE, US  
[71] HARMAN, JEFFREY KYLE, US  
[22] 2016-04-05  
[41] 2016-10-05  
[30] US (62/143,175) 2015-04-05  
[30] US (62/286,457) 2016-01-25  
[30] US (62/297,794) 2016-02-19

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[21] **2,925,893**  
[13] A1

[51] **Int.Cl. F16D 11/00 (2006.01) F16D 19/00 (2006.01) F16D 23/12 (2006.01)**  
[25] EN  
[54] **SELECTABLE ONE-WAY CLUTCH**  
[54] **EMBRAYAGE UNIDIRECTIONNEL A SELECTION**  
[72] ITAGAKI, KENJI, JP  
[72] MAGARIDA, NAOFUMI, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[22] 2016-04-05  
[41] 2016-10-08  
[30] JP (2015-078999) 2015-04-08

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[21] **2,925,896**  
[13] A1

[51] **Int.Cl. B32B 3/06 (2006.01) B32B 3/12 (2006.01) B32B 7/12 (2006.01) B32B 37/12 (2006.01) F02C 7/24 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR SECURELY CONNECTING PORTIONS OF A COMPOSITE STRUCTURE TOGETHER**  
[54] **SYSTEME ET METHODE DE RACCORD SECURITAIRE DE PARTIES D'UNE STRUCTURE COMPOSITE**  
[72] TAYLOR, BRUCE, CA  
[72] GIBBINGS, GEOFFREY, CA  
[72] BRAUN, RUDY, CA  
[72] ADVENT, KYLE CHRISTOPHER, CA  
[71] THE BOEING COMPANY, US  
[22] 2016-04-01  
[41] 2016-10-03  
[30] US (62/142767) 2015-04-03  
[30] US (14/940397) 2015-11-13

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[21] **2,925,899**  
[13] A1

[51] **Int.Cl. G01N 35/02 (2006.01) C12M 1/00 (2006.01) C12M 1/34 (2006.01)**  
[25] EN  
[54] **REAGENT MANAGEMENT SYSTEM**  
[54] **SYSTEME DE GESTION D'AGENT DE REACTION**  
[72] ACKERMANN, FRIEDRICH, DE  
[72] CALATZIS, ANDREAS, DE  
[72] HARBERS, RIK, DE  
[72] HUTTER, ROLAND, DE  
[72] BOLLIGER, JEAN-PIERRE, DE  
[72] LABUD, PATRICK SASCHA, DE  
[72] KITCOFF, THERESA, DE  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2016-04-05  
[41] 2016-10-07  
[30] EP (15162612.4) 2015-04-07

[21] **2,925,908**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/20 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) A61P 25/18 (2006.01)**  
[25] EN  
[54] **DOSING REGIMEN FOR MISSED DOSES FOR LONG-ACTING INJECTABLE PALIPERIDONE ESTERS**  
[54] **PROGRAMME DE DOSAGE DE DOSES OUBLIEES DESTINE AUX ESTERS DE PALIPERIDONE INJECTABLES A ACTION PROLONGEE**  
[72] GOPAL, SRIHARI, US  
[72] RAVENSTIJN, PAULIEN GERADA MARIA, NL  
[72] RUSSU, ALBERTO, BE  
[72] SAMTANI, MAHESH NARAIN, US  
[71] JANSSEN PHARMACEUTICALS, INC., US  
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[54] **PORTE MOUSTIQUAIRE**  
[72] GREEN, GUERRY E., US  
[71] MARHAYGUE, LLC, US  
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[54] **SYSTEME ET METHODE DE FOURNITURE DE SERVICES DE DONNEES DESTINES AUX VEHICLES**  
[72] OBERHOLZER, JONATHON, CA  
[72] FURSINA, BOGDAN, CA  
[72] SZE, DAVID, CA  
[72] SCHNEIDER, TODD, CA  
[72] HORVATH, AKOS, CA  
[72] KAYE, HAGEN, CA  
[72] SMITH, CAMERON KENNETH, CA  
[72] GILHULY, BARRY, CA  
[72] MALLET, JOSEPH ROBERT WAYNE, CA  
[72] FLATT, ROBERT, CA  
[71] DEJERO LABS INC., CA  
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[54] **PROTECTIVE HEADGEAR**  
[54] **COIFFURE PROTECTRICE**  
[72] NEWMAN, JESSE, US  
[72] COLVILLE, NICHOLAS, US  
[72] FREAM, DAVID WINTHROP, US  
[72] MOORE, STEPHEN, US  
[71] PERFORMANCE LACROSSE GROUP INC., US  
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[54] **RUN-TIME SDK INTEGRATION FOR CONNECTED VIDEO PLAYERS**  
[54] **INTEGRATION DE SDK D'INSTANT D'EXECUTION AUX LECTEURS VIDEO CONNECTES**  
[72] SANKARAN, AYYAPPAN, US  
[72] KRISHNAN, RAJESH, IN  
[71] YUME, INC., US  
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[54] **FASTENER FOR LOW DENSITY MATERIALS**  
[54] **DISPOSITIF DE FIXATION DE MATERIAUX A FAIBLE DENSITE**  
[72] PARK, JEREMY SCOTT, US  
[71] SIMPSON STRONG-TIE COMPANY, INC., US  
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[54] **LOOSEFILL INSULATION BLOWING MACHINE WITH REMOTE CONTROL ASSEMBLY**  
[54] **MACHINE DE SOUFFLAGE D'ISOLANT EN VRAC DOTEE D'UN DISPOSITIF TELECOMMANDE**  
[72] COOK, DAVID M., US  
[72] RELYEA, CHRISTOPHER M., US  
[72] ROBINSON, BRANDON, US  
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US  
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[54] **MACHINE DE SOUFFLAGE D'ISOLANT EN VRAC DOTEE D'UN DISPOSITIF D'ATTENUATION DU BRUIT**  
[72] COOK, DAVID M., US  
[72] RELYEA, CHRISTOPHER M., US  
[72] ROBINSON, BRANDON, US  
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[54] **SOUTIEN D'ENCLenchement EN CHARGE AU MOYEN DE LA DETECTION DE CONDITION LOCALE**  
[72] JONES, MICHAEL A., US  
[72] MCCULLOUGH, JASON, US  
[72] REHBERG, ERIC, US  
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[54] **CHAUDIERE DOTEE D'UN ACCES AUX ECHANGEURS DE CHALEUR**  
[72] BRAZIER, DENNIS, US  
[72] REESE, MARK, US  
[71] BRAZIER, DENNIS, US  
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[25] EN  
[54] **ELECTRICAL POWER OUTLET HOUSING ASSEMBLY**  
[54] **MODULE DE LOGEMENT DE SORTIE D'ALIMENTATION ELECTRIQUE**  
[72] BYRNE, NORMAN R., US  
[72] KNAPP, ROBERT L., US  
[72] MEEK, STEVEN K., US  
[72] ANDREE, MATTHEW R., US  
[71] BYRNE, NORMAN R., US  
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[54] **LOW PROFILE ELECTRICAL TERMINAL ASSEMBLY**  
[54] **DISPOSITIF DE BORNE ELECTRIQUE A PROFIL BAS**  
[72] BYRNE, NORMAN R., US  
[72] MEEK, STEVEN K., US  
[72] ANDREE, MATTHEW R., US  
[72] KNAPP, ROBERT L., US  
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[54] **A GROUP FOR LOCALIZING A MOVING TARGET IN A WAREHOUSE WITH AUTOMATIC GUIDED VEHICLES**  
[54] **UN GROUPE SERVANT A LOCALISER UNE CIBLE MOBILE DANS UN ENTREPOT AU MOYEN DE VEHICULES GUIDES AUTOMATIQUES**  
[72] MONICA, STEFANIA, IT  
[72] FERRARI, GIANLUIGI, IT  
[72] MAGNANI, MASSIMILIANO, IT  
[72] OLEARI, FABIO, IT  
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[71] ELETTRIC 80 S.P.A., IT  
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[54] **APPAREIL GENERATEUR D'ELECTRICITE**  
[72] WANG, SU CHIN, TW  
[72] WU, HUAN WEN, TW  
[71] ZHEN XIN TECHNOLOGY CO. LTD., TW  
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[54] **SATELLITE ELECTRIC PROPULSION POWER SUPPLY UNIT AND SYSTEM FOR MANAGING THE ELECTRIC PROPULSION OF A SATELLITE**

[54] **MODULE D'ALIMENTATION DE PROPULSION ELECTRIQUE D'UN SATELLITE ET SYSTEME DE GESTION DE LA PROPULSION ELECTRIQUE D'UN SATELLITE**

[72] GRUWE, ALAIN, BE

[72] LEDENT, PHILIPPE, BE

[71] THALES, FR

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[54] **PACKER ASSEMBLY WITH WING PROJECTION SLIPS**

[54] **DISPOSITIF DE GARNITURE DOTE D'ENVELOPPES DE PROJECTION D'AILE**

[72] CROMER, CHRISTOPHER, US

[71] SCHLUMBERGER CANADA LIMITED, CA

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[54] **LOW PROFILE TRANSFER CONVEYOR**

[54] **COUROIRO DE TRANSFERT A PROFIL BAS**

[72] BODIE, CAMERON DWIGHT, CA

[72] TRATCH, JAIME NOLIN, CA

[72] KAEDING, MICHAEL RYAN, CA

[72] CARTERI, JONATHAN ROBERT, CA

[71] BRANDT AGRICULTURAL PRODUCTS LTD., CA

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[54] **CIRCUITS AND METHODS FOR MONITORING CURRENT IN GEOPHYSICAL SURVEY SYSTEMS**

[54] **CIRCUITS ET METHODES DE SURVEILLANCE DU COURANT DANS LES SYSTEMES DE LEVE GEOPHYSIQUE**

[72] BAUM, DAVID, US

[72] URQUHART, SCOTT A., US

[72] MACINNIS, SCOTT C., US

[71] ZONGE INTERNATIONAL, INC., US

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[54] **DISPENSER ASSEMBLY**

[54] **APPAREIL DISTRIBUTEUR**

[72] SANTORO, DONNA M., US

[72] KIRKPATRICK, ANDY LEE, US

[72] KREUTER, KACEY JAMES, US

[72] KOCIS, STEPHEN JOHN, US

[72] CORKER, LESLEY S., US

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[72] KROLL, RUSSELL, US

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[71] VI-JON, INC., US

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[54] **METHOD AND APPARATUS FOR PRODUCING SYNTHESIS GAS**

[54] **METHODE ET APPAREIL DE PRODUCTION DE GAZ SYNTHETIQUE**

[72] ADAMS, THOMAS A., II, CA

[72] GHOUSE, JAFFER H., CA

[71] MCMASTER UNIVERSITY, CA

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[54] **DNA TEMPLATES FOR ROLLING CIRCLE AMPLIFICATION**

[54] **GABARITS D'ADN DESTINES A L'AMPLIFICATION PAR CERCLE ROULANT**

[72] LI, YINGFU, CA

[71] MCMASTER UNIVERSITY, CA

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[54] **CLOTHES DRYER BOOSTER FAN SYSTEM**

[54] **MECANISME DE STIMULATION DE VENTILATEUR DE SECHEUSE**

[72] FORMAN, DAVID J., US

[71] SUNCOURT, INC., US

[22] 2016-04-07

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[54] **MILLING CUTTER WITH LUBRICATION CONDUITS**

[54] **LAME DE BROYAGE DOTEE DE CONDUITS DE LUBRIFICATION**

[72] KOIK, ERIK, US

[72] BENNETT, KIRK, US

[72] MUNDING, LORI, US

[71] SP3 CUTTING TOOLS, INC., US

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[54] **LOAD CENTERING DEVICES AND METHODS FOR A MATERIAL HANDLING VEHICLE**

[54] **DISPOSITIF DE CENTRAGE DE CHARGE ET METHODES DESTINEES A UN VEHICULE DE MANIPULATION DE MATERIAU**

[72] WEISS, JOSEPH ANDREW, US

[72] PATERSON, ROBERT, US

[72] TRIFUNOVIC, BORIS, US

[71] THE RAYMOND CORPORATION, US

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[54] **PAINTBALL LOADER WITH HINGED SIDEWALL**

[54] **CHARGEUR DE BALLE DE PEINTURE DOTE DE PAROI ARTICULEE**

[72] YUEN, SZE MING, US

[72] SPICER, LOUIS, US

[71] GI SPORTZ DIRECT LLC, US

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[54] **A MAINTENANCE TOOL FOR A PLANETARY GEAR**

[54] **UN OUTIL D'ENTRETIEN D'ENGRENAGE PLANETAIRE**

[72] MACIK, JAMES ALLEN, US

[71] MOVENTAS GEARS OY, FI

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[54] **METHOD FOR SEPARATING DUAL WHEELS**

[54] **METHODE DE SEPARATION DE ROUES DOUBLES**

[72] TYSON, ROCKFORD, US

[71] SUMMIT TOOL COMPANY, US

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[54] **ACTIVATED CARBON SORBENT COMPOSITION WITH REDUCED AUTO-IGNITION PROPERTIES**

[54] **COMPOSITION SORBANTE AU CHARBON ACTIVE AYANT DES PROPRIETES REDUITES D~AUTO-ALLUMAGE**

[72] LI, MOWEN, US

[72] VIZCAINO, CHRISTOPHER, US

[72] LOWRING, JACOB B., US

[72] CAYTON, ROGER H., US

[71] ADA CARBON SOLUTIONS, LLC, US

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[54] **MOISTURE CURE ASPHALTIC MATERIAL AND METHODS OF USE**

[54] **MATERIAU ASPHALTIQUE DURCI A L'HUMIDITE ET METHODES D'UTILISATION**

[72] TROXELL, ANDREW L., US

[72] KHAN, AMIR G., US

[72] HYER, SEAN, US

[71] GARDNER-GIBSON, INC., US

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[54] **CASSETTE AND APPARATUS FOR PACKING DISPOSABLE OBJECTS INTO AN ELONGATED TUBE OF FLEXIBLE MATERIAL**

[54] **CARTOUCHE ET APPAREIL D'EMBALLAGE D'OBJETS JETABLES DANS UN TUBE DE MATIERE SOUPLE**

[72] MORAND, MICHEL, CA

[71] ANGELCARE DEVELOPMENT INC., CA

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[41] 2016-10-07

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[54] **BALL LAUNCHER**

[54] **LANCEUR DE BALLE**

[72] JOHNSON, DARREN, CA

[71] STONEWALL ENERGY CORP., CA

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[54] **ORAL CARE COMPOSITIONS**

[54] **COMPOSITIONS DE SOINS  
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[72] WACHSBERG, RICHARD, CA

[72] WACHSBERG, CHARLES, CA

[72] EDWARDS, JOEL, CA

[72] SANDERSON, DEREK, CA

[71] APOLLO LABORATORIES INC., CA

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[54] **SYSTEME DE GESTION DE MINE**  
[72] KODAMA, YUICHI, JP  
[72] UETAKE, MASAOKI, JP  
[72] KAWAI, KAZUNARI, JP  
[72] TERADA, SHINICHI, JP  
[72] FUKUI, RUI, JP  
[71] KOMATSU LTD., JP  
[71] THE UNIVERSITY OF TOKYO, JP  
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[54] **CONTAINER FOR STORING OR**  
**FOR TRANSPORTING BITUMEN**  
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[72] KREGER, MICHAEL, AT  
[71] UNID TECHNOLOGIES GMBH, AT  
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[72] DUBOK, VALERIY, UA  
[72] LYSSENKO, ANATOLIY, CA  
[72] GAREAU, ERIC, CA  
[71] LULU SOFTWARE LIMITED, CA  
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[25] EN  
[54] **PHOTOVOLTAIC CELL,**  
**PHOTOVOLTAIC MODULE,**  
**PRODUCTION THEREOF, AND**  
**USE THEREOF**  
[54] **CELLULE PHOTOVOLTAIQUE,**  
**MODULE PHOTOVOLTAIQUE,**  
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[72] KUHN, TILMANN, DE  
[72] WILSON, HELEN ROSE, DE  
[71] FRAUNHOFER-GESELLSCHAFT  
ZUR FORDERUNG DER  
ANGEWANDTEN FORSCHUNG  
E.V., DE  
[85] 2016-06-17  
[86] 2014-12-17 (PCT/EP2014/078317)  
[87] (WO2015/091698)  
[30] DE (10 2013 226 943.9) 2013-12-20  
[30] DE (10 2014 200 956.1) 2014-01-21

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[21] **2,934,471**  
[13] A1  
[51] **Int.Cl. H01R 13/422 (2006.01) H01R**  
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[25] EN  
[54] **CONTACT RETAINING PART**  
**WITH SECURED PULL-OUT**  
**PROTECTION**  
[54] **PIECE DE RETENUE POUR**  
**CONTACT AVEC BLOCAGE EN**  
**TRACTION FIABLE**  
[72] ZEBHAUSER, MARTIN, DE  
[72] BRIXNER, MATTHIAS, DE  
[72] BREDBECK, TILL, DE  
[71] ROSENBERGER  
HOCHFREQUENZTECHNIK GMBH  
& CO. KG, DE  
[85] 2016-06-17  
[86] 2015-05-26 (PCT/EP2015/001077)  
[87] (WO2015/180836)  
[30] DE (20 2014 004 431.7) 2014-05-27

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[21] **2,935,745**  
[13] A1  
[51] **Int.Cl. A23J 3/14 (2006.01) A23L 5/00**  
**(2016.01) A23L 19/00 (2016.01) A23J**  
**1/14 (2006.01)**  
[25] EN  
[54] **CANOLA BASED TOFU PRODUCT**  
**AND METHOD**  
[54] **PRODUIT DE TOFU A BASE DE**  
**CANOLA ET METHODE**  
[72] ARNFIELD, DOROTHY SUSAN, CA  
[72] MURPHY, LEE ANNE, CA  
[72] ROSS, WILLIAM FRANCIS, CA  
[71] ARNFIELD, DOROTHY SUSAN, CA  
[71] MURPHY, LEE ANNE, CA  
[71] ROSS, WILLIAM FRANCIS, CA  
[85] 2016-07-08  
[86] 2016-02-08 (PCT/CA2016/050145)  
[87] (2935745)  
[30] US (62/139,359) 2015-03-27

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[13] A1  
[51] **Int.Cl. G06F 21/56 (2013.01) H04L**  
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[25] EN  
[54] **SYSTEM AND METHOD FOR**  
**REPORTING ON AUTOMATED**  
**BROWSER AGENTS**  
[54] **SYSTEME ET PROCEDE DE**  
**GENERATION DE RAPPORTS**  
**SUR DES AGENTS DE**  
**NAVIGATION AUTOMATISES**  
[72] KAMINSKY, DANIEL, US  
[72] TIFFANY, MICHAEL J.J., US  
[71] WHITE OPS, INC., US  
[85] 2016-04-18  
[86] 2014-01-29 (PCT/US2014/013553)  
[87] (WO2015/057256)  
[30] US (14/057,730) 2013-10-18  
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[25] EN  
[54] **ILLUMINATION DEVICE**  
[54] **DISPOSITIF D'ILLUMINATION**

[72] SHOEMAKE, ALLAN, US  
[72] WINTER, WILLIAM, US  
[72] FERNANDEZ, JUAN, US  
[72] MCGRATH, PAUL, US  
[72] LONDONO RESTREPO, JUAN DAVID, ES  
[72] PEDERSEN, ROBERT, US  
[71] LUMEE, LLC, US  
[85] 2016-07-18  
[86] 2016-05-16 (PCT/US2016/032685)  
[87] (2936428)  
[30] US (14/735,830) 2015-06-10  
[30] US (15/134,123) 2016-04-20

[21] **2,936,435**  
[13] A1

[51] **Int.Cl. A01G 7/04 (2006.01) A01G 7/00 (2006.01) A01G 9/20 (2006.01)**

[25] EN  
[54] **PLANT CULTIVATION DEVICE**  
[54] **DISPOSITIF DE CULTURE DE VEGETAUX**

[72] FUKUI, ATSUSHI, JP  
[72] FUKUI, YUKO, JP  
[71] PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD., JP  
[85] 2016-07-18  
[86] 2016-02-02 (PCT/JP2016/000519)  
[87] (2936435)  
[30] JP (2015-105065) 2015-05-25

[21] **2,937,150**  
[13] A1

[51] **Int.Cl. F21V 23/04 (2006.01) F21S 10/02 (2006.01)**

[25] EN  
[54] **DECORATIVE LIGHTING APPARATUS**  
[54] **APPAREIL D'ECLAIRAGE DECORATIF**

[72] KHUBANI, AJIT, US  
[72] PAN, YUN, US  
[71] TELEBRANDS CORP., US  
[85] 2016-07-26  
[86] 2016-03-08 (PCT/US2016/021354)  
[87] (2937150)  
[30] US (14/958,657) 2015-12-03  
[30] US (14/958,667) 2015-12-03  
[30] US (14/976,202) 2015-12-21  
[30] US (15/001,942) 2016-01-20

[21] **2,941,205**  
[13] A1

[51] **Int.Cl. C22C 38/08 (2006.01) B23K 35/24 (2006.01) B23K 35/30 (2006.01) C21D 7/00 (2006.01) C22C 38/06 (2006.01)**

[25] FR  
[54] **IRON-NICKEL ALLOY HAVING IMPROVED WELDABILITY**  
[54] **ALLIAGE FER-NICKEL PRESENTANT UNE SOUDABILITE AMELIOREE**

[72] REYDET, PIERRE-LOUIS, FR  
[72] JOUVENCEAU, FANNY, FR  
[72] PANIER, ROLAND, FR  
[71] APERAM, LU  
[85] 2016-08-29  
[86] 2014-03-14 (PCT/IB2014/059819)  
[87] (WO2015/136333)

[21] **2,941,252**  
[13] A1

[51] **Int.Cl. F28G 9/00 (2006.01) B08B 3/04 (2006.01) B08B 9/023 (2006.01) B65D 88/16 (2006.01) F28G 15/02 (2006.01) F28G 15/00 (2006.01)**

[25] EN  
[54] **AN EFFLUENT CONTAINER FOR CLEANING HEAT EXCHANGERS**  
[54] **CONTENANT D'EFFLUENT DESTINE AU NETTOYAGE D'ECHANGEURS DE CHALEUR**

[72] EARP, DANNY, US  
[71] EARP, DANNY, US  
[85] 2016-08-30  
[86] 2015-03-20 (PCT/US2015/021736)  
[87] (WO2015/143313)  
[30] US (14/220,615) 2014-03-20

[21] **2,941,337**  
[13] A1

[51] **Int.Cl. A61K 8/22 (2006.01) A61K 8/30 (2006.01) A61Q 5/08 (2006.01) A61Q 5/10 (2006.01)**

[25] EN  
[54] **PROCESS FOR BLEACHING OR DYEING KERATIN FIBRES USING AN OXIDIZING COMPOSITION AND UV-VISIBLE RADIATION**  
[54] **PROCEDE DE BLANCHIMENT OU DE TEINTURE DE FIBRES DE KERATINE UTILISANT UNE COMPOSITION OXYDANTE ET UN RAYONNEMENT UV VISIBLE**

[72] VIC, GABIN, FR  
[72] WOODLAND, FREDERIC, FR  
[72] OSOLIN, FABRICE, FR  
[71] L'OREAL, FR  
[85] 2016-08-31  
[86] 2015-04-29 (PCT/EP2015/059312)  
[87] (WO2015/165949)  
[30] FR (1453963) 2014-04-30

[21] **2,941,377**  
[13] A1

[51] **Int.Cl. F22G 5/00 (2006.01) D21C 11/10 (2006.01) D21C 11/12 (2006.01)**

[25] EN  
[54] **BOILER SYSTEM CONTROLLING FUEL TO A FURNACE BASED ON TEMPERATURE OF A STRUCTURE IN A SUPERHEATER SECTION**  
[54] **SYSTEME DE CHAUDIERE REGULANT LE COMBUSTIBLE D'UN FOUR SUR LA BASE DE LA TEMPERATURE D'UNE STRUCTURE DANS UNE SECTION DE SURCHAUFFEUR**

[72] JONES, ANDREW K., US  
[72] FUHRMANN, DAVID, US  
[72] CARLIER, TIM, US  
[72] SARGENT, MARK, US  
[71] INTERNATIONAL PAPER COMPANY, US  
[71] INTEGRATED TEST & MEASUREMENT, US  
[85] 2016-08-31  
[86] 2015-03-09 (PCT/US2015/019445)  
[87] (WO2015/138321)  
[30] US (14/202,242) 2014-03-10

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[13] A1

[51] **Int.Cl. A61K 38/46 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION AGAINST CHRONIC BACTERIAL INFECTIONS**

[54] **COMPOSITION PHARMACEUTIQUE CONTRE LES INFECTIONS BACTERIENNES CHRONIQUES**

[72] MILLER, STEFAN, DE

[72] BRIERS, YVES, BE

[72] LAVIGNE, ROB, BE

[71] LYSANDO AG, LI

[85] 2016-09-01

[86] 2015-04-08 (PCT/EP2015/057625)

[87] (WO2015/155244)

[30] EP (14163927.8) 2014-04-08

[21] **2,941,429**  
[13] A1

[51] **Int.Cl. A61K 31/53 (2006.01) A61P 17/00 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **MEDICAL USE**

[54] **USAGE MEDICAL**

[72] GODESSART MARINA, NURIA, ES

[72] BALAGUE PELAEZ, CRISTINA, ES

[71] ALMIRALL, S.A., ES

[85] 2016-09-01

[86] 2015-05-21 (PCT/EP2015/061308)

[87] (WO2015/181053)

[30] EP (14382192.4) 2014-05-27

[30] EP (14382400.1) 2014-10-17

[30] EP (14382401.9) 2014-10-17

[21] **2,941,436**  
[13] A1

[51] **Int.Cl. A61K 31/573 (2006.01) A61K 31/53 (2006.01) A61P 17/00 (2006.01) A61P 37/06 (2006.01)**

[25] EN

[54] **COMBINATION**

[54] **COMBINAISON**

[72] GODESSART MARINA, NURIA, ES

[72] BALAGUE PELAEZ, CRISTINA, ES

[71] ALMIRALL, S.A., ES

[85] 2016-09-01

[86] 2015-05-21 (PCT/EP2015/061312)

[87] (WO2015/181055)

[30] EP (14382192.4) 2014-05-27

[30] EP (14382400.1) 2014-10-17

[30] EP (14382401.9) 2014-10-17

[21] **2,941,486**  
[13] A1

[51] **Int.Cl. C07C 69/52 (2006.01) A61K 8/36 (2006.01) A61K 31/19 (2006.01) A61K 31/198 (2006.01) A61K 31/22 (2006.01) A61K 31/575 (2006.01) A61P 39/06 (2006.01) A61Q 5/00 (2006.01) A61Q 19/00 (2006.01) C07C 57/03 (2006.01) C07C 69/587 (2006.01) C07C 279/14 (2006.01) C07J 9/00 (2006.01)**

[25] EN

[54] **COMPOUNDS WITH A COMBINED ANTIOXIDANT ACTIVITY AGAINST FREE RADICALS TOGETHER WITH AN ANTI-INFLAMMATORY ACTION, AND PHARMACEUTICAL AND COSMETIC COMPOSITIONS CONTAINING THEM FOR THE TREATMENT OF SKIN AND HAIR**

[54] **COMPOSES A ACTIVITE ANTI-OXYDANTE A L'ENCONTRE DES RADICAUX LIBRES COMBINEE A UNE ACTION ANTI-INFLAMMATOIRE, ET COMPOSITIONS PHARMACEUTIQUES ET COSMETIQUES LES CONTENANT POUR LE TRAITEMENT DE LA PEAU ET DES CHEVEUX**

[72] GIULIANI, GIAMMARIA, IT

[72] BENEDUSI, ANNA, IT

[72] MARZANI, BARBARA, IT

[72] BARONI, SERGIO, IT

[72] PINI, ELENA, IT

[72] GANDOLFI, RAFFAELLA, IT

[71] GIULIANI S.P.A., IT

[85] 2016-09-01

[86] 2015-03-10 (PCT/EP2015/054934)

[87] (WO2015/135927)

[30] IT (MI2014A000368) 2014-03-10

[21] **2,941,513**  
[13] A1

[51] **Int.Cl. B65B 9/04 (2006.01) B29C 65/08 (2006.01) B29C 65/58 (2006.01) B65B 51/22 (2006.01) F42B 12/40 (2006.01) F42B 33/00 (2006.01)**

[25] FR

[54] **METHOD AND INSTALLATION FOR THE MANUFACTURE OF CAPSULES**

[54] **PROCEDE ET INSTALLATION DE FABRICATION DE CAPSULE**

[72] DELHAYE, DAVID, FR

[71] POLYTEK INNOVATIONS, FR

[85] 2016-09-02

[86] 2015-03-06 (PCT/EP2015/054742)

[87] (WO2015/132390)

[30] FR (1451849) 2014-03-07

[21] **2,941,516**  
[13] A1

[51] **Int.Cl. A61L 2/08 (2006.01) A61F 2/02 (2006.01) B65B 55/04 (2006.01) B65B 55/08 (2006.01) H01J 5/18 (2006.01)**

[25] EN

[54] **ELECTRON BEAM EMITTER**

[54] **EMETTEUR DE FAISCEAU D'ELECTRONS**

[72] HOSTETTLER, URS, CH

[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH

[85] 2016-09-02

[86] 2015-03-09 (PCT/EP2015/054814)

[87] (WO2015/144425)

[30] SE (1450334-6) 2014-03-24

[21] **2,941,527**  
[13] A1

[51] **Int.Cl. A61K 33/10 (2006.01) A61K 8/19 (2006.01) A61P 1/02 (2006.01) A61P 29/00 (2006.01) A61Q 11/00 (2006.01)**

[25] EN

[54] **SURFACE-REACTED CALCIUM CARBONATE FOR DESENSITIZING TEETH**

[54] **CARBONATE DE CALCIUM AYANT REAGI EN SURFACE POUR DESENSIBILISER LES DENTS**

[72] GERARD, DANIEL E., CH

[72] BUDDE, TANJA, CH

[72] SCHOELKOPF, JOACHIM, CH

[72] GANE, PATRICK A. C., CH

[71] OMYA INTERNATIONAL AG, CH

[85] 2016-09-02

[86] 2015-03-20 (PCT/EP2015/055962)

[87] (WO2015/140308)

[30] EP (14161064.2) 2014-03-21

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[13] A1

[51] **Int.Cl. C07D 251/60 (2006.01) C07C 273/12 (2006.01)**  
[25] EN  
[54] **PROCESS AND PLANT FOR THE SYNTHESIS OF UREA AND MELAMINE**  
[54] **PROCEDE ET INSTALLATION POUR LA SYNTHESE D'UREE ET DE MELAMINE**  
[72] BERTINI, PAOLO, CH  
[72] DI CARLO, GABRIELE, CH  
[71] CASALE SA, CH  
[85] 2016-09-02  
[86] 2015-04-16 (PCT/EP2015/058292)  
[87] (WO2015/165741)  
[30] EP (14166190.0) 2014-04-28

[21] **2,941,671**  
[13] A1

[51] **Int.Cl. A01H 5/00 (2006.01) A01H 5/08 (2006.01) A01H 5/10 (2006.01) C07K 14/415 (2006.01) C12N 5/10 (2006.01) C12N 15/29 (2006.01) C12N 15/82 (2006.01)**  
[25] EN  
[54] **SOLANUM LYCOPERSICUM PLANTS WITH INCREASED FRUIT YIELD**  
[54] **PLANTS DE SOLANUM LYCOPERSICUM PRESENTANT UN MEILLEUR RENDEMENT EN FRUITS**  
[72] ROOBEEK, ILJA, NL  
[72] YKEMA, MARIEKE, NL  
[72] VAN STEE, MARTIJN PETRUS, NL  
[72] DE BOER, GEERT JOHANNES, NL  
[71] ENZA ZADEN BEHEER B.V., NL  
[85] 2016-09-06  
[86] 2015-03-13 (PCT/EP2015/055259)  
[87] (WO2015/136065)  
[30] NL (2012426) 2014-03-13

[21] **2,941,672**  
[13] A1

[51] **Int.Cl. A47K 3/40 (2006.01)**  
[25] EN  
[54] **SHELVING SYSTEM WITH OBSCURABLE SHELVING**  
[54] **SYSTEME DE RAYONNAGE A RAYONS POUVANT ETRE DISSIMULES**  
[72] YANG, FRANK, US  
[72] SANDOR, JOSEPH, US  
[71] SIMPLEHUMAN, LLC, US  
[85] 2016-09-02  
[86] 2015-03-06 (PCT/US2015/019282)  
[87] (WO2015/138257)  
[30] US (61/953,171) 2014-03-14

[21] **2,941,673**  
[13] A1

[51] **Int.Cl. B63B 27/10 (2006.01)**  
[25] EN  
[54] **METHOD FOR LOWERING A SUBSEA STRUCTURE HAVING A SUBSTANTIALLY FLAT SUPPORT BASE INTO THE WATER THROUGH THE SPLASH ZONE**  
[54] **PROCEDE POUR ABAISSER UNE STRUCTURE SOUS-MARINE, AYANT UNE BASE DE SUPPORT SENSIBLEMENT PLATE, DANS L'EAU A TRAVERS LA ZONE D'ECLABOUSSEMENT**  
[72] MASTEBROEK, KLAAS WOUT, NL  
[71] BLUEMARINE OFFSHORE YARD SERVICE B.V., NL  
[85] 2016-09-06  
[86] 2015-03-30 (PCT/NL2015/050201)  
[87] (WO2015/147647)  
[30] NL (2012527) 2014-03-28

[21] **2,941,687**  
[13] A1

[51] **Int.Cl. C07K 14/195 (2006.01) C07K 7/08 (2006.01) C07K 16/00 (2006.01) C12N 15/13 (2006.01) C12N 15/31 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/70 (2006.01) C12P 21/02 (2006.01) C12P 21/08 (2006.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR SECRETION OF HETEROLOGOUS POLYPEPTIDES**  
[54] **COMPOSITIONS DE SECRETION DE POLYPEPTIDES HETEROLOGUES ET PROCEDES ASSOCIES**  
[72] REILLY, DOROTHEA, US  
[72] ZHOU, YIZHOU, US  
[71] GENENTECH, INC., US  
[85] 2016-09-02  
[86] 2015-03-16 (PCT/US2015/020783)  
[87] (WO2015/139046)  
[30] US (61/953,629) 2014-03-14  
[30] US (62/107,981) 2015-01-26  
[30] US (62/108,476) 2015-01-27

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[21] **2,941,696**  
[13] A1

[51] **Int.Cl. C02F 1/72 (2006.01) C02F 1/02 (2006.01) C02F 11/08 (2006.01)**  
[25] FR  
[54] **METHOD FOR TREATING ORGANIC WASTE BY HYDROTHERMAL OXIDATION**  
[54] **PROCEDE DE TRAITEMENT DE DECHETS ORGANIQUES PAR OXYDATION HYDROTHERMALE**  
[72] SARRAIL, GREGOIRE, FR  
[72] RICHER, CARINE, FR  
[72] CHAILLOU, MATHIEU, FR  
[71] INNOVEOX, FR  
[85] 2016-09-06  
[86] 2015-03-10 (PCT/EP2015/054949)  
[87] (WO2015/135932)  
[30] FR (1451955) 2014-03-10

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[21] **2,941,714**  
[13] A1

[51] **Int.Cl. B01J 31/16 (2006.01) C07C 51/10 (2006.01) C07F 5/06 (2006.01)**

[25] EN

[54] **CATALYSTS FOR EPOXIDE CARBONYLATION**

[54] **CATALYSEURS DE CARBONYLATION D'EPOXYDES**

[72] FARMER, JAY J., US

[72] ALLEN, SCOTT D., US

[71] NOVOMER, INC., US

[85] 2016-09-02

[86] 2015-03-13 (PCT/US2015/020562)

[87] (WO2015/138975)

[30] US (61/953,243) 2014-03-14

[21] **2,941,735**  
[13] A1

[51] **Int.Cl. B66B 9/187 (2006.01) F03D 80/50 (2016.01)**

[25] EN

[54] **ELEVATOR SYSTEMS**

[54] **SYSTEMES D'ASCENSEUR**

[72] LEGUA, CARLOS, ES

[71] AIP APS, DK

[85] 2016-09-06

[86] 2015-03-20 (PCT/EP2015/055974)

[87] (WO2015/144593)

[30] EP (14382104.9) 2014-03-26

[21] **2,941,737**  
[13] A1

[51] **Int.Cl. D21C 9/147 (2006.01) D21C 3/02 (2006.01) D21C 9/00 (2006.01) D21C 9/16 (2006.01) D21H 11/20 (2006.01)**

[25] EN

[54] **A LOW VISCOSITY KRAFT FIBER HAVING AN ENHANCED CARBOXYL CONTENT AND METHODS OF MAKING AND USING THE SAME**

[54] **FIBRE KRAFT A FAIBLE VISCOSITE A TENEUR ACCRUE EN CARBOXYLE, PROCEDES DE PRODUCTION ET UTILISATION**

[72] NONNI, ARTHUR J., US

[72] COURCHENE, CHARLES E., US

[72] CARTER, BLAIR RODERICK, US

[71] GP CELLULOSE GMBH, CH

[85] 2016-09-06

[86] 2015-03-09 (PCT/US2015/019479)

[87] (WO2015/138335)

[30] IB (PCT/IB2014/001272) 2014-03-12

[21] **2,941,744**  
[13] A1

[51] **Int.Cl. A61L 27/44 (2006.01) A61F 2/02 (2006.01) A61L 27/24 (2006.01) C08J 3/05 (2006.01) C08L 33/12 (2006.01) C08L 89/00 (2006.01)**

[25] EN

[54] **INJECTABLE ALLOPLASTIC IMPLANTS AND METHODS OF USE THEREOF**

[54] **IMPLANTS ALLOPLASTIQUES INJECTABLES ET LEURS PROCEDES D'UTILISATION**

[72] MASI, LOUIS, US

[71] SUNEVA MEDICAL, INC., US

[85] 2016-09-06

[86] 2015-03-13 (PCT/US2015/020384)

[87] (WO2015/138858)

[30] US (14/211,994) 2014-03-14

[30] US (14/227,365) 2014-03-27

[21] **2,941,756**  
[13] A1

[51] **Int.Cl. A61M 16/12 (2006.01) A61B 5/087 (2006.01) A61M 16/01 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHOD FOR DELIVERY OF THERAPEUTIC GAS TO PATIENTS IN NEED THEREOF USING ENHANCED BREATHING CIRCUIT GAS (BCG) FLOW MEASUREMENT**

[54] **SYSTEMES ET PROCEDE D'ADMINISTRATION DE GAZ THERAPEUTIQUE A DES PATIENTS EN AYANT BESOIN AU MOYEN D'UNE MESURE DE DEBIT DE GAZ DE CIRCUIT RESPIRATOIRE AMELIOREE**

[72] ACKER, JARON M., US

[72] TOLMIE, CRAIG R., US

[71] INO THERAPEUTICS LLC, US

[85] 2016-09-06

[86] 2015-04-01 (PCT/US2015/023794)

[87] (WO2015/153713)

[30] US (61/973,544) 2014-04-01

[30] US (14/672,447) 2015-03-30

[30] US (14/674,327) 2015-03-31

[21] **2,941,782**  
[13] A1

[51] **Int.Cl. C07C 327/44 (2006.01) A61K 31/277 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **2-CYANO-3-CYCLOPROPYL-3-HYDROXY-N-ARYL-THIOACRYLAMIDE DERIVATIVES**

[54] **DERIVES DE 2-CYANO-3-CYCLOPROPYL-3-HYDROXY-N-ARYL-THIOACRYLAMIDE**

[72] HASSE, BIRGIT, DE

[72] KOOPMANS, GUIDO, NL

[71] ALGIAX PHARMACEUTICALS GMBH, DE

[85] 2016-09-07

[86] 2015-03-15 (PCT/EP2015/055379)

[87] (WO2015/140081)

[30] EP (14000994.5) 2014-03-18

[30] US (61/954,844) 2014-03-18

[21] **2,941,801**  
[13] A1

[51] **Int.Cl. G01N 1/31 (2006.01) G01N 35/10 (2006.01)**

[25] EN

[54] **HEMATOXYLIN PRECIPITATE CLEANING METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE NETTOYAGE D'UN PRECIPITE D'HEMATOXYLINE**

[72] DURRANT, EDWARD E., US

[71] VENTANA MEDICAL SYSTEMS, INC., US

[85] 2016-09-07

[86] 2015-04-27 (PCT/EP2015/059075)

[87] (WO2015/165850)

[30] US (61/986,386) 2014-04-30

[21] **2,941,808**  
[13] A1

[51] **Int.Cl. H03F 3/68 (2006.01) H01P 3/00 (2006.01) H04B 7/24 (2006.01)**

[25] EN

[54] **ISOLATION IN A MULTI-PORT AMPLIFIER**

[54] **ISOLATION DANS UN AMPLIFICATEUR MULTI-PORT**

[72] CLARKE, OWEN WILLIAM, GB

[71] AIRBUS DEFENCE AND SPACE LIMITED, GB

[85] 2016-09-07

[86] 2015-03-17 (PCT/GB2015/050773)

[87] (WO2015/140533)

[30] GB (1405007.4) 2014-03-20

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[21] **2,941,833**  
[13] A1

[51] **Int.Cl. E04B 1/86 (2006.01) E04B 2/74 (2006.01) E05D 5/02 (2006.01)**

[25] EN

[54] **DEVICE FOR HANGING A SOUND-ABSORBING PANEL OR THE LIKE**

[54] **DISPOSITIF PERMETTANT DE SUSPENDRE UN PANNEAU ABSORBANT LE SON OU ANALOGUE**

[72] CAIMI, RENATO, IT

[71] ELEDA S.R.L., IT

[85] 2016-09-07

[86] 2015-03-09 (PCT/IB2015/051698)

[87] (WO2015/136428)

[30] IT (MI2014U 000092) 2014-03-11

[21] **2,941,865**  
[13] A1

[51] **Int.Cl. A01B 63/24 (2006.01) A01B 33/08 (2006.01)**

[25] EN

[54] **SOIL TILLING APPARATUS HAVING A COMBING OR LEVELING DEVICE**

[54] **APPAREIL DE TRAVAIL DU SOL COMPRENANT UN DISPOSITIF D'ETRILLAGE ET D'APLANISSEMENT**

[72] PAULESSEN, GEORG, DE

[71] LEMKEN GMBH & CO. KG, DE

[85] 2016-09-08

[86] 2015-03-13 (PCT/DE2015/100104)

[87] (WO2015/144130)

[30] DE (10 2014 104 417.7) 2014-03-28

[21] **2,941,894**  
[13] A1

[51] **Int.Cl. H01B 11/08 (2006.01)**

[25] EN

[54] **CABLE ARRANGEMENT**

[54] **ENSEMBLE DE CABLES**

[72] KUNZ, STEPHAN, DE

[72] MULLER, THOMAS, DE

[72] ARMBRECHT, GUNNAR, DE

[71] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE

[85] 2016-09-08

[86] 2015-04-09 (PCT/EP2015/000754)

[87] (WO2015/158421)

[30] DE (20 2014 003 291.2) 2014-04-16

[21] **2,941,844**  
[13] A1

[51] **Int.Cl. C10G 45/08 (2006.01) B01J 21/12 (2006.01) B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 31/02 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01)**

[25] EN

[54] **HYDROTREATING CATALYST, METHOD FOR PRODUCING THE CATALYST, AND HYDROTREATING PROCESS FOR HYDROCARBON OIL USING THE CATALYST**

[54] **CATALYSEUR D'HYDROTRAITEMENT, PROCEDE DE PRODUCTION DU CATALYSEUR, ET PROCEDE D'HYDROTRAITEMENT POUR HUILE HYDROCARBURE UTILISANT LE CATALYSEUR**

[72] NONAKA, KENJI, JP

[72] KANAI, YUUKI, JP

[72] TOYOSHI, YASUO, JP

[72] NISHIMORI, YOUHEI, JP

[72] KOBAYASHI, TOYOKAZU, JP

[71] NIPPON KETJEN CO., LTD., JP

[85] 2016-09-07

[86] 2015-02-27 (PCT/JP2015/001018)

[87] (WO2015/136873)

[30] JP (2014-046245) 2014-03-10

[21] **2,941,875**  
[13] A1

[51] **Int.Cl. C02F 3/02 (2006.01) C02F 3/00 (2006.01) C02F 3/20 (2006.01) C02F 3/30 (2006.01)**

[25] EN

[54] **WASTEWATER TREATMENT APPARATUS WITH DUAL-LEVEL CONTROL**

[54] **APPAREIL DE TRAITEMENT DES EAUX USEES AVEC COMMANDE A DOUBLE NIVEAU, SYSTEME DE COMMANDE A DOUBLE NIVEAU ET PROCEDE DE TRAITEMENT**

[72] MORGAN, CHARLES R., US

[71] PARKSON CORPORATION, US

[85] 2016-09-07

[86] 2015-03-19 (PCT/US2015/021471)

[87] (WO2015/143159)

[30] US (61/968,733) 2014-03-21

[21] **2,941,895**  
[13] A1

[51] **Int.Cl. A61F 2/16 (2006.01) A61F 9/007 (2006.01)**

[25] EN

[54] **INTRAOCULAR LENS INJECTOR CONTROL SYSTEM**

[54] **SYSTEME DE COMMANDE D'INJECTEUR DE LENTILLE INTRAOCULAIRE**

[72] KAEGI, FABIAN, CH

[72] WOODTLI, ALAIN, CH

[72] PAGNOULLE, CHRISTOPHE, BE

[72] BOZUKOVA, DIMITRIYA, BE

[71] PHYSIOL, BE

[85] 2016-09-08

[86] 2015-03-27 (PCT/EP2015/056737)

[87] (WO2015/144890)

[30] BE (2014/0217) 2014-03-28

[21] **2,941,881**  
[13] A1

[51] **Int.Cl. A01J 5/007 (2006.01) A01J 5/08 (2006.01)**

[25] EN

[54] **MILKING DEVICE**

[54] **DISPOSITIF DE TRAITE**

[72] MOSTERT, GERARD, NL

[71] LELY PATENT N.V., NL

[85] 2016-09-07

[86] 2015-04-24 (PCT/NL2015/050280)

[87] (WO2015/167325)

[30] NL (2012716) 2014-04-30

[21] **2,941,903**  
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) A61K 31/00 (2006.01)**

[25] EN

[54] **METHOD FOR SCREENING TRP CHANNELS**

[54] **METHODE DE CRIBLAGE DE CANAUX TRP**

[72] SREEKRISHNA, KOTI TATACHAR, US

[72] LIN, YAKANG, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2016-09-07

[86] 2015-03-24 (PCT/US2015/022170)

[87] (WO2015/153184)

[30] US (61/973,566) 2014-04-01

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[21] **2,941,909**  
[13] A1

[51] **Int.Cl. C01B 3/34 (2006.01) C01B 3/36 (2006.01)**

[25] EN

[54] **A PROCESS FOR HEATING AN ATR**

[54] **PROCEDE DE CHAUFFAGE D'UN ATR**

[72] DAHL, PER JUUL, DK

[72] CHRISTENSEN, THOMAS SANDAHL, DK

[71] HALDOR TOPSOE A/S, DK

[85] 2016-09-08

[86] 2015-04-08 (PCT/EP2015/057641)

[87] (WO2015/155256)

[30] DK (PA 2014 00203) 2014-04-08

[21] **2,941,910**  
[13] A1

[51] **Int.Cl. C02F 3/12 (2006.01) B01D 69/08 (2006.01) B01D 71/70 (2006.01) B01J 19/18 (2006.01)**

[25] EN

[54] **AN AERATED BIOFILM REACTOR FIBRE MEMBRANE**

[54] **MEMBRANE DE REACTEUR A FIBRES CREUSES AVEC BIOFILM AERE**

[72] CASEY, EOIN, IE

[72] SYRON, EOIN, IE

[71] UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN, IE

[85] 2016-09-08

[86] 2015-03-11 (PCT/EP2015/055047)

[87] (WO2015/135977)

[30] GB (1404274.1) 2014-03-11

[21] **2,941,923**  
[13] A1

[51] **Int.Cl. C01B 3/34 (2006.01) C01B 3/02 (2006.01) C01B 3/38 (2006.01) C01C 1/04 (2006.01)**

[25] EN

[54] **A METHOD FOR REVAMPING A FRONT-END OF AN AMMONIA PLANT**

[54] **PROCEDE DE MODERNISATION D'UNE UNITE DE FABRICATION INITIALE D'UNE INSTALLATION DE PRODUCTION D'AMMONIAC**

[72] FILIPPI, ERMANNO, CH

[72] OSTUNI, RAFFAELE, CH

[71] CASALE SA, CH

[85] 2016-09-08

[86] 2015-04-03 (PCT/EP2015/097010)

[87] (WO2015/155374)

[30] EP (14163911.2) 2014-04-08

[21] **2,941,924**  
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) B60R 21/015 (2006.01) B64D 47/00 (2006.01) H04N 7/18 (2006.01)**

[25] EN

[54] **CABIN MONITORING SYSTEM AND CABIN OF AIRCRAFT OR SPACECRAFT**

[54] **SYSTEME DE SURVEILLANCE DE CABINE ET CABINE D'AVION OU DE VAISSEAU SPATIAL**

[72] BRUNAUX, YANNICK, FR

[72] GILL, ALISON, FR

[72] APPOLT, BRITTA, DE

[72] SIVIGNON, SEBASTIEN, FR

[72] MARTIN, CLAUDE, FR

[71] ZODIAC AEROTECHNICS, FR

[85] 2016-09-08

[86] 2015-04-03 (PCT/EP2015/097019)

[87] (WO2015/155379)

[30] US (61/976,087) 2014-04-07

[21] **2,941,933**  
[13] A1

[51] **Int.Cl. C07C 237/10 (2006.01) A61K 38/05 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01) C07D 207/16 (2006.01) C07D 209/14 (2006.01) C07K 5/06 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL CONJUGATES, METHOD FOR PRODUCTION AND USES THEREOF**

[54] **CONJUGUES ANTIMICROBIENS, PROCEDE DE PRODUCTION ET UTILISATIONS DE CEUX-CI**

[72] CARROLL, MILES, GB

[72] HALDAR, JAYANTA, IN

[72] KONAL, MOHINI MOHAN, IN

[71] THE SECRETARY OF STATE FOR HEALTH, GB

[71] JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH, IN

[85] 2016-09-08

[86] 2015-03-13 (PCT/GB2015/050750)

[87] (WO2015/136311)

[30] IN (1345/CHE/2014) 2014-03-13

[21] **2,941,975**  
[13] A1

[51] **Int.Cl. A23F 5/38 (2006.01) A23F 5/24 (2006.01)**

[25] EN

[54] **TABLET OF SOLUBLE COFFEE AND METHOD FOR PREPARING A BEVERAGE**

[54] **PASTILLE DE CAFE SOLUBLE ET PROCEDE DE PREPARATION DE BOISSON**

[72] ZANETTI, MARTINO, IT

[71] HAUSBRANDT TRIESTE 1892 SPA, IT

[85] 2016-09-08

[86] 2015-03-10 (PCT/IB2015/051734)

[87] (WO2015/136439)

[30] IT (TV2014A000037) 2014-03-10

[21] **2,941,942**  
[13] A1

[51] **Int.Cl. E03C 1/232 (2006.01) E03C 1/04 (2006.01) E03C 1/14 (2006.01)**

[25] EN

[54] **IMPROVED PLUMBING APPARATUS**

[54] **APPAREIL DE PLOMBERIE AMELIORE**

[72] MCKENDRICK, CHRIS, GB

[72] MCALPINE, JAMES EDWARD, GB

[71] MCALPINE & CO. LIMITED, GB

[85] 2016-09-08

[86] 2015-03-24 (PCT/GB2015/050881)

[87] (WO2015/145141)

[30] GB (1405235.1) 2014-03-24

[21] **2,941,973**  
[13] A1

[51] **Int.Cl. A61M 39/06 (2006.01) A61M 25/00 (2006.01) A61M 25/06 (2006.01) A61M 39/22 (2006.01) A61M 39/28 (2006.01)**

[25] EN

[54] **AN ANTI-REFLUX CATHETER**

[54] **CATHETER ANTI-REFLUX**

[72] BERTOLI, ALESSANDRO, IT

[72] BALBONI, ALESSANDRO, IT

[71] DELTA MED S.P.A. UNIPERSONALE, IT

[85] 2016-09-08

[86] 2015-03-06 (PCT/IB2015/051666)

[87] (WO2015/136423)

[30] IT (MO2014A000059) 2014-03-10

[21] **2,941,975**  
[13] A1

[51] **Int.Cl. A23F 5/38 (2006.01) A23F 5/24 (2006.01)**

[25] EN

[54] **TABLET OF SOLUBLE COFFEE AND METHOD FOR PREPARING A BEVERAGE**

[54] **PASTILLE DE CAFE SOLUBLE ET PROCEDE DE PREPARATION DE BOISSON**

[72] ZANETTI, MARTINO, IT

[71] HAUSBRANDT TRIESTE 1892 SPA, IT

[85] 2016-09-08

[86] 2015-03-10 (PCT/IB2015/051734)

[87] (WO2015/136439)

[30] IT (TV2014A000037) 2014-03-10

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[21] <b>2,941,977</b> [13] A1	[21] <b>2,941,989</b> [13] A1	[21] <b>2,942,012</b> [13] A1
[51] <b>Int.Cl. H02G 3/02 (2006.01) H01B 13/012 (2006.01) H01R 4/66 (2006.01) H02G 3/32 (2006.01)</b>	[51] <b>Int.Cl. F02C 7/27 (2006.01) F01D 19/00 (2006.01) F02C 6/14 (2006.01)</b>	[51] <b>Int.Cl. F02C 6/02 (2006.01) F02C 6/08 (2006.01) F02C 7/277 (2006.01)</b>
[25] EN	[25] FR	[25] FR
[54] <b>BRACKET FOR AND METHOD OF FORMING A WIRE HARNESS ASSEMBLY</b>	[54] <b>HYDRAULIC DEVICE FOR EMERGENCY STARTING A TURBINE ENGINE, PROPULSION SYSTEM OF A MULTI-ENGINE HELICOPTER PROVIDED WITH ONE SUCH DEVICE, AND CORRESPONDING HELICOPTER</b>	[54] <b>METHOD FOR ASSISTING A TURBOSHAFT ENGINE IN STANDBY OF A MULTI-ENGINE HELICOPTER AND ARCHITECTURE OF A PROPULSION SYSTEM OF A HELICOPTER COMPRISING AT LEAST ONE TURBOSHAFT ENGINE THAT CAN BE IN STANDBY</b>
[54] <b>SUPPORT ET PROCEDE POUR FORMER UN ENSEMBLE FAISCEAU DE FILS</b>	[54] <b>DISPOSITIF HYDRAULIQUE DE DEMARRAGE D'URGENCE D'UN TURBOMOTEUR, SYSTEME PROPULSIF D'UN HELICOPTERE MULTI-MOTEUR EQUIPE D'UN TEL DISPOSITIF ET HELICOPTERE CORRESPONDANT</b>	[54] <b>PROCEDE D'ASSISTANCE D'UN TURBOMOTEUR EN VEILLE D'UN HELICOPTERE MULTI-MOTEUR ET ARCHITECTURE D'UN SYSTEME PROPULSIF D'UN HELICOPTERE COMPRENANT AU MOINS UN TURBOMOTEUR POUVANT ETRE EN VEILLE</b>
[72] ST-CYR, MARTIN, CA	[72] THIRIET, ROMAIN, FR	[72] BEDRINE, OLIVIER, FR
[71] BOMBARDIER INC., CA	[72] MOINE, BERTRAND, FR	[72] DESCUBES, OLIVIER PIERRE, FR
[85] 2016-09-08	[72] SERGHINE, CAMEL, FR	[71] SAFRAN HELICOPTER ENGINES, FR
[86] 2015-03-10 (PCT/IB2015/051743)	[72] POREL, FRANCOIS, FR	[85] 2016-09-08
[87] (WO2015/136448)	[71] SAFRAN HELICOPTER ENGINES, FR	[86] 2015-03-20 (PCT/FR2015/050696)
[30] US (61/950,411) 2014-03-10	[85] 2016-09-08	[87] (WO2015/145040)
	[86] 2015-03-20 (PCT/FR2015/050696)	[30] FR (1452643) 2014-03-27
	[87] (WO2015/145040)	
	[30] FR (1452643) 2014-03-27	
[21] <b>2,941,978</b> [13] A1		
[51] <b>Int.Cl. A61M 5/315 (2006.01) A61M 5/20 (2006.01) A61M 5/24 (2006.01)</b>		
[25] EN		
[54] <b>FLUID DELIVERY PEN WITH FINAL DOSE STOP AND IMPROVED DOSE SETTING FEATURES</b>		
[54] <b>STYLO D'ADMINISTRATION DE FLUIDE COMPRENANT UN ARRET DE DOSE FINALE ET DES ELEMENTS DE DOSAGE AMELIORES</b>		
[72] STEPHENSON, MATTHEW, NZ		
[72] KNIGHT, BARRY, AU		
[72] KNOWLES, STEPHEN, GB		
[72] JOSHI, UMESH, IN		
[72] TYAGI, ASHOK, IN		
[71] WOCKHARDT LIMITED, IN		
[85] 2016-09-08		
[86] 2015-03-13 (PCT/IB2015/051843)		
[87] (WO2015/145294)		
[30] IN (1008/MUM2014) 2014-03-25		

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[21] **2,942,018**  
[13] A1

[51] **Int.Cl. A61L 2/28 (2006.01) A61L 2/04 (2006.01) A61L 2/07 (2006.01) G01N 21/61 (2006.01) G01N 29/024 (2006.01)**

[25] EN

[54] **STERILIZATION CONTAINER WITH BATTERY POWERED SENSOR MODULE FOR MONITORING THE ENVIRONMENT IN THE CONTAINER**

[54] **RECIPIENT DE STERILISATION EQUIPE D'UN MODULE DE CAPTEUR ALIMENTE PAR UNE BATTERIE PERMETTANT DE SURVEILLER LE MILIEU PRESENT DANS LE RECIPIENT**

[72] CHILDERS, ROBERT WARREN, US  
[72] HENNIGES, BRUCE, US  
[72] HASSLER, WILLIAM L., US  
[72] BLANDINO, TOM, US  
[72] JENG, DAVID, US  
[72] MORRIS, RICHARD FRANKLIN, US  
[71] STRYKER CORPORATION, US  
[85] 2016-09-08  
[86] 2015-03-10 (PCT/US2015/019724)  
[87] (WO2015/138461)  
[30] US (61/951,178) 2014-03-11

[21] **2,942,061**  
[13] A1

[51] **Int.Cl. H01R 13/64 (2006.01)**

[25] EN

[54] **REVERSE POLARITY PROTECTION**

[54] **PROTECTION CONTRE LA POLARITE INVERSEE**

[72] LAPPOHN, JURGEN, DE  
[71] ERNI PRODUCTION GMBH & CO. KG, DE  
[85] 2016-09-09  
[86] 2015-03-09 (PCT/DE2015/100093)  
[87] (WO2015/135531)  
[30] DE (10 2014 003 477.1) 2014-03-14

[21] **2,942,091**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) H02H 9/02 (2006.01) H02J 9/00 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR WIRING A BATTERY MANAGEMENT SYSTEM**

[54] **DISPOSITIF ET METHODE DE CABLAGE D'UN MECANISME DE GESTION DE BATTERIE**

[72] JUNG, MAX, DE  
[72] LUX, STEPHAN, DE  
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2016-09-09  
[86] 2015-03-10 (PCT/EP2015/054959)  
[87] (WO2015/135938)  
[30] DE (10 2014 204 473.1) 2014-03-11

[21] **2,942,120**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A01K 67/027 (2006.01) A61P 3/10 (2006.01) A61P 5/50 (2006.01) C07K 16/18 (2006.01) C12Q 1/00 (2006.01)**

[25] EN

[54] **NOVEL COMPOUNDS CAPABLE OF ANTAGONIZING ISLET AMYLOID POLYPEPTIDE (IAPP) INDUCED .BETA.-CELL DAMAGE AND IMPAIRED GLUCOSE TOLERANCE**

[54] **NOUVEAUX COMPOSES CAPABLES D'AVOIR UN EFFET ANTAGONISTE SUR LES LESIONS DES CELLULES BETA INDUITES PAR LE POLYPEPTIDE D'ACIDES AMINES (IAPP) ET L'INTOLERANCE AU GLUCOSE**

[72] GRIMM, JAN, CH  
[72] HEITZ, FABRICE, FR  
[72] WIRTH, FABIAN, CH  
[72] WELT, TOBIAS, CH  
[71] NEURIMMUNE HOLDING AG, CH  
[71] UNIVERSITY OF ZURICH, CH  
[85] 2016-09-09  
[86] 2015-03-12 (PCT/EP2015/055238)  
[87] (WO2015/136055)  
[30] EP (14159194.1) 2014-03-12

[21] **2,942,121**  
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4439 (2006.01) A61P 3/04 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) C07D 207/26 (2006.01)**

[25] EN

[54] **SUBSTITUTED INDANONE COMPOUNDS AS GPR119 MODULATORS FOR THE TREATMENT OF DIABETES, OBESITY, DYSLIPIDEMIA AND RELATED DISORDERS**

[54] **COMPOSES INDANONE SUBSTITUES UTILES EN TANT QUE MODULATEURS DE GPR119 POUR LE TRAITEMENT DU DIABETE, DE L'OBESITE, DE LA DYSLIPIDEMIE ET DE TROUBLES ASSOCIES**

[72] SCHWINK, LOTHAR, DE  
[72] BUNING, CHRISTIAN, DE  
[72] GLOMBIK, HEINER, DE  
[72] GOSSEL, MATTHIAS, DE  
[72] KADEREIT, DIETER, DE  
[72] HALLAND, NIS, DE  
[72] LOHMANN, MATTHIAS, DE  
[72] POVERLEIN, CHRISTOPH, DE  
[72] RITTER, KURT, DE  
[71] SANOFI, FR  
[85] 2016-09-09  
[86] 2015-04-02 (PCT/EP2015/057413)  
[87] (WO2015/150563)  
[30] EP (14305491.4) 2014-04-04

[21] **2,942,122**  
[13] A1

[51] **Int.Cl. A61K 39/35 (2006.01) A61K 47/26 (2006.01) A61P 37/08 (2006.01)**

[25] EN

[54] **HSP-FREE ALLERGEN PREPARATION**

[54] **PREPARATION D'ALLERGENE EXEMPT DE HSP**

[72] LEGON, THIERRY, BE  
[72] PIROTTON, SABINE, BE  
[72] PLACIER, GAEL, BE  
[71] ASIT BIOTECH S.A., BE  
[85] 2016-09-09  
[86] 2015-04-09 (PCT/EP2015/057772)  
[87] (WO2015/155310)  
[30] EP (14164293.4) 2014-04-10

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[21] **2,942,134**  
[13] A1

[51] **Int.Cl. C07K 1/20 (2006.01) C07K 1/18 (2006.01) C07K 16/00 (2006.01)**  
[25] EN  
[54] **ROBUST ANTIBODY PURIFICATION**  
[54] **PURIFICATION D'ANTICORPS ROBUSTE**  
[72] SKUDAS, ROMAS, DE  
[72] JOEHNCK, MATTHIAS, DE  
[72] EDELMANN, BIANCA, DE  
[72] BRAUN, SIMON, DE  
[72] KOZLOV, MIKHAIL, US  
[72] STONE, MATTHEW T., US  
[72] GALIPEAU, KEVIN, US  
[71] MERCK PATENT GMBH, DE  
[85] 2016-09-02  
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[87] (WO2015/131978)  
[30] US (61/947,761) 2014-03-04

[21] **2,942,145**  
[13] A1

[51] **Int.Cl. B01F 17/00 (2006.01) B01F 3/08 (2006.01)**  
[25] EN  
[54] **EMULSIFIER COMPONENTS AND METHODS OF USING THE SAME**  
[54] **COMPOSANTS EMULSIFIANTS ET LEURS PROCEDES D'UTILISATION**  
[72] OLEKSIK, THOMAS P., US  
[72] PHILLIPS, DEREK T., US  
[72] WISE, CHRISTOPHER H., US  
[72] WESSLER, BRETT, US  
[72] KROTO, FRANK L., US  
[71] THE LUBRIZOL CORPORATION, US  
[85] 2016-09-02  
[86] 2015-01-28 (PCT/US2015/013177)  
[87] (WO2015/134129)  
[30] US (61/948,071) 2014-03-05

[21] **2,942,159**  
[13] A1

[51] **Int.Cl. E21B 33/134 (2006.01) E21B 33/12 (2006.01) E21B 33/13 (2006.01) E21B 33/138 (2006.01)**  
[25] EN  
[54] **WELL BARRIER METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE BARRIERE DE Puits**  
[72] MOYES, PETER, GB  
[71] XTREME WELL TECHNOLOGY LIMITED, GB  
[85] 2016-09-06  
[86] 2015-03-02 (PCT/GB2015/050592)  
[87] (WO2015/132567)  
[30] GB (1403918.4) 2014-03-05

[21] **2,942,161**  
[13] A1

[51] **Int.Cl. E05F 3/20 (2006.01) E05D 3/18 (2006.01) E05F 3/10 (2006.01) E05F 3/12 (2006.01)**  
[25] EN  
[54] **HYDRAULIC HINGE, IN PARTICULAR CONCEALED HINGE FOR DOORS**  
[54] **CHARNIERE HYDRAULIQUE, EN PARTICULIER CHARNIERE DISSIMULEE POUR PORTES**  
[72] MIGLIORANZO, IVANO, IT  
[71] OL.MI S.R.L., IT  
[85] 2016-09-06  
[86] 2015-03-25 (PCT/IB2015/052183)  
[87] (WO2015/145364)  
[30] IT (VI2014A000070) 2014-03-25  
[30] IT (VI2014A000072) 2014-03-25  
[30] IT (VI2014A000073) 2014-03-25

[21] **2,942,162**  
[13] A1

[51] **Int.Cl. A23N 1/00 (2006.01)**  
[25] EN  
[54] **FRUIT-SQUEEZING MACHINE**  
[54] **MACHINE PRESSE-FRUIITS**  
[72] CONTELL ALBERT, EUGENIO, ES  
[72] MARTINEZ ROCA, JORGE, ES  
[71] ZUMMO INNOVACIONES MECANICAS, S.A., ES  
[85] 2016-09-06  
[86] 2015-03-05 (PCT/ES2015/070158)  
[87] (WO2015/132440)  
[30] ES (P201430311) 2014-03-06

[21] **2,942,171**  
[13] A1

[51] **Int.Cl. C12N 15/53 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C12N 5/10 (2006.01) C12N 9/02 (2006.01) C12N 15/82 (2006.01)**  
[25] EN  
[54] **HPPD VARIANTS AND METHODS OF USE**  
[54] **VARIANTS HPPD ET LEURS PROCEDES D'UTILISATION**  
[72] DUBALD, MANUEL, US  
[72] ARMSTRONG, ROXANNE, US  
[72] POREE, FABIEN, DE  
[72] PETERS, CHERYL, US  
[71] BAYER CROPSCIENCE LP, US  
[71] BAYER CROPSCIENCE AG, DE  
[85] 2016-09-06  
[86] 2015-03-10 (PCT/US2015/019610)  
[87] (WO2015/138394)  
[30] US (61/951,455) 2014-03-11

[21] **2,942,174**  
[13] A1

[51] **Int.Cl. C08G 18/10 (2006.01) C08G 18/32 (2006.01) C08G 18/38 (2006.01) C08G 18/52 (2006.01) C08G 18/67 (2006.01) C08L 75/04 (2006.01) C09J 175/04 (2006.01)**  
[25] EN  
[54] **MICHAEL ACCEPTOR-TERMINATED URETHANE-CONTAINING FUEL RESISTANT PREPOLYMERS AND COMPOSITIONS THEREOF**  
[54] **PREPOLYMERES RESISTANT AU CARBURANT ET CONTENANT DE L'URETHANE, A TERMINAISON D'ACCEPTEUR DE MICHAEL, ET COMPOSITIONS ASSOCIEES**  
[72] KELEDJIAN, RAQUEL, US  
[72] ITO, MARFI, US  
[72] LIN, RENHE, US  
[71] PRC-DESOTO INTERNATIONAL, INC., US  
[85] 2016-09-06  
[86] 2015-03-06 (PCT/US2015/019209)  
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[25] EN

[54] **DEVICE AND METHOD FOR PRODUCING ELECTRIC ENERGY FOR PRODUCING IRON FROM OXIDE IRON ORES**

[54] **DISPOSITIF ET PROCEDE D'UTILISATION D'ENERGIE ELECTRIQUE POUR PRODUIRE DU FER A PARTIR DE MINERAIS DE FER OXYDIQUES**

[72] MARKOWZ, GEORG, DE  
[72] NEUHAUS, RAOUL, DE  
[72] BOSS, FLORIAN, DE  
[72] SCHNEIDER, HARALD, DE  
[72] MOLLER, MARTIN, DE  
[71] EVONIK DEGUSSA GMBH, DE  
[85] 2016-09-09  
[86] 2015-03-20 (PCT/EP2015/055934)  
[87] (WO2015/150119)  
[30] DE (10 2014 206 423.6) 2014-04-03

[21] **2,942,186**  
[13] A1

[51] **Int.Cl. A61K 9/10 (2006.01) A61K 9/48 (2006.01) A61K 31/454 (2006.01) A61K 47/10 (2006.01) A61K 47/14 (2006.01) A61K 47/22 (2006.01) A61K 47/26 (2006.01)**

[25] EN

[54] **NEW PHARMACEUTICAL COMPOSITION COMPRISING NON-IONIC SURFACTANTS**

[54] **NOUVELLE COMPOSITION PHARMACEUTIQUE COMPRENANT DES TENSIOACTIFS NON IONIQUES**

[72] MEIER, SUSANNE, CH  
[72] BRUESEWITZ, CARSTEN, CH  
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2016-09-09  
[86] 2015-06-16 (PCT/EP2015/063469)  
[87] (WO2015/193309)  
[30] EP (14173023.4) 2014-06-18  
[30] EP (14174664.4) 2014-06-27

[21] **2,942,189**  
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/06 (2006.01) G06T 7/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD DETECTING AND ADJUSTING FOR REFERENCE MARKER ERRORS IN SURGICAL NAVIGATION SYSTEMS**

[54] **SYSTEME ET PROCEDE DE DETECTION ET D'ADAPTATION POUR ERREURS DE MARQUEUR DE REFERENCE DANS DES SYSTEMES DE NAVIGATION CHIRURGICALE**

[72] SELA, GAL, CA  
[72] JAGGA, ARUN VICTOR, CA  
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB  
[85] 2016-09-07  
[86] 2014-09-15 (PCT/CA2014/050878)  
[87] (WO2015/135059)  
[30] CA (PCT/CA2014/050266) 2014-03-14

[21] **2,942,191**  
[13] A1

[51] **Int.Cl. B60K 11/08 (2006.01) F02N 19/10 (2010.01) B60H 1/00 (2006.01) B60R 19/52 (2006.01) F01P 7/12 (2006.01)**

[25] EN

[54] **VEHICLE AND METHOD OF CONTROLLING THE VEHICLE**

[54] **VEHICULE ET PROCEDE DE COMMANDE DU VEHICULE**

[72] MURATA, TAKASHI, JP  
[72] KATO, SHINGO, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[85] 2016-09-09  
[86] 2015-03-06 (PCT/IB2015/000283)  
[87] (WO2015/140615)  
[30] JP (2014-056574) 2014-03-19

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[13] A1

[51] **Int.Cl. A01N 65/08 (2009.01) A01N 25/02 (2006.01) A01N 25/30 (2006.01) A01N 43/72 (2006.01) A01N 63/02 (2006.01) A01P 1/00 (2006.01) A23L 3/3454 (2006.01) A23L 3/3463 (2006.01) A23L 3/3472 (2006.01) A23L 3/3508 (2006.01) C12P 1/02 (2006.01)**

[25] EN

[54] **ORGANIC ACID ANTIMICROBIAL COMPOSITIONS**

[54] **COMPOSITIONS ANTIMICROBIENNES A BASE D'ACIDE ORGANIQUE**

[72] LIU, ZHAOQING, US  
[72] CONSALO, CORINNE E., US  
[72] CHAPMAN, JOHN S., US  
[71] SOLENIS TECHNOLOGIES, L.P., CH  
[85] 2016-09-09  
[86] 2015-03-13 (PCT/IB2015/000727)  
[87] (WO2015/136366)  
[30] US (61/952,416) 2014-03-14

[21] **2,942,195**  
[13] A1

[51] **Int.Cl. B26D 5/08 (2006.01) B26D 5/12 (2006.01) B26D 7/08 (2006.01)**

[25] EN

[54] **DEVICE WITH A BLADE FOR PROCESSING A PRODUCT**

[54] **APPAREIL EQUIPE D'UNE LAME SERVANT AU TRAITEMENT D'UN PRODUIT**

[72] CARRASCO, CESAR, CH  
[71] A O SCHALLINOX GMBH, CH  
[85] 2016-09-09  
[86] 2015-03-27 (PCT/EP2015/056724)  
[87] (WO2015/150260)  
[30] EP (14163264.6) 2014-04-02

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[13] A1

[51] **Int.Cl. H01M 10/056 (2010.01) H01M 10/0525 (2010.01)**

[25] FR

[54] **IMPROVING THE ION CONDUCTIVITY OF AN ELECTROLYTE BASED ON LITHIUM IMIDAZOLATE SALTS**

[54] **AMELIORATION DE LA CONDUCTIVITE IONIQUE D'ELECTROLYTE A BASE DE SELS DE LITHIUM D'IMIDAZOLATE**

[72] SCHMIDT, GREGORY, FR

[71] ARKEMA FRANCE, FR

[85] 2016-09-09

[86] 2015-03-09 (PCT/FR2015/050574)

[87] (WO2015/136201)

[30] FR (1452145) 2014-03-14

[30] FR (1454902) 2014-05-30

[21] **2,942,203**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 35/16 (2015.01) A61K 38/17 (2006.01) A61K 38/36 (2006.01) A61K 38/38 (2006.01) C07K 1/14 (2006.01) C07K 1/22 (2006.01) C07K 1/36 (2006.01) C07K 16/06 (2006.01)**

[25] FR

[54] **METHOD FOR PREPARING HUMAN PLASMA PROTEINS**

[54] **PROCEDE DE PREPARATION DE PROTEINES PLASMATIQUES HUMAINES**

[72] BATAILLE, DAMIEN, FR

[72] CHTOUROU, ABDESSATAR, FR

[72] SANTAMBIEN, PATRICK, FR

[71] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR

[85] 2016-09-09

[86] 2015-03-10 (PCT/FR2015/050598)

[87] (WO2015/136217)

[30] FR (1451997) 2014-03-11

[21] **2,942,204**  
[13] A1

[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/4155 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATION COMPRISING A BTK INHIBITOR AND AN AKT INHIBITOR**

[54] **COMBINAISON COMPRENANT UN INHIBITEUR DE BTK ET UN INHIBITEUR D'ATK**

[72] KUMAR, RAKESH, US

[72] ROBELL, KIMBERLY A., US

[71] NOVARTIS AG, CH

[85] 2016-09-09

[86] 2015-02-24 (PCT/IB2015/051380)

[87] (WO2015/136398)

[30] US (61/951,640) 2014-03-12

[21] **2,942,208**  
[13] A1

[51] **Int.Cl. A01N 43/60 (2006.01) A01N 35/10 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **HERBICIDAL COMPOSITION**

[54] **COMPOSITION HERBICIDE**

[72] GUICHARD, AURELIEN, FR

[72] SEPULCHRE DE CONDE, CHRISTOPHE, FR

[71] ARYSTA LIFESCIENCE, FR

[85] 2016-09-09

[86] 2015-03-11 (PCT/FR2015/050606)

[87] (WO2015/136221)

[30] FR (14 51983) 2014-03-11

[30] FR (14 51982) 2014-03-11

[21] **2,942,210**  
[13] A1

[51] **Int.Cl. A61C 17/02 (2006.01) A61C 5/02 (2006.01)**

[25] FR

[54] **ROOT CANAL IRRIGATION NEEDLE ENHANCEMENT**

[54] **PERFECTIONNEMENT POUR AIGUILLE D'IRRIGATION CANALAIRE**

[72] DETURMENY, ARNAUD, FR

[71] DETURMENY, ARNAUD, FR

[85] 2016-09-09

[86] 2015-03-11 (PCT/FR2015/050609)

[87] (WO2015/136223)

[30] FR (1452003) 2014-03-11

[21] **2,942,219**  
[13] A1

[51] **Int.Cl. B64D 37/06 (2006.01) B32B 1/02 (2006.01) B32B 27/04 (2006.01) B64D 37/32 (2006.01) C08J 5/04 (2006.01) D03D 15/00 (2006.01)**

[25] EN

[54] **AVIATION FUEL TANK WITH RIGID WALL FOR CRASH ENERGY ABSORPTION**

[54] **RESERVOIR DE CARBURANT POUR L'AVIATION DOTE DE PAROIS RIGIDES SERVANT A ABSORBER L'ENERGIE D'UN ACCIDENT**

[72] BRIAND, VALERIE, FR

[71] ZODIAC AEROSAFETY SYSTEMS, FR

[85] 2016-09-09

[86] 2015-03-25 (PCT/IB2015/052210)

[87] (WO2015/145379)

[30] US (61/969,967) 2014-03-25

[21] **2,942,230**  
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/24 (2006.01)**

[25] EN

[54] **MEDICAL DEVICE COMPRISING A HYDROPHILIC CURVED FLEXIBLE TIP FOR THE TREATMENT OF VARICOSE VEINS**

[54] **DISPOSITIF MEDICAL COMPORTANT UNE EXTREMITE HYDROPHILE FLEXIBLE ET INCURVEE UTILISABLE EN VUE DU TRAITEMENT DES VEINES VARIQUEUSES**

[72] CHASTANET, SYLVAIN, FR

[72] PITTALUGA, PAUL, FR

[71] CHASTANET, SYLVAIN, FR

[71] PITTALUGA, PAUL, FR

[85] 2016-09-07

[86] 2015-03-11 (PCT/EP2015/000533)

[87] (WO2015/135647)

[30] FR (14/00596) 2014-03-12

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[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 9/19 (2006.01) A61K 39/395 (2006.01) A61K 47/26 (2006.01) C07K 14/705 (2006.01) C12N 5/16 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **ANTI-MCAM ANTIBODIES AND ASSOCIATED METHODS OF USE**

[54] **ANTICORPS ANTI-MCAM ET PROCEDES D'UTILISATION ASSOCIES**

[72] LIU, YUE, US

[72] GARIDEL, PATRICK, DE

[72] LANGER, ANDREAS, DE

[71] PROTHENA BIOSCIENCES LIMITED, IE

[85] 2016-09-09

[86] 2015-03-12 (PCT/IB2015/051787)

[87] (WO2015/136470)

[30] US (61/952,116) 2014-03-12

[30] US (61/952,833) 2014-03-13

[30] US (62/023,724) 2014-07-11

[30] US (62/068,419) 2014-10-24

[21] **2,942,234**  
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 39/00 (2006.01) A61K 47/10 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **LIPOSOMAL COMPOSITIONS FOR MUCOSAL DELIVERY**

[54] **COMPOSITIONS LIPOSOMALES POUR ADMINISTRATION PAR VOIE MUQUEUSE**

[72] DUTTA, NUPUR, US

[72] OBEROI, HARDEEP, US

[72] BURKHART, DAVID, US

[72] EVANS, JAY T., US

[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE

[85] 2016-09-09

[86] 2015-03-12 (PCT/IB2015/051807)

[87] (WO2015/136479)

[30] US (61/952,124) 2014-03-12

[21] **2,942,235**  
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 39/00 (2006.01) A61K 47/20 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **IMMUNOGENIC LIPOSOMAL FORMULATION**

[54] **FORMULATION LIPOSOMALE IMMUNOGENE**

[72] DUTTA, NUPUR, US

[72] OBEROI, HARDEEP, US

[72] BURKHART, DAVID, US

[72] EVANS, JAY T., US

[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE

[85] 2016-09-09

[86] 2015-03-12 (PCT/IB2015/051810)

[87] (WO2015/136480)

[30] US (61/952,118) 2014-03-12

[21] **2,942,236**  
[13] A1

[51] **Int.Cl. A61K 31/397 (2006.01) A61K 9/00 (2006.01) A61K 9/16 (2006.01)**

[25] EN

[54] **IMMUNOSUPPRESSANT FORMULATION**

[54] **FORMULATION D'IMMUNOSUPPRESSEUR**

[72] BOUILLOT, PHILIPPE MICHEL RENE, CH

[72] REYNAUD, EMERIC, CH

[71] NOVARTIS AG, CH

[85] 2016-09-09

[86] 2015-04-08 (PCT/IB2015/052552)

[87] (WO2015/155711)

[30] US (61/977,806) 2014-04-10

[21] **2,942,238**  
[13] A1

[51] **Int.Cl. A47B 88/04 (2006.01)**

[25] EN

[54] **PULLOUT GUIDE FOR A DRAWER, AND METHOD FOR SECURING A DRAWER TO A PULLOUT GUIDE**

[54] **GUIDE D'EXTRACTION, DESTINE A UN TIROIR ET PROCEDE DE FIXATION D'UN TIROIR SUR UN GUIDE D'EXTRACTION**

[72] KLAUS, STEFAN, DE

[71] PAUL HETTICH GMBH & CO. KG, DE

[85] 2016-09-07

[86] 2015-03-25 (PCT/EP2015/056422)

[87] (WO2015/144769)

[30] DE (10 2014 104 136.4) 2014-03-25

[21] **2,942,239**  
[13] A1

[51] **Int.Cl. A61K 31/513 (2006.01) A61P 31/18 (2006.01) C07D 413/12 (2006.01)**

[25] EN

[54] **A PREMIX OF CRYSTALLINE RALTEGRAVIR POTASSIUM SALT AND A PROCESS FOR THE PREPARATION THEREOF**

[54] **PREMELANGE DE SEL DE POTASSIUM DE RALTEGRAVIR CRISTALLIN ET PROCEDE DE PREPARATION ASSOCIE**

[72] DANDALA, RAMESH, IN

[72] VELLANKI, SIVARAMA PRASAD, IN

[72] BALUSU, RAJA BABU, IN

[72] PUTTA, SUBBARAYUDU, IN

[71] MYLAN LABORATORIES LTD., IN

[85] 2016-09-09

[86] 2015-03-20 (PCT/IB2015/052050)

[87] (WO2015/140765)

[30] IN (944/MUM/2014) 2014-03-21

[21] **2,942,240**  
[13] A1

[51] **Int.Cl. C07K 14/00 (2006.01) A61K 38/04 (2006.01) A61K 38/16 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL PEPTIDE DENDRIMERS**

[54] **DENDRIMERES PEPTIDIQUES ANTIMICROBIENS**

[72] DARBRE, TAMIS, CH

[72] REYMOND, JEAN-LOUIS, CH

[72] STACH, MICHAELA, DE

[71] UNIVERSITAT BERN, CH

[85] 2016-09-07

[86] 2015-03-27 (PCT/EP2015/056819)

[87] (WO2015/144928)

[30] EP (14162252.2) 2014-03-28

[21] **2,942,241**  
[13] A1

[51] **Int.Cl. A24B 3/18 (2006.01) A24B 15/28 (2006.01) A24B 15/42 (2006.01)**

[25] EN

[54] **TOBACCO RAW MATERIAL**

[54] **MATIERE PREMIERE DE TABAC**

[72] BJORKHOLM, LARS, SE

[71] X-INTERNATIONAL APS, DK

[85] 2016-09-07

[86] 2015-04-02 (PCT/EP2015/057278)

[87] (WO2015/150506)

[30] SE (1450421-1) 2014-04-04

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[13] A1

[51] **Int.Cl. A61K 47/22 (2006.01) A61K 9/00 (2006.01) A61K 31/198 (2006.01) A61P 25/16 (2006.01)**

[25] EN

[54] **DOPA DECARBOXYLASE INHIBITOR COMPOSITIONS**

[54] **COMPOSITIONS D'INHIBITEURS DE DOPA-DECARBOXYLASE**

[72] YACOBY-ZEEVI, ORON, IL

[71] NEURODERM LTD, IL

[85] 2016-09-09

[86] 2015-03-12 (PCT/IL2015/050258)

[87] (WO2015/136538)

[30] US (61/952,477) 2014-03-13

[30] US (61/990,967) 2014-05-09

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[21] **2,942,274**  
[13] A1

[51] **Int.Cl. A61G 7/05 (2006.01) A47C 21/02 (2006.01) A61B 5/11 (2006.01) A61G 7/057 (2006.01)**

[25] EN

[54] **PATIENT MONITORING AND REPOSITIONING SYSTEM AND METHOD**

[54] **SYSTEME DE SURVEILLANCE ET DE REPOSITIONNEMENT D'UN PATIENT ET METHODE ASSOCIEE**

[72] HILLENBRAND, WILLIAM A., II, US

[72] HORNBAACH, DAVID, US

[72] KUMMER, JOSEPH, US

[72] SAVAGE, TIMOTHY, US

[71] HILLENBRAND MANAGEMENT COMPANY LLC, US

[85] 2016-09-07

[86] 2015-03-13 (PCT/US2015/020489)

[87] (WO2015/138929)

[30] US (61/952,380) 2014-03-13

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[51] **Int.Cl. A61F 2/90 (2013.01) A61F 2/89 (2013.01) A61F 2/86 (2013.01)**

[25] EN

[54] **REDUCED GRANULATION AND INFLAMMATION STENT DESIGN**

[54] **CONCEPTION DE STENT REDUISANT LA GRANULATION ET L'INFLAMMATION**

[72] FLEURY, SEAN P., US

[72] SEDDON, DANE T., US

[72] WEITZNER, BARRY, US

[71] BOSTON SCIENTIFIC SCIMED, INC., US

[85] 2016-09-07

[86] 2015-03-17 (PCT/US2015/021029)

[87] (WO2015/142897)

[30] US (61/954,786) 2014-03-18

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[21] **2,942,280**  
[13] A1

[51] **Int.Cl. C07C 249/04 (2006.01) C07B 57/00 (2006.01) C07C 249/14 (2006.01) C07C 251/38 (2006.01)**

[25] EN

[54] **AN IMPROVED PROCESS FOR THE PREPARATION OF EXAMETAZIME**

[54] **PROCEDE AMELIORE POUR LA PREPARATION D'EXAMETAZIME**

[72] BISWAS, SUJAY, IN

[72] BANSAL, VIKAS, IN

[72] CHAKRAVARTY, ROHIT, IN

[72] PRASAD, MOKKAPATI UMAMAHESHWAR, IN

[72] MASAND, MUKESH, IN

[72] VIR, DHARAM, IN

[71] JUBILANT LIFE SCIENCES LIMITED, IN

[85] 2016-09-07

[86] 2015-03-17 (PCT/IB2015/051928)

[87] (WO2015/145302)

[30] IN (883/DEL/2014) 2014-03-27

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[21] **2,942,282**  
[13] A1

[51] **Int.Cl. E21B 17/10 (2006.01)**

[25] EN

[54] **CENTRALISER**

[54] **CENTREUR**

[72] KIRK, ANDREW, GB

[72] KIRK, NATHAN JAMES, GB

[71] DOWNHOLE PRODUCTS LIMITED, GB

[85] 2016-09-09

[86] 2015-02-13 (PCT/GB2015/050416)

[87] (WO2015/140494)

[30] GB (1405011.6) 2014-03-20

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[21] **2,942,284**  
[13] A1

[51] **Int.Cl. G01M 99/00 (2011.01) F24H 9/20 (2006.01) G08B 21/18 (2006.01) H04L 12/26 (2006.01)**

[25] EN

[54] **DETERMINATION OF A STATE OF OPERATION OF A DOMESTIC APPLIANCE**

[54] **DETERMINATION DE L'ETAT DE FONCTIONNEMENT D'UN APPAREIL ELECTROMENAGER**

[72] BRYCE, RICHARD JOHN, GB

[72] ANNING, JAMES ERIC, GB

[71] BRITISH GAS TRADING LIMITED, GB

[85] 2016-09-09

[86] 2015-03-11 (PCT/GB2015/050715)

[87] (WO2015/136285)

[30] GB (1404313.7) 2014-03-11

[30] GB (1404312.9) 2014-03-11

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[21] <b>2,942,289</b> [13] A1	[21] <b>2,942,297</b> [13] A1	[21] <b>2,942,334</b> [13] A1
[51] <b>Int.Cl. C12N 15/864 (2006.01) C07K 14/015 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/35 (2006.01) C12N 15/86 (2006.01)</b>	[51] <b>Int.Cl. C08L 95/00 (2006.01) C04B 24/34 (2006.01) C04B 26/26 (2006.01) C08L 97/00 (2006.01)</b>	[51] <b>Int.Cl. A23L 3/14 (2006.01) A23L 3/10 (2006.01) A61L 2/04 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>FURTHER IMPROVED AAV VECTORS PRODUCED IN INSECT CELLS</b>	[54] <b>BITUMEN COMPOSITION COMPOSITION DE BITUME</b>	[54] <b>RETORT AGITATION SYSTEM SYSTEME D'AGITATION EN AUTOCLAVE</b>
[54] <b>VECTEURS AAV ENCORE AMELIORES PRODUITS DANS DES CELLULES D'INSECTES</b>	[72] <b>SLAGHEK, THEODOOR MAXIMILIAAN, NL</b>	[72] <b>DAMHUIS, EDUARD HENDRIKUS JOHANNES, BE</b>
[72] <b>LUBELSKI, JACEK, NL</b>	[72] <b>VAN VLIET, DAVE, NL</b>	[72] <b>ALUWE, BART, BE</b>
[72] <b>BOSMA, SEBASTIAAN MENNO, NL</b>	[72] <b>GIEZEN, CECILE, NL</b>	[71] <b>JOHN BEAN TECHNOLOGIES CORPORATION, US</b>
[72] <b>PETRY, HARALD PETER ALBERT, NL</b>	[72] <b>HAAKSMAN, INGRID KARIN, NL</b>	[85] 2016-09-09
[72] <b>HERMENS, WILHELMUS THEODORUS JOHANNES MARIA CHRISTIAAN, NL</b>	[71] <b>NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL</b>	[86] 2015-03-11 (PCT/US2015/019854)
[71] <b>UNIQUE IP B.V., NL</b>	[85] 2016-09-09	[87] (WO2015/142579)
[85] 2016-09-09	[86] 2015-03-13 (PCT/NL2015/050163)	[30] US (14/214,997) 2014-03-16
[86] 2015-03-10 (PCT/NL2015/050149)	[87] (WO2015/137813)	
[87] (WO2015/137802)	[30] EP (14159436.6) 2014-03-13	[21] <b>2,942,337</b> [13] A1
[30] EP (14158610.7) 2014-03-10		[51] <b>Int.Cl. A61M 1/14 (2006.01) A61M 1/16 (2006.01) A61M 1/36 (2006.01) G01N 23/02 (2006.01) G01N 27/74 (2006.01)</b>
[21] <b>2,942,294</b> [13] A1	[21] <b>2,942,324</b> [13] A1	[25] EN
[51] <b>Int.Cl. H04W 24/02 (2009.01) H04W 28/08 (2009.01)</b>	[51] <b>Int.Cl. C12N 15/85 (2006.01) C12N 15/113 (2010.01) A61K 38/17 (2006.01) A61P 27/02 (2006.01) C12N 15/67 (2006.01) C12N 15/864 (2006.01) C07K 14/705 (2006.01)</b>	[54] <b>MEASURING CONDUCTIVITY OF A MEDICAL FLUID</b>
[25] EN	[25] EN	[54] <b>MESURE DE LA CONDUCTIVITE D'UN FLUIDE MEDICAL</b>
[54] <b>CONTROL OF LONG TERM EVOLUTION (LTE) VIRTUAL NETWORK ELEMENTS BASED ON RADIO NETWORK TUNNELS</b>	[54] <b>A MODIFIED MGLUR6 PROMOTER AND METHODS OF USE</b>	[72] <b>BEIRIGER, MICHAEL JAMES, US</b>
[54] <b>COMMANDE D'ELEMENTS DE RESEAU VIRTUEL D'EVOLUTION A LONG TERME (LTE) SUR LA BASE DE TUNNELS DE RESEAU RADIO</b>	[54] <b>PROMOTEUR MGLUR6 MODIFIE ET PROCEDES D'UTILISATION</b>	[71] <b>FRESENIUS MEDICAL CARE HOLDINGS, INC., US</b>
[72] <b>HINKLE, AARON PAUL, US</b>	[72] <b>PAN, ZHUO-HUA, US</b>	[85] 2016-09-09
[72] <b>GAN, SENG CHAI, US</b>	[72] <b>LU, QI, US</b>	[86] 2015-03-19 (PCT/US2015/021550)
[72] <b>NGUYEN, KHOI DINH, US</b>	[72] <b>GANJAWALA, TUSHAR H., US</b>	[87] (WO2015/148270)
[72] <b>WU, DANMEI, US</b>	[72] <b>CHENG, JRGANG, US</b>	[30] US (14/228,999) 2014-03-28
[71] <b>SPRINT COMMUNICATIONS COMPANY L.P., US</b>	[71] <b>WAYNE STATE UNIVERSITY, US</b>	
[85] 2016-09-09	[85] 2016-09-09	[21] <b>2,942,343</b> [13] A1
[86] 2015-03-09 (PCT/US2015/019449)	[86] 2015-03-11 (PCT/US2015/019985)	[51] <b>Int.Cl. H04W 68/00 (2009.01) H04W 12/10 (2009.01) H04W 12/12 (2009.01)</b>
[87] (WO2015/138323)	[87] (WO2015/138616)	[25] EN
[30] US (14/204,192) 2014-03-11	[30] US (61/951,360) 2014-03-11	[54] <b>METHOD FOR VALIDATING MESSAGES</b>
		[54] <b>PROCEDE POUR VALIDER DES MESSAGES</b>
		[72] <b>BUCKLEY, MICHAEL EOIN, US</b>
		[72] <b>LAMBERT, ROBERT JOHN, CA</b>
		[72] <b>EBEID, NEVINE MAURICE NASSIF, CA</b>
		[71] <b>BLACKBERRY LIMITED, CA</b>
		[71] <b>CERTICOM CORP., CA</b>
		[85] 2016-09-09
		[86] 2015-03-20 (PCT/US2015/021765)
		[87] (WO2015/143330)
		[30] US (14/220,983) 2014-03-20

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[13] A1

[51] **Int.Cl. F16C 17/00 (2006.01) F16C 17/08 (2006.01) F16C 17/18 (2006.01) F16C 19/52 (2006.01) F16C 19/55 (2006.01) F16C 41/00 (2006.01) F16C 17/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR LUBRICATING PLAIN BEARINGS**

[54] **SYSTEME ET PROCEDE DE LUBRIFICATION DE PALIERS LISSES**

[72] VANCE, ERIC A., US

[72] KIDDOO, MICHAEL ROY, US

[71] UNIVERSAL CITY STUDIOS LLC, US

[85] 2016-09-09

[86] 2015-02-26 (PCT/US2015/017794)

[87] (WO2015/138140)

[30] US (14/203,337) 2014-03-10

[21] **2,942,372**  
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 90/98 (2016.01) A61B 17/16 (2006.01) A61B 17/32 (2006.01)**

[25] EN

[54] **POWERED SURGICAL HANDPIECE HAVING A SURGICAL TOOL WITH AN RFID TAG**

[54] **PIECE A MAIN CHIRURGICALE ELECTRIQUE AYANT UN OUTIL CHIRURGICAL AYANT UNE ETIQUETTE RFID**

[72] GLADSTONE, SAMUEL, US

[71] MEDTRONIC XOMED, INC., US

[85] 2016-09-09

[86] 2015-03-27 (PCT/US2015/023003)

[87] (WO2015/148928)

[30] US (14/227,765) 2014-03-27

[21] **2,942,375**  
[13] A1

[51] **Int.Cl. F16F 9/04 (2006.01) B60G 11/27 (2006.01) F16F 9/05 (2006.01)**

[25] EN

[54] **ROLLING PISTON**

[54] **PISTON A DEROULEMENT**

[72] WEBER, MICHAEL, DE

[72] FATH, STEFAN, DE

[71] SAF-HOLLAND GMBH, DE

[85] 2016-06-03

[86] 2014-12-05 (PCT/EP2014/076754)

[87] (WO2015/082699)

[30] DE (10 2013 113 577.3) 2013-12-05

[21] **2,942,408**  
[13] A1

[51] **Int.Cl. A23K 10/38 (2016.01) A23K 10/30 (2016.01) A23K 20/00 (2016.01)**

[25] EN

[54] **FEED COMPONENTS AND METHOD FOR MAKING AND USING**

[54] **CONSTITUANTS D'ALIMENTATION ET PROCEDE DE FABRICATION ET D'UTILISATION**

[72] WILLIAMS, RODNEY L., US

[72] WILLIAMS, TYSON B., US

[71] RICHFEED LLC, US

[85] 2016-09-09

[86] 2015-03-11 (PCT/US2015/019934)

[87] (WO2015/138591)

[30] US (61/951,331) 2014-03-11

[21] **2,942,417**  
[13] A1

[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/20 (2016.01) G06F 19/00 (2011.01) A61B 5/00 (2006.01) A61B 6/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR HEALTH IMAGING INFORMATICS**

[54] **SYSTEME ET PROCEDE S'APPLIQUANT A L'INFORMATIQUE D'IMAGERIE MEDICALE**

[72] HODGES, WESLEY BRYAN, CA

[72] PYO, NORMAN, CA

[72] PIRON, CAMERON, CA

[72] DYER, KELLY, CA

[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB

[85] 2016-09-12

[86] 2014-09-15 (PCT/CA2014/050873)

[87] (WO2015/135056)

[30] CA (PCT/CA2014/050269) 2014-03-14

[21] **2,942,425**  
[13] A1

[51] **Int.Cl. C22F 1/05 (2006.01) C22C 21/00 (2006.01) C25D 11/08 (2006.01)**

[25] FR

[54] **METHOD FOR THE PRODUCTION OF AN ANODISED, TURNED MECHANICAL PART MADE FROM 6XXX ALLOY AND HAVING LOW ROUGHNESS AFTER ANODISATION**

[54] **PROCEDE DE FABRICATION D'UNE PIECE MECANIQUE DECOLLETEE ET ANODISEE EN ALLIAGE 6XXX PRESENTANT UNE FAIBLE RUGOSITE APRES ANODISATION**

[72] DOLEGA, LUKASZ, FR

[72] SAFRANY, JEAN-SYLVESTRE, FR

[72] KOLARIK, IVO, CZ

[71] CONSTELLIUM EXTRUSION DECIN S.R.O., CZ

[85] 2016-09-12

[86] 2015-03-20 (PCT/EP2015/000613)

[87] (WO2015/144302)

[30] FR (14/00704) 2014-03-24

[21] **2,942,426**  
[13] A1

[51] **Int.Cl. C22C 21/08 (2006.01) C22C 21/00 (2006.01) C22F 1/047 (2006.01) C22F 1/05 (2006.01) C25D 11/08 (2006.01)**

[25] FR

[54] **EXTRUDED 6XXX ALLOY PRODUCT THAT IS SUITABLE FOR TURNING AND HAS LOW ROUGHNESS AFTER ANODISATION**

[54] **PRODUIT FILE EN ALLIAGE 6XXX APTE AU DECOLLETAGE ET PRESENTANT UNE FAIBLE RUGOSITE APRES ANODISATION**

[72] DOLEGA, LUKASZ, FR

[72] SAFRANY, JEAN-SYLVESTRE, FR

[72] KOLARIK, IVO, CZ

[71] CONSTELLIUM EXTRUSION DECIN S.R.O., CZ

[85] 2016-09-12

[86] 2015-03-20 (PCT/EP2015/000614)

[87] (WO2015/144303)

[30] FR (14/00703) 2014-03-24

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[21] **2,942,429**  
[13] A1

[51] **Int.Cl. B60P 1/43 (2006.01) B60P 1/02 (2006.01) B62B 3/04 (2006.01) B62D 53/00 (2006.01) B62D 63/06 (2006.01)**

[25] EN

[54] **TRAILER-TRAIN TRAILER WITH CARRYING FRAME FOR A MATERIAL TRANSPORT CART**

[54] **REMORQUE DE TRAIN DE REMORQUES AVEC BÂTI DE SUPPORT POUR CHARIOT DE PRODUITS A TRANSPORTER**

[72] BERGHAMMER, FRITZ, DE

[71] LR INTRALOGISTIK GMBH, DE

[85] 2016-09-12

[86] 2014-12-19 (PCT/EP2014/078772)

[87] (WO2015/149892)

[30] DE (20 2014 101 510.8) 2014-03-31

[21] **2,942,431**  
[13] A1

[51] **Int.Cl. F16B 1/00 (2006.01) F16D 1/08 (2006.01)**

[25] EN

[54] **FRICTION CONNECTING MEANS**

[54] **MOYEN DE RACCORDEMENT PAR FRICTION**

[72] BJORNHOV, TOBIAS, SE

[72] OLSSON, RASMUS, SE

[72] NILSSON, ADAM, SE

[71] COREBON AB, SE

[85] 2016-09-12

[86] 2015-03-11 (PCT/EP2015/055098)

[87] (WO2015/136002)

[30] SE (1450275-1) 2014-03-11

[21] **2,942,433**  
[13] A1

[51] **Int.Cl. C40B 40/02 (2006.01) C07K 14/725 (2006.01) C12N 1/19 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 15/09 (2006.01) C40B 30/04 (2006.01) C40B 40/10 (2006.01) C40B 50/06 (2006.01)**

[25] EN

[54] **TCR LIBRARIES**

[54] **BANQUES DE TCR**

[72] JAKOBSEN, BENT KARSTEN, GB

[72] MOLLOY, PETER EAMON, GB

[72] VUIDEPOT, ANNELEISE BRIGITTE, GB

[72] LIDDY, NATHANIEL ROSS, GB

[71] IMMUNOCORE LIMITED, GB

[71] ADAPTIMMUNE LIMITED, GB

[85] 2016-09-12

[86] 2015-03-13 (PCT/EP2015/055293)

[87] (WO2015/136072)

[30] GB (1404536.3) 2014-03-14

[30] US (61/953,114) 2014-03-14

[30] GB (1421336.7) 2014-12-02

[21] **2,942,434**  
[13] A1

[51] **Int.Cl. F16F 9/53 (2006.01) B60N 2/24 (2006.01) B60N 2/42 (2006.01) B60N 2/427 (2006.01) F16F 15/00 (2006.01)**

[25] EN

[54] **METHOD AND ASSEMBLY FOR ABSORBING ENERGY FROM LOADS BEING APPLIED DURING AN OVERLOAD EVENT IN ORDER TO PREVENT DAMAGE**

[54] **PROCEDE ET ENSEMBLE DESTINES A L'ABSORPTION D'ENERGIE DE CONTRAINTES SE PRODUISANT LORS D'UN EVENEMENT DE SURCHARGE, AFIN D'EVITER TOUT DOMMAGE**

[72] BATTLOGG, STEFAN, AT

[72] MAYER, MARKUS, AT

[71] INVENTUS ENGINEERING GMBH, AT

[85] 2016-09-12

[86] 2015-03-13 (PCT/EP2015/055364)

[87] (WO2015/136105)

[30] DE (10 2014 103 462.7) 2014-03-13

[21] **2,942,436**  
[13] A1

[51] **Int.Cl. F16F 9/53 (2006.01) B60N 2/24 (2006.01) B60N 2/42 (2006.01) B60N 2/427 (2006.01) F16F 15/00 (2006.01)**

[25] EN

[54] **METHOD AND LOADING UNIT FOR ENERGY ABSORPTION OF LOADS ACTING IN AN OVERLOAD EVENT**

[54] **PROCEDE ET UNITE DE CHARGEMENT DESTINES A L'AMORTISSEMENT DE CONTRAINTES EXERCEES EN CAS DE SURCHARGE**

[72] BATTLOGG, STEFAN, AT

[72] MAYER, MARKUS, AT

[71] INVENTUS ENGINEERING GMBH, AT

[85] 2016-09-12

[86] 2015-03-13 (PCT/EP2015/055375)

[87] (WO2015/136111)

[30] DE (10 2014 103 463.5) 2014-03-13

[21] **2,942,437**  
[13] A1

[51] **Int.Cl. A45D 34/04 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO DEODORANT BALLS**

[54] **AMELIORATIONS APORTEES A DES BILLES DE DEODORANT OU RELATIVES A CELLES-CI**

[72] SCHMIDT, PATRICK, DE

[72] HINDLE, DEREK, FR

[72] GOEDE, RAINER, DE

[72] STOELBEN, PETER, DE

[71] OBRIST CLOSURES SWITZERLAND GMBH, CH

[85] 2016-09-12

[86] 2015-03-14 (PCT/EP2015/055378)

[87] (WO2015/136114)

[30] GB (1404665.0) 2014-03-14

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[21] **2,942,438**  
[13] A1

[51] **Int.Cl. F16F 9/53 (2006.01) B60N 2/24 (2006.01) B60N 2/42 (2006.01) B60N 2/427 (2006.01)**

[25] EN

[54] **ASSEMBLY FOR ENERGY ABSORPTION IN AN OVERLOAD EVENT**

[54] **ENSEMBLE D'ABSORPTION D'ENERGIE LORS D'UN EVENEMENT DE SURCHARGE**

[72] BATTLOGG, STEFAN, AT

[72] POSEL, JURGEN, AT

[71] INVENTUS ENGINEERING GMBH, AT

[85] 2016-09-12

[86] 2015-03-13 (PCT/EP2015/055372)

[87] (WO2015/136109)

[30] DE (10 2014 103 455.4) 2014-03-13

[21] **2,942,445**  
[13] A1

[51] **Int.Cl. B65G 1/04 (2006.01) B25J 5/02 (2006.01) E04H 6/18 (2006.01) B65G 1/06 (2006.01)**

[25] EN

[54] **ROBOTIC SERVICE DEVICE**

[54] **DISPOSITIF D'ENTRETIEN ROBOTIQUE**

[72] FRYER, MARK, GB

[72] INGRAM-TEDD, ANDY, GB

[72] SHAIKH, SIDDIQUE, GB

[72] LINDBO, SVERKER, GB

[71] OCADO INNOVATION LIMITED, GB

[85] 2016-09-12

[86] 2015-03-18 (PCT/EP2015/055695)

[87] (WO2015/140216)

[30] GB (1404870.6) 2014-03-18

[21] **2,942,448**  
[13] A1

[51] **Int.Cl. C04B 28/06 (2006.01) B28B 19/00 (2006.01) C04B 14/00 (2006.01) C04B 24/26 (2006.01) C04B 24/40 (2006.01) C09K 21/02 (2006.01) E04B 1/94 (2006.01)**

[25] EN

[54] **FIREPROOFING CEMENTITIOUS COATING COMPOSITION**

[54] **COMPOSITION IGNIFUGE DE REVETEMENT A BASE DE CIMENT**

[72] MORRIS, OWEN, GB

[72] HUWILER, LUKAS, CH

[71] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL

[85] 2016-09-12

[86] 2015-03-26 (PCT/EP2015/056489)

[87] (WO2015/144796)

[30] EP (14162420.5) 2014-03-28

[21] **2,942,450**  
[13] A1

[51] **Int.Cl. C07K 14/31 (2006.01) A61K 39/085 (2006.01) A61K 39/39 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 19/00 (2006.01)**

[25] EN

[54] **MUTANT STAPHYLOCOCCAL ANTIGENS**

[54] **ANTIGENES STAPHYLOCOCCIQUES MUTANTS**

[72] BAGNOLI, FABIO, IT

[72] FIASCHI, LUIGI, IT

[72] SCARSELLI, MARIA, IT

[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE

[85] 2016-09-12

[86] 2015-03-24 (PCT/EP2015/056175)

[87] (WO2015/144653)

[30] EP (14161861.1) 2014-03-26

[30] EP (14192913.3) 2014-11-12

[21] **2,942,453**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01)**

[25] EN

[54] **ANTIBODIES BINDING TO HUMAN AND CYNOMOLGUS CD3 EPSILON**

[54] **ANTICORPS SE LIANT AU CD3-EPSILON HUMAIN ET DE SINGE CYNOMOLGUS**

[72] TIEFENTHALER, GEORG, DE

[72] MOESSNER, EKKEHARD, CH

[72] LIFKE, VALERIA, DE

[72] PLATZER, JOSEF, DE

[72] OFFNER, SONJA, DE

[72] JAEGER, CHRISTIANE, CH

[72] RITTER, MIRKO, DE

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2016-09-12

[86] 2015-05-22 (PCT/EP2015/061457)

[87] (WO2015/181098)

[30] EP (14170140.9) 2014-05-28

[30] EP (14180572.1) 2014-08-11

[21] **2,942,454**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**

[25] EN

[54] **AEROSOL GENERATING SYSTEM WITH A RUPTURING SYSTEM FOR A CONTAINER**

[54] **SYSTEME DE PRODUCTION D'AEROSOL AVEC SYSTEME DE RUPTURE POUR RECIPIENT**

[72] BATISTA, RUI NUNO, CH

[72] BUEHLER, FREDERIC, CH

[71] THE PROCTER & GAMBLE COMPANY, US

[71] PHILIP MORRIS PRODUCTS S.A., CH

[85] 2016-09-12

[86] 2015-06-19 (PCT/EP2015/063883)

[87] (WO2015/197502)

[30] EP (14173558.9) 2014-06-23

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[21] **2,942,455**  
[13] A1

[51] **Int.Cl. F16C 21/00 (2006.01) F16C 17/20 (2006.01) F16C 17/10 (2006.01) F16C 19/38 (2006.01)**

[25] EN

[54] **HYBRID SHAFT BEARING, WIND GENERATOR COMPRISING A HYBRID SHAFT BEARING, USE OF THE HYBRID SHAFT BEARING AND METHOD OF OPERATING THE HYBRID SHAFT BEARING**

[54] **PALIER D'ARBRE HYBRIDE A PALIER HYDRODYNAMIQUE ET PALIER A ROULEMENT, AEROGENERATEUR COMPRENANT UN PALIER D'ARBRE HYBRIDE, UTILISATION DUDIT PALIER D'ARBRE HYBRIDE ET PROCEDE DE FONCTIONNEMENT DUDIT PALIER D'ARBRE HYBRIDE**

[72] MTAUWEG, SAMER, DE  
[72] ARNDT, JOACHIM, DE  
[72] PISCHEL, KLAUS, DE  
[71] AREVA WIND GMBH, DE  
[85] 2016-09-12  
[86] 2015-03-20 (PCT/EP2015/055897)  
[87] (WO2015/140286)  
[30] EP (14160922.2) 2014-03-20

[21] **2,942,456**  
[13] A1

[51] **Int.Cl. B25B 25/00 (2006.01) B21D 39/03 (2006.01) B65B 13/02 (2006.01) B65B 13/34 (2006.01)**

[25] EN

[54] **TOOL FOR MOUNTING A TENSION CLAMP**

[54] **OUTIL POUR FIXER UN COLLIER DE SERRAGE**

[72] SEELOS, ROBERT, CH  
[72] DE VITTORI, NELSON, CH  
[72] STEINER, PETER, CH  
[71] OETIKER SCHWEIZ AG, CH  
[85] 2016-09-12  
[86] 2015-12-16 (PCT/EP2015/079988)  
[87] (WO2016/096983)  
[30] EP (PCT/EP2014/078344) 2014-12-17

[21] **2,942,458**  
[13] A1

[51] **Int.Cl. A24D 3/14 (2006.01) A61P 39/00 (2006.01)**

[25] EN

[54] **HOMEOPATHIC PROCEDURE FOR THE NEUTRALIZATION OF DAMAGE FROM CIGARETTE SMOKE AND "NEUTRALIZED" CIGARETTE OBTAINED THEREFROM**

[54] **PROTOCOLE HOMEOPATHIQUE POUR LA NEUTRALISATION DE DOMMAGES DUS LA FUMEE DE CIGARETTE ET CIGARETTE "NEUTRALISEE" OBTENUE A PARTIR DE CELUI-CI**

[72] COLOMBO, CLAUDIO, IT  
[71] COLOMBO, CLAUDIO, IT  
[85] 2016-09-12  
[86] 2015-03-27 (PCT/EP2015/056792)  
[87] (WO2015/150284)  
[30] IT (MI2014A 000556) 2014-03-31

[21] **2,942,459**  
[13] A1

[51] **Int.Cl. C07K 14/725 (2006.01) A61K 35/17 (2015.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 7/06 (2006.01) C07K 14/47 (2006.01) C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12Q 1/02 (2006.01)**

[25] EN

[54] **CLAUDIN-6-SPECIFIC IMMUNORECEPTORS AND T CELL EPITOPES**

[54] **IMMUNORECEPTEURS ET EPITOPES DE LYMPHOCYTES T SPECIFIQUES DE LA CLAUDINE-6**

[72] SAHIN, UGUR, DE  
[72] TURECI, OZLEM, DE  
[72] SIMON, PETRA, DE  
[72] OMOKOKO, TANA, DE  
[72] HOFF, HOLGER, DE  
[72] VOSS, RALF-HOLGER, DE  
[72] BREITKREUZ, ANDREA, DE  
[72] HOBHOM, KATHLEEN, DE  
[72] MROZ, KAROLINA ANNA, DE  
[71] BIONTECH CELL & GENE THERAPIES GMBH, DE  
[71] TRON-TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITATSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITAT MAINZ GEMEINNUTZIGE GMBH, DE  
[71] UNIVERSITAETSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITAT MAINZ, DE  
[71] GANYMED PHARMACEUTICALS AG, DE  
[85] 2016-09-12  
[86] 2015-03-30 (PCT/EP2015/056899)  
[87] (WO2015/150327)  
[30] EP (PCT/EP2014/000868) 2014-04-01  
[30] EP (PCT/EP2014/072864) 2014-10-24

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[21] **2,942,461**  
[13] A1

[51] **Int.Cl. F02K 1/70 (2006.01) F02K 1/60 (2006.01) F02K 1/82 (2006.01)**

[25] FR

[54] **DOOR-TYPE THRUST REVERSER DEVICE FOR AIRCRAFT TURBOJET ENGINE NACELLE**

[54] **DISPOSITIF D'INVERSION DE POUSSEE A PORTES POUR NACELLE DE TURBOREACTEUR D'AERONEF**

[72] CARUEL, PIERRE, FR  
[72] LE DOCTE, THIERY, FR  
[71] AIRCELLE, FR

[85] 2016-09-12  
[86] 2015-03-24 (PCT/FR2015/050733)  
[87] (WO2015/155432)  
[30] FR (14/53106) 2014-04-08

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[21] **2,942,464**  
[13] A1

[51] **Int.Cl. F03B 13/26 (2006.01) H02K 1/27 (2006.01) H02K 5/12 (2006.01) H02K 7/18 (2006.01)**

[25] EN

[54] **APPARATUS FOR GENERATING ELECTRICITY FROM A TIDAL OR OCEAN CURRENT WATER FLOW**

[54] **APPAREIL DE PRODUCTION D'ELECTRICITE A PARTIR D'UNE CIRCULATION D'EAU DE COURANT DE MAREE OU OCEANIQUE**

[72] MULVEY, PATRICK JAMES, US  
[71] OCEAN CURRENT ENERGY LLC, GB

[85] 2016-09-12  
[86] 2015-03-12 (PCT/GB2015/000089)  
[87] (WO2015/140490)  
[30] GB (1404883.9) 2014-03-18

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[21] **2,942,468**  
[13] A1

[51] **Int.Cl. F24D 19/00 (2006.01) F16L 37/12 (2006.01)**

[25] EN

[54] **CONNECTION ASSEMBLY**

[54] **ENSEMBLE DE RACCORDEMENT**

[72] ADEY, CHRISTOPHER, GB  
[72] DOWNIE, SIMON, GB  
[72] PATHAN, KASHEM, GB  
[71] ADEY HOLDINGS (2008) LIMITED, GB

[85] 2016-09-12  
[86] 2015-03-06 (PCT/GB2015/050667)  
[87] (WO2015/136249)  
[30] GB (1404432.5) 2014-03-13

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[21] **2,942,471**  
[13] A1

[51] **Int.Cl. H01M 8/248 (2016.01) H01M 8/0258 (2016.01) H01M 8/241 (2016.01)**

[25] EN

[54] **FUEL CELL STACK ARRANGEMENT**

[54] **AGENCEMENT DE BLOC DE PILES A COMBUSTIBLE**

[72] LEAH, ROBERT, GB  
[72] BONE, ADAM, GB  
[72] REES, LEE, GB  
[71] CERES INTELLECTUAL PROPERTY COMPANY LIMITED, GB

[85] 2016-09-12  
[86] 2015-03-12 (PCT/GB2015/050729)  
[87] (WO2015/136295)  
[30] GB (1404373.1) 2014-03-12  
[30] GB (1406586.6) 2014-04-11

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[21] **2,942,473**  
[13] A1

[51] **Int.Cl. F17C 13/04 (2006.01) F16K 27/00 (2006.01) F16K 51/00 (2006.01)**

[25] FR

[54] **BLOC ROBINET POUR RECIPIENT DE GAZ AVEC DISPOSITIF INDICATEUR DE PRESSION OU D'AUTONOMIE EN POSITION HAUTE**

[54] **VALVE UNIT FOR GAS CONTAINER WITH A PRESSURE-INDICATING OR AUTONOMY-INDICATING DEVICE NEAR THE TOP**

[72] BAUNE, EMMANUEL, FR  
[72] GERMANI, DAMIEN, FR  
[72] LIGONESCHE, RENAUD, FR  
[72] RUDNIANYN, PHILIPPE, FR  
[72] TARANTELO, CHIARA, FR  
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR

[85] 2016-09-12  
[86] 2015-03-04 (PCT/FR2015/050525)  
[87] (WO2015/136190)  
[30] FR (1452041) 2014-03-12

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[21] **2,942,474**  
[13] A1

[51] **Int.Cl. H04B 10/25 (2013.01) H04B 10/2581 (2013.01) H04B 10/27 (2013.01) H04J 14/02 (2006.01)**

[25] EN

[54] **COMMUNICATION OVER MULTIMODE AND SINGLE MODE FIBER**

[54] **COMMUNICATION SUR UNE FIBRE MULTIMODE ET A MODE UNIQUE**

[72] SHETH, SAMIR, US  
[72] KING, JONATHAN P., US  
[72] SJOLUND, T.H. OLA, US  
[72] XU, XIAOJIE, US  
[72] DU, TENGDA, US  
[72] KOEHLER, STEFFEN, US  
[71] FINISAR CORPORATION, US

[85] 2016-09-12  
[86] 2015-03-10 (PCT/US2015/019759)  
[87] (WO2015/138492)  
[30] US (61/950,789) 2014-03-10  
[30] US (62/065,568) 2014-10-17

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[21] **2,942,475**  
[13] A1

[51] **Int.Cl. B28B 19/00 (2006.01) B28C 5/00 (2006.01)**

[25] EN

[54] **A METHOD OF FORMING CONCRETE**

[54] **PROCEDE DE PREPARATION DE BETON**

[72] HARPER, IAN PETER, GB  
[72] LISTER, PAUL ROY, GB  
[72] WHEAT, MICHAEL IAN, GB  
[71] BACEMENT LIMITED, GB

[85] 2016-09-12  
[86] 2015-03-19 (PCT/GB2015/050812)  
[87] (WO2015/140561)  
[30] GB (1405065.2) 2014-03-21

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[21] **2,942,481**  
[13] A1

[51] **Int.Cl. C09J 175/14 (2006.01) B01D 61/08 (2006.01) B01D 61/10 (2006.01)**

[25] EN

[54] **POLYURETHANE ADHESIVES FOR REVERSE OSMOSIS MODULES**

[54] **ADHESIFS DE POLYURETHANE POUR MODULES D'OSMOSE INVERSE**

[72] KAHLE, GORDON, US  
[72] JORDAN, RICHARD, US  
[71] CYTEC INDUSTRIES INC., US  
[85] 2016-09-12  
[86] 2015-03-11 (PCT/US2015/019882)  
[87] (WO2015/138561)  
[30] US (61/951,741) 2014-03-12

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[21] **2,942,499**  
[13] A1

[51] **Int.Cl. A63C 1/32 (2006.01) A63C 1/30 (2006.01) A63C 1/34 (2006.01)**

[25] EN

[54] **SKATE BLADE WITH IMPROVED TURNING PROPERTIES**

[54] **LAME DE PATIN A GLACE AYANT DES PROPRIETES DE PIVOTEMENT AMELIOREES**

[72] MAKAI, MIKLOS, HU  
[71] MAKAI, MIKLOS, HU  
[85] 2016-09-12  
[86] 2015-03-19 (PCT/HU2015/000026)  
[87] (WO2015/140587)  
[30] HU (P1400158) 2014-03-20

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[21] **2,942,501**  
[13] A1

[51] **Int.Cl. C12N 15/67 (2006.01) A61K 31/7088 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/11 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **NUCLEIC ACID MOLECULE VACCINE COMPOSITIONS AND USES THEREOF**

[54] **COMPOSITIONS VACCINALES A MOLECULES D'ACIDE NUCLEIQUE ET LEURS UTILISATIONS**

[72] FLORKIEWICZ, ROBERT Z., US  
[71] TAPIMMUNE INC., US  
[85] 2016-09-12  
[86] 2015-03-17 (PCT/US2015/021117)  
[87] (WO2015/142963)  
[30] US (61/954,588) 2014-03-17

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[21] **2,942,505**  
[13] A1

[51] **Int.Cl. F16K 3/24 (2006.01) F16J 15/3236 (2016.01) F16K 47/08 (2006.01)**

[25] EN

[54] **BI-DIRECTIONAL SEAL ASSEMBLY FOR USE WITH VALVES**

[54] **ENSEMBLE JOINT BIDIRECTIONNEL A UTILISER AVEC DES SOUPAPES**

[72] FAAS, WAYNE RUSSELL, US  
[71] FISHER CONTROLS INTERNATIONAL LLC, US  
[85] 2016-09-12  
[86] 2015-03-18 (PCT/US2015/021140)  
[87] (WO2015/142977)  
[30] US (14/217,791) 2014-03-18

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[21] **2,942,512**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) C09K 8/592 (2006.01) E21B 43/30 (2006.01)**

[25] EN

[54] **STAGED STEAM EXTRACTION OF IN SITU BITUMEN**

[54] **EXTRACTION A LA VAPEUR DE BITUME IN SITU PAR ETAPES**

[72] SINGH, HARPREET, US  
[72] AKIYA, NAOKO, US  
[72] CHEN, WU, US  
[72] GILLIS, PAUL A., US  
[72] HASSAN, ABU MOKHTARUL, US  
[72] KUVADIA, ZUBIN B., US  
[72] MUKHERJEE, BIPLAB, US  
[72] PAZMINO, JORGE H., US  
[72] TALAY, DEFNE KAYRAK, US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2016-09-12  
[86] 2015-03-18 (PCT/US2015/021253)  
[87] (WO2015/143034)  
[30] US (61/968,480) 2014-03-21

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[21] **2,942,537**  
[13] A1

[51] **Int.Cl. C12G 3/06 (2006.01) A23L 2/56 (2006.01) C12C 12/00 (2006.01)**

[25] EN

[54] **FLAVOR SYSTEM AND METHOD FOR MAKING BEVERAGES**

[54] **SYSTEME D'AROMES ET PROCEDE DE PRODUCTION DE BOISSONS**

[72] SCHUH, CHRISTIAN, US  
[72] FLORA, JASON, US  
[72] KOBAL, GERD, US  
[72] KARLES, GEORGIOS D., US  
[71] ALTRIA CLIENT SERVICES INC., US  
[85] 2016-09-12  
[86] 2015-03-13 (PCT/US2015/020455)  
[87] (WO2015/138904)  
[30] US (14/208,551) 2014-03-13

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[21] **2,942,542**  
[13] A1

[51] **Int.Cl. E21B 33/06 (2006.01) E21B 33/08 (2006.01)**

[25] EN

[54] **BEARING ASSEMBLY COOLING METHODS**

[54] **PROCEDES DE REFROIDISSEMENT D'ENSEMBLE PALIER**

[72] CHAMBERS, JAMES W., US  
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[85] 2016-09-12  
[86] 2015-04-30 (PCT/US2015/028555)  
[87] (WO2015/168429)  
[30] US (61/986,661) 2014-04-30

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[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 9/00 (2006.01) C07K 16/40 (2006.01)**  
[25] EN  
[54] **METHODS FOR REDUCING CARDIOVASCULAR RISK**  
[54] **METHODES PERMETTANT DE REDUIRE LE RISQUE CARDIOVASCULAIRE**  
[72] BESSAC, LAURENCE, FR  
[72] HANOTIN, CORINNE, FR  
[72] PORDY, ROBERT C., US  
[72] SASIELA, WILLIAM J., US  
[72] SCHWARTZ, GREGORY G., US  
[72] STEG, PHILIPPE GABRIEL, FR  
[71] SANOFI BIOTECHNOLOGY, FR  
[71] REGENERON PHARMACEUTICALS, INC., US  
[85] 2016-09-12  
[86] 2015-03-13 (PCT/US2015/020564)  
[87] (WO2015/142668)  
[30] US (61/954,094) 2014-03-17  
[30] US (62/025,400) 2014-07-16  
[30] US (62/043,182) 2014-08-28  
[30] EP (15305293.1) 2015-02-26

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[21] **2,942,551**  
[13] A1

[51] **Int.Cl. G09B 23/28 (2006.01) A61B 34/10 (2016.01) G09B 9/00 (2006.01)**  
[25] EN  
[54] **ADVANCED FIRST ENTRY MODEL FOR SURGICAL SIMULATION**  
[54] **MODELE AVANCE DE PREMIERE ENTREE POUR LA SIMULATION CHIRURGICALE**  
[72] WACHLI, SERENE, US  
[72] HOFSTETTER, GREGORY K., US  
[72] BLACK, KATIE, US  
[72] POULSEN, NIKOLAI, US  
[72] HOLMES, HEIDI, US  
[72] FELSINGER, NATASHA, US  
[72] BRESLIN, TRACY, US  
[72] PRAVONGVIENGKHAM, KENNII, US  
[72] PRAVONG, BOUN, US  
[72] BOLANOS, EDUARDO, US  
[72] FALKENSTEIN, ZORAN, US  
[72] HART, CHARLES, C., US  
[72] TALWAR, TINA, US  
[71] APPLIED MEDICAL RESOURCES CORPORATION, US  
[85] 2016-09-12  
[86] 2015-03-13 (PCT/US2015/020574)  
[87] (WO2015/138982)  
[30] US (61/952,289) 2014-03-13

[21] **2,942,555**  
[13] A1

[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/115 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A23L 33/17 (2016.01) A23L 33/21 (2016.01) A23L 2/39 (2006.01) A23L 2/52 (2006.01)**  
[25] EN  
[54] **NUTRITIONAL SUPPLEMENT POWDER**  
[54] **POUDRE DE COMPLEMENT NUTRITIONNEL**  
[72] GUPTA, ROCKENDRA, US  
[72] PATEL, GAURAV, US  
[72] DEWILLE, NORMANELLA, US  
[71] ABBOTT LABORATORIES, US  
[85] 2016-09-12  
[86] 2015-03-23 (PCT/US2015/022025)  
[87] (WO2015/148384)  
[30] US (61/970,509) 2014-03-26

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[21] **2,942,556**  
[13] A1

[51] **Int.Cl. C22C 38/14 (2006.01) C21D 8/00 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**  
[25] EN  
[54] **AIR-HARDENABLE BAINITIC STEEL PART**  
[54] **PIECE D'ACIER BAINITIQUE DURCISSABLE A L'AIR**  
[72] LIU, TIANJUN, US  
[72] KISER, MATTHEW THOMAS, US  
[71] CATERPILLAR INC., US  
[85] 2016-09-12  
[86] 2015-02-18 (PCT/US2015/016266)  
[87] (WO2015/142453)  
[30] US (14/220,971) 2014-03-20

[21] **2,942,565**  
[13] A1

[51] **Int.Cl. C08J 3/205 (2006.01) A61F 2/02 (2006.01) A61L 27/16 (2006.01) B29C 71/02 (2006.01) C08J 7/06 (2006.01) C08L 23/06 (2006.01)**  
[25] EN  
[54] **MELT-STABILIZED ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE AND METHOD OF MAKING THE SAME**  
[54] **POLYETHYLENE A POIDS MOLECULAIRE ULTRA-ELEVE STABILISE A L'ETAT FONDU ET SON PROCEDE DE FABRICATION**  
[72] PLETCHER, DIRK, US  
[71] ZIMMER, INC., US  
[85] 2016-09-12  
[86] 2015-02-26 (PCT/US2015/017741)  
[87] (WO2015/138137)  
[30] US (61/951,661) 2014-03-12

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[21] **2,942,572**  
[13] A1

[51] **Int.Cl. A61F 2/00 (2006.01) A61F 2/95 (2013.01) A61F 2/966 (2013.01) A61M 25/01 (2006.01)**  
[25] EN  
[54] **METHOD OF MANUFACTURING A DEPLOYMENT HANDLE OF A MEDICAL DEVICE DEPLOYMENT SYSTEM**  
[54] **PROCEDE DE FABRICATION D'UN MANCHE DE DEPLOIEMENT D'UN SYSTEME DE DEPLOIEMENT DE DISPOSITIF MEDICAL**  
[72] BEARD, MATTHEW S., US  
[72] HERRIN, DAVID A., US  
[72] KENNELLY ULLMAN, JOSEPH N., US  
[72] SECTOR, MARTIN J., US  
[72] SOKEL, JUSTIN W., US  
[72] VAN CLEAVE, JARED L., US  
[71] W. L. GORE & ASSOCIATES, INC., US  
[85] 2016-09-12  
[86] 2015-04-02 (PCT/US2015/024091)  
[87] (WO2015/153887)  
[30] US (61/975,183) 2014-04-04  
[30] US (14/676,771) 2015-04-01

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<p style="text-align: center;">[21] <b>2,942,587</b> [13] A1</p> <p>[51] <b>Int.Cl. B01J 23/00 (2006.01) B01J 21/02 (2006.01) C01B 3/40 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>YTTRIUM-CONTAINING CATALYST FOR HIGH-TEMPERATURE CARBON DIOXIDE HYDRATION, COMBINED HIGH-TEMPERATURE CARBON DIOXIDE HYDRATION, AND REFORMING AND/OR REFORMING, AND A METHOD FOR HIGH-TEMPERATURE CARBON DIOXIDE HYDRATION, COMBINED HIGH-TEMPERATURE CARBON DIOXIDE HYDRATION AND REFORMING AN/OR REFORMING</b></p> <p>[54] <b>CATALYSEUR CONTENANT DE L'YTTRIUM POUR L'HYDROGENATION DU DIOXYDE DE CARBONE A HAUTE TEMPERATURE, L'HYDROGENATION DU DIOXYDE DE CARBONE A HAUTE TEMPERATURE ET LE REFORMAGE COMBINES ET/OU LE REFORMAGE AINSI QU'UN PROCEDE D'HYDROGENATION DU DIOXYDE DE CARBONE A HAUTE TEMPERATURE, D'HYDROGENATION DU DIOXYDE DE CARBONE A HAUTE TEMPERATURE ET DE REFORMAGE COMBI</b></p> <p>[72] SCHUNK, STEPHAN A., DE [72] SCHWAB, EKKEHARD, DE [72] MILANOV, ANDRIAN, DE [72] WASSERSCHAFF, GUIDO, DE [72] ROUSSIERE, THOMAS, DE [72] STRASSER, ANDREAS, DE [72] LIZANDARA, CARLOS, DE [72] MULLER, ROBERT, DE [71] BASF SE, DE [85] 2016-09-13 [86] 2015-03-11 (PCT/EP2015/055022) [87] (WO2015/135968) [30] EP (14159991.0) 2014-03-14 [30] EP (14198192.8) 2014-12-16</p>	<p style="text-align: center;">[21] <b>2,942,601</b> [13] A1</p> <p>[51] <b>Int.Cl. B03B 9/02 (2006.01) C02F 1/00 (2006.01) C02F 1/44 (2006.01) C02F 1/52 (2006.01) C02F 5/00 (2006.01) C02F 5/08 (2006.01) C02F 9/00 (2006.01) F22B 29/06 (2006.01) F22B 37/48 (2006.01) F22D 11/00 (2006.01)</b></p> <p>[25] FR</p> <p>[54] <b>PROCESS FOR EXTRACTING HEAVY OILS AND FOR GENERATING STEAM</b></p> <p>[54] <b>PROCEDE D'EXTRACTION D'HUILES LOURDES ET DE GENERATION DE VAPEUR D'EAU</b></p> <p>[72] PEDENAUD, PIERRE, FR [71] TOTAL SA, FR [85] 2016-09-13 [86] 2015-03-16 (PCT/EP2015/055451) [87] (WO2015/140111) [30] FR (14 52419) 2014-03-21</p> <hr/> <p style="text-align: center;">[21] <b>2,942,604</b> [13] A1</p> <p>[51] <b>Int.Cl. C22C 19/05 (2006.01) C22C 30/00 (2006.01) C22F 1/10 (2006.01)</b></p> <p>[25] FR</p> <p>[54] <b>PRECIPITATION HARDENING NICKEL ALLOY, PART MADE OF SAID ALLOY, AND MANUFACTURING METHOD THEREOF</b></p> <p>[54] <b>ALLIAGE A BASE NICKEL A DURCISSEMENT STRUCTURAL, PIECE EN CET ALLIAGE ET SON PROCEDE DE FABRICATION</b></p> <p>[72] CROZET, CORALINE, FR [72] DEVAUX, ALEXANDRE, FR [71] AUBERT &amp; DUVAL, FR [85] 2016-09-13 [86] 2015-03-13 (PCT/EP2015/055346) [87] (WO2015/136094) [30] FR (1452157) 2014-03-14</p>	<p style="text-align: center;">[21] <b>2,942,605</b> [13] A1</p> <p>[51] <b>Int.Cl. G01N 33/48 (2006.01) G01N 33/483 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHODS FOR IDENTIFYING A BIOMARKER INDICATIVE OF A REDUCED DRUG RESPONSE USING A THERMAL SHIFT ASSAY</b></p> <p>[54] <b>METHODE D'IDENTIFICATION D'UN BIOMARQUEUR INDIQUANT UNE REACTION MEDICAMENTEUSE REDUITE A L'AIDE D'UNE ANALYSE DE VARIATION THERMIQUE</b></p> <p>[72] MARTINEZ MOLINA, DANIEL, SE [72] NORDLUND, PAR, SE [71] PELAGO BIOSCIENCE AB, SE [85] 2016-09-13 [86] 2015-03-25 (PCT/GB2015/050895) [87] (WO2015/145151) [30] GB (1405327.6) 2014-03-25</p> <hr/> <p style="text-align: center;">[21] <b>2,942,607</b> [13] A1</p> <p>[51] <b>Int.Cl. F16H 19/04 (2006.01) F03B 13/18 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>A GEAR ARRANGEMENT</b></p> <p>[54] <b>AGENCEMENT D'ENGRENAGES</b></p> <p>[72] LUNDBACK, STIG, SE [72] SVENSSON, STEFAN, SE [72] HELLESTIG, ANDRE, SE [72] MOLLER, PATRIK, SE [72] BJORKLUND, STEFAN, SE [71] CASCADE DRIVES AB, SE [85] 2016-09-13 [86] 2015-03-17 (PCT/EP2015/055550) [87] (WO2015/140163) [30] EP (14160554.3) 2014-03-18</p> <hr/> <p style="text-align: center;">[21] <b>2,942,608</b> [13] A1</p> <p>[51] <b>Int.Cl. E21B 47/14 (2006.01) E21B 43/24 (2006.01) E21B 47/12 (2012.01)</b></p> <p>[25] EN</p> <p>[54] <b>DOWNHOLE SURVEILLANCE</b></p> <p>[54] <b>SURVEILLANCE DE FOND DE TROU</b></p> <p>[72] ROY, JAMES, CA [72] LAING, CARSON, CA [71] OPTASENSE HOLDINGS LIMITED, GB [85] 2016-09-13 [86] 2015-03-31 (PCT/GB2015/050984) [87] (WO2015/150781) [30] GB (1405746.7) 2014-03-31</p>
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[21] **2,942,610**  
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**

[25] EN

[54] **A MEDICAMENT FOR USE IN A METHOD OF INDUCING OR EXTENDING A CELLULAR CYTOTOXIC IMMUNE RESPONSE**

[54] **MEDICAMENT DESTINE A ETRE UTILISE DANS UN PROCEDE D'INDUCTION OU D'EXTENSION D'UNE REPONSE IMMUNOCYTOTOXIQUE CELLULAIRE**

[72] KROCZEK, RICHARD, DE

[71] BUNDESREPUBLIK DEUTSCHLAND  
LETZTVERTRETEN DURCH DAS ROBERT KOCH-INSTITUT  
VERTRETEN DURCH SEINEN PRASIDENTEN, DE

[85] 2016-09-13

[86] 2015-03-17 (PCT/EP2015/055574)

[87] (WO2015/140175)

[30] EP (14000971.3) 2014-03-17

[21] **2,942,611**  
[13] A1

[51] **Int.Cl. A61K 31/485 (2006.01) A61K 9/08 (2006.01) A61K 9/72 (2006.01) A61M 11/02 (2006.01) A61M 15/08 (2006.01) A61P 25/36 (2006.01)**

[25] EN

[54] **NASAL DRUG PRODUCTS AND METHODS OF THEIR USE**

[54] **PRODUITS DE MEDICAMENT NASAL ET LEURS METHODES D'UTILISATION**

[72] CRYSTAL, ROGER, GB

[72] WEISS, MICHAEL BRENNER, US

[71] OPIANT PHARMACEUTICALS, INC., US

[85] 2016-09-13

[86] 2015-03-16 (PCT/IB2015/000941)

[87] (WO2015/136373)

[30] US (61/953,379) 2014-03-14

[21] **2,942,616**  
[13] A1

[51] **Int.Cl. H02S 40/30 (2014.01) H02S 40/32 (2014.01) H02J 3/38 (2006.01) H02M 3/00 (2006.01)**

[25] EN

[54] **HIGH EFFICIENCY INTERLEAVED SOLAR POWER SUPPLY SYSTEM**

[54] **SYSTEME D'ALIMENTATION ELECTRIQUE SOLAIRE ENTRELACE DE HAUT RENDEMENT**

[72] LEDENEV, ANATOLI, US

[71] AMPT, LLC, US

[85] 2016-09-09

[86] 2013-03-15 (PCT/US2013/032410)

[87] (WO2014/143021)

[21] **2,942,624**  
[13] A1

[51] **Int.Cl. F16H 57/04 (2010.01) F16L 27/08 (2006.01) F16N 7/00 (2006.01) F16N 21/00 (2006.01)**

[25] EN

[54] **OIL TRANSFER ASSEMBLY, TO LET LUBRICATING OIL FLOW FROM A STATIONARY PART TO A ROTATING PART, IN PARTICULAR FOR AN EPICYCLIC TRANSMISSION**

[54] **ENSEMBLE DE TRANSFERT D'HUILE, POUR ADMETTRE UN ECOULEMENT D'HUILE DE LUBRIFICATION A PARTIR D'UNE PARTIE STATIONNAIRE JUSQU'A UNE PARTIE ROTATIVE, EN PARTICULIER POUR UNE TRANSMISSION EPICYCLOIDALE**

[72] ALTAMURA, PAOLO, IT

[71] GE AVIO S.R.L., IT

[85] 2016-09-13

[86] 2015-03-18 (PCT/IB2015/052001)

[87] (WO2015/140743)

[30] IT (TO2014A000220) 2014-03-18

[21] **2,942,625**  
[13] A1

[51] **Int.Cl. B29C 70/24 (2006.01)**

[25] EN

[54] **METHOD FOR MAKING A COMPOSITE BOARD**

[54] **PROCEDE DE FABRICATION D'UNE PLANCHE COMPOSITE**

[72] GASTALDI, DARIO, IT

[71] ABET LAMINATI S.P.A., IT

[85] 2016-09-13

[86] 2015-03-13 (PCT/IB2015/051857)

[87] (WO2015/136498)

[30] IT (TO2014A000200) 2014-03-13

[21] **2,942,626**  
[13] A1

[51] **Int.Cl. A61K 41/00 (2006.01) A61K 9/00 (2006.01) A61L 24/00 (2006.01) A61M 5/14 (2006.01) A61N 5/06 (2006.01) A61P 9/14 (2006.01) A61L 27/54 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND DEVICES FOR SCLEROTHERAPY USING LIGHT HARDENING GLUES**

[54] **COMPOSITIONS ET DISPOSITIFS POUR LA SCLEROTHERAPIE A L'AIDE DE COLLES DURCISSANT A LA LUMIERE**

[72] RAGG, JOHANN CHRISTOF, DE

[71] SWISS VX VENENTHERAPIE UND FORSCHUNG GMBH, CH

[85] 2016-09-13

[86] 2015-03-27 (PCT/EP2015/056760)

[87] (WO2015/144898)

[30] EP (14162466.8) 2014-03-28

[30] EP (14164393.2) 2014-04-11

[21] **2,942,633**  
[13] A1

[51] **Int.Cl. A61F 2/04 (2013.01)**

[25] EN

[54] **ORTHOTOPIC ARTIFICIAL BLADDER ENDOPROSTHESIS**

[54] **ENDOPROTHESE DE VESSIE ARTIFICIELLE ORTHOTOPIQUE**

[72] SAMBUSSETI, ANTONIO, IT

[72] CANCARINI, GIANNI, IT

[72] CHOUX, CHRISTIAN, FR

[71] SAMBUSSETI, ANTONIO, IT

[85] 2016-09-13

[86] 2015-04-08 (PCT/IB2015/052535)

[87] (WO2015/159185)

[30] IT (MI2014A000694) 2014-04-14

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[21] **2,942,635**  
[13] A1

[51] **Int.Cl. C07H 15/04 (2006.01) A23L 29/00 (2016.01) A23L 3/3562 (2006.01) A61K 31/7028 (2006.01) A61K 47/26 (2006.01) C07K 1/00 (2006.01) C12N 1/04 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **HEXOSE DERIVATIVES, PREPARATION AND USES THEREOF**

[54] **DERIVES D'HEXOSE, LEUR PREPARATION ET UTILISATIONS**

[72] DAVID MAYCOCK, CHRISTOPHER, PT

[72] MENDES BORDALO VENTURA CENTENO LIMA, MARIA RITA, PT

[72] CORREIA LOURENCO, EVA, PT

[72] DIAS DOS SANTOS, MARIA HELENA, PT

[72] DA CUNHA MIGUEL, ANA SOFIA, PT

[71] FACULDADE DE CIENCIAS DA UNIVERSIDADE DE LISBOA, PT

[71] INSTITUTO DE TECNOLOGIA QUIMICA E BIOLOGICA ANTONIO XAVIER, PT

[85] 2016-09-13

[86] 2015-03-13 (PCT/PT2015/050001)

[87] (WO2015/137838)

[30] US (61/953,392) 2014-03-14

[21] **2,942,642**  
[13] A1

[51] **Int.Cl. A23J 3/10 (2006.01) A23L 33/17 (2016.01) A23C 9/13 (2006.01) A23C 19/08 (2006.01) A23C 19/093 (2006.01) A23G 1/44 (2006.01) A23G 9/38 (2006.01) A23J 3/08 (2006.01) A23J 3/14 (2006.01)**

[25] FR

[54] **ASSEMBLY OF AT LEAST ONE PLANT PROTEIN AND AT LEAST ONE MILK PROTEIN, PRODUCTION THEREOF AND USES OF SAME**

[54] **ASSEMBLAGE D'AU MOINS UNE PROTEINE VEGETALE ET D'AU MOINS UNE PROTEINE LAITIERE, SA PREPARATION ET SES UTILISATIONS**

[72] NONO, MERVEILLE, FR

[72] MORETTI, EMMANUELLE, FR

[72] SNAPPE, JEAN-JACQUES, FR

[72] COLIN, ISABELLE, FR

[71] ROQUETTE FRERES, FR

[71] INGREDIA, FR

[85] 2016-09-13

[86] 2015-03-26 (PCT/FR2015/050780)

[87] (WO2015/145082)

[30] FR (14 52608) 2014-03-26

[21] **2,942,646**  
[13] A1

[51] **Int.Cl. A61K 31/19 (2006.01)**

[25] EN

[54] **LIQUIDS AND FOODSTUFFS CONTAINING BETA-HYDROXY-BETA-METHYLBUTYRATE (HMB) IN FREE ACID FORM**

[54] **LIQUIDES ET PRODUITS ALIMENTAIRES CONTENANT DU BETA-HYDROXY-BETA-METHYLBUTYRATE (HMB) SOUS FORME D'ACIDE LIBRE**

[72] BAIER, SHAWN, US

[72] RATHMACHER, JOHN, US

[72] SEDA, JOCELYN, US

[71] METABOLIC TECHNOLOGIES, INC., US

[85] 2016-09-13

[86] 2014-03-14 (PCT/US2014/027596)

[87] (WO2015/137965)

[21] **2,942,663**  
[13] A1

[51] **Int.Cl. C10G 1/04 (2006.01) E21B 43/22 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **METHOD TO EXTRACT BITUMEN FROM OIL SANDS**

[54] **PROCEDE POUR EXTRAIRE DU BITUME A PARTIR DE SABLES BITUMINEUX**

[72] AKIYA, NAOKO, US

[72] DAUGS, EDWARD D., US

[72] DONATE, FELIPE A., US

[72] SINGH, HARPREET, US

[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2016-09-13

[86] 2015-03-20 (PCT/US2015/021693)

[87] (WO2015/148296)

[30] US (61/971,165) 2014-03-27

[21] **2,942,678**  
[13] A1

[51] **Int.Cl. C09J 5/08 (2006.01) C09J 7/02 (2006.01) C09J 9/00 (2006.01) C09J 11/08 (2006.01) C09J 201/00 (2006.01) F16F 7/12 (2006.01)**

[25] EN

[54] **SHOCK ABSORBING EXPANDED ADHESIVE AND ARTICLES THEREFROM**

[54] **ADHESIF EXPANSE AMORTISSANT LES CHOCS ET ARTICLE FABRIQUE A PARTIR DE CELUI-CI**

[72] BOGNER, JOSH M., US

[72] MILLIMAN, HENRY W., US

[71] AVERY DENNISON CORPORATION, US

[85] 2016-09-13

[86] 2015-03-13 (PCT/US2015/020424)

[87] (WO2015/138881)

[30] US (61/952,209) 2014-03-13

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[21] **2,942,682**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/01 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DETECTING A PRESENCE OF CANCER**  
[54] **AAPPAREIL ET METHODE DE DETECTION D'UN CANCER**  
[72] ANGOTT, PAUL, US  
[72] VEMPATY, PAVAN, US  
[72] HENKE, STEVEN, US  
[72] MUDUNURI, AJAY, US  
[71] FIRST SENSE MEDICAL, LLC, US  
[85] 2016-09-13  
[86] 2015-03-13 (PCT/US2015/020442)  
[87] (WO2015/138893)  
[30] US (61/952,332) 2014-03-13  
[30] US (14/657,383) 2015-03-13  
[30] US (14/657,357) 2015-03-13

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[21] **2,942,699**  
[13] A1

[51] **Int.Cl. B32B 27/32 (2006.01) B32B 38/06 (2006.01) B65D 65/40 (2006.01) B32B 7/06 (2006.01)**  
[25] EN  
[54] **MULTI-LAYER POLYMERIC FILM WITH RELEASE EFFECT**  
[54] **PELLICULE POLYMERIE MULTICOUCHE A EFFET DE LIBERATION**  
[72] SEBALD, INGRID, DE  
[72] SCHMIDT, WERNER, DE  
[72] GRIMM, FELIX, DE  
[71] INFIANA GERMANY GMBH & CO. KG, DE  
[85] 2016-09-14  
[86] 2015-03-19 (PCT/EP2015/000611)  
[87] (WO2015/139844)  
[30] DE (10 2014 004 042.9) 2014-03-21  
[30] DE (10 2014 010 691.8) 2014-03-21

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[21] **2,942,710**  
[13] A1

[51] **Int.Cl. F28B 1/06 (2006.01) F25J 1/00 (2006.01) F28D 1/02 (2006.01) F28D 1/04 (2006.01)**  
[25] EN  
[54] **WEATHER-VANING AIR-COOLED HEAT EXCHANGERS**  
[54] **ECHANGEURS DE CHALEUR REFROIDIS A L'AIR A GIROUETTE**  
[72] CHRISTENSEN, TOR, NO  
[72] ECKBO, PAL LEO, US  
[71] GLOBAL LNG SERVICES LTD., BM  
[71] CHRISTENSEN, TOR, NO  
[71] ECKBO, PAL LEO, US  
[85] 2016-09-14  
[86] 2015-03-12 (PCT/EP2015/055188)  
[87] (WO2015/140044)  
[30] NO (20140339) 2014-03-17

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[21] **2,942,690**  
[13] A1

[51] **Int.Cl. A61K 31/225 (2006.01) A61K 39/05 (2006.01) A61K 39/08 (2006.01) A61K 39/09 (2006.01) A61K 39/385 (2006.01) A61P 25/28 (2006.01) A61P 31/00 (2006.01) A61P 37/04 (2006.01)**  
[25] EN  
[54] **DIMETHYL FUMARATE AND VACCINATION REGIMENS**  
[54] **FUMARATE DE DIMETHYLE ET REGIMES DE VACCINATION**  
[72] VIGLIETTA, VISSIA, US  
[71] BIOGEN MA INC., US  
[85] 2016-09-13  
[86] 2015-03-13 (PCT/US2015/020470)  
[87] (WO2015/138917)  
[30] US (61/953,259) 2014-03-14

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[21] **2,942,702**  
[13] A1

[51] **Int.Cl. C08J 7/14 (2006.01) C07C 51/367 (2006.01) C07C 59/52 (2006.01) B32B 27/42 (2006.01)**  
[25] EN  
[54] **METHODS OF USING A PHENOLIC FATTY ACID COMPOUND ON A SYNTHETIC FABRIC MATERIAL**  
[54] **PROCEDES D'UTILISATION D'UN COMPOSE D'ACIDE GRAS PHENOLIQUE SUR UN MATERIAU TEXTILE SYNTHETIQUE**  
[72] BANACH, TIMOTHY EDWARD, US  
[72] ROBIDEAU, GARY, US  
[72] HOWARD, L. SCOTT, US  
[72] BARBIERO, GENNARO, US  
[71] SI GROUP, INC., US  
[85] 2016-09-13  
[86] 2015-03-13 (PCT/US2015/020530)  
[87] (WO2015/138955)  
[30] US (61/953,462) 2014-03-14

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[21] **2,942,712**  
[13] A1

[51] **Int.Cl. B65G 11/16 (2006.01) E21F 13/08 (2006.01)**  
[25] EN  
[54] **CHUTE OR IMPACT WALL FOR USE IN OPENCAST MINING, COMPRISING A HEATING DEVICE**  
[54] **GOULOTTE OU PAROI DEFLECTRICE EQUIPEE D'UN DEFPOSITIF CHAUFFANT POUR L'EXTRACTION A CIEL OUVERT**  
[72] NOWAK, STEFFEN, DE  
[72] STENZEL, THOMAS, DE  
[71] TAKRAF GMBH, DE  
[85] 2016-09-14  
[86] 2015-03-06 (PCT/EP2015/054729)  
[87] (WO2015/135849)  
[30] DE (10 2014 204 773.0) 2014-03-14

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[21] **2,942,715**  
[13] A1

[51] **Int.Cl. F03D 80/40 (2016.01) F03D 1/06 (2006.01)**  
[25] EN  
[54] **WIND-TURBINE ROTOR BLADE AND HEATING UNIT FOR A WIND-TURBINE ROTOR BLADE**  
[54] **PALE DE ROTOR D'EOLIENNE ET UNITE DE CHAUFFAGE D'UNE PALE DE ROTOR D'EOLIENNE**  
[72] STOLTENJOHANNES, JURGEN, DE  
[71] WOBLEN PROPERTIES GMBH, DE  
[85] 2016-09-14  
[86] 2015-03-12 (PCT/EP2015/055232)  
[87] (WO2015/140053)  
[30] DE (102014204857.5) 2014-03-17

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[21] **2,942,722**  
[13] A1

[51] **Int.Cl. C10M 143/08 (2006.01) C10M 143/02 (2006.01)**  
[25] EN  
[54] **VISCOSITY MODIFIER FOR LUBRICATING OILS, ADDITIVE COMPOSITION FOR LUBRICATING OILS, AND LUBRICATING OIL COMPOSITION**  
[54] **MODIFICATEUR DE VISCOSITE POUR HUILES LUBRIFIANTES, COMPOSITION D'ADDITIF POUR HUILES LUBRIFIANTES ET COMPOSITION D'HUILE LUBRIFIANTE**  
[72] YAMAMOTO, ATSUSHI, JP  
[72] SUZUKI, TERUFUMI, JP  
[72] IDE, KENTA, JP  
[72] HUANG, CHOR, US  
[71] MITSUI CHEMICALS, INC., JP  
[71] THE LUBRIZOL CORPORATION, US  
[85] 2016-09-13  
[86] 2015-03-27 (PCT/US2015/022926)  
[87] (WO2015/148889)  
[30] US (61/971,980) 2014-03-28

[21] **2,942,725**  
[13] A1

[51] **Int.Cl. B01D 39/20 (2006.01)**  
[25] EN  
[54] **HEAVY METAL RECYCLING PROCESS AND MATERIAL USEFULL IN SUCH PROCESS**  
[54] **PROCEDE DE RECYCLAGE DE METAUX LOURDS ET MATERIAU UTILE DANS CE PROCEDE**  
[72] BOLISSETY, SREENATH, CH  
[72] MEZZENGA, RAFFAELE, CH  
[71] ETH ZURICH, CH  
[85] 2016-09-14  
[86] 2015-03-13 (PCT/EP2015/055323)  
[87] (WO2015/140074)  
[30] EP (14000983.8) 2014-03-17  
[30] EP (14168815.0) 2014-05-19

[21] **2,942,728**  
[13] A1

[51] **Int.Cl. B61H 7/08 (2006.01) F16D 63/00 (2006.01) F16D 65/02 (2006.01)**  
[25] EN  
[54] **HOUSING DEVICE FOR A MAGNET BODY FOR AN ELECTROMAGNETIC OR PERMANENTLY MAGNETIC RAIL BRAKE FOR A RAIL VEHICLE AND ELECTROMAGNETIC OR PERMANENTLY MAGNETIC RAIL BRAKE FOR A RAIL VEHICLE**  
[54] **DISPOSITIF BOITIER POUR UN CORPS MAGNETIQUE DESTINE A UN FREIN SUR RAIL ELECTROMAGNETIQUE OU A AIMANT PERMANENT POUR UN VEHICULE SUR RAILS**  
[72] WIDLINSKI, MARCIN, AT  
[72] RATHAMMER, RICHARD, AT  
[72] JOERGL, VOLKER, AT  
[71] KNORR-BREMSE GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, AT  
[85] 2016-09-14  
[86] 2015-03-16 (PCT/EP2015/055406)  
[87] (WO2015/140095)  
[30] DE (102014103627.1) 2014-03-17

[21] **2,942,731**  
[13] A1

[51] **Int.Cl. C07K 9/00 (2006.01) A01N 1/02 (2006.01) A61K 8/60 (2006.01) A61K 8/64 (2006.01) A61Q 17/00 (2006.01) A61Q 19/08 (2006.01) C07H 7/02 (2006.01)**  
[25] EN  
[54] **GLYCOPEPTIDE DERIVATIVES FOR THE PRESERVATION AND PROTECTION OF BIOLOGICAL MATERIALS AND MICROORGANISMS**  
[54] **DERIVES DE GLYCOPEPTIDES UTILISES EN VUE DE LA CONSERVATION ET DE LA PROTECTION DE MATIERES BIOLOGIQUES ET DE MICROORGANISMES**  
[72] DELIENCOURT-GODEFROY, GERALDINE, FR  
[72] MARTIN, THIBAUT, FR  
[71] TFCHEM, FR  
[85] 2016-09-14  
[86] 2015-03-17 (PCT/EP2015/055577)  
[87] (WO2015/140178)  
[30] EP (14305374.2) 2014-03-17

[21] **2,942,732**  
[13] A1

[51] **Int.Cl. A61K 31/702 (2006.01) A61P 37/02 (2006.01)**  
[25] EN  
[54] **METHODS FOR ENHANCING MUCOSAL INNATE IMMUNE RESPONSES TO AND/OR DETECTION OF PATHOGENS USING HUMAN MILK OLIGOSACCHARIDES**  
[54] **PROCEDES POUR AMELIORER LES REPONSES IMMUNITAIRES INNEE DES MUQUEUSES A ET/OU LA DETECTION D'AGENTS PATHOGENES A L'AIDE D'OLIGOSACCHARIDES DE LAIT HUMAIN**  
[72] BUCK, RACHAEL, US  
[72] DUSKA-MCEWEN, GERALYN, US  
[72] DAVIS, STEVEN, US  
[71] ABBOTT LABORATORIES, US  
[85] 2016-09-13  
[86] 2015-04-03 (PCT/US2015/024205)  
[87] (WO2015/157098)  
[30] US (61/976,791) 2014-04-08

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[21] **2,942,733**  
[13] A1

[51] **Int.Cl. C03B 1/02 (2006.01) C03C 13/06 (2006.01) C03C 25/10 (2006.01) C03B 37/01 (2006.01)**

[25] FR

[54] **COMPOSITE COMPRISING A MINERAL WOOL COMPRISING A SUGAR**

[54] **COMPOSITE COMPRENANT UNE LAINE MINERALE COMPRENANT UN SUCRE**

[72] YAMMINE, JOUMANA, FR

[72] BOUNY, ELODIE, FR

[72] OBERT, EDOUARD, FR

[71] SAINT-GOBAIN ISOVER, FR

[85] 2016-09-14

[86] 2015-04-09 (PCT/FR2015/050957)

[87] (WO2015/155486)

[30] FR (1453215) 2014-04-10

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[21] **2,942,735**  
[13] A1

[51] **Int.Cl. C03C 27/10 (2006.01) E04B 1/74 (2006.01)**

[25] FR

[54] **GLUING COMPOSITION BASED ON NON-REDUCING SACCHARIDE AND HYDROGENATED SACCHARIDE, AND INSULATING PRODUCTS OBTAINED**

[54] **COMPOSITION D'ENCOLLAGE A BASE DE SACCHARIDE NON REDUCTEUR ET DE SACCHARIDE HYDROGENE, ET PRODUITS ISOLANTS OBTENUS**

[72] OBERT, EDOUARD, FR

[72] KIEFER, LIONEL, FR

[72] KAPLAN, BENJAMIN, DE

[71] SAINT-GOBAIN ISOVER, FR

[85] 2016-09-14

[86] 2015-04-14 (PCT/FR2015/050994)

[87] (WO2015/159012)

[30] FR (1453350) 2014-04-15

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[21] **2,942,736**  
[13] A1

[51] **Int.Cl. C10G 69/02 (2006.01) C10G 65/12 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM OF UPGRADING HEAVY OILS IN THE PRESENCE OF HYDROGEN AND A DISPERSED CATALYST**

[54] **PROCEDE ET SYSTEME DE VALORISATION D'HUILES LOURDES EN PRESENCE D'HYDROGENE ET D'UN CATALYSEUR DISPERSE**

[72] HANKS, PATRICK L., US

[72] DAAGE, MICHEL, US

[72] DEGNAN, THOMAS F., JR., US

[72] SMILEY, RANDOLPH J., US

[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2016-09-13

[86] 2015-04-21 (PCT/US2015/026867)

[87] (WO2015/167864)

[30] US (61/986,921) 2014-05-01

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[21] **2,942,738**  
[13] A1

[51] **Int.Cl. C22C 38/38 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/18 (2006.01) C23C 2/40 (2006.01)**

[25] EN

[54] **COLD-ROLLED FLAT STEEL PRODUCT AND METHOD FOR THE PRODUCTION THEREOF**

[54] **PRODUIT PLAT EN ACIER LAMINE A FROID ET SON PROCEDE DE FABRICATION**

[72] BONGARDS, ANDREAS, DE

[72] VOSS, SIGRUN, DE

[72] SEBALD, ROLAND, DE

[71] THYSSENKRUPP STEEL EUROPE AG, DE

[71] THYSSENKRUPP AG, DE

[85] 2016-09-14

[86] 2015-03-18 (PCT/EP2015/055686)

[87] (WO2015/144530)

[30] EP (14161607.8) 2014-03-25

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[21] **2,942,740**  
[13] A1

[51] **Int.Cl. C10G 69/02 (2006.01) B01J 19/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF INTEGRATED SEPARATION AND CONVERSION OF HYDROTREATED HEAVY OIL**

[54] **SYSTEMES ET PROCEDES DE SEPARATION ET DE CONVERSION INTEGREES D'HUILE LOURDE HYDROTRAITEE**

[72] HANKS, PATRICK L., US

[72] LEWIS, WILLIAM ERNEST, US

[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2016-09-13

[86] 2015-04-21 (PCT/US2015/026879)

[87] (WO2015/167866)

[30] US (61/986,925) 2014-05-01

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[21] **2,942,741**  
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01) F03D 13/10 (2016.01)**

[25] EN

[54] **WIND TURBINE ROTOR BLADE WITH A ROTOR BLADE CONNECTION AND METHOD FOR PRODUCING SAME**

[54] **PALE DE ROTOR D'EOLIENNE EQUIPEE D'UN RACCORD DE PALE DE ROTOR ET PROCEDE DE FABRICATION**

[72] HOFFMANN, ALEXANDER, DE

[71] WOBLEN PROPERTIES GMBH, DE

[85] 2016-09-14

[86] 2015-03-20 (PCT/EP2015/055925)

[87] (WO2015/140295)

[30] DE (102014205195.9) 2014-03-20

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[21] **2,942,743**  
[13] A1

[51] **Int.Cl. G10L 19/16 (2013.01)**  
[25] EN  
[54] **AUDIO ENCODER DEVICE AND AN AUDIO DECODER DEVICE HAVING EFFICIENT GAIN CODING IN DYNAMIC RANGE CONTROL**

[54] **DISPOSITIF DE CODEUR AUDIO ET DISPOSITIF DE DECODEUR AUDIO AYANT UN CODAGE DE GAIN EFFICACE DANS UNE COMMANDE DE PLAGE DYNAMIQUE**

[72] KUCH, FABIAN, DE  
[72] UHLE, CHRISTIAN, DE  
[72] KRATSCHMER, MICHAEL, DE  
[72] NEUGEBAUER, BERNHARD, DE  
[72] MEIER, MICHAEL, DE  
[72] SCHREINER, STEPHAN, DE  
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2016-09-14  
[86] 2015-03-20 (PCT/EP2015/055945)  
[87] (WO2015/144587)  
[30] EP (14161605.2) 2014-03-25

[21] **2,942,744**  
[13] A1

[51] **Int.Cl. C10G 73/02 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHODS OF TRIM DEWAXING DISTILLATE FUELS**

[54] **SYSTEME ET PROCEDES DE DEPARAFFINAGE DE COMBUSTIBLES DE DISTILLAT**

[72] HANKS, PATRICK L., US  
[72] LEWIS, WILLIAM ERNEST, US  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2016-09-13  
[86] 2015-04-21 (PCT/US2015/026884)  
[87] (WO2015/167867)  
[30] US (61/986,929) 2014-05-01

[21] **2,942,746**  
[13] A1

[51] **Int.Cl. C23C 8/60 (2006.01) B24C 1/00 (2006.01) B24C 3/02 (2006.01) B24C 11/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING A CORROSION-INHIBITING OR ADHESION-PROMOTING COATING**

[54] **PROCEDE DE PRODUCTION D'UN REVETEMENT INHIBITEUR DE CORROSION OU PROMOTEUR D'ADHERENCE**

[72] TWOMEY, BARRY, IE  
[72] STANTON, KENNETH, IE  
[72] O'DONOGHUE, JOHN, IE  
[72] ROCHE, KEVIN, IE  
[72] MOHAN, JOSEPH, IE  
[71] ENBIO LIMITED, IE  
[85] 2016-09-14  
[86] 2015-03-20 (PCT/EP2015/055999)  
[87] (WO2015/140327)  
[30] GB (1405032.2) 2014-03-20

[21] **2,942,748**  
[13] A1

[51] **Int.Cl. B66B 9/00 (2006.01)**  
[25] EN  
[54] **ELEVATOR SYSTEM**

[54] **SYSTEME D'ASCENSEUR**

[72] STEINHAEUER, EDUARD, DE  
[71] THYSSENKRUPP ELEVATOR AG, DE  
[85] 2016-09-14  
[86] 2015-03-25 (PCT/EP2015/056451)  
[87] (WO2015/144781)  
[30] DE (10 2014 104 458.4) 2014-03-28

[21] **2,942,753**  
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61P 3/00 (2006.01) C07D 401/14 (2006.01)**  
[25] EN  
[54] **SUBSTITUTED FUSED HETEROCYCLES AS GPR119 MODULATORS FOR THE TREATMENT OF DIABETES, OBESITY, DYSLIPIDEMIA AND RELATED DISORDERS**

[54] **HETEROCYCLES SUBSTITUES LIES PAR FUSION EN TANT QUE MODULATEURS GPR119 POUR LE TRAITEMENT DU DIABETE, DE L'OBESITE, DE LA DYSLIPIDEMIE ET DE TROUBLES ASSOCIES**

[72] SCHWINK, LOTHAR, DE  
[72] BUNING, CHRISTIAN, DE  
[72] GLOMBIK, HEINER, DE  
[72] GOSSEL, MATTHIAS, DE  
[72] KADEREIT, DIETER, DE  
[72] HALLAND, NIS, DE  
[72] LOHMANN, MATTHIAS, DE  
[72] POVERLEIN, CHRISTOPH, DE  
[72] RITTER, KURT, DE  
[71] SANOFI, FR  
[85] 2016-09-14  
[86] 2015-04-02 (PCT/EP2015/057414)  
[87] (WO2015/150564)  
[30] EP (14305494.8) 2014-04-04

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[21] **2,942,755**  
[13] A1

[51] **Int.Cl. B23K 9/09 (2006.01) B23K 9/173 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD OF WELDING WITH USE OF AC WELDING WAVEFORM AND ENHANCED CONSUMABLE TO IMPROVE WELDING OF GALVANIZED WORKPIECE**

[54] **PROCEDE ET SYSTEME DE SOUDAGE PERMETTANT D'UTILISER UNE FORME D'ONDE DE SOUDAGE CA ET UN CONSOMMABLE AMELIORE POUR AMELIORER LE SOUDAGE D'UNE PIECE A TRAVAILLER GALVANISEE**

[72] HENRY, JUDAH BENJAMIN, US  
[72] PETERS, STEVEN R., US  
[72] NARAYANAN, BADRI K, US  
[72] LIAO, YEN-CHIH, US  
[71] LINCOLN GLOBAL, INC., US  
[85] 2016-09-14  
[86] 2015-04-02 (PCT/IB2015/000436)  
[87] (WO2015/150906)  
[30] US (61/975,227) 2014-04-04  
[30] US (14/621,559) 2015-02-13

[21] **2,942,763**  
[13] A1

[51] **Int.Cl. B23K 9/09 (2006.01) B23K 35/30 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM TO USE AC WELDING WAVEFORM AND ENHANCED CONSUMABLE TO IMPROVE WELDING OF GALVANIZED WORKPIECE**

[54] **PROCEDE ET SYSTEME PERMETTANT D'UTILISER UNE FORME D'ONDE DE SOUDAGE CA ET CONSOMMABLE AMELIORE PERMETTANT D'AMELIORER LE SOUDAGE D'UNE PIECE A TRAVAILLER GALVANISEE**

[72] HENRY, JUDAH BENJAMIN, US  
[72] NARAYANAN, BADRI K., US  
[72] PETERS, STEVEN R., US  
[72] LIAO, YEN-CHIH, US  
[71] LINCOLN GLOBAL, INC., US  
[85] 2016-09-14  
[86] 2015-04-01 (PCT/IB2015/000428)  
[87] (WO2015/150899)  
[30] US (61/975,227) 2014-04-04  
[30] US (14/621,515) 2015-02-13

[21] **2,942,769**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 47/48 (2006.01) C07K 1/107 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/40 (2006.01) C07K 17/08 (2006.01) C12N 9/96 (2006.01) C07K 9/00 (2006.01)**

[25] EN

[54] **SITE-SPECIFIC GLYCOENGINEERING OF TARGETING MOIETIES**

[54] **MODIFICATION DE LA GLYCO-INGENIERIE DE FRACTIONS DE CIBLAGE SPECIFIQUE A UN SITE**

[72] AVILA, LUIS, US  
[72] PAN, CLARK, US  
[72] QIU, HUAWEI, US  
[72] ZHOU, QUN, US  
[71] GENZYME CORPORATION, US  
[85] 2016-09-13  
[86] 2015-03-18 (PCT/US2015/021342)  
[87] (WO2015/143091)  
[30] US (61/955,682) 2014-03-19  
[30] US (62/061,556) 2014-10-08

[21] **2,942,779**  
[13] A1

[51] **Int.Cl. F21L 4/04 (2006.01) F21V 21/08 (2006.01) F21V 21/32 (2006.01) F21K 9/00 (2016.01) F21V 5/04 (2006.01)**

[25] EN

[54] **WORKING LAMP**

[54] **LAMPE DE TRAVAIL**

[72] YU, WENTIAN, CN  
[71] HANGZHOU GREAT STAR TOOLS CO., LTD., CN  
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN  
[85] 2016-09-14  
[86] 2014-03-14 (PCT/CN2014/073443)  
[87] (WO2015/135200)

[21] **2,942,781**  
[13] A1

[51] **Int.Cl. A47G 25/90 (2006.01)**

[25] EN

[54] **AN AID FOR DONNING A SOCK**

[54] **ENFILE-CHAUSSETTE**

[72] MILLIGAN, MICHAEL JOHN, NZ  
[71] MILLIGAN, MICHAEL JOHN, NZ  
[85] 2016-09-14  
[86] 2015-03-18 (PCT/NZ2015/000016)  
[87] (WO2015/142188)  
[30] NZ (622677) 2014-03-19

[21] **2,942,794**  
[13] A1

[51] **Int.Cl. F24D 19/02 (2006.01) F21V 33/00 (2006.01) F28D 1/053 (2006.01) F28F 21/00 (2006.01) F21K 9/00 (2016.01)**

[25] EN

[54] **RADIATOR FOR HOT-WATER HEATING, IN PARTICULAR FOR HEATING SYSTEMS FOR CIVIL USE**

[54] **RADIATEUR POUR UN CHAUFFAGE A L'EAU CHAUDE, EN PARTICULIER POUR DES SYSTEMES DE CHAUFFAGE DESTINES A UN USAGE CIVIL**

[72] PETRACCA, ANTONIO, IT  
[71] PETRACCA, ANTONIO, IT  
[85] 2016-06-15  
[86] 2014-12-15 (PCT/IB2014/002776)  
[87] (WO2015/092517)  
[30] IT (AR2013U000010) 2013-12-18

[21] **2,943,017**  
[13] A1

[51] **Int.Cl. B63H 9/02 (2006.01) G01M 1/30 (2006.01)**

[25] EN

[54] **METHOD OF MANUFACTURING A ROTOR BODY OF A MAGNUS-TYPE ROTOR**

[54] **PROCEDE DE FABRICATION D'UN CORPS DE ROTOR D'UN ROTOR DE TYPE MAGNUS**

[72] VAINAMO, JARKKO, FI  
[72] HILDEBRAND, MARTIN, FI  
[72] STANLEY, CHRISTOPHER, FI  
[71] NORSEPOWER OY LTD, FI  
[85] 2016-09-16  
[86] 2015-03-24 (PCT/FI2015/050198)  
[87] (WO2015/150624)  
[30] GB (1405794.7) 2014-03-31

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[21] **2,943,272**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06F 3/0481 (2013.01)**  
[25] EN  
[54] **DEVICES, SYSTEMS AND METHODS FOR SUPPORTING A VETERINARY PRACTICE**  
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE SOUTIEN A UN CABINET VETERINAIRE**  
[72] SMITH, DANIEL CHARLES, US  
[72] LYLE, SCOTT DEVON, US  
[71] ZOETIS SERVICES LLC, US  
[85] 2016-09-19  
[86] 2015-04-08 (PCT/US2015/024922)  
[87] (WO2015/157417)  
[30] US (61/977,963) 2014-04-10

[21] **2,943,325**  
[13] A1

[51] **Int.Cl. G02C 3/00 (2006.01) A45C 11/04 (2006.01) G02C 5/12 (2006.01) G02C 5/00 (2006.01)**  
[25] FR  
[54] **PINCE-NEZ**  
[54] **BINOCLE**  
[72] RADO, M. EMMANUEL, FR  
[72] ALEX, M. PIERRE, FR  
[71] BINOPTICS, BE  
[85] 2016-09-20  
[86] 2015-03-20 (PCT/EP2015/055995)  
[87] (WO2015/140324)  
[30] EP (14161199.6) 2014-03-21

[21] **2,943,344**  
[13] A1

[51] **Int.Cl. F17C 1/02 (2006.01) E04H 7/02 (2006.01) F17C 1/12 (2006.01)**  
[25] EN  
[54] **GROUND LIQUEFIED NATURAL GAS STORAGE TANK AND METHOD FOR MANUFACTURING THE SAME**  
[54] **RESERVOIR DE STOCKAGE DE GAZ NATUREL LIQUEFIE SUR SOL ET SON PROCEDE DE FABRICATION**  
[72] SHIN, SANG BEOM, KR  
[72] KIM, DAE SOON, KR  
[72] CHUN, IN SOO, KR  
[72] LEE, DONG JU, KR  
[72] JEONG, SE HWAN, KR  
[72] SHIN, DONG KYU, KR  
[71] HYUNDAI HEAVY INDUSTRIES CO., LTD, KR  
[85] 2016-09-20  
[86] 2015-03-20 (PCT/KR2015/002775)  
[87] (WO2015/142126)  
[30] KR (10-2014-0033606) 2014-03-21

[21] **2,943,361**  
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01)**  
[25] EN  
[54] **FGF23 FUSION PROTEINS**  
[54] **PROTEINES DE FUSION FGF23**  
[72] MOHAMMADI, MOOSA, US  
[72] GOETZ, REGINA, US  
[72] MAGRAM, JEANNE SUE, US  
[72] JOHNSON, KRISTEN LEIGH, US  
[71] NEW YORK UNIVERSITY, US  
[71] PFIZER INC., US  
[85] 2016-09-20  
[86] 2015-03-30 (PCT/US2015/023349)  
[87] (WO2015/149069)  
[30] US (61/972,081) 2014-03-28

[21] **2,943,364**  
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01)**  
[25] EN  
[54] **GEL COMPRISING A PHASE-CHANGE MATERIAL, METHOD OF PREPARING THE GEL, THERMAL EXCHANGE IMPLEMENT COMPRISING THE GEL**  
[54] **GEL COMPRENANT UN MATERIAU A CHANGEMENT DE PHASE, PROCEDE DE PREPARATION DUDIT GEL, ET USTENSILE D'ECHANGE THERMIQUE COMPRENANT LE GEL**  
[72] FORMATO, RICHARD M., US  
[72] BAKLLAS, DIMITRIOS P., US  
[72] BISWAL, AMRUT N., US  
[71] COLD CHAIN TECHNOLOGIES, INC., US  
[85] 2016-09-20  
[86] 2015-03-26 (PCT/US2015/022626)  
[87] (WO2015/148748)  
[30] US (14/225,589) 2014-03-26

[21] **2,943,365**  
[13] A1

[51] **Int.Cl. A61K 9/127 (2006.01) A61K 47/48 (2006.01)**  
[25] EN  
[54] **TARGETED POLYMERIZED NANOPARTICLES FOR CANCER TREATMENT**  
[54] **NANOPARTICULES POLYMERISEES CIBLEES UTILISEES POUR UN TRAITEMENT CONTRE LE CANCER**  
[72] NAGY, JON O., US  
[72] TRICHE, TIM, US  
[72] KANG, HYUNGGYOO, US  
[71] CHILDRENS HOSPITAL LOS ANGELES, US  
[71] NANOVALENT PHARMACEUTICALS, INC., US  
[85] 2016-09-20  
[86] 2015-04-01 (PCT/US2015/023943)  
[87] (WO2015/153805)  
[30] US (61/973,760) 2014-04-01

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[21] **2,943,367**  
[13] A1

[51] **Int.Cl. A61K 41/00 (2006.01) C12N 5/071 (2010.01) A61K 38/17 (2006.01) C07K 14/00 (2006.01) C07K 17/00 (2006.01) C12N 15/00 (2006.01)**

[25] EN

[54] **ENGINEERED LIGHT-ACTIVATED ANION CHANNEL PROTEINS AND METHODS OF USE THEREOF**

[54] **PROTEINES DE CANAL ANIONIQUE MANIPULEES ACTIVEES PAR LA LUMIERE ET PROCEDES D'UTILISATION DE CELLES-CI**

[72] DEISSEROTH, KARL A., US  
[72] LEE, SOO YEUN, US  
[72] RAMAKRISHNAN, CHARU, US  
[72] BERNDT, ANDRE, US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

[85] 2016-09-20  
[86] 2015-03-27 (PCT/US2015/023087)  
[87] (WO2015/148974)  
[30] US (61/972,182) 2014-03-28

[21] **2,943,385**  
[13] A1

[51] **Int.Cl. A61K 31/4535 (2006.01) A61K 31/135 (2006.01) A61K 31/52 (2006.01)**

[25] EN

[54] **METHOD FOR IMPROVING FEED EFFICIENCY IN RUMINANTS**

[54] **METHODE DESTINEE A AMELIORER L'EFFICIENCE ALIMENTAIRE CHEZ DES RUMINANTS**

[72] COLLINS, CHERIE LOUISE, AU  
[72] LUXFORD, BRIAN GERARD, AU  
[71] RIVALEA (AUSTRALIA) PTY LTD, AU

[85] 2016-09-21  
[86] 2015-03-25 (PCT/AU2015/000172)  
[87] (WO2015/143483)  
[30] AU (2014901085) 2014-03-26

[21] **2,943,412**  
[13] A1

[51] **Int.Cl. H04W 24/02 (2009.01) H04W 36/00 (2009.01) H04W 76/02 (2009.01)**

[25] EN

[54] **MOBILITY ROBUSTNESS OPTIMIZATION IN A CELLULAR NETWORK**

[54] **OPTIMISATION DE LA ROBUSTESSE DE MOBILITE DANS UN RESEAU CELLULAIRE**

[72] DUDDA, TORSTEN, DE  
[72] CENTONZA, ANGELO, GB  
[72] YAVUZ, EMRE, SE  
[72] FOLKE, MATS, SE  
[72] WAGER, STEFAN, FI  
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2016-09-21  
[86] 2015-01-08 (PCT/EP2015/050271)  
[87] (WO2015/139850)  
[30] US (61/968,570) 2014-03-21

[21] **2,943,414**  
[13] A1

[51] **Int.Cl. B65B 43/10 (2006.01) B65B 43/26 (2006.01)**

[25] EN

[54] **CONTINUOUS MOTION PACKAGING MACHINE WITH ROTATING FLIGHTS**

[54] **MACHINE D'EMBALLAGE A MOUVEMENT CONTINU AVEC PALETTES ROTATIVES**

[72] FORD, COLIN P., US  
[72] IRVINE, ROBERT HAROLD, US  
[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US

[85] 2016-09-21  
[86] 2015-06-26 (PCT/US2015/038033)  
[87] (WO2015/200818)  
[30] US (61/998,453) 2014-06-27

[21] **2,943,416**  
[13] A1

[51] **Int.Cl. A61L 27/44 (2006.01) A61K 9/00 (2006.01) A61K 31/7036 (2006.01) A61K 38/14 (2006.01) A61K 47/30 (2006.01) A61L 27/54 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL ARTICLES PRODUCED BY ADDITIVE MANUFACTURING**

[54] **ARTICLES ANTIMICROBIENS PRODUITS PAR FABRICATION ADDITIVE**

[72] RODGERS, LUKE M.B., US  
[72] PETRAK, MARTIN, CA  
[71] ORTHOPAEDIC INNOVATION CENTRE INC., CA

[85] 2016-09-21  
[86] 2015-03-20 (PCT/CA2015/050211)  
[87] (WO2015/143553)  
[30] US (61/969,945) 2014-03-25

[21] **2,943,419**  
[13] A1

[51] **Int.Cl. H01M 10/44 (2006.01) H01M 4/134 (2010.01) H01M 10/052 (2010.01)**

[25] FR

[54] **METHOD FOR THE ELECTROCHEMICAL CHARGING/DISCHARGING OF A LITHIUM-SULPHUR (LI-S) BATTERY AND DEVICE USING SAID METHOD**

[54] **PROCEDE DE CHARGE / DECHARGE ELECTROCHIMIQUE D'UNE BATTERIE LITHIUM-SOUFRE (LI-S) ET DISPOSITIF DE MISE EN OEUVRE DUDIT PROCEDE**

[72] CHO, MYUNGHUN, CA  
[72] GUERFI, ABDELBAST, CA  
[72] KIM, CHISU, CA  
[72] ZAGHIB, KARIM, CA  
[71] HYDRO-QUEBEC, CA

[85] 2016-09-21  
[86] 2015-04-14 (PCT/CA2015/050306)  
[87] (WO2015/157859)  
[30] US (61/979,823) 2014-04-15

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[21] **2,943,421**  
[13] A1

[51] **Int.Cl. B63B 17/02 (2006.01) B63C 3/06 (2006.01) F15B 15/24 (2006.01)**  
[25] EN  
[54] **WATERCRAFT LIFT AND AUTOMATIC WATERCRAFT COVER**  
[54] **DISPOSITIF DE LEVAGE D'EMBARCATION ET RECOUVREMENT AUTOMATIQUE D'EMBARCATION**  
[72] HEY, KENNETH EDWARDS, US  
[72] STANFORD, DEAN ALLEN, US  
[72] HALVERSON, LOERN, US  
[71] SUNSTREAM CORPORATION, US  
[85] 2016-09-21  
[86] 2015-05-08 (PCT/US2015/030029)  
[87] (WO2015/172110)  
[30] US (61/991,214) 2014-05-09

[21] **2,943,423**  
[13] A1

[51] **Int.Cl. B01F 17/00 (2006.01) A61K 8/06 (2006.01) A61K 8/36 (2006.01) A61K 8/81 (2006.01) A61K 8/86 (2006.01) A61K 9/107 (2006.01) A61K 47/12 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2006.01) B01F 3/08 (2006.01)**  
[25] EN  
[54] **EMULSIFIERS HAVING WATER-IN-OIL-STABILIZING PROPERTIES AND COMPOSITIONS, USES AND METHODS RELATING TO SAME**  
[54] **EMULSIFIANTS DOTES DE PROPRIETES DE STABILISATION D'EAU-DANS-HUILE ET COMPOSITIONS, UTILISATIONS ET PROCEDES ASSOCIES A CEUX-CI**  
[72] THIBODEAU, ALAIN, CA  
[71] INTERACTIVE SRL, IT  
[85] 2016-09-21  
[86] 2015-04-22 (PCT/CA2015/050335)  
[87] (WO2015/161378)  
[30] US (61/982,412) 2014-04-22

[21] **2,943,427**  
[13] A1

[51] **Int.Cl. H04W 16/10 (2009.01)**  
[25] EN  
[54] **SIGNAL RETRANSMISSION APPARATUS AND METHOD AND COMMUNICATION SYSTEM**  
[54] **APPAREIL ET PROCEDE DE RETRANSMISSION DE SIGNAL, ET SYSTEME DE COMMUNICATION**  
[72] XU, YUEQIAO, CN  
[72] LI, HONGCHAO, CN  
[72] ZHOU, HUA, CN  
[71] FUJITSU LIMITED, JP  
[85] 2016-09-21  
[86] 2014-03-31 (PCT/CN2014/074468)  
[87] (WO2015/149252)

[21] **2,943,428**  
[13] A1

[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 30/02 (2012.01)**  
[25] EN  
[54] **REAL TIME INTERACTIVE PREDICTION**  
[54] **PREDICTION INTERACTIVE EN TEMPS REEL**  
[72] NETZ, AMIR, US  
[72] GOLAN, MOSHE, US  
[72] CHEUNG, CHAIRY CHIU YING, US  
[72] BEREZANSKY, YURY, US  
[72] LEVY, ODED BAR, US  
[72] YASSOUR, YOAV, US  
[72] SAGIV, YIFAT, US  
[72] DIDI, RAN, US  
[71] MICROSOFT TECHNOLOGY LICENSING, LLC, US  
[85] 2016-09-21  
[86] 2015-04-22 (PCT/US2015/026970)  
[87] (WO2015/167879)  
[30] US (14/262,923) 2014-04-28

[21] **2,943,430**  
[13] A1

[51] **Int.Cl. A61F 2/14 (2006.01)**  
[25] EN  
[54] **CORNEAL INLAY DELIVERY DEVICES AND METHODS**  
[54] **DISPOSITIFS ET METHODES DE POSE D'IMPLANTS CORNEENS**  
[72] ESGUERRA, NICOLAS, US  
[72] ARIELY, ADAM, US  
[72] LE, ALAN NGOC, US  
[72] KILCOYNE, JOHN, US  
[72] GUELL, JOSE, US  
[72] HOLLIDAY, KEITH, US  
[71] REVISION OPTICS, INC., US  
[85] 2016-09-21  
[86] 2015-04-16 (PCT/US2015/026162)  
[87] (WO2015/161069)  
[30] US (61/980,504) 2014-04-16

[21] **2,943,432**  
[13] A1

[51] **Int.Cl. C12N 9/88 (2006.01) A61K 38/51 (2006.01)**  
[25] EN  
[54] **ENGINEERED TYROSINE AMMONIA LYASE**  
[54] **TYROSINE AMMONIA-LYASE GENETIQUEMENT MODIFIEE**  
[72] HUISMAN, GJALT W., US  
[72] AGARD, NICHOLAS J., US  
[72] ELGART, DAVID, US  
[72] ZHANG, XIYUN, US  
[71] CODEXIS, INC., US  
[85] 2016-09-21  
[86] 2015-04-16 (PCT/US2015/026080)  
[87] (WO2015/161019)  
[30] US (61/980,167) 2014-04-16

[21] **2,943,436**  
[13] A1

[51] **Int.Cl. B01D 29/46 (2006.01)**  
[25] EN  
[54] **SCREW PRESS WITH FILTER PLATES**  
[54] **PRESSE A VIS AVEC PLAQUES DE FILTRE**  
[72] BOIVIN, ALAIN, CA  
[72] BOUCHARD, MARIE-LOUISE, CA  
[72] SIMARD, GUY, CA  
[72] SAVARD, VERONIQUE, CA  
[72] GRAVEL, SIMON, CA  
[71] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA  
[85] 2016-09-21  
[86] 2015-04-09 (PCT/IB2015/000468)  
[87] (WO2015/162472)  
[30] EP (14001431.7) 2014-04-22

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[13] A1

[51] **Int.Cl. B01D 29/46 (2006.01)**  
[25] EN  
[54] **MODULAR SCREW PRESS**  
[54] **PRESSE A VIS MODULAIRE**  
[72] BOIVIN, ALAIN, CA  
[72] LABRUM, DEANE, AU  
[72] SIMARD, GUY, CA  
[72] VANDAL, PASCAL, CA  
[71] RIO TINTO ALCAN  
INTERNATIONAL LIMITED, CA  
[85] 2016-09-21  
[86] 2015-04-09 (PCT/IB2015/000469)  
[87] (WO2015/162473)  
[30] EP (14001432.5) 2014-04-22

[21] **2,943,443**  
[13] A1

[51] **Int.Cl. G01V 7/00 (2006.01) G01V 13/00 (2006.01)**  
[25] EN  
[54] **ABSOLUTE VECTOR GRAVIMETER AND METHODS OF MEASURING AN ABSOLUTE GRAVITY VECTOR**  
[54] **GRAVIMETRE VECTORIEL ABSOLU ET PROCEDES DE MESURE D'UN VECTEUR DE GRAVITE ABSOLU**  
[72] CARROLL, KIERAN A., CA  
[71] GEDEX SYSTEMS INC., CA  
[85] 2016-09-22  
[86] 2015-03-30 (PCT/CA2015/000191)  
[87] (WO2015/143546)  
[30] US (61/971,885) 2014-03-28

[21] **2,943,447**  
[13] A1

[51] **Int.Cl. E01C 13/08 (2006.01) D01F 1/10 (2006.01) D01F 6/46 (2006.01) D01F 6/90 (2006.01) D01F 6/92 (2006.01)**  
[25] EN  
[54] **ARTIFICIAL TURF AND PRODUCTION METHOD**  
[54] **GAZON ARTIFICIEL ET SON PROCEDE DE PRODUCTION**  
[72] SICK, STEPHAN, DE  
[72] SANDER, DIRK, DE  
[72] JANSEN, BERND, DE  
[72] SCHMITZ, DIRK, DE  
[71] POLYTEX SPORTBELAGE  
PRODUKTIONS-GMBH, DE  
[85] 2016-09-21  
[86] 2014-03-27 (PCT/EP2014/056149)  
[87] (WO2015/144223)

[21] **2,943,449**  
[13] A1

[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/16 (2006.01)**  
[25] EN  
[54] **NON-VISUAL FEEDBACK OF VISUAL CHANGE IN A GAZE TRACKING METHOD AND DEVICE**  
[54] **RETROACTION NON VISUELLE D'UN CHANGEMENT VISUEL DANS UN PROCEDE ET UN DISPOSITIF DE SUIVI DU REGARD**  
[72] WILAIRAT, WEERAPAN, US  
[72] EDEN, IBRAHIM, US  
[72] THUKRAL, VAIBHAV, US  
[72] NISTER, DAVID, US  
[72] PRADEEP, VIVEK, US  
[71] MICROSOFT TECHNOLOGY  
LICENSING, LLC, US  
[85] 2016-09-21  
[86] 2015-04-06 (PCT/US2015/024409)  
[87] (WO2015/157133)  
[30] US (14/250,280) 2014-04-10

[21] **2,943,453**  
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01) B07C 5/36 (2006.01) B65G 47/248 (2006.01) G01N 21/84 (2006.01)**  
[25] FR  
[54] **DEVICE FOR UNILATERAL ANALYSIS OF PRODUCTS BY TURNING AND AUTOMATIC SORTING AND CONVEYING DEVICE INCORPORATING SAME**  
[54] **DISPOSITIF D'ANALYSE UNILATERALE DE PRODUITS PAR RETOURNEMENT ET DISPOSITIF DE CONVOYAGE ET DE TRI AUTOMATIQUE L'INCORPORANT**  
[72] BLANC, PHILIPPE, FR  
[71] MAF AGROBOTIC, FR  
[85] 2016-09-21  
[86] 2015-04-28 (PCT/EP2015/059213)  
[87] (WO2015/165905)  
[30] FR (1453965) 2014-04-30

[21] **2,943,454**  
[13] A1

[51] **Int.Cl. B60L 11/18 (2006.01) G06Q 50/30 (2012.01) B60L 3/00 (2006.01) B60L 15/20 (2006.01) B60R 16/02 (2006.01)**  
[25] EN  
[54] **SYSTEMS, METHODS AND DEVICES FOR THE OPERATION OF ELECTRICALLY MOTORIZED VEHICLES**  
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR LE FONCTIONNEMENT DE VEHICULES A MOTEUR ELECTRIQUE**  
[72] BIDERMAN, ASSAF, US  
[72] STEVENS, JON, US  
[72] HEINZMANN, JOHN DAVID, US  
[72] SIMARD, JAMES, US  
[72] CAGNIE, RUBEN, US  
[72] CHAN, TAI, US  
[71] SUPERPEDESTRIAN, INC., US  
[85] 2016-09-21  
[86] 2015-04-03 (PCT/US2015/024369)  
[87] (WO2015/154046)  
[30] US (61/975,658) 2014-04-04  
[30] US (62/083,851) 2014-11-24  
[30] US (62/092,243) 2014-12-15

[21] **2,943,463**  
[13] A1

[51] **Int.Cl. A61M 39/08 (2006.01) A61B 5/06 (2006.01) A61B 5/103 (2006.01) A61B 18/14 (2006.01) A61M 5/00 (2006.01) A61M 29/02 (2006.01)**  
[25] EN  
[54] **MEDICAL APPARATUS FOR FLUID COMMUNICATION**  
[54] **APPAREIL MEDICAL POUR LA COMMUNICATION DE FLUIDE**  
[72] URBANSKI, JOHN PAUL, CA  
[72] SHAH, KRISHAN, CA  
[72] MIRZA, MAHMOOD, CA  
[72] VISRAM, NAHEED, GB  
[72] HARTLEY, AMANDA, CA  
[71] BAYLIS MEDICAL COMPANY INC., CA  
[85] 2016-09-21  
[86] 2015-03-23 (PCT/IB2015/052118)  
[87] (WO2015/145332)  
[30] US (14/222,909) 2014-03-24

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[21] **2,943,475**  
[13] A1

[51] **Int.Cl. G01N 27/90 (2006.01) G01M 17/013 (2006.01)**  
[25] EN  
[54] **EDDY CURRENT ARRAY TECHNOLOGY FOR ASSESSING WHEELS AND RIMS OF OFF ROAD VEHICLES**  
[54] **TECHNOLOGIE DE RESEAU A COURANT DE FOUCAULT POUR UNE EVALUATION DE ROUES ET DE JANTES DE VEHICULES HORS ROUTE**  
[72] SHUMKA, THOMAS, CA  
[72] SHUMKA, JASON, CA  
[71] SHUMKA, THOMAS, CA  
[71] SHUMKA, JASON, CA  
[85] 2016-09-21  
[86] 2015-03-25 (PCT/IB2015/052209)  
[87] (WO2015/145378)  
[30] US (61/970,308) 2014-03-25

[21] **2,943,476**  
[13] A1

[51] **Int.Cl. B02C 2/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MEASURING A CLOSED-SIDE AND/OR OPEN-SIDE SETTING OF A GYRATORY CRUSHER**  
[54] **SYSTEME ET PROCEDE POUR MESURER UN REGLAGE DE COTE FERME ET/OU DE COTE OUVERT D'UN CONCASSEUR GIRATOIRE**  
[72] SHUMKA, THOMAS, CA  
[72] SHUMKA, JASON, CA  
[71] SHUMKA, THOMAS, CA  
[71] SHUMKA, JASON, CA  
[85] 2016-09-21  
[86] 2015-03-31 (PCT/IB2015/052349)  
[87] (WO2015/151018)  
[30] US (61/972,474) 2014-03-31

[21] **2,943,478**  
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) C07H 21/04 (2006.01) C12N 7/00 (2006.01)**  
[25] EN  
[54] **A NON-NATURALLY OCCURRING PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) AND METHODS OF USING**  
[54] **VIRUS DU SYNDROME DYSGENESIQUE ET RESPIRATOIRE DU PORC (PRRSV) D'ORIGINE NON NATURELLE ET PROCEDES D'UTILISATION**  
[72] LAEGREID, WILLIAM W., US  
[72] VU, HIEP LAI XUAN, US  
[72] OSORIO, FERNANDO, US  
[72] PATTNAIK, ASIT K., US  
[72] MA, FANGRUI, US  
[71] NUTECH VENTURES, US  
[71] LAEGREID, WILLIAM W., US  
[85] 2016-09-21  
[86] 2015-03-25 (PCT/IB2015/052214)  
[87] (WO2015/140774)  
[30] US (61/968,465) 2014-03-21

[21] **2,943,481**  
[13] A1

[51] **Int.Cl. A63B 23/03 (2006.01)**  
[25] EN  
[54] **IMPLEMENT FOR TRAINING FACIAL MUSCLE**  
[54] **INSTRUMENT POUR ENTRAINEMENT DES MUSCLES DU VISAGE**  
[72] MATSUSHITA, TSUYOSHI, JP  
[71] MTG CO., LTD., JP  
[85] 2016-09-21  
[86] 2014-11-28 (PCT/JP2014/081512)  
[87] (WO2015/166604)  
[30] JP (2014-094318) 2014-04-30

[21] **2,943,483**  
[13] A1

[51] **Int.Cl. C22B 23/00 (2006.01) C22B 3/26 (2006.01)**  
[25] EN  
[54] **COPPER REMOVAL METHOD FOR AQUEOUS NICKEL CHLORIDE SOLUTION**  
[54] **PROCEDE D'ELIMINATION DU CUIVRE D'UNE SOLUTION AQUEUSE DE CHLORURE DE NICKEL**  
[72] YOKOGAWA, TOMOHIKO, JP  
[72] NAKAI, TAKAYUKI, JP  
[72] KAKIMOTO, MINORU, JP  
[72] TAKAISHI, KAZUYUKI, JP  
[71] SUMITOMO METAL MINING CO., LTD., JP  
[85] 2016-09-21  
[86] 2015-02-10 (PCT/JP2015/053689)  
[87] (WO2015/146329)  
[30] JP (2014-063773) 2014-03-26

[21] **2,943,487**  
[13] A1

[51] **Int.Cl. B67D 3/00 (2006.01) B67D 1/08 (2006.01) B67D 1/14 (2006.01)**  
[25] EN  
[54] **HIGH FLOW, REDUCED FOAM DISPENSING NOZZLE**  
[54] **BUSE DE DISTRIBUTION A DEBIT ELEVE ET A MOUSSE REDUITE**  
[72] DAHLBERG, KIRK WALTER, US  
[72] CHEN, YOULUNG, US  
[72] GREEN, CHARLES BRADLEY, US  
[72] KLUCIK, JOSEF, US  
[72] MARTIN, JOHN, US  
[72] BROWNELL, ROBERT B. JR., US  
[72] BAIR, CASSILYN, US  
[71] THE COCA-COLA COMPANY, US  
[85] 2016-09-21  
[86] 2015-03-23 (PCT/US2015/021943)  
[87] (WO2015/148349)  
[30] US (61/969,910) 2014-03-25

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[21] **2,943,488**  
[13] A1

[51] **Int.Cl. A01C 7/02 (2006.01) A01C 7/20 (2006.01)**  
[25] EN  
[54] **APPARATUSSES, METHODS, AND SYSTEMS FOR PROVIDING DOWN FORCE FOR AN AGRICULTURAL IMPLEMENT**  
[54] **APPAREILS, PROCEDES ET SYSTEMES POUR APPLIQUER UNE FORCE VERS LE BAS POUR UN OUTIL AGRICOLE**  
[72] ACHEN, COURTNEY N., US  
[72] BACHMAN, MARVIN, US  
[72] SCHILDROTH, RHETT, US  
[72] ROLFFS, MERLAN, US  
[72] MYERS, MICHAEL J., US  
[72] KOLLMAN, JOHN, US  
[72] MULHERIN, JOHN P., US  
[71] KINZE MANUFACTURING, INC., US  
[85] 2016-09-21  
[86] 2015-03-23 (PCT/US2015/022018)  
[87] (WO2015/143433)  
[30] US (61/968,820) 2014-03-21

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[21] **2,943,489**  
[13] A1

[51] **Int.Cl. H03K 19/195 (2006.01) H01L 39/22 (2006.01)**  
[25] EN  
[54] **CHIPS INCLUDING CLASSICAL AND QUANTUM COMPUTING PROCESSERS**  
[54] **PUCES COMPRENANT DES PROCESSEURS INFORMATIQUES CLASSIQUE ET QUANTIQUE**  
[72] MOHSENI, MASOUD, US  
[72] NEVEN, HARTMUT, US  
[71] GOOGLE INC., US  
[85] 2016-09-21  
[86] 2015-03-23 (PCT/US2015/022035)  
[87] (WO2015/143439)  
[30] US (61/968,993) 2014-03-21

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[13] A1

[51] **Int.Cl. C11D 3/44 (2006.01) C11D 1/62 (2006.01) C11D 7/50 (2006.01)**  
[25] EN  
[54] **SOLVENT COMPOSITION AND PROCESS FOR REMOVAL OF ASPHALT AND OTHER CONTAMINANT MATERIALS**  
[54] **COMPOSITION DE SOLVANT ET PROCEDE D'ELIMINATION DE L'ASPHALTE ET D'AUTRES MATIERES CONTAMINANTES**  
[72] MATZA, STEPHEN D., US  
[72] ARCHULETA, DANA M., US  
[71] UNITED LABORATORIES INTERNATIONAL, LLC, US  
[85] 2016-09-21  
[86] 2015-03-23 (PCT/US2015/022051)  
[87] (WO2015/148396)  
[30] US (61/969,125) 2014-03-22  
[30] US (14/580,698) 2014-12-23

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[21] **2,943,491**  
[13] A1

[51] **Int.Cl. D05B 19/02 (2006.01)**  
[25] EN  
[54] **METHOD OF DYNAMICALLY CHANGING STITCH DENSITY FOR OPTIMAL QUILTER THROUGHPUT**  
[54] **METHODE DE MODIFICATION DYNAMIQUE DE LA DENSITE DE POINTS POUR UN DEBIT OPTIMAL DE GUIDE QUATEUR**  
[72] CARRIER, JOSHUA A., US  
[72] GARRETT, JOHN TONY, US  
[72] MYERS, JEFFERSON W., US  
[72] MYERS, TERRANCE L., US  
[72] TURNER, JASON B., US  
[71] L & P PROPERTY MANAGEMENT COMPANY, US  
[85] 2016-09-21  
[86] 2015-03-24 (PCT/US2015/022140)  
[87] (WO2015/148443)  
[30] US (61/969,576) 2014-03-24  
[30] US (14/665,425) 2015-03-23

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[21] **2,943,492**  
[13] A1

[51] **Int.Cl. G06F 9/455 (2006.01) G06F 9/44 (2006.01) H04L 29/00 (2006.01)**  
[25] EN  
[54] **IMPLEMENTATION OF A SERVICE THAT COORDINATES THE PLACEMENT AND EXECUTION OF CONTAINERS**  
[54] **MISE EN ŒUVRE D'UN SERVICE QUI COORDONNE LE PLACEMENT ET L'EXECUTION DE CONTENEURS**  
[72] CARL, CRAIG KEITH, US  
[71] AMAZON TECHNOLOGIES, INC., US  
[85] 2016-09-21  
[86] 2015-03-27 (PCT/US2015/023167)  
[87] (WO2015/149017)  
[30] US (14/229,702) 2014-03-28

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[21] **2,943,493**  
[13] A1

[51] **Int.Cl. B62D 7/18 (2006.01) B60T 1/06 (2006.01)**  
[25] EN  
[54] **FABRICATED STEERING KNUCKLES**  
[54] **ROTULES DE DIRECTION FABRIQUEES**  
[72] GOTTSCHALK, MICHAEL J., US  
[72] KOHLER, SCOTT, US  
[72] DANKOW, MARK, US  
[72] WESTNEDGE, ANDREW, US  
[71] HENDRICKSON USA, L.L.C., US  
[85] 2016-09-21  
[86] 2015-03-24 (PCT/US2015/022218)  
[87] (WO2015/148485)  
[30] US (61/970,014) 2014-03-25

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[21] **2,943,495**  
[13] A1

[51] **Int.Cl. A61L 2/18 (2006.01)**  
[25] EN  
[54] **MEDICAL INSTRUMENT CLEANING DEVICE AND RELATED METHODS OF USE**  
[54] **DISPOSITIF DE NETTOYAGE D'INSTRUMENT MEDICAL ET PROCEDES D'UTILISATION ASSOCIES**  
[72] RUVINSKY, LEE A., US  
[72] ESQUENET, BERNARD E., US  
[72] ESQUENET, MARC B., US  
[71] RUHOF CORPORATION, US  
[85] 2016-09-21  
[86] 2015-03-24 (PCT/US2015/022231)  
[87] (WO2015/148495)  
[30] US (61/970,122) 2014-03-25

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[21] **2,943,496**  
[13] A1

[51] **Int.Cl. C09K 8/12 (2006.01) C08F 8/12 (2006.01) C08F 16/06 (2006.01) C08L 29/04 (2006.01) C09K 8/44 (2006.01) E21B 21/00 (2006.01)**

[25] EN

[54] **ADDITIVE FOR SLURRY, DRILLING MUD, AND CEMENT SLURRY**

[54] **ADDITIF POUR COULIS, BOUE DE FORAGE ET COULIS DE CIMENT**

[72] KUMAKI, YOSUKE, JP  
[72] SAITO, YASUTOMO, JP  
[71] KURARAY CO., LTD., JP  
[85] 2016-09-21  
[86] 2015-03-23 (PCT/JP2015/058799)  
[87] (WO2015/151910)  
[30] JP (2014-074291) 2014-03-31

[21] **2,943,499**  
[13] A1

[51] **Int.Cl. C01B 33/24 (2006.01) B01D 53/14 (2006.01)**

[25] EN

[54] **POWDERED TOBERMORITE-TYPE CALCIUM SILICATE-BASED MATERIAL AND METHOD FOR PRODUCING SAME**

[54] **MATERIAU EN POUDRE A BASE DE SILICATE DE CALCIUM DE TYPE TOBERMORITE ET SON PROCEDE DE PRODUCTION**

[72] OKADA, YUKA, JP  
[72] KAMAI, KAZUKI, JP  
[72] TSUMURA, YUUTA, JP  
[72] KONISHI, YUKINORI, JP  
[71] TOMITA PHARMACEUTICAL CO., LTD., JP  
[85] 2016-09-21  
[86] 2015-03-26 (PCT/JP2015/059382)  
[87] (WO2015/151997)  
[30] JP (2014-070672) 2014-03-29

[21] **2,943,501**  
[13] A1

[51] **Int.Cl. B42D 25/373 (2014.01) G09F 19/12 (2006.01)**

[25] EN

[54] **DISPLAY BODY AND OBSERVING METHOD FOR DISPLAY BODY**

[54] **CORPS D'AFFICHAGE ET PROCEDE D'OBSERVATION DE CORPS D'AFFICHAGE**

[72] KODA, SOKO, JP  
[72] NAGANO, AKIRA, JP  
[71] TOPPAN PRINTING CO., LTD., JP  
[85] 2016-09-21  
[86] 2015-03-27 (PCT/JP2015/059688)  
[87] (WO2015/147283)  
[30] JP (2014-065630) 2014-03-27

[21] **2,943,502**  
[13] A1

[51] **Int.Cl. G01J 3/28 (2006.01) G01J 3/04 (2006.01)**

[25] EN

[54] **COMPACT LIGHT SENSOR**

[54] **CAPTEUR COMPACT DE LUMIERE**

[72] DARTY, MARK ANTHONY, US  
[72] YUDOVSKY, DMITRY, US  
[72] TILLEMANN, MICHAEL, US  
[72] MEEENEN, PETER, US  
[71] HYPERMED IMAGING, INC., US  
[85] 2016-09-21  
[86] 2015-03-20 (PCT/US2015/021893)  
[87] (WO2015/143415)  
[30] US (61/969,039) 2014-03-21  
[30] US (62/090,302) 2014-12-10

[21] **2,943,503**  
[13] A1

[51] **Int.Cl. C04B 35/583 (2006.01) B23B 27/14 (2006.01) B23B 27/20 (2006.01) C22C 29/00 (2006.01) C22C 29/12 (2006.01) C22C 29/16 (2006.01)**

[25] EN

[54] **SINTERED BODY AND CUTTING TOOL**

[54] **CORPS FRITTE, ET OUTIL DE COUPE**

[72] CHIHARA, KENTARO, JP  
[72] KUKINO, SATORU, JP  
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP  
[85] 2016-09-21  
[86] 2016-02-16 (PCT/JP2016/054393)  
[87] (WO2016/136531)  
[30] JP (2015-037074) 2015-02-26

[21] **2,943,504**  
[13] A1

[51] **Int.Cl. F04D 29/12 (2006.01) F16J 15/16 (2006.01)**

[25] EN

[54] **DOUBLE SEAL PUMP WITH INTEGRAL ACCUMULATOR**

[54] **POMPE A DOUBLE JOINT D'ETANCHEITE AVEC ACCUMULATEUR INTEGRE**

[72] PEABODY, GREGORY G., US  
[72] TROMLEY, KENNETH W., US  
[71] MP PUMPS, INC., US  
[85] 2016-08-08  
[86] 2015-03-20 (PCT/US2015/021776)  
[87] (WO2015/164008)  
[30] US (14/257,486) 2014-04-21

[21] **2,943,508**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01) G06F 17/20 (2006.01)**

[25] EN

[54] **IMPROVED METHOD, SYSTEM AND SOFTWARE FOR SEARCHING, IDENTIFYING, RETRIEVING AND PRESENTING ELECTRONIC DOCUMENTS**

[54] **LOGICIEL, SYSTEME ET PROCEDE AMELIORES POUR LA RECHERCHE, L'IDENTIFICATION, LA RECUPERATION ET LA PRESENTATION DE DOCUMENTS ELECTRONIQUES**

[72] RYGER, RAPHAEL SHMUEL, US  
[72] SUVOROVA, EKATERINA, US  
[71] THOMSON REUTERS GLOBAL RESOURCES, CH  
[85] 2016-09-21  
[86] 2015-03-30 (PCT/US2015/023429)  
[87] (WO2015/153511)  
[30] US (61/972,272) 2014-03-29  
[30] US (61/972,300) 2014-03-29

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[21] **2,943,511**  
[13] A1

[51] **Int.Cl. C22C 38/24 (2006.01) C22C 38/46 (2006.01)**

[25] EN

[54] **STAINLESS STEEL FOR A PLASTIC MOULD AND A MOULD MADE OF THE STAINLESS STEEL**

[54] **ACIER INOXYDABLE POUR UN MOULE A PLASTIQUE, ET MOULE CONSTITUE DE L'ACIER INOXYDABLE**

[72] TIDESTEN, MAGNUS, SE

[72] RAHLEN, LENA, SE

[71] UDDEHOLMS AB, SE

[85] 2016-08-08

[86] 2015-02-09 (PCT/SE2015/050149)

[87] (WO2015/126311)

[30] EP (14155567.2) 2014-02-18

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[21] **2,943,512**  
[13] A1

[51] **Int.Cl. B63B 21/00 (2006.01) B25J 15/06 (2006.01) E02B 3/24 (2006.01)**

[25] EN

[54] **AUTOMATED MOORING DEVICE**

[54] **DISPOSITIF D'AMARRAGE AUTOMATIQUE**

[72] HADCROFT, JOHN MACKAY, NZ

[71] TRELLEBORG MARINE SYSTEMS MELBOURNE PTY LTD, AU

[85] 2016-09-22

[86] 2015-03-25 (PCT/AU2015/000177)

[87] (WO2015/143488)

[30] NZ (622933) 2014-03-25

[30] NZ (622926) 2014-03-25

[30] NZ (623195) 2014-03-31

[30] NZ (623189) 2014-03-31

[30] NZ (623226) 2014-03-31

[30] NZ (623193) 2014-03-31

[30] NZ (623190) 2014-03-31

[30] NZ (623188) 2014-03-31

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[21] **2,943,513**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01) G06F 17/20 (2006.01)**

[25] EN

[54] **IMPROVED METHOD, SYSTEM AND SOFTWARE FOR SEARCHING, IDENTIFYING, RETRIEVING AND PRESENTING ELECTRONIC DOCUMENTS**

[54] **PROCEDE, SYSTEME, ET LOGICIEL AMELIORES POUR LA RECHERCHE, L'IDENTIFICATION, LA RECUPERATION ET LA PRESENTATION DE DOCUMENTS ELECTRONIQUES**

[72] RYGER, RAPHAEL SHMUEL, US

[72] SUVOROVA, EKATERINA, US

[71] THOMSON REUTERS GLOBAL RESOURCES, CH

[85] 2016-09-21

[86] 2015-03-30 (PCT/US2015/023435)

[87] (WO2015/153515)

[30] US (61/972,272) 2014-03-29

[30] US (61/972,300) 2014-03-29

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[21] **2,943,514**  
[13] A1

[51] **Int.Cl. H04N 5/91 (2006.01) H04N 5/93 (2006.01)**

[25] EN

[54] **METHOD FOR SYNCHRONIZING DATA BETWEEN DIFFERENT TYPES OF DEVICES AND DATA PROCESSING DEVICE FOR GENERATING SYNCHRONIZED DATA**

[54] **PROCEDE DE SYNCHRONISATION DANS LE TEMPS DES DONNEES ENTRE DES DISPOSITIFS HETEROGENES ET UN APPAREIL DE TRAITEMENT DE DONNEES POUR GENERER DES DONNEES SYNCHRONISEES DANS LE TEMPS**

[72] PARK, HYUN JIN, KR

[71] GOLFZON YUWON HOLDINGS CO., LTD., KR

[85] 2016-09-21

[86] 2015-03-20 (PCT/KR2015/002763)

[87] (WO2015/142121)

[30] KR (10-2014-0033109) 2014-03-21

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[21] **2,943,516**  
[13] A1

[51] **Int.Cl. H04W 4/02 (2009.01) H04W 4/08 (2009.01) H04W 4/22 (2009.01) H04W 4/04 (2009.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DYNAMIC LOCATION-BASED GROUP FORMATION FOR A MOVABLE INCIDENT SCENE**

[54] **PROCEDE ET APPAREIL POUR FORMATION DYNAMIQUE DE GROUPE SUR LA BASE D'UN EMPLACEMENT POUR UNE SCENE INCIDENTE MOBILE**

[72] IGUMNOV, ALEXEI VLADIMIROVICH, RU

[72] SAVELEV, FEDOR GRIGORIEVICH, RU

[71] MOTOROLA SOLUTIONS, INC., US

[85] 2016-09-21

[86] 2014-03-24 (PCT/RU2014/000186)

[87] (WO2015/147670)

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[21] **2,943,523**  
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR CONTROLLING AXIAL GROWTH WITH AN OCULAR LENS**

[54] **APPAREIL ET PROCEDES POUR LE CONTROLE DE LA CROISSANCE AXIALE AVEC UNE LENTILLE OCULAIRE**

[72] NEWMAN, STEPHEN D., SG

[71] MENICON SINGAPORE PTE LTD., SG

[85] 2016-09-21

[86] 2015-03-24 (PCT/SG2015/050050)

[87] (WO2015/147758)

[30] SG (10201400920R) 2014-03-24

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[21] **2,943,525**  
[13] A1

[51] **Int.Cl. A23N 17/02 (2006.01) A01F 25/16 (2006.01) A23N 17/00 (2006.01)**

[25] EN

[54] **FEEDSTUFF COMPRESSION DEVICE**

[54] **PRESSE A FOURRAGE**

[72] SHIN, DAE BOK, KR

[71] SHIN, SANG MAN, KR

[85] 2016-08-08

[86] 2015-01-07 (PCT/KR2015/000130)

[87] (WO2015/105323)

[30] KR (10-2014-0002235) 2014-01-08

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[21] **2,943,526**  
[13] A1

[51] **Int.Cl. C07D 491/04 (2006.01) A61K 31/7068 (2006.01) A61P 31/14 (2006.01)**

[25] EN

[54] **CYANO CONTAINING AZABENZOFURAN COMPOUNDS FOR THE TREATMENT OF HEPATITIS C**

[54] **COMPOSES AZABENZOFURANE CONTENANT UN GROUPE CYANO POUR LE TRAITEMENT DE L'HEPATITE C**

[72] WANG, TAO, US

[72] EASTMAN, KYLE J., US

[72] ZHANG, ZHONGXING, US

[72] PARCELLA, KYLE E., US

[72] YIN, ZHIWEI, US

[72] KADOW, JOHN F., US

[71] BRISTOL-MYERS SQUIBB COMPANY, US

[85] 2016-09-21

[86] 2015-03-20 (PCT/US2015/021638)

[87] (WO2015/143255)

[30] US (61/968,763) 2014-03-21

[21] **2,943,529**  
[13] A1

[51] **Int.Cl. B25D 1/02 (2006.01) B25D 1/12 (2006.01) B25D 17/04 (2006.01) B25D 1/04 (2006.01)**

[25] EN

[54] **ALUMINUM STRIKING TOOLS**

[54] **OUTILS DE FRAPPE EN ALUMINIUM**

[72] FLOSI, STEVEN M., US

[72] WEST, JOSHUA D., US

[72] RYAN, JOHN W., JR., US

[71] ESTWING MANUFACTURING COMPANY, INC., US

[85] 2016-09-06

[86] 2014-12-31 (PCT/US2014/072951)

[87] (WO2015/134106)

[30] US (61/949,834) 2014-03-07

[21] **2,943,531**  
[13] A1

[51] **Int.Cl. A61M 29/00 (2006.01)**

[25] EN

[54] **NASAL DILATOR**

[54] **DILATATEUR NASAL**

[72] O'CONNELL, MARTIN, IE

[72] YEAGER, KEITH, US

[71] NASAL MEDICAL LIMITED, IE

[85] 2016-09-21

[86] 2015-03-20 (PCT/US2015/021787)

[87] (WO2015/143344)

[30] US (61/968,798) 2014-03-21

[21] **2,943,532**  
[13] A1

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

[25] EN

[54] **NETWORK COMMUNICATION SYSTEM FOR EXCHANGE TRADING**

[54] **SYSTEME DE COMMUNICATION EN RESEAU POUR LA NEGOCIATION SUR LE CHANGE**

[72] BORKOVEC, MILAN, US

[72] DOMOWITZ, IAN, US

[71] ITG SOFTWARE SOLUTIONS, INC., US

[85] 2016-09-21

[86] 2015-03-20 (PCT/US2015/021836)

[87] (WO2015/143373)

[30] US (61/968,804) 2014-03-21

[21] **2,943,534**  
[13] A1

[51] **Int.Cl. H04R 25/00 (2006.01) H04R 1/10 (2006.01)**

[25] EN

[54] **CANALPHONE COUPLER SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE COUPLEUR D'OREILLETES TELEPHONIQUES**

[72] HARVEY, JERRY, US

[71] HARVEY, JERRY, US

[85] 2016-09-21

[86] 2014-04-05 (PCT/US2014/033109)

[87] (WO2014/165839)

[30] US (61/808,996) 2013-04-05

[30] US (14/246,043) 2014-04-05

[21] **2,943,538**  
[13] A1

[51] **Int.Cl. E21B 47/06 (2012.01) G01V 9/00 (2006.01)**

[25] EN

[54] **MODEL FOR ONE-DIMENSIONAL TEMPERATURE DISTRIBUTION CALCULATIONS FOR A FLUID IN A WELLBORE**

[54] **MODELE POUR DES CALCULS DE DISTRIBUTION DE TEMPERATURES A UNE DIMENSION POUR UN FLUIDE DANS UN PUIS DE FORAGE**

[72] MADASU, SRINATH, US

[72] LIN, AVI, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-09-21

[86] 2014-05-02 (PCT/US2014/036620)

[87] (WO2015/167583)

[21] **2,943,539**  
[13] A1

[51] **Int.Cl. B25D 1/02 (2006.01) B25D 1/12 (2006.01) B25D 17/04 (2006.01) B25D 1/04 (2006.01)**

[25] EN

[54] **STRIKING TOOL WITH ATTACHED STRIKING SURFACE**

[54] **OUTIL DE FRAPPE DOTE D'UNE SURFACE DE FRAPPE FIXEE**

[72] FLOSI, STEVEN M., US

[72] WEST, JOSHUA D., US

[72] RYAN, JOHN W., JR., US

[71] ESTWING MANUFACTURING COMPANY, INC., US

[85] 2016-09-06

[86] 2014-12-31 (PCT/US2014/072969)

[87] (WO2015/134107)

[30] US (61/949,838) 2014-03-07

[21] **2,943,541**  
[13] A1

[51] **Int.Cl. C22C 9/06 (2006.01)**

[25] EN

[54] **DRILLING COMPONENT**

[54] **ELEMENT DE FORAGE**

[72] NIELSEN, WILLIAM D., US

[72] NIELSEN, DIANE M., US

[72] DAMSCHRODER, CHRISTOPHER, US

[72] GRENSING, FRITZ, US

[71] MATERION CORPORATION, US

[85] 2016-09-21

[86] 2014-12-23 (PCT/US2014/072191)

[87] (WO2015/147936)

[30] US (61/969,424) 2014-03-24

[21] **2,943,542**  
[13] A1

[51] **Int.Cl. G01N 25/72 (2006.01)**

[25] EN

[54] **PROCESS CONDUIT ANOMALY DETECTION USING THERMAL IMAGING**

[54] **DETECTION D'ANOMALIE DE CONDUIT DE PROCESSUS AU MOYEN D'IMAGERIE THERMIQUE**

[72] RUD, JASON HAROLD, US

[71] ROSEMOUNT INC., US

[85] 2016-09-21

[86] 2015-01-20 (PCT/US2015/011958)

[87] (WO2015/147972)

[30] US (14/224,814) 2014-03-25

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[21] **2,943,543**  
[13] A1

[51] **Int.Cl. H01M 8/04 (2016.01) H01M 8/10 (2016.01)**  
[25] EN  
[54] **CATHODE GAS RECIRCULATION METHOD AND SYSTEM FOR FUEL CELLS**  
[54] **PROCEDE ET SYSTEME DE RECIRCULATION DE GAZ CATHODIQUE POUR PILES A COMBUSTIBLE**  
[72] MAGGIORE, ANTONIO, IT  
[72] SIBILIA, GIAMPAOLO, IT  
[72] ZUCCHI, PAOLO, IT  
[71] NUVERA FUEL CELLS, INC., US  
[85] 2016-09-21  
[86] 2015-03-19 (PCT/US2015/021409)  
[87] (WO2015/148250)  
[30] US (61/971,179) 2014-03-27  
[30] US (61/986,753) 2014-04-30

[21] **2,943,544**  
[13] A1

[51] **Int.Cl. C07D 489/08 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**  
[25] EN  
[54] **CRYSTALLE FORMS OF OXYMORPHONE HYDROCHLORIDE**  
[54] **FORMES CRISTALLINES DE CHLORHYDRATE D'OXYMORPHONE**  
[72] SINGH, ANIRUDDH, US  
[72] MIRMEHRABI, MAHMOUD, CA  
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB  
[85] 2016-09-21  
[86] 2015-03-20 (PCT/US2015/021627)  
[87] (WO2015/143253)  
[30] US (14/221,456) 2014-03-21

[21] **2,943,545**  
[13] A1

[51] **Int.Cl. H01M 4/587 (2010.01) C01B 31/04 (2006.01) H01M 4/36 (2006.01)**  
[25] EN  
[54] **NEGATIVE ELECTRODE MATERIAL FOR LITHIUM-ION SECONDARY BATTERY, METHOD FOR MANUFACTURING NEGATIVE ELECTRODE MATERIAL FOR LITHIUM-ION SECONDARY BATTERY, NEGATIVE ELECTRODE MATERIAL SLURRY FOR LITHIUM-ION SECONDARY BATTERY, NEGATIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERY, AND LITHIUM-ION SECONDARY BATTERY**  
[54] **MATERIAU D'ELECTRODE NEGATIVE POUR PILE SECONDAIRE LITHIUM-ION, PROCEDE DE FABRICATION DE MATERIAU D'ELECTRODE NEGATIVE POUR PILE SECONDAIRE AU LITHIUM-ION, SUSPENSION CONCENTREE DE MATERIAU D'ELECTRODE NEGATIVE POUR PILE SECONDAIRE LITHIUM-ION, ELECTRODE NEGATIVE POUR PILE SECONDAIRE LITHIUM-ION, ET PILE SECONDAIRE LITHIUM-ION**  
[72] TSUCHIYA, HIDEYUKI, JP  
[72] SAKAMOTO, TAKASHI, JP  
[72] MASAYOSHI, TAKESHI, JP  
[71] HITACHI CHEMICAL COMPANY, LTD., JP  
[85] 2016-09-21  
[86] 2015-03-24 (PCT/JP2015/058980)  
[87] (WO2015/147012)  
[30] JP (2014-062431) 2014-03-25

[21] **2,943,550**  
[13] A1

[51] **Int.Cl. F16G 11/05 (2006.01) H02G 1/04 (2006.01) H02G 15/24 (2006.01)**  
[25] EN  
[54] **FLEXIBLE ELECTRICAL ISOLATION DEVICE**  
[54] **DISPOSITIF D'ISOLATION ELECTRIQUE FLEXIBLE**  
[72] WABNEGGER, DAVID KARL, CA  
[72] PALMER, ROBERT WAYNE, US  
[72] GREER, JODY MILTON, US  
[72] BOUDREAU, MICHAEL HOWARD, CA  
[71] QUANTA ASSOCIATES, L.P., US  
[85] 2016-09-21  
[86] 2015-03-20 (PCT/US2015/021876)  
[87] (WO2015/143402)  
[30] US (61/968,543) 2014-03-21  
[30] US (14/633,749) 2015-02-27

[21] **2,943,551**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01)**  
[25] EN  
[54] **ANTAGONIST ANTIBODIES DIRECTED AGAINST CALCITONIN GENE-RELATED PEPTIDE AND METHODS USING SAME**  
[54] **ANTICORPS ANTAGONISTES DIRIGES CONTRE LE PEPTIDE LIE AU GENE DE LA CALCITONINE ET LEURS PROCEDES D'UTILISATION**  
[72] BIGAL, MARCELO, US  
[72] WALTER, SARAH, US  
[72] STERN, HENRY, US  
[72] CHANG, MICHAEL, US  
[71] TEVA PHARMACEUTICALS INTERNATIONAL GMBH, CH  
[85] 2016-09-21  
[86] 2015-03-20 (PCT/US2015/021887)  
[87] (WO2015/143409)  
[30] US (61/968,897) 2014-03-21  
[30] US (62/083,809) 2014-11-24  
[30] US (62/119,778) 2015-02-23

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[21] **2,943,552**  
[13] A1

[51] **Int.Cl. E21B 31/113 (2006.01) E21B 34/14 (2006.01)**  
[25] EN  
[54] **HYDRAULIC JAR AND A FLOW CONTROL DEVICE USABLE IN THE HYDRAULIC JAR**  
[54] **COULISSE HYDRAULIQUE ET DISPOSITIF DE REGULATION DE L'ECOULEMENT POUVANT ETRE UTILISE DANS LA COULISSE HYDRAULIQUE**  
[72] WESSON, HAROLD ROBINSON, US  
[72] WESSON, SHEA KELLER, US  
[71] ACCESS DOWNHOLE LP, US  
[85] 2016-09-21  
[86] 2015-03-24 (PCT/US2015/022291)  
[87] (WO2015/148540)  
[30] US (14/223,302) 2014-03-24

[21] **2,943,553**  
[13] A1

[51] **Int.Cl. A61B 17/3205 (2006.01)**  
[25] EN  
[54] **PROTECTION DEVICE FOR PREVENTING TUMOR DISSEMINATION AND TUMOR METASTASIS IN LAPAROSCOPIC SURGERY**  
[54] **DISPOSITIF DE PROTECTION DESTINE A PREVENIR LA PROPAGATION ET LES METASTASES DE TUMEURS AU COURS D'UNE CHIRURGIE LAPAROSCOPIQUE**  
[72] LING, BIN, CN  
[72] LING, ANDONG, CN  
[71] LING, BIN, CN  
[71] LING, ANDONG, CN  
[85] 2016-09-22  
[86] 2014-06-25 (PCT/CN2014/000619)  
[87] (WO2015/143589)  
[30] CN (201410121274.6) 2014-03-28

[21] **2,943,554**  
[13] A1

[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/315 (2006.01)**  
[25] EN  
[54] **SYRINGE**  
[54] **SERINGUE**  
[72] YEAH, CHIN MIN, CN  
[71] CC BIOTECHNOLOGY CORPORATION, CN  
[85] 2016-09-22  
[86] 2014-04-03 (PCT/CN2014/074713)  
[87] (WO2015/149323)

[21] **2,943,555**  
[13] A1

[51] **Int.Cl. B31B 1/90 (2006.01)**  
[25] EN  
[54] **GIFT CARD PRESENTER FOR GREETING CARDS**  
[54] **SUPPORT DE CARTE-CADEAU POUR CARTES DE VIDEUX**  
[72] KERSHNER, PATRICK WILLIAM, US  
[72] CANNON, ADAM M., US  
[72] WALKINGTON, GINNY NEILE, US  
[72] THOMAS, MICHAEL WAYNE, US  
[72] BRONSON, EMILY NELL, US  
[72] FRANZKE, MARK E., US  
[72] OLIVERA, RAMON ORESTES, US  
[72] WALLEN, THOMAS A., US  
[72] TOMPKINS, MADELINE ELEANORE, US  
[71] HALLMARK CARDS, INCORPORATED, US  
[85] 2016-09-21  
[86] 2015-03-27 (PCT/US2015/023025)  
[87] (WO2015/148942)  
[30] US (61/971,414) 2014-03-27  
[30] US (14/669,862) 2015-03-26

[21] **2,943,556**  
[13] A1

[51] **Int.Cl. G02B 7/04 (2006.01) H02K 33/18 (2006.01)**  
[25] EN  
[54] **VOICE COIL MOTOR AND FOCUSING LENS**  
[54] **MOTEUR A BOBINE ACOUSTIQUE ET LENTILLE DE FOCALISATION**  
[72] HU, XIAOPING, CN  
[71] BOLYMEDIA HOLDINGS CO. LTD., US  
[85] 2016-09-22  
[86] 2014-04-15 (PCT/CN2014/075377)  
[87] (WO2015/157909)

[21] **2,943,557**  
[13] A1

[51] **Int.Cl. H04W 52/02 (2009.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PERFORMING FRACTIONAL SUBFRAME TRANSMISSION**  
[54] **PROCEDE ET APPAREIL POUR L'EXECUTION DE TRANSMISSION DE SOUS-TRAME FRACTIONNELLE**  
[72] JIANG, LEI, CN  
[72] LIU, HONGMEI, CN  
[72] WANG, GANG, CN  
[72] SUN, ZHENNIAN, CN  
[72] JIANG, CHUANGXIN, CN  
[71] NEC CORPORATION, JP  
[85] 2016-09-22  
[86] 2015-01-30 (PCT/CN2015/071898)  
[87] (WO2016/119192)

[21] **2,943,558**  
[13] A1

[51] **Int.Cl. C12N 9/96 (2006.01) C12N 9/04 (2006.01) C12N 11/06 (2006.01) G01N 33/66 (2006.01)**  
[25] EN  
[54] **HIGH LOAD ENZYME IMMOBILISATION BY CROSSLINKING**  
[54] **IMMOBILISATION DE CHARGE ENZYMATIQUE ELEVEE PAR RETICULATION**  
[72] HORN, CARINA, DE  
[72] GAWENDA, SUSANNE, DE  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2016-09-21  
[86] 2015-03-27 (PCT/EP2015/056732)  
[87] (WO2015/150263)  
[30] EP (14162678.8) 2014-03-31

[21] **2,943,559**  
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01)**  
[25] EN  
[54] **NETWORK NOTIFICATIONS**  
[54] **NOTIFICATIONS DE RESEAU**  
[72] MARTINI, PAUL MICHAEL, US  
[71] IBOSS, INC., US  
[85] 2016-09-26  
[86] 2015-03-25 (PCT/US2015/022549)  
[87] (WO2015/148709)  
[30] US (14/226,582) 2014-03-26

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[21] **2,943,560**  
[13] A1  
[51] **Int.Cl. A61M 37/00 (2006.01)**  
[25] EN  
[54] **TATTOO NEEDLE TIP WITH CAPILLARY INK RESERVOIR AND COMBINED DEVICE THEREOF**  
[54] **POINTE D'AIGUILLE DE TATOUAGE AVEC RESERVOIR D'ENCRE CAPILLAIRE ET DISPOSITIF COMBINE ASSOCIE**  
[72] XIAO, LONG, CN  
[71] XIAO, LONG, CN  
[85] 2016-09-22  
[86] 2015-04-07 (PCT/CN2015/075980)  
[87] (WO2015/154649)  
[30] CN (201420167938.8) 2014-04-08

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[21] **2,943,561**  
[13] A1  
[51] **Int.Cl. H04L 12/22 (2006.01)**  
[25] EN  
[54] **SERVING APPROVED RESOURCES**  
[54] **RESSOURCES APPROUVEES DE SERVICE**  
[72] MARTINI, PAUL MICHAEL, US  
[71] IBOSS, INC., US  
[85] 2016-09-26  
[86] 2015-03-25 (PCT/US2015/022554)  
[87] (WO2015/148713)  
[30] US (14/226,645) 2014-03-26

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[21] **2,943,563**  
[13] A1  
[51] **Int.Cl. A61F 9/008 (2006.01)**  
[25] EN  
[54] **TECHNIQUE FOR SETTING ENERGY-RELATED LASER-PULSE PARAMETERS**  
[54] **TECHNIQUE POUR REGLER DES PARAMETRES D'IMPULSION LASER ASSOCIES A L'ENERGIE**  
[72] FOESEL, MATTHIAS, DE  
[72] DONITZKY, CHRISTOF, DE  
[72] VOGLER, KLAUS, DE  
[72] KITTELMANN, OLAF, DE  
[71] WAVELIGHT GMBH, DE  
[85] 2016-09-22  
[86] 2014-05-22 (PCT/EP2014/060565)  
[87] (WO2015/176759)

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[21] **2,943,564**  
[13] A1  
[51] **Int.Cl. G01N 27/02 (2006.01) E21B 49/00 (2006.01) G01N 33/28 (2006.01)**  
[25] EN  
[54] **PROBE, SONDE AND METHOD FOR PRODUCING SIGNALS INDICATIVE OF LOCAL PHASE COMPOSITION OF A FLUID FLOWING IN AN OIL WELL, THE PROBE COMPRISING A BODY HAVING A TIP OF ELECTRICALLY INSULATING MATERIAL**  
[54] **SONDE ET PROCEDE DE PRODUCTION DE SIGNAUX INDIQUANT UNE COMPOSITION DE PHASE LOCALE D'UN FLUIDE S'ECOULANT DANS UN Puits DE PETROLE, LA SONDE COMPRENANT UN CORPS AYANT UNE POINTE DE MATERIAU ELECTRIQUEMENT ISOLANT**  
[72] DONZIER, ERIC, FR  
[72] TAVERNIER, EMMANUEL, FR  
[72] ABBASSI, LINDA, FR  
[71] OPENFIELD, FR  
[85] 2016-09-22  
[86] 2014-12-05 (PCT/EP2014/076800)  
[87] (WO2015/144264)  
[30] EP (14162506.1) 2014-03-28

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[21] **2,943,565**  
[13] A1  
[51] **Int.Cl. H02M 5/06 (2006.01) H02M 1/00 (2007.10) H02M 1/12 (2006.01) H02M 7/44 (2006.01)**  
[25] EN  
[54] **ELECTRONIC SINE WAVE TRANSFORMER**  
[54] **TRANSFORMATEUR ELECTRONIQUE D'ONDES SINUSOIDALES**  
[72] RINALDI, VITO, CA  
[71] RINALDI, VITO, CA  
[85] 2016-09-22  
[86] 2014-03-18 (PCT/CA2014/000279)  
[87] (WO2014/146195)  
[30] US (13/849,025) 2013-03-22

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[21] **2,943,566**  
[13] A1  
[51] **Int.Cl. A61F 9/009 (2006.01) A61F 9/008 (2006.01)**  
[25] EN  
[54] **MEASURING MODULE INCLUDING AN INTERFACE FOR COUPLING TO A LASER DEVICE**  
[54] **MODULE DE MESURE COMPRENANT UNE INTERFACE POUR L'ACCOUPEMENT A UN DISPOSITIF LASER**  
[72] CHERKAS, NADZEYA, DE  
[72] KADETOV, IRINA, DE  
[72] KITTELMANN, OLAF, DE  
[72] VOGLER, KLAUS, DE  
[71] WAVELIGHT GMBH, DE  
[85] 2016-09-22  
[86] 2014-05-23 (PCT/EP2014/060675)  
[87] (WO2015/176773)

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[21] **2,943,567**  
[13] A1  
[51] **Int.Cl. F16F 13/26 (2006.01)**  
[25] EN  
[54] **MULTI-STATE ELECTRONICALLY SWITCHABLE ENGINE MOUNT ASSEMBLY**  
[54] **ENSEMBLE DE SUPPORT DE MOTEUR COMMUTABLE ELECTRONIQUEMENT MULTI-ETAT**  
[72] MCDONOUGH, WILLIAM B., US  
[72] BRADSHAW, JEFF, US  
[71] COOPER-STANDARD AUTOMOTIVE INC., US  
[71] MCDONOUGH, WILLIAM B., US  
[71] BRADSHAW, JEFF, US  
[85] 2016-07-04  
[86] 2014-12-31 (PCT/US2014/073026)  
[87] (WO2015/103406)  
[30] US (61/923,020) 2014-01-02

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[21] **2,943,568**  
[13] A1

[51] **Int.Cl. C12N 1/00 (2006.01) A23D 7/005 (2006.01) B01F 17/00 (2006.01) C12N 1/18 (2006.01) C12N 1/20 (2006.01)**

[25] EN

[54] **YEAST AND BACTERIA AS STABILIZERS IN EMULSIONS OF OIL AND WATER**

[54] **LEVURE ET BACTERIES SERVANT DE STABILISATEURS DANS DES EMULSIONS CONSTITUEES D'HUILE ET D'EAU**

[72] FIROOZMAND, HASSAN, CA  
[72] ROUSSEAU, DERICK, CA  
[71] FIROOZMAND, HASSAN, CA  
[85] 2016-09-22  
[86] 2014-03-25 (PCT/CA2014/050307)  
[87] (WO2015/143532)

[21] **2,943,569**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C07K 14/74 (2006.01) C12N 5/10 (2006.01) C12Q 1/02 (2006.01) C40B 30/06 (2006.01) C40B 40/02 (2006.01) G01N 33/567 (2006.01)**

[25] EN

[54] **T-CELL EPITOPE IDENTIFICATION**

[54] **IDENTIFICATION D'EPITOPES DE LYMPHOCYTES T**

[72] HOLT, ROBERT, CA  
[72] SHARMA, GOVINDA, CA  
[71] BRITISH COLUMBIA CANCER AGENCY BRANCH, CA  
[85] 2016-09-22  
[86] 2015-03-25 (PCT/CA2015/050230)  
[87] (WO2015/143558)  
[30] US (61/971,355) 2014-03-27

[21] **2,943,573**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) G01N 33/50 (2006.01) G01N 33/68 (2006.01)**

[25] FR

[54] **METHOD FOR EVALUATING THE HARMFUL EFFECTS OF URINE ON CHILDREN'S SKIN**

[54] **PROCEDES D'EVALUATION DES EFFETS DELETERES DE L'URINE SUR LA PEAU D'ENFANT**

[72] BAUDOUIN, CAROLINE, FR  
[72] MSIKA, PHILIPPE, FR  
[71] LABORATOIRES EXPANSCIENCE, FR  
[85] 2016-09-22  
[86] 2015-03-31 (PCT/EP2015/057119)  
[87] (WO2015/150426)  
[30] FR (1452803) 2014-03-31

[21] **2,943,576**  
[13] A1

[51] **Int.Cl. G01J 1/42 (2006.01) G01R 29/00 (2006.01)**

[25] EN

[54] **FULLY-COHERENT TERAHERTZ DETECTION METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE DETECTION ENTIEREMENT COHERENTE DANS LA GAMME DES TERAHERTZ**

[72] CLERICI, MATTEO, GB  
[72] PECCIANI, MARCO, GB  
[72] HO, SZE PHING, MY  
[72] MAZHOROVA, ANNA, CA  
[72] MORANDOTTI, ROBERTO, CA  
[72] PASQUAZI, ALESSIA, GB  
[72] RAZZARI, LUCA, CA  
[72] JESTIN, YOANN, CA  
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA  
[71] HERIOT WATT UNIVERSITY, GB  
[85] 2016-09-22  
[86] 2015-04-08 (PCT/CA2015/050285)  
[87] (WO2015/154184)  
[30] US (61/977,736) 2014-04-10

[21] **2,943,577**  
[13] A1

[51] **Int.Cl. A61F 2/18 (2006.01) A61B 17/34 (2006.01) A61F 11/00 (2006.01)**

[25] EN

[54] **SURGICAL INTRODUCER**

[54] **SYSTEME D'INTRODUCTION CHIRURGICAL**

[72] KANG-BUDIALAM, NORBERT VENANTIUS, GB  
[72] HAINES, MARIE-CLAIRE, GB  
[71] NORTHWOOD MEDICAL INNOVATION LIMITED, GB  
[85] 2016-09-22  
[86] 2015-02-10 (PCT/GB2015/050356)  
[87] (WO2015/145102)  
[30] GB (1405414.2) 2014-03-26

[21] **2,943,578**  
[13] A1

[51] **Int.Cl. A61N 5/06 (2006.01) A61N 5/067 (2006.01) B32B 37/10 (2006.01) F21S 2/00 (2016.01) F21V 23/00 (2015.01)**

[25] EN

[54] **FLEXIBLE LIGHT TREATMENT PAD**

[54] **COUSSIN SOUPLE DE TRAITEMENT LUMINEUX**

[72] HACCO, ELI, CA  
[72] KNAUS, ALEXANDER L., CA  
[71] MEDITECH INTERNATIONAL INC., CA  
[85] 2016-09-22  
[86] 2015-04-20 (PCT/CA2015/050325)  
[87] (WO2015/161368)  
[30] US (61/982,101) 2014-04-21

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[21] **2,943,579**  
[13] A1

[51] **Int.Cl. B02C 17/18 (2006.01) B02C 17/24 (2006.01) B02C 25/00 (2006.01)**

[25] EN

[54] **DETACHING AN ADHERING CHARGE FROM AN INNER WALL OF A GRINDING TUBE**

[54] **DETACHEMENT D'UNE CHARGE ADHERANT A UNE PAROI INTERIEURE D'UN TUBE DE BROYAGE**

[72] BOHNLEIN, RUDOLF, DE  
[72] MENSING, DIRK, DE  
[72] THUILOT, JURGEN, DE  
[72] WACKER, BERND, DE  
[71] SIEMENS AKTIENGESSELLSCHAFT, DE  
[85] 2016-09-22  
[86] 2015-03-12 (PCT/EP2015/055212)  
[87] (WO2015/144444)  
[30] EP (14161257.2) 2014-03-24

[21] **2,943,583**  
[13] A1

[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 25/08 (2006.01)**

[25] EN

[54] **IMEPITOIN FOR USE IN TREATING EPILEPTIC DISORDERS IN A FELINE**

[54] **IMEPITOIN POUR UNE UTILISATION DANS LE TRAITEMENT DE TROUBLES EPILEPTIQUES CHEZ UN FELIN**

[72] ENGEL, ODILO RANDOLF, DE  
[72] MICHEL, ANNALENA, DE  
[72] DE VRIES, FRERICH, DE  
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE  
[85] 2016-09-22  
[86] 2015-03-20 (PCT/EP2015/055893)  
[87] (WO2015/144576)  
[30] EP (PCT/EP2014/055843) 2014-03-24  
[30] EP (PCT/EP2014/059525) 2014-05-09  
[30] EP (14180415.3) 2014-08-08

[21] **2,943,588**  
[13] A1

[51] **Int.Cl. C07K 16/00 (2006.01) A61K 39/00 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **HUMANIZED ANTI-IGE ANTIBODIES THAT CROSSLINK CD23 ON B LYMPHOCYTES BUT DO NOT SENSITIZE MAST CELLS**

[54] **ANTICORPS HUMANISES ANTI-IGE QUI RETICULENT CD23 SUR DES LYMPHOCYTES B MAIS QUI NE SENSIBILISENT PAS LES MASTOCYTES**

[72] CHEN, JIUN-BO, TW  
[72] SHIUNG, YU-YU, TW  
[72] CHANG, TSE-WEN, TW  
[71] ACADEMIA SINICA, TW  
[85] 2016-08-24  
[86] 2015-06-16 (PCT/US2015/035981)  
[87] (WO2015/195631)  
[30] US (62/013,196) 2014-06-17

[21] **2,943,580**  
[13] A1

[51] **Int.Cl. G07B 15/02 (2011.01) G06Q 20/34 (2012.01)**

[25] EN

[54] **TRANSPORT SYSTEM USER INSPECTION**

[54] **INSPECTION D'UTILISATEUR DE SYSTEME DE TRANSPORT**

[72] COWEN, MICHAEL J., GB  
[72] NOE, JAMES C., GB  
[71] MASTERCARD INTERNATIONAL INCORPORATED, US  
[85] 2016-09-22  
[86] 2015-03-02 (PCT/GB2015/050605)  
[87] (WO2015/140502)  
[30] GB (1404908.4) 2014-03-19

[21] **2,943,586**  
[13] A1

[51] **Int.Cl. G01D 18/00 (2006.01) B64C 13/30 (2006.01) G01D 5/22 (2006.01)**

[25] EN

[54] **SYSTEM FOR DETECTING MECHANICAL DISCONNECT OF A SENSOR FROM A CONTROLLED ELEMENT**

[54] **SYSTEME PERMETTANT DE DETECTER UNE DECONNEXION MECANIQUE D'UN CAPTEUR PAR RAPPORT A UN ELEMENT COMMANDE**

[72] SMITH, TIMOTHY, CA  
[71] BOMBARDIER INC., CA  
[85] 2016-09-22  
[86] 2015-03-23 (PCT/IB2015/052104)  
[87] (WO2015/150965)  
[30] US (61/972,668) 2014-03-31

[21] **2,943,589**  
[13] A1

[51] **Int.Cl. G01V 1/30 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR CHARACTERIZING AZIMUTHAL ANISOTROPY USING STATISTICAL MOMENTS**

[54] **PROCEDE ET APPAREIL PERMETTANT DE CHARACTERISER UNE ANISOTROPIE AZIMUTALE AU MOYEN DE MOMENTS STATISTIQUES**

[72] ROURE, BENJAMIN, FR  
[71] CGG SERVICES SA, FR  
[85] 2016-09-22  
[86] 2015-03-26 (PCT/IB2015/000548)  
[87] (WO2015/145257)  
[30] US (61/971,569) 2014-03-28

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[13] A1  
[51] **Int.Cl. G06Q 20/40 (2012.01)**  
[25] EN  
[54] **AUTOMATIC DATA TRANSFER**  
[54] **TRANSFERT DE DONNEES**  
**AUTOMATIQUE**  
[72] JUDGE, EDWARD W, GB  
[72] LADDS, ANOUSKA, GB  
[72] COWEN, MICHAEL J, GB  
[72] NOE, JAMES C, GB  
[71] MASTERCARD INTERNATIONAL  
INCORPORATED, US  
[85] 2016-09-22  
[86] 2015-03-02 (PCT/GB2015/050606)  
[87] (WO2015/140503)  
[30] GB (1404907.6) 2014-03-19

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[21] **2,943,593**  
[13] A1  
[51] **Int.Cl. G06F 11/00 (2006.01)**  
[25] EN  
[54] **SPECIFIC RISK TOOLKIT**  
[54] **BOITE A OUTILS DE RISQUES**  
**SPECIFIQUES**  
[72] GUAY, SEBASTIEN, CA  
[71] BOMBARDIER INC., CA  
[85] 2016-09-22  
[86] 2015-03-30 (PCT/IB2015/052337)  
[87] (WO2015/151014)  
[30] US (61/972,661) 2014-03-31

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[21] **2,943,594**  
[13] A1  
[51] **Int.Cl. C09K 8/03 (2006.01) C09K**  
**8/50 (2006.01) E21B 33/13 (2006.01)**  
[25] EN  
[54] **LOST-CIRCULATION**  
**MATERIALS OF TWO**  
**DIFFERENT TYPES OF FIBERS**  
[54] **COLMATANTS A DEUX TYPES**  
**DIFFERENTS DE FIBRE**  
[72] WALKER, JONATHAN P., US  
[72] WHITFILL, DONALD L., US  
[72] SAVARI, SHARATH, US  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[85] 2016-09-22  
[86] 2014-06-10 (PCT/US2014/041778)  
[87] (WO2015/191055)

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[21] **2,943,595**  
[13] A1  
[51] **Int.Cl. E21B 33/05 (2006.01) E21B**  
**33/16 (2006.01)**  
[25] EN  
[54] **CEMENT HEAD SYSTEM AND**  
**METHOD FOR OPERATING A**  
**CEMENT HEAD SYSTEM**  
[54] **SYSTEME DE TETE DE**  
**CIMENTAGE ET PROCEDE DE**  
**COMMANDE D'UN SYSTEME DE**  
**TETE DE CIMENTAGE**  
[72] ROGOZINSKI, NICOLAS A., US  
[72] ROGERS, HENRY E., US  
[72] STANDIFER, PHILLIP D., US  
[72] MAKOWIECKI, GARY, US  
[71] HALLIBURTON ENERGY  
SERVICES INC., US  
[85] 2016-09-22  
[86] 2014-05-05 (PCT/US2014/036816)  
[87] (WO2015/171112)

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[13] A1  
[51] **Int.Cl. E21B 17/02 (2006.01) E21B**  
**17/08 (2006.01)**  
[25] EN  
[54] **CASING JOINT ASSEMBLY**  
[54] **ENSEMBLE MANCHON DE**  
**TUBAGE**  
[72] VEMURI, SRINIVASA PRASANNA,  
US  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[85] 2016-09-22  
[86] 2014-06-16 (PCT/US2014/042502)  
[87] (WO2015/195075)

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[21] **2,943,599**  
[13] A1  
[51] **Int.Cl. A61B 5/03 (2006.01) A61B**  
**5/0215 (2006.01)**  
[25] EN  
[54] **AN IMPLANTABLE DUAL**  
**SENSOR BIO-PRESSURE**  
**TRANSPONDER AND METHOD**  
**OF CALIBRATION**  
[54] **TRANSPONDEUR DE BIO-**  
**PRESSION IMPLANTABLE A**  
**DEUX CAPTEURS, ET PROCEDE**  
**D'ETALONNAGE**  
[72] SEAVER, CHAD ERIC, US  
[72] ARNOTT, JAMES CHRIS, US  
[72] KILLEFFER, JAMES ALEXANDER,  
US  
[71] ARKIS BIOSCIENCES, US  
[85] 2016-09-22  
[86] 2015-03-24 (PCT/US2015/022284)  
[87] (WO2015/148533)  
[30] US (61/969,789) 2014-03-24

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[21] **2,943,600**  
[13] A1  
[51] **Int.Cl. A61F 7/00 (2006.01) A61B 5/01**  
**(2006.01) A61B 18/04 (2006.01) A61N**  
**5/00 (2006.01) G01J 5/60 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR**  
**PROVIDING TREATMENT**  
**FEEDBACK FOR A THERMAL**  
**TREATMENT DEVICE**  
[54] **SYSTEME ET PROCEDE DE**  
**FOURNITURE D'UN RETOUR**  
**D'INFORMATIONS SUR UN**  
**TRAITEMENT POUR UN**  
**DISPOSITIF DE TRAITEMENT**  
**THERMIQUE**  
[72] TAGHIZADEH, FARHAN, US  
[71] AESTHETICS BIOMEDICAL, INC.,  
US  
[85] 2016-09-22  
[86] 2014-10-08 (PCT/US2014/059782)  
[87] (WO2015/152966)  
[30] US (14,245,973) 2014-04-04  
[30] US (PCT/US2014/033026) 2014-04-04

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[21] **2,943,601**  
[13] A1

[51] **Int.Cl. B32B 37/15 (2006.01) B32B 27/08 (2006.01) B65D 65/40 (2006.01) B65D 81/34 (2006.01) B32B 29/00 (2006.01)**

[25] EN

[54] **A METHOD OF PRODUCING A HEAT-RESISTENT POLYMER-COATED OVEN BOARD, AN OVEN BOARD OBTAINABLE BY THE METHOD, A FOOD TRAY AND A FOOD PACKAGE**

[54] **PROCEDE DE FABRICATION D'UNE PLAQUE DE FOUR REVETUE D'UN POLYMERE RESISTANT A LA CHALEUR, PLAQUE DE FOUR POUVANT ETRE OBTENUE PAR LE PROCEDE, PLATEAU POUR ALIMENTS ET EMBALLAGE ALIMENTAIRE**

[72] NEVALAINEN, KIMMO, FI  
[72] RIBU, VILLE, FI  
[71] STORA ENSO OYJ, FI  
[85] 2016-09-22  
[86] 2015-04-14 (PCT/IB2015/052710)  
[87] (WO2015/159217)  
[30] SE (1400205-9) 2014-04-16

[21] **2,943,602**  
[13] A1

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) G06F 3/0489 (2013.01) B64D 43/00 (2006.01)**

[25] EN

[54] **CURSOR CONTROL FOR AIRCRAFT DISPLAY DEVICE**

[54] **COMMANDE DE CURSEUR POUR DISPOSITIF D'AFFICHAGE D'AERONEF**

[72] DOYON POULIN, PHILIPPE, CA  
[72] LEBLANC, FREDERIC, CA  
[72] OUELLETTE, BENOIT, CA  
[72] SEGUIN TREMBLAY, NOEMIE, CA  
[71] BOMBARDIER INC., CA  
[85] 2016-09-22  
[86] 2015-03-26 (PCT/IB2015/052249)  
[87] (WO2015/150994)  
[30] US (61/972,501) 2014-03-31

[21] **2,943,603**  
[13] A1

[51] **Int.Cl. C12N 15/48 (2006.01) A61K 39/12 (2006.01)**

[25] EN

[54] **MOSAIC HIV-1 SEQUENCES AND USES THEREOF**

[54] **SEQUENCES DU VIH -1 EN MOSAIQUE ET UTILISATIONS DE CELLES-CI**

[72] HAYNES, BARTON F., US  
[72] KORBER, BETTE T., US  
[71] DUKE UNIVERSITY, US  
[71] LOS ALAMOS NATIONAL SECURITY, LLC., US  
[85] 2016-09-22  
[86] 2015-03-25 (PCT/US2015/022380)  
[87] (WO2015/148602)  
[30] US (61/969,954) 2014-03-25

[21] **2,943,605**  
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61L 31/02 (2006.01) A61L 31/04 (2006.01)**

[25] EN

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

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

[72] HULDIN, NELSON L., US  
[72] GROENKE, GREG, US  
[72] ROSSNER, HOLGER-CLAUS, DE  
[71] IZI MEDICAL PRODUCTS, LLC, US  
[85] 2016-09-22  
[86] 2014-04-07 (PCT/IB2014/060490)  
[87] (WO2015/150876)  
[30] US (14/245,141) 2014-04-04

[21] **2,943,606**  
[13] A1

[51] **Int.Cl. C07C 1/20 (2006.01) C07C 15/08 (2006.01) C10G 3/00 (2006.01)**

[25] EN

[54] **METHODS FOR CONVERTING OXYGENATES INTO HYDROCARBONS**

[54] **PROCEDES DE CONVERSION DE COMPOSES OXYGENES EN HYDROCARBURES**

[72] LOVELESS, BRETT, US  
[72] ELIA, CHRISTINE N., US  
[72] MCCARTHY, STEPHEN J., US  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2016-09-22  
[86] 2014-12-04 (PCT/US2014/068508)  
[87] (WO2015/094682)  
[30] US (61/918,994) 2013-12-20  
[30] US (61/919,013) 2013-12-20  
[30] US (61/918,984) 2013-12-20

[21] **2,943,607**  
[13] A1

[51] **Int.Cl. A61K 31/365 (2006.01) A61P 3/00 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS TO TREAT NIEMANN-PICK DISEASE**

[54] **COMPOSITIONS ET METHODES POUR TRAITER UNE MALADIE DE NIEMANN-PICK DISEASE**

[72] ALKON, DANIEL L., US  
[71] ALKON, DANIEL L., US  
[85] 2016-09-22  
[86] 2015-03-27 (PCT/US2015/023090)  
[87] (WO2015/148975)  
[30] US (61/971,480) 2014-03-27

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[13] A1

[51] **Int.Cl. A61J 15/00 (2006.01)**  
[25] EN  
[54] **COMBINED MEASURE POSITIONING AND/OR MONITORING OF A NASO/OROGASTRIC FEEDING TUBE**

[54] **MISE EN PLACE ET/OU SUIVI D'UNE SONDE D'ALIMENTATION NASO-/ORO-GASTRIQUE PAR MESURE COMBINEE**

[72] ELIA, LIRON, IL  
[72] IDAN, GAVRIEL J., IL  
[71] ART HEALTHCARE LTD., IL  
[85] 2016-09-22  
[86] 2015-03-12 (PCT/IL2015/050262)  
[87] (WO2015/136540)  
[30] US (61/952,198) 2014-03-13

[21] **2,943,609**  
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01) A01N 43/04 (2006.01) C07K 16/00 (2006.01)**  
[25] EN  
[54] **METABOLICALLY-ACTIVATED DRUG CONJUGATES TO OVERCOME RESISTANCE IN CANCER THERAPY**

[54] **CONJUGUES DE MEDICAMENTS ACTIVES METABOLIQUEMENT POUR VAINCRE LA RESISTANCE DANS UNE THERAPIE DU CANCER**

[72] GOLDMAN, AARON, US  
[72] SENGUPTA, SHILADITYA, US  
[72] PARASKAR, ABHIMANYU, US  
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US  
[85] 2016-09-22  
[86] 2015-03-27 (PCT/US2015/023135)  
[87] (WO2015/149001)  
[30] US (61/971,249) 2014-03-27

[21] **2,943,610**  
[13] A1

[51] **Int.Cl. A63B 23/02 (2006.01) A47C 9/00 (2006.01) A61G 5/10 (2006.01) A61H 1/02 (2006.01)**  
[25] EN  
[54] **WHEELCHAIR EXERCISE DEVICE**

[54] **DISPOSITIF D'EXERCICE POUR FAUTEUIL ROULANT**

[72] SERLACHIUS, JARL FREDRIK, FI  
[71] SPINEGYM OY, FI  
[85] 2016-09-22  
[86] 2015-02-25 (PCT/FI2015/000006)  
[87] (WO2015/128538)  
[30] FI (20140055) 2014-02-25

[21] **2,943,612**  
[13] A1

[51] **Int.Cl. C07C 1/20 (2006.01) C10G 3/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR OXYGENATE CONVERSION**

[54] **PROCEDE DE CONVERSION OXYGENEE**

[72] MCCARTHY, STEPHEN J., US  
[72] VIJAY, ROHIT, US  
[72] RATERMAN, MICHAEL FRANCIS, US  
[72] PETERSON, BRIAN, US  
[72] HICKEY, KARLTON J., US  
[72] DAAGE, MICHEL, US  
[72] LOVELESS, BRETT, US  
[72] GUPTA, RAMESH, US  
[72] BIELENBERG, PATRICIA A., US  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[85] 2016-09-22  
[86] 2014-12-04 (PCT/US2014/068509)  
[87] (WO2015/094683)  
[30] US (61/918,984) 2013-12-20  
[30] US (61/919,013) 2013-12-20  
[30] US (61/918,994) 2013-12-20

[21] **2,943,613**  
[13] A1

[51] **Int.Cl. C10G 50/00 (2006.01) C07C 59/347 (2006.01) C10G 3/00 (2006.01) C10L 1/06 (2006.01)**  
[25] EN  
[54] **METHOD FOR CATALYTIC CONVERSION OF KETOACIDS AND HYDROTREATMENT TO HYDROCARBONS**

[54] **PROCEDE POUR LA CONVERSION CATALYTIQUE DE CETOACIDES ET L'HYDROTRAITEMENT EN HYDROCARBURES**

[72] MYLLYOJA, JUKKA PEKKA, FI  
[72] PILOLA, RAMI, FI  
[71] NESTE OYJ, FI  
[85] 2016-09-22  
[86] 2015-03-26 (PCT/FI2015/050208)  
[87] (WO2015/144993)  
[30] EP (14161793.6) 2014-03-26

[21] **2,943,615**  
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01)**  
[25] EN  
[54] **WEAR MEMBERS FOR EXCAVATION IMPLEMENTS**

[54] **ELEMENTS D'USURE POUR OUTILS D'EXCAVATION**

[72] RUVANG, JOHN A., CA  
[71] BLACK CAT BLADES LTD., CA  
[85] 2016-09-22  
[86] 2015-02-13 (PCT/US2015/015739)  
[87] (WO2016/130135)

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[13] A1

[51] **Int.Cl. G07F 17/30 (2006.01) G06F 3/048 (2013.01)**  
[25] EN  
[54] **DIGITAL JUKEBOX DEVICE WITH IMPROVED USER INTERFACES, AND ASSOCIATED METHODS**  
[54] **DISPOSITIF DE JUKE-BOX NUMERIQUE AYANT DES INTERFACES UTILISATEURS AMELIOREES, ET PROCEDES ASSOCIES**  
[72] BEAUMIER, FRANCOIS, US  
[72] DHAMBRI, KARIM, US  
[72] SUSLA, DANIEL, US  
[72] LABUNKA, MATT, US  
[72] MOULTON, IAN, US  
[72] ALAMEER, SAMER, US  
[72] TOOKER, MICHAEL, US  
[71] TOUCHTUNES MUSIC CORPORATION, US  
[85] 2016-09-22  
[86] 2015-03-25 (PCT/US2015/022454)  
[87] (WO2015/148644)  
[30] US (61/970,338) 2014-03-25

[21] **2,943,617**  
[13] A1

[51] **Int.Cl. H01J 49/02 (2006.01) H01J 49/40 (2006.01)**  
[25] EN  
[54] **AN APPARATUS AND METHOD FOR SUB-MICROMETER ELEMENTAL IMAGE ANALYSIS BY MASS SPECTROMETRY**  
[54] **APPAREIL ET PROCEDE D'ANALYSE D'IMAGES ELEMENTAIRES SUB-MICROMETRIQUES PAR SPECTROMETRIE DE MASSE**  
[72] BENDALL, SEAN C., US  
[72] ANGELO, ROBERT M., US  
[72] NOLAN, GARRY P., US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US  
[85] 2016-09-22  
[86] 2015-03-30 (PCT/US2015/023353)  
[87] (WO2015/153464)  
[30] US (61/974,351) 2014-04-02

[21] **2,943,619**  
[13] A1

[51] **Int.Cl. A61K 8/43 (2006.01) A61K 8/41 (2006.01) A61K 8/72 (2006.01) A61Q 19/00 (2006.01) A61Q 19/10 (2006.01)**  
[25] EN  
[54] **ANTIMICROBIAL COMPOSITIONS CONTAINING CATIONIC ACTIVE INGREDIENTS**  
[54] **COMPOSITIONS ANTIMICROBIENNES CONTENANT DES INGREDIENTS ACTIFS CATIONIQUES**  
[72] PEDERSEN, DANIEL E., US  
[72] SILVERNAIL, CARTER M., US  
[72] WALTERS, KERRIE E., US  
[72] EMIRU, HILINA, US  
[71] ECOLAB USA INC., US  
[85] 2016-09-22  
[86] 2015-03-03 (PCT/US2015/018370)  
[87] (WO2015/148063)  
[30] US (14/225,039) 2014-03-25

[21] **2,943,623**  
[13] A1

[51] **Int.Cl. A61N 1/04 (2006.01) A61B 5/11 (2006.01) A61B 5/145 (2006.01) A61B 5/1455 (2006.01) A61B 5/22 (2006.01) G01N 33/50 (2006.01) G06F 19/00 (2011.01)**  
[25] EN  
[54] **BIOENERGETIC PROFILING OF CIRCULATING BLOOD CELLS AND SYSTEMS, DEVICES, AND METHODS RELATING THERETO**  
[54] **PROFILAGE BIOENERGETIQUE DE CELLULES DE SANG CIRCULANT ET SYSTEMES, DISPOSITIFS ET PROCEDES AFFERENTS**  
[72] MOLINA, ANTHONY J.A., US  
[72] WILLIAMSON, JEFF, US  
[72] KRITCHEVSKY, STEPHEN, US  
[71] WAKE FOREST UNIVERSITY HEALTH SCIENCES, US  
[85] 2016-09-22  
[86] 2015-04-07 (PCT/US2015/024795)  
[87] (WO2015/157345)  
[30] US (61/976,417) 2014-04-07  
[30] US (62/075,412) 2014-11-05

[21] **2,943,624**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**  
[25] EN  
[54] **FLUIDIC DEVICES, SYSTEMS, AND METHODS FOR ENCAPSULATING AND PARTITIONING REAGENTS, AND APPLICATIONS OF SAME**  
[54] **DISPOSITIFS FLUIDIQUES, SYSTEMES ET PROCEDES PERMETTANT D'ENCAPSULER ET DE SEPARER DES REACTIFS, ET LEURS APPLICATIONS**  
[72] BHARADWAJ, RAJIV, US  
[72] NESS, KEVIN, US  
[72] MITRA, DEBKISHORE, US  
[72] MASQUELIER, DONALD, US  
[72] MAKAREWICZ, ANTHONY, US  
[72] HINDSON, CHRISTOPHER, US  
[72] HINDSON, BENJAMIN, US  
[72] SAXONOV, SERGE, US  
[71] 10X GENOMICS, INC., US  
[85] 2016-09-22  
[86] 2015-04-09 (PCT/US2015/025197)  
[87] (WO2015/157567)  
[30] US (61/977,804) 2014-04-10

[21] **2,943,626**  
[13] A1

[51] **Int.Cl. C12Q 1/70 (2006.01) G01N 1/28 (2006.01) G01N 33/00 (2006.01) G01N 33/53 (2006.01)**  
[25] EN  
[54] **HPV16 ANTIBODIES AS DIAGNOSTIC AND PROGNOSTIC BIOMARKERS IN PRE-INVASIVE AND INVASIVE DISEASE**  
[54] **ANTICORPS ANTI-HPV16 UTILISES EN TANT QUE BIOMARQUEURS DIAGNOSTIQUES ET PRONOSTIQUES DANS UNE MALADIE INVASIVE ET PRE-INVASIVE**  
[72] ANDERSON, KAREN, US  
[72] UNGER, ELIZABETH, US  
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[85] 2016-09-22  
[86] 2015-03-19 (PCT/US2015/021563)  
[87] (WO2015/148273)  
[30] US (61/971,425) 2014-03-27

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[13] A1

[51] **Int.Cl. H02G 3/32 (2006.01) H02G 3/00 (2006.01) H02G 3/04 (2006.01)**  
[25] EN  
[54] **CRADLE CLAMP BRACKET ASSEMBLY**  
[54] **ENSEMBLE SUPPORT D'ATTACHE DE BERCEAU**  
[72] SYLVESTER, DAVID J., US  
[72] ROULEAU, RODNEY G., US  
[72] HILL, RAYMOND M., US  
[72] CROUSE, ANDREW, US  
[71] PANDUIT CORP., US  
[85] 2016-09-22  
[86] 2015-03-23 (PCT/US2015/021937)  
[87] (WO2015/148345)  
[30] US (61/970,143) 2014-03-25  
[30] US (14/664,278) 2015-03-20

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[21] **2,943,629**  
[13] A1

[51] **Int.Cl. E02F 9/26 (2006.01)**  
[25] EN  
[54] **BOOM CALIBRATION SYSTEM**  
[54] **SYSTEME D'ETALONNAGE DE FLECHE**  
[72] CLAXTON, RICHARD L., US  
[71] FLANDERS ELECTRIC MOTOR SERVICE, INC., US  
[85] 2016-09-22  
[86] 2015-04-16 (PCT/US2015/026082)  
[87] (WO2015/161021)  
[30] US (61/980,782) 2014-04-17  
[30] US (14/687,524) 2015-04-15

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[21] **2,943,630**  
[13] A1

[51] **Int.Cl. B62D 25/04 (2006.01)**  
[25] EN  
[54] **VEHICLE BODY SIDE STRUCTURE**  
[54] **STRUCTURE LATERALE DE CAISSE DE VEHICULE**  
[72] EMURA, MASAHIKO, JP  
[71] HONDA MOTOR CO., LTD., JP  
[85] 2016-09-22  
[86] 2015-03-23 (PCT/JP2015/058719)  
[87] (WO2015/146902)  
[30] JP (2014-061799) 2014-03-25

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[21] **2,943,633**  
[13] A1

[51] **Int.Cl. A01N 1/02 (2006.01) A61N 1/362 (2006.01) A61N 1/39 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR MAINTENANCE OF HARVESTED HEARTS FOR TRANSPLANTING**  
[54] **APPAREIL POUR CONSERVATION DE CŒURS PRELEVES POUR LA TRANSPLANTATION**  
[72] FREED, DARREN, CA  
[71] FREED, DARREN, CA  
[85] 2016-09-23  
[86] 2015-03-18 (PCT/CA2015/050201)  
[87] (WO2015/143552)  
[30] US (61/970,532) 2014-03-26

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[21] **2,943,634**  
[13] A1

[51] **Int.Cl. B62D 25/04 (2006.01)**  
[25] EN  
[54] **VEHICLE BODY SIDE STRUCTURE**  
[54] **STRUCTURE LATERALE DE CARROSSERIE DE VEHICULE**  
[72] EMURA, MASAHIKO, JP  
[71] HONDA MOTOR CO., LTD., JP  
[85] 2016-09-22  
[86] 2015-03-23 (PCT/JP2015/058725)  
[87] (WO2015/146903)  
[30] JP (2014-061874) 2014-03-25

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[21] **2,943,636**  
[13] A1

[51] **Int.Cl. G06F 19/20 (2011.01)**  
[25] EN  
[54] **DETECTION OF GENE FUSIONS BY INTRAGENIC DIFFERENTIAL EXPRESSION (IDE) USING AVERAGE CYCLE THRESHOLDS**  
[54] **DETECTION DE FUSIONS DE GENES PAR EXPRESSION DIFFERENTIELLE INTRAGENIQUE (IDE) A L'AIDE DE SEUILS DE CYCLE MOYEN**  
[72] CHENG, SHIH-MIN, US  
[71] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US  
[85] 2016-09-22  
[86] 2015-03-24 (PCT/US2015/022230)  
[87] (WO2015/148494)  
[30] US (61/969,897) 2014-03-25

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[21] **2,943,637**  
[13] A1

[51] **Int.Cl. E21B 17/06 (2006.01) E21B 17/042 (2006.01)**  
[25] EN  
[54] **SUCKER ROD SHEAR COUPLERS**  
[54] **COUPLEURS DE CISAILLEMENT DE TIGE DE POMPAGE**  
[72] WOLLMANN, ARNOLD, CA  
[72] SPARLING, WRAY, CA  
[72] DOYLE, JOHN, CA  
[72] BRASSARD, AARON, CA  
[71] INNOVATIVE TOOL TECHNOLOGY INC., CA  
[85] 2016-09-23  
[86] 2015-03-31 (PCT/CA2015/050257)  
[87] (WO2015/149174)  
[30] US (61/974,186) 2014-04-02  
[30] US (61/977,704) 2014-04-10  
[30] US (62/099,816) 2015-01-05

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[21] **2,943,638**  
[13] A1

[51] **Int.Cl. E21B 7/04 (2006.01)**  
[25] EN  
[54] **PRODUCTION ENHANCEMENT SYSTEM USING ROBOT DRILL FOR DRILLING MULTI-BRANCHED FISHBONE AND RADIAL MICROHOLES IN SHALE GAS RESERVOIR, AND METHOD THEREFOR**  
[54] **SYSTEME D'AMELIORATION DE PRODUCTION UTILISANT UN SYSTEME ROBOTIQUE POUR LE FORAGE DE MICRO-TROUS RADIAUX ET EN ARETES DE POISSONS MULTI-BRANCHES DANS UN RESERVOIR DE GAZ DE SCHISTE, ET PROCEDE CORRESPONDANT**  
[72] LIU, QINGYOU, CN  
[72] ZHU, HAIYAN, CN  
[72] TAO, LEI, CN  
[71] SOUTHWEST PETROLEUM UNIVERSITY, CN  
[71] XIHUA UNIVERSITY, CN  
[85] 2016-09-23  
[86] 2015-12-31 (PCT/CN2015/100360)  
[87] (WO2016/078627)  
[30] CN (201410665275.7) 2014-11-20  
[30] CN (201410665671.X) 2014-11-20

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[21] **2,943,639**  
[13] A1

[51] **Int.Cl. B65D 27/22 (2006.01)**  
[25] EN  
[54] **SEALABLE BAG**  
[54] **SAC SCELLABLE**  
[72] TAYLOR, PETER, CA  
[71] TAYLOR, PETER, CA  
[85] 2016-09-23  
[86] 2015-04-02 (PCT/CA2015/050267)  
[87] (WO2015/149183)  
[30] US (61/974,038) 2014-04-02

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[21] **2,943,640**  
[13] A1

[51] **Int.Cl. C12N 15/867 (2006.01)**  
[25] EN  
[54] **A RETROVIRAL VECTOR HAVING IMMUNE-STIMULATING ACTIVITY**  
[54] **VECTEUR RETROVIRAL A ACTIVITE DE STIMULATION IMMUNITAIRE**  
[72] GRUBER, HARRY E., US  
[72] JOLLY, DOUGLAS J., US  
[72] LIN, AMY H., US  
[72] ROBBINS, JOAN M., US  
[72] OSTERTAG, DEREK G., US  
[71] TOCAGEN INC., US  
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[51] **Int.Cl. G06Q 50/20 (2012.01) H04L 9/32 (2006.01)**  
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[54] **TRANSFER CREDIT EVALUATION SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE D'EVALUATION DES CREDITS TRANSFERES**  
[72] COSKER, TRACY, US  
[72] SIMPSON, JEREMY, US  
[72] SIMPSON, CAROLINE, US  
[72] ROY, CHRISTINE, US  
[72] SHISHKOV, NASKO, US  
[72] KUSICH, JOSH, US  
[72] PASSUT, JO, US  
[72] TODARO, DAN, US  
[72] SCOTT, ALLYN, US  
[71] AMERICAN PUBLIC UNIVERSITY SYSTEMS, INC., US  
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[86] 2015-03-24 (PCT/US2015/022234)  
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[54] **LIQUID AND GAS-IMPERMEABLE CONNECTIONS FOR PANELS OF STAY-IN-PLACE FORM-WORK SYSTEMS**  
[54] **LIQUIDE ET CONNEXIONS IMPERMEABLES AU GAZ POUR SYSTEMES DE PANNEAUX DE COFFRAGE FIXE**  
[72] RICHARDSON, GEORGE DAVID, CA  
[72] KRIVULIN, SEMION, CA  
[71] CFS CONCRETE FORMING SYSTEMS INC., CA  
[85] 2016-09-23  
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[25] EN  
[54] **HETEROCYCLIC COMPOUND**  
[54] **COMPOSE HETEROCYCLIQUE**  
[72] TSUKAMOTO, TETSUYA, JP  
[72] NAKADA, YOSHIHISA, JP  
[72] MOCHIZUKI, MICHIO, JP  
[72] TAKAI, TAKAFUMI, JP  
[72] YUKAWA, TOMOYA, JP  
[72] SHIOKAWA, ZENYU, JP  
[72] KATOH, TAISUKE, JP  
[72] SETOH, MASAKI, JP  
[72] SATO, AYUMU, JP  
[72] YUKAWA, TAKAFUMI, JP  
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP  
[85] 2016-09-22  
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[30] JP (2014-060927) 2014-03-24

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[54] **SUSPENSION COIL SPRING**  
[54] **RESSORT HELICOIDAL DE SUSPENSION**  
[72] ENOMOTO, HIDETO, JP  
[72] UMENO, JUN, JP  
[72] OKURA, KEN, JP  
[72] OHMURA, SHUJI, JP  
[71] NHK SPRING CO., LTD., JP  
[85] 2016-09-22  
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[25] EN  
[54] **METHOD FOR PRODUCING A FIELD GRADING MATERIAL WITH TAILORED PROPERTIES**  
[54] **PROCEDE DE PRODUCTION D'UN MATERIAU DE GRADIENT DE CHAMP AUX PROPRIETES SUR-MESURE**  
[72] SAVOIE, SYLVIO, CA  
[71] HYDRO-QUEBEC, CA  
[85] 2016-09-23  
[86] 2013-03-28 (PCT/CA2013/050252)  
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[51] **Int.Cl. G02F 1/13357 (2006.01) G02F 1/01 (2006.01)**  
[25] EN  
[54] **HIGH PERFORMANCE SEAMLESS LIGHT EMITTING DIODE ILLUMINATED DISPLAY**  
[54] **DISPOSITIF D'AFFICHAGE ECLAIRE PAR DIODES ELECTROLUMINESCENTES SANS SOUDURE A HAUTE PERFORMANCE**  
[72] KITAI, ADRIAN, CA  
[71] MACMASTER UNIVERSITY, CA  
[85] 2016-09-23  
[86] 2015-04-07 (PCT/CA2015/050278)  
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[30] US (61/975,393) 2014-04-04

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[25] EN  
[54] **MOLTEN METAL STIRRING DEVICE AND MOLTEN METAL TRANSFER DEVICE**  
[54] **DISPOSITIF D'AGITATION DE METAL EN FUSION ET DISPOSITIF DE TRANSFERT DE METAL EN FUSION**  
[72] TAKAHASHI, KENZO, JP  
[71] TAKAHASHI, KENZO, JP  
[85] 2016-09-22  
[86] 2015-03-26 (PCT/JP2015/059392)  
[87] (WO2015/147170)  
[30] JP (2014-066995) 2014-03-27

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[13] A1

[51] **Int.Cl. B22F 9/26 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING NICKEL POWDER**  
[54] **PROCEDE DE PRODUCTION DE POUDERE DE NICKEL**  
[72] YANAGISAWA, KAZUMICHI, JP  
[72] ZHANG, JUNHAO, JP  
[72] TAKAISHI, KAZUYUKI, JP  
[72] YONEYAMA, TOMOAKI, JP  
[72] HEGURI, SHIN-ICHI, JP  
[72] OHARA, HIDEKI, JP  
[72] IKEDA, OSAMU, JP  
[72] KUDO, YOHEI, JP  
[72] OZAKI, YOSHITOMO, JP  
[71] KOCHI UNIVERSITY, NATIONAL UNIVERSITY CORPORATION, JP  
[71] SUMITOMO METAL MINING CO., LTD., JP  
[85] 2016-09-22  
[86] 2015-03-24 (PCT/JP2015/058941)  
[87] (WO2015/146989)  
[30] JP (2014-063106) 2014-03-26  
[30] JP (2014-155547) 2014-07-30  
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[25] EN  
[54] **HOT-STAMPED STEEL**  
[54] **MATERIAU D'ACIER D'ESTAMPAGE A CHAUD**  
[72] SENGOKU, AKIHIRO, JP  
[72] TAKEBAYASHI, HIROSHI, JP  
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2016-09-22  
[86] 2015-03-31 (PCT/JP2015/060185)  
[87] (WO2015/152263)  
[30] JP (2014-073811) 2014-03-31

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[13] A1

[51] **Int.Cl. H04B 7/04 (2006.01)**  
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[54] **PRECODING MATRIX INDICATOR FEEDBACK METHOD, RECEIVING METHOD, AND APPARATUS**  
[54] **PROCEDES ET APPAREILS DE RENVOI ET DE RECEPTION D'INDICATEUR DE MATRICE DE PRECODAGE**  
[72] ZHANG, LEIMING, CN  
[72] WU, QIANG, CN  
[72] LIU, JIANGHUA, CN  
[71] HUawei TECHNOLOGIES CO., LTD., CN  
[85] 2016-09-23  
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[13] A1

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[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
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[25] EN  
[54] **USER DEVICE; ACCESS NODE DEVICE, CENTRAL NETWORK CONTROLLER AND CORRESPONDING METHODS**  
[54] **DISPOSITIF UTILISATEUR, DISPOSITIF N□UD D'ACCES, CONTROLEUR DE RESEAU CENTRAL, ET PROCEDES CORRESPONDANTS**  
[72] KELA, PETTERI, SE  
[72] SALMI, JUSSI, SE  
[72] LEPPANEN, KARI, SE  
[71] HUAWEI TECHNOLOGIES CO., LTD, CN  
[85] 2016-09-23  
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[13] A1

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[54] **SPIRIT LEVEL HAVING REFLECTION BUBBLE**  
[54] **NIVEAU A BULLE REFLECHISSANTE**  
[72] CHI, XIAOHENG, CN  
[71] HANGZHOU GREAT STAR TOOLS CO., LTD., CN  
[71] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN  
[85] 2016-09-23  
[86] 2014-03-24 (PCT/CN2014/073965)  
[87] (WO2015/143608)

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[13] A1

[51] **Int.Cl. H02P 6/24 (2006.01)**  
[25] EN  
[54] **BRAKING TORQUE CLOSED-LOOP CONTROL SYSTEM AND METHOD FOR SWITCH RELUCTANCE MOTOR**  
[54] **SYSTEME DE COMMANDE EN CIRCUIT FERME DE COUPLE DE FREINAGE ET PROCEDE POUR MOTEUR A RELUCTANCE COMMUTEE**  
[72] CHEN, HAO, CN  
[72] CHENG, HE, CN  
[72] YANG, ZHOU, CN  
[72] WANG, QING, CN  
[72] WANG, QIANLONG, CN  
[72] WANG, XING, CN  
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN  
[85] 2016-09-23  
[86] 2015-11-30 (PCT/CN2015/095906)  
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[30] CN (201410773037.8) 2014-12-15

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[13] A1

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[25] EN  
[54] **CARBOXYLATE ESTER OF POLYSACCHARIDE**  
[54] **ESTER CARBOXYLATE DE POLYSACCHARIDE**  
[72] SHABELINA, NATALIA, DE  
[72] WITTELER, HELMUT, DE  
[72] DETERING, JURGEN, DE  
[72] SCHNEIDER, ULRICH, DE  
[72] NEUMANN, JESSICA, DE  
[71] BASF SE, DE  
[85] 2016-09-23  
[86] 2015-03-11 (PCT/EP2015/055056)  
[87] (WO2015/144438)  
[30] EP (14161502.1) 2014-03-25

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[13] A1

[51] **Int.Cl. B65D 47/06 (2006.01) B65D 47/20 (2006.01) B65D 53/02 (2006.01) B65D 55/02 (2006.01)**  
[25] EN  
[54] **BEVERAGE CONTAINER FOR INJECTING BEVERAGE THROUGH BOTTOM THEREOF**  
[54] **RECIPIENT POUR BOISSON PERMETTANT D'INJECTER UNE BOISSON A TRAVERS LE FOND DE CELUI-CI**  
[72] PARK, SUK JOONG, KR  
[72] LEE, SI HAENG, KR  
[71] NPC CO., LTD., KR  
[71] JRP CORPORATION, KR  
[85] 2016-09-22  
[86] 2014-11-13 (PCT/KR2014/010904)  
[87] (WO2016/006771)  
[30] KR (10-2014-0085888) 2014-07-09

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[13] A1

[51] **Int.Cl. B25B 11/00 (2006.01) B25H 1/08 (2006.01) B25H 1/10 (2006.01)**  
[25] EN  
[54] **DOOR PAINTING ASSEMBLY**  
[54] **ENSEMBLE DE PEINTURE DE PORTE**  
[72] WATERSTON, STEVE, CA  
[71] WATERSTON, STEVE, CA  
[85] 2016-09-23  
[86] 2015-02-18 (PCT/CA2015/000094)  
[87] (WO2015/149150)  
[30] US (14/242,991) 2014-04-02

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[13] A1

[51] **Int.Cl. H04N 19/102 (2014.01) A61B 8/00 (2006.01)**  
[25] EN  
[54] **ADAPTIVE DEMODULATION METHOD AND APPARATUS FOR ULTRASOUND IMAGE**  
[54] **PROCEDE ET APPAREIL DE DEMODULATION ADAPTATIVE POUR UNE IMAGE ULTRASONORE**  
[72] YOON, HEE-CHUL, KR  
[72] JEON, KANG-WON, KR  
[72] PARK, YONG-SUP, KR  
[72] LEE, HYUN-TAEK, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2016-09-22  
[86] 2015-03-17 (PCT/KR2015/002549)  
[87] (WO2015/147471)  
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[25] EN  
[54] **METHOD FOR MODULATING GALACTOSYLATION OF RECOMBINANT PROTEIN THROUGH OPTIMIZATION OF CULTURE MEDIUM**  
[54] **PROCEDE POUR REGULER LA GALACTOSYLATION D'UNE PROTEINE RECOMBINANTE PAR OPTIMISATION DU MILIEU DE CULTURE**  
[72] JUNG, JUN, KR  
[72] SONG, WON SEOK, KR  
[72] LEE, JUN EOK, KR  
[72] KIM, YEON CHUL, KR  
[71] LG LIFE SCIENCES LTD., KR  
[85] 2016-07-28  
[86] 2015-01-29 (PCT/KR2015/000997)  
[87] (WO2015/115849)  
[30] KR (10-2014-0011229) 2014-01-29

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[13] A1

[51] **Int.Cl. E05B 13/00 (2006.01) E05B 15/00 (2006.01)**  
[25] EN  
[54] **HANDLE-EQUIPPED LOCK**  
[54] **SERRURE EQUIPEE D'UNE POIGNEE**  
[72] EK, TOMI, FI  
[71] OVIKU OY, FI  
[85] 2016-09-23  
[86] 2014-04-10 (PCT/FI2014/050260)  
[87] (WO2014/167187)  
[30] FI (20135350) 2013-04-10  
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[13] A1

[51] **Int.Cl. G10L 19/008 (2013.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR RENDERING ACOUSTIC SIGNAL, AND COMPUTER-READABLE RECORDING MEDIUM**  
[54] **PROCEDE ET APPAREIL DE RENDU DE SIGNAL ACOUSTIQUE, ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR**  
[72] CHON, SANG-BAE, KR  
[72] KIM, SUN-MIN, KR  
[72] JO, HYUN, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2016-09-22  
[86] 2015-03-24 (PCT/KR2015/002891)  
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[30] US (61/969,357) 2014-03-24

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[13] A1

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[25] EN  
[54] **METHOD FOR BLOW MOLDING METAL CONTAINERS**  
[54] **PROCEDE DE MOULAGE PAR SOUFFLAGE DE RECIPIENTS METALLIQUES**  
[72] PILON, BETTY JEAN, CA  
[72] STATHOPOULOS, PETER, CA  
[72] GEORGIEV, GEORGI (DECEASED), CA  
[72] PILON, BENJAMIN JOSEPH, CA  
[71] PILON, BETTY JEAN, CA  
[71] STATHOPOULOS, PETER, CA  
[71] PILON, BENJAMIN JOSEPH, CA  
[71] MONTEBELLO TECHNOLOGY SERVICES LTD., CA  
[85] 2016-09-23  
[86] 2015-03-24 (PCT/CA2015/000180)  
[87] (WO2015/143540)  
[30] US (61/970,103) 2014-03-25

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[13] A1

[51] **Int.Cl. G01N 21/49 (2006.01) G01N 33/04 (2006.01)**  
[25] FR  
[54] **METHOD FOR ESTIMATING DENATURED SERUM PROTEINS IN MILK**  
[54] **PROCEDE D'ESTIMATION DES PROTEINES SERIQUES DENATUREES DANS UN LAIT**  
[72] BIRLOUEZ, INES, FR  
[72] LACOTTE, PIERRE, FR  
[72] ACHARID, ABDELHAQ, FR  
[71] SPECTRALYS INNOVATION, FR  
[85] 2016-09-22  
[86] 2015-03-25 (PCT/IB2015/052196)  
[87] (WO2015/150982)  
[30] FR (1452818) 2014-03-31

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[13] A1

[51] **Int.Cl. A61K 8/27 (2006.01) A61K 8/19 (2006.01) A61K 8/97 (2006.01) A61Q 19/00 (2006.01)**  
[25] EN  
[54] **COSMETIC COMPOSITION FOR SKIN MOISTURIZATION CONTAINING MINERALS AND QUINOA EXTRACT**  
[54] **COMPOSITION COSMETIQUE POUR HYDRATER LA PEAU A BASE DE MINERAUX ET D'EXTRAIT DE QUINOA**  
[72] LEE, JIN YOUNG, KR  
[72] LEE, SUNG HOON, KR  
[72] KWON, LEE KYOUNG, KR  
[72] PAIK, BYUNG RYOL, KR  
[72] LEE, HAE KWANG, KR  
[71] AMOREPACIFIC CORPORATION, KR  
[85] 2016-09-22  
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[87] (WO2015/147567)  
[30] KR (10-2014-0037143) 2014-03-28

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[51] **Int.Cl. C09K 8/584 (2006.01) B01F 17/00 (2006.01) C07C 229/26 (2006.01) C10G 75/02 (2006.01)**

[25] EN

[54] **BRANCHED GEMINAL ZWITTERIONIC LIQUIDS, OBTAINING PROCESS AND THEIR USAGE AS WETTABILITY MODIFIERS HAVING VISCOSITY REDUCING PROPERTIES**

[54] **LIQUIDES ZWITTERIONIQUES GEMINAUX RAMIFIES, PROCEDE D'OBTENTION ET UTILISATION EN TANT QU'AGENTS MODIFICATEURS DE LA MOUILLABILITE PRESENTANT DES PROPRIETES DE REDUCTION DE LA VISCOSITE**

[72] RAMIREZ PEREZ, JORGE FRANCISCO, MX

[72] HERNANDEZ ALTAMIRANO, RAUL, MX

[72] MENA CERVANTES, VIOLETA YASMIN, MX

[72] ZAMUDIO RIVERA, LUIS SILVESTRE, MX

[72] CISNEROS DEVORA, RODOLFO, MX

[72] OVIEDO ROA, RAUL, MX

[72] CARTAS ROSADO, ANA ROCIO, MX

[72] RAMIREZ ESTRADA, ALEJANDRO, MX

[71] INSTITUTO MEXICANO DEL PETROLEO, MX

[85] 2016-09-22

[86] 2015-05-21 (PCT/MX2015/000077)

[87] (WO2015/178753)

[30] MX (MX/a/2014/006223) 2014-05-23

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[13] A1

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[54] **HUMANIZED ANTI-TF-ANTIGEN ANTIBODIES**

[54] **ANTICORPS HUMANISES ANTI-ANTIGENE TF**

[72] RITTENHOUSE-OLSON, KATE, US

[72] ABDULLAH, JULIA, US

[72] ENG, JING YING, MY

[72] KOURY, STEPHEN T., US

[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US

[85] 2016-09-22

[86] 2015-04-20 (PCT/US2015/026595)

[87] (WO2015/161311)

[30] US (61/981,240) 2014-04-18

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[13] A1

[51] **Int.Cl. A61M 5/46 (2006.01) A61M 25/01 (2006.01) A61M 25/06 (2006.01)**

[25] EN

[54] **CATHETER INSERTION DEVICE**

[54] **DISPOSITIF D'INTRODUCTION DE CATHETER**

[72] COLE, RUSSELL, US

[72] CREIGHTON, MICHAEL, US

[72] REUTHER, GARY, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2016-09-22

[86] 2015-04-23 (PCT/US2015/027369)

[87] (WO2015/164655)

[30] US (61/983,982) 2014-04-24

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[13] A1

[51] **Int.Cl. A46B 3/04 (2006.01) A46D 1/00 (2006.01)**

[25] EN

[54] **A PROCESS FOR PRODUCING AN OVERMOLDED BRUSH STRIP**

[54] **PROCEDE DE FABRICATION D'UNE BANDE DE BROSE SURMOULEE**

[72] FOOK YUEN, LEE, MY

[71] FOOK YUEN, LEE, MY

[85] 2016-09-22

[86] 2015-03-24 (PCT/MY2015/050017)

[87] (WO2015/147631)

[30] MY (PI2014700697) 2014-03-24

[21] **2,943,692**  
[13] A1

[51] **Int.Cl. A61M 25/09 (2006.01)**

[25] EN

[54] **KINK-RESISTANT GUIDEWIRE WITH IMPROVED RIGIDITY**

[54] **FIL-GUIDE RESISTANT AU PLIAGE AYANT UNE RIGIDITE AMELIOREE**

[72] GOLDMAN, DAVID, US

[72] DOLGIN, MICHAEL, US

[71] C.R. BARD, INC., US

[85] 2016-09-22

[86] 2015-04-29 (PCT/US2015/028366)

[87] (WO2015/168335)

[30] US (61/985,887) 2014-04-29

[21] **2,943,697**  
[13] A1

[51] **Int.Cl. H04W 74/00 (2009.01) H04W 16/28 (2009.01) H04W 72/04 (2009.01) H01Q 3/00 (2006.01) H04B 7/08 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR BEAM-BASED PHYSICAL RANDOM-ACCESS**

[54] **SYSTEME ET PROCEDE POUR UN ACCES ALEATOIRE PHYSIQUE BASE SUR UN FAISCEAU**

[72] FRENNE, MATTIAS, SE

[72] ZHANG, QIANG, SE

[72] SAHLIN, HENRIK, SE

[72] PARKVALL, STEFAN, SE

[72] FURUSKOG, JOHAN, SE

[72] ANDERSSON, HAKAN, SE

[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE

[85] 2016-09-22

[86] 2014-08-27 (PCT/SE2014/050986)

[87] (WO2015/147717)

[30] US (61/970,145) 2014-03-25

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[21] **2,943,702**  
[13] A1

[51] **Int.Cl. B65D 83/08 (2006.01) A47K 7/00 (2006.01) A47K 10/20 (2006.01)**

[25] EN

[54] **WOOD STAINING AND FINISHING WIPES AND METHOD OF MANUFACTURING SAME**

[54] **CHIFFONS DE TEINTURE ET DE FINITION DE BOIS ET LEUR PROCEDE DE FABRICATION**

[72] FLETCHER, ADRIEN, US

[72] TURNER, JEFF, US

[71] THE SHERWIN-WILLIAMS COMPANY, US

[85] 2016-09-22

[86] 2014-03-31 (PCT/US2014/032431)

[87] (WO2015/152892)

[21] **2,943,704**  
[13] A1

[51] **Int.Cl. A61K 31/357 (2006.01) A61K 31/70 (2006.01) A61K 31/7034 (2006.01) A61K 31/7042 (2006.01) A61K 31/7048 (2006.01) A61K 31/7056 (2006.01) A61K 47/16 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 3/10 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 9/12 (2006.01) A61P 19/00 (2006.01)**

[25] EN

[54] **TREATMENT OF METABOLIC DISORDERS IN EQUINE ANIMALS**

[54] **TRAITEMENT DE TROUBLES METABOLIQUES CHEZ LES EQUIDES**

[72] REICHE, DANIA BIRTE, DE

[72] MOHREN, NICOLE, DE

[72] JOHNSTON, LAURA, DE

[72] SOMMERVILLE, BRUCE, US

[72] VOTH, REBECCA K., US

[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE

[85] 2016-09-23

[86] 2015-03-30 (PCT/EP2015/056840)

[87] (WO2015/150299)

[30] EP (14162983.2) 2014-04-01

[30] EP (14176714.5) 2014-07-11

[30] EP (14187223.4) 2014-10-01

[21] **2,943,705**  
[13] A1

[51] **Int.Cl. A61K 31/7088 (2006.01) C12N 15/113 (2010.01) A61K 31/7125 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR MODULATING PKK EXPRESSION**

[54] **COMPOSITIONS ET PROCEDES DE MODULATION DE L'EXPRESSION DE PKK**

[72] PRAKASH, THAZHA P., US

[72] SETH, PUNIT P., US

[72] SWAYZE, ERIC E., US

[72] FREIER, SUSAN M., US

[72] BUI, HUYNH-HOA, US

[71] IONIS PHARMACEUTICALS, INC., US

[85] 2016-09-22

[86] 2015-05-01 (PCT/US2015/028765)

[87] (WO2015/168532)

[30] US (61/987,478) 2014-05-01

[30] US (62/058,629) 2014-10-01

[30] US (62/088,459) 2014-12-05

[21] **2,943,707**  
[13] A1

[51] **Int.Cl. C12N 5/07 (2010.01) A61K 39/00 (2006.01) C12P 21/04 (2006.01) C12P 21/08 (2006.01)**

[25] EN

[54] **PRODUCTION OF HETEROMULTIMERIC PROTEINS USING MAMMALIAN CELLS**

[54] **PRODUCTION DE PROTEINES HETEROMULTIMERES AU MOYEN DE CELLULES MAMMALIENNES**

[72] SCHEER, JUSTIN, US

[72] SHATZ, WHITNEY, US

[72] NG, DOMINGOS, US

[71] GENENTECH, INC., US

[85] 2016-09-22

[86] 2015-05-06 (PCT/US2015/029546)

[87] (WO2015/171822)

[30] US (61/989,509) 2014-05-06

[21] **2,943,709**  
[13] A1

[51] **Int.Cl. A61M 5/142 (2006.01)**

[25] EN

[54] **CATHETER INSERTION DEVICE**

[54] **DISPOSITIF D'INTRODUCTION DE CATHETER**

[72] COLE, RUSSELL, US

[72] CREIGHTON, MICHAEL, US

[72] KLOTZ, ARTHUR, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2016-09-22

[86] 2015-04-23 (PCT/US2015/027365)

[87] (WO2015/164651)

[30] US (61/983,983) 2014-04-24

[21] **2,943,713**  
[13] A1

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

[25] EN

[54] **BLENDING SEARCH RESULTS ON ONLINE SOCIAL NETWORKS**

[54] **MELANGE DE RESULTATS DE RECHERCHE SUR DES RESEAUX SOCIAUX EN LIGNE**

[72] KUMAR, GIRISH, US

[72] KESTEN, YUVAL, US

[72] LI, XIAO, US

[72] LOPIANO, FABIO, US

[71] FACEBOOK, INC., US

[85] 2016-09-22

[86] 2014-04-04 (PCT/US2014/032921)

[87] (WO2015/152936)

[30] US (14/244,748) 2014-04-03

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| [51] <b>Int.Cl. F02N 11/10 (2006.01) F02D 41/06 (2006.01) F02D 41/22 (2006.01) F02N 7/08 (2006.01) F02N 15/10 (2006.01)</b>                                  | [51] <b>Int.Cl. C09K 8/52 (2006.01)</b>   | [51] <b>Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 47/02 (2006.01) A61K 47/30 (2006.01)</b> |
| [25] EN  | [25] EN   | [25] EN   |
| [54] <b>METHOD FOR SLOW STARTING A RECIPROCATING ENGINE WITH A PNEUMATIC STARTER WHILE DIAGNOSING THE PRESENCE OF A HYDROSTATIC LOCK</b>                     | [54] <b>MULTI-TAIL HYDRATE INHIBITORS</b>                                       | [54] <b>ABUSE DETERRENT IMMEDIATE RELEASE BIPHASIC MATRIX SOLID DOSAGE FORM</b>   |
| [54] <b>PROCEDE POUR LE DEMARRAGE D'UN MOTEUR A VA-ET-VIENT AVEC UN DEMARREUR PNEUMATIQUE PENDANT LE DIAGNOSTIC DE LA PRESENCE D'UN VERROU HYDROSTATIQUE</b> | [54] <b>INHIBITEURS D'HYDRATES A QUEUES MULTIPLES</b>                           | [54] <b>FORME GALENIQUE SOLIDE DE MATRICE BIPHASIQUE A LIBERATION IMMEDIATE ET DISSUASIVE D'ABUS</b>                      |
| [72] LILIE, JAMES ANDREW, US   | [72] ZHAO, FUNIAN, US   | [72] DHARMADHIKARI NITIN  |
| [72] KEMP, BRIAN CHRISTOPHER, US   | [72] SUN, YANQIU, US  | [72] BHALACHANDRA, NITIN, IN  |
| [72] ZALUSKY, JAMES THOMAS, US   | [72] QU, LIANGWEI, US   | [72] ZALA YASHORAJ, YASHORAJ, IN  |
| [71] GE AVIATION SYSTEMS LLC, US   | [72] ACOSTA, ERICK J., US   | [72] SHANGHVI DILIP, DILIP, IN  |
| [85] 2016-09-22  | [71] MULTI-CHEM GROUP, LLC, US  | [71] SUN PHARMA ADVANCED RESEARCH COMPANY LTD., IN  |
| [86] 2014-04-07 (PCT/US2014/033174)  | [85] 2016-09-22   | [85] 2016-09-23   |
| [87] (WO2015/156761)   | [86] 2014-05-05 (PCT/US2014/036747)   | [86] 2015-03-25 (PCT/IN2015/000141)   |
|  | [87] (WO2015/171106)  | [87] (WO2015/145461)  |
|  |   | [30] IN (1041/MUM/2014) 2014-03-26  |
|  |   | [30] IN (2378/MUM/2014) 2014-07-23  |
|  |   | [30] IN (2917/MUM/2014) 2014-09-13  |
|  |   | [30] IN (74/MUM/2015) 2015-01-08  |
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|  | [21] <b>2,943,721</b><br>[13] A1  |   |
|  | [51] <b>Int.Cl. A61M 5/32 (2006.01) A61M 5/34 (2006.01) A61M 5/50 (2006.01)</b> |   |
|  | [25] EN   |   |
|  | [54] <b>GAS RELEASE CELL</b>  |   |
|  | [54] <b>CELLULE DE LIBERATION DE GAZ</b>  |   |
|  | [72] ANDERSEN, ALLAN, US  |   |
|  | [72] MATTHEWS, LIONEL STUART, CA  |   |
|  | [72] CASTANON, SCOTT E., US   |   |
|  | [71] L.O.M. LABORATORIES INC., CA   |   |
|  | [85] 2016-09-23   |   |
|  | [86] 2014-03-26 (PCT/IB2014/060187)   |   |
|  | [87] (WO2015/145207)  |   |
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|  |   | [21] <b>2,943,734</b><br>[13] A1  |
|  |   | [51] <b>Int.Cl. A61L 31/00 (2006.01) C07K 9/00 (2006.01)</b>  |
|  |   | [25] EN   |
|  |   | [54] <b>HEMOSTATIC PHARMACEUTICAL COMPOSITION</b>   |
|  |   | [54] <b>COMPOSITION PHARMACEUTIQUE HEMOSTATIQUE</b>   |
|  |   | [72] SAIJO, HAYATO, JP  |
|  |   | [72] OCHIAI, HIROFUMI, JP   |
|  |   | [72] SHIMODA, TAIJI, JP   |
|  |   | [71] OTSUKA CHEMICAL CO., LTD., JP  |
|  |   | [85] 2016-09-23   |
|  |   | [86] 2014-08-06 (PCT/JP2014/070703)   |
|  |   | [87] (WO2015/145797)  |
|  |   | [30] JP (2014-068333) 2014-03-28  |
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| [21] <b>2,943,717</b><br>[13] A1                              |  |  |
| [51] <b>Int.Cl. C13B 35/02 (2011.01) C08B 15/00 (2006.01)</b> |  |  |
| [25] EN   |  |  |
| [54] <b>METHOD FOR MIXED BIOMASS HYDROLYSIS</b>               |  |  |
| [54] <b>PROCEDE D'HYDROLYSE DE BIOMASSE MIXTE</b>             |  |  |
| [72] COLAKYAN, MANUK, US                                      |  |  |
| [72] JARA-MORENO, RORY HERNAN, US                             |  |  |
| [71] RENMATIX, INC., US                                       |  |  |
| [85] 2016-09-22   |  |  |
| [86] 2014-04-22 (PCT/US2014/034902)                           |  |  |
| [87] (WO2015/163851)  |  |  |

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[13] A1

[51] **Int.Cl. B01J 23/20 (2006.01) B01J 21/06 (2006.01) B01J 37/18 (2006.01) H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 4/90 (2006.01)**

[25] EN

[54] **OXYGEN REDUCTION CATALYST AND PRODUCTION METHOD THEREFOR**

[54] **CATALYSEUR DE REDUCTION D'OXYGENE ET SON PROCEDE DE PRODUCTION**

[72] OTA, KENICHIRO, JP

[72] ISHIHARA, AKIMITSU, JP

[72] MITSUSHIMA, SHIGENORI, JP

[72] HAMAZAKI, MAKOTO, JP

[71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP

[85] 2016-09-23

[86] 2015-02-27 (PCT/JP2015/055966)

[87] (WO2015/146490)

[30] JP (2014-062643) 2014-03-25

[21] **2,943,745**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01) G06F 17/20 (2006.01)**

[25] EN

[54] **IMPROVED METHOD, SYSTEM AND SOFTWARE FOR SEARCHING, IDENTIFYING, RETRIEVING AND PRESENTING ELECTRONIC DOCUMENTS**

[54] **PROCEDE, SYSTEME ET LOGICIEL AMELIORES POUR LA RECHERCHE, L'IDENTIFICATION, LA RECUPERATION ET LA PRESENTATION DE DOCUMENTS ELECTRONIQUES**

[72] RYGER, RAPHAEL SHMUEL, US

[72] SUVOROVA, EKATERINA, US

[71] THOMSON REUTERS GLOBAL RESOURCES, CH

[85] 2016-09-21

[86] 2015-03-30 (PCT/US2015/023431)

[87] (WO2015/153512)

[30] US (61/972,300) 2014-03-29

[30] US (61/972,272) 2014-03-29

[21] **2,943,747**  
[13] A1

[51] **Int.Cl. G05B 19/4099 (2006.01) B29C 67/00 (2006.01) G03F 7/00 (2006.01) G06F 17/50 (2006.01)**

[25] EN

[54] **METHOD AND EQUIPMENT FOR GENERATING A NUMERICAL REPRESENTATION OF A THREE-DIMENSIONAL OBJECT, SAID NUMERICAL REPRESENTATION BEING SUITED TO BE USED FOR MAKING SAID THREE-DIMENSIONAL OBJECT THROUGH STEREO LITHOGRAPHY**

[54] **PROCEDE ET APPAREILLAGE POUR LA PRODUCTION D'UNE REPRESENTATION NUMERIQUE D'UN OBJET TRIDIMENSIONNEL, LADITE REPRESENTATION NUMERIQUE ETANT APPROPRIEE POUR ETRE UTILISEE POUR LA FABRICATION DUDIT OBJET TRIDIMENSIONNEL PAR STEREO LITHOGRAPHIE**

[72] MAROZIN, ALESSANDRO, IT

[71] DWS S.R.L., IT

[85] 2016-09-23

[86] 2015-03-20 (PCT/IB2015/052066)

[87] (WO2015/145320)

[30] IT (VI2014A000067) 2014-03-24

[21] **2,943,748**  
[13] A1

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

[25] EN

[54] **TAPE MEASURE**

[54] **MESURE DE BANDE**

[72] SCARBOROUGH, DANE, US

[71] SCARBOROUGH, DANE, US

[85] 2016-09-23

[86] 2014-03-26 (PCT/US2014/031917)

[87] (WO2014/160809)

[30] US (61/805,294) 2013-03-26

[21] **2,943,749**  
[13] A1

[51] **Int.Cl. G01K 7/00 (2006.01) G01K 11/00 (2006.01) G01N 22/00 (2006.01)**

[25] EN

[54] **METHOD FOR MEASURING INTERNAL TEMPERATURE OF FREEZING TARGET OBJECT AND INTERNAL TEMPERATURE MEASUREMENT DEVICE FOR FREEZING TARGET OBJECT**

[54] **PROCEDE DE MESURE DE LA TEMPERATURE INTERNE D'UN OBJET A CONGELER ET DISPOSITIF DE MESURE DE LA TEMPERATURE INTERNE D'UN OBJET A CONGELER**

[72] KONO, SHINJI, JP

[72] HATTORI, KAZUHIRO, JP

[71] MAYEKAWA MFG. CO., LTD., JP

[85] 2016-09-23

[86] 2015-03-12 (PCT/JP2015/057234)

[87] (WO2015/146600)

[30] JP (2014-068492) 2014-03-28

[21] **2,943,751**  
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01)**

[25] EN

[54] **SYSTEMIC DELIVERY OF VIRUS VECTORS ENCODING UROCORTIN-2 AND RELATED GENES TO TREAT DIABETES-RELATED CARDIAC DYSFUNCTION AND CONGESTIVE HEART FAILURE**

[54] **ADMINISTRATION SYSTEMIQUE DE VECTEURS DE VIRUS CODANT POUR L'UROCORTINE-2 ET GENES ASSOCIES POUR TRAITER UN DYSFONCTIONNEMENT CARDIAQUE LIE AU DIABETE ET UNE INSUFFISANCE CARDIAQUE CONGESTIVE**

[72] HAMMOND, H. KIRK, US

[72] GAO, MEI HUA, US

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

[85] 2016-09-23

[86] 2015-04-03 (PCT/IB2015/000771)

[87] (WO2015/150914)

[30] US (61/974,662) 2014-04-03

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[13] A1

[51] **Int.Cl. G01S 15/89 (2006.01) G01S 7/52 (2006.01)**  
[25] FR  
[54] **SONAR A ANTENNE SYNTHETIQUE ET PROCEDE DE FORMATION DE VOIES D'ANTENNE SYNTHETIQUE**  
[54] **SYNTHETIC ANTENNA SONAR AND METHOD FOR FORMING SYNTHETIC ANTENNA BEAMS**  
[72] BURLET, NICOLAS, FR  
[72] MANDELERT, NICOLAS, FR  
[72] GUTHMANN, PIERRE, FR  
[71] THALES, FR  
[85] 2016-09-14  
[86] 2015-03-13 (PCT/EP2015/055334)  
[87] (WO2015/136089)  
[30] FR (1400614) 2014-03-14

[21] **2,943,760**  
[13] A1

[51] **Int.Cl. B62K 5/10 (2013.01) B62K 5/05 (2013.01)**  
[25] EN  
[54] **SADDLE RIDING TYPE VEHICLE**  
[54] **VEHICULE A SELLE**  
[72] SHIBUYA, YU, JP  
[72] KAIEDA, TAKASHI, JP  
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP  
[85] 2016-09-23  
[86] 2015-03-16 (PCT/JP2015/057635)  
[87] (WO2015/146660)  
[30] JP (2014-060804) 2014-03-24

[21] **2,943,761**  
[13] A1

[51] **Int.Cl. B62K 5/08 (2006.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01)**  
[25] EN  
[54] **SADDLE RIDING TYPE VEHICLE**  
[54] **VEHICULE DE TYPE A SELLE**  
[72] HARA, NOBUO, JP  
[72] SHIBUYA, YU, JP  
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP  
[85] 2016-09-23  
[86] 2015-03-16 (PCT/JP2015/057731)  
[87] (WO2015/146679)  
[30] JP (2014-060197) 2014-03-24

[21] **2,943,765**  
[13] A1

[51] **Int.Cl. B62K 5/08 (2006.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01)**  
[25] EN  
[54] **SADDLE RIDING TYPE VEHICLE**  
[54] **VEHICULE A SELLE**  
[72] HARA, NOBUO, JP  
[72] SHIBUYA, YU, JP  
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP  
[85] 2016-09-23  
[86] 2015-03-16 (PCT/JP2015/057735)  
[87] (WO2015/146680)  
[30] JP (2014-060199) 2014-03-24

[21] **2,943,767**  
[13] A1

[51] **Int.Cl. B01D 65/02 (2006.01) B01D 61/14 (2006.01) B01D 65/06 (2006.01) B01D 69/08 (2006.01) C02F 1/44 (2006.01)**  
[25] EN  
[54] **METHOD FOR OPERATING SEPARATION MEMBRANE MODULE**  
[54] **PROCEDE DE FONCTIONNEMENT DE MODULE DE MEMBRANE DE SEPARATION**  
[72] KANAMORI, SATOKO, JP  
[72] NISHIO, AYA, JP  
[72] TAKEUCHI, NORIHIRO, JP  
[71] TORAY INDUSTRIES, INC., JP  
[85] 2016-09-23  
[86] 2015-03-24 (PCT/JP2015/058942)  
[87] (WO2015/146990)  
[30] JP (2014-060640) 2014-03-24

[21] **2,943,770**  
[13] A1

[51] **Int.Cl. F41H 5/26 (2006.01) F41G 3/22 (2006.01) F41H 5/18 (2006.01)**  
[25] FR  
[54] **OPTOELECTRONIC VIEWFINDER WITH MODULAR SHIELDING**  
[54] **VISEUR OPTRONIQUE A BLINDAGE MODULABLE**  
[72] BOEHM, BERNARD, FR  
[72] HAUZANNEAU, FABIEN, FR  
[71] SAFRAN ELECTRONICS & DEFENSE, FR  
[85] 2016-09-23  
[86] 2015-03-27 (PCT/EP2015/056807)  
[87] (WO2015/144919)  
[30] FR (1452731) 2014-03-28

[21] **2,943,772**  
[13] A1

[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7088 (2006.01) A61K 31/712 (2006.01) A61P 9/00 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) A61P 37/08 (2006.01)**  
[25] EN  
[54] **APTAMER FOR FGF2 AND USE THEREOF**  
[54] **APTAMERE POUR LE FGF2 ET SON UTILISATION**  
[72] JIN, LING, JP  
[71] RIBOMIC INC., JP  
[85] 2016-09-23  
[86] 2015-03-24 (PCT/JP2015/058992)  
[87] (WO2015/147017)  
[30] JP (2014-060966) 2014-03-24

[21] **2,943,773**  
[13] A1

[51] **Int.Cl. G01V 8/02 (2006.01) G01V 11/00 (2006.01)**  
[25] EN  
[54] **360-DEGREE CORE PHOTO IMAGE INTEGRATION AND INTERPRETATION IN A 3D PETROPHYSICAL MODELING ENVIRONMENT**  
[54] **INTEGRATION ET INTERPRETATION D'IMAGES PHOTOGRAPHIQUES DE CAROTTE A 360 DEGRES DANS UN ENVIRONNEMENT DE MODELISATION PETROPHYSIQUE 3D**  
[72] SUNG, ROGER R., SA  
[72] LI, YUNSHENG, SA  
[71] SAUDI ARABIAN OIL COMPANY, SA  
[85] 2016-09-23  
[86] 2015-03-25 (PCT/US2015/022492)  
[87] (WO2015/148666)  
[30] US (14/224,815) 2014-03-25

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[13] A1

[51] **Int.Cl. C12N 5/00 (2006.01) A61K 48/00 (2006.01) C07H 21/04 (2006.01) C12N 15/00 (2006.01) C12N 15/74 (2006.01) C12N 15/87 (2006.01)**

[25] EN

[54] **METHODS AND GENETIC SYSTEMS FOR CELL ENGINEERING**

[54] **METHODES ET SYSTEMES GENETIQUES POUR LE GENIE CELLULAIRE**

[72] BOYLE, PATRICK, US

[72] SHETTY, RESHMA P., US

[71] GINKGO BIOWORKS, INC., US

[85] 2016-09-23

[86] 2015-03-25 (PCT/US2015/022508)

[87] (WO2015/148680)

[30] US (61/970,024) 2014-03-25

[21] **2,943,776**  
[13] A1

[51] **Int.Cl. C04B 35/583 (2006.01) B23B 27/14 (2006.01)**

[25] EN

[54] **COMPOUND SINTERED BODY AND SURFACE-COATED BORON NITRIDE SINTERED BODY TOOL**

[54] **COMPACT FRITTE COMPOSITE ET OUTIL CONTENANT UN COMPACT FRITTE CONTENANT DU NITRURE DE BORE REVETU EN SURFACE**

[72] WATANOBE, NAOKI, JP

[72] MATSUDA, YUSUKE, JP

[72] OKAMURA, KATSUMI, JP

[72] TSUKIHARA, NOZOMI, JP

[72] SETOYAMA, MAKOTO, JP

[71] SUMITOMO ELECTRIC HARDMETAL CORP., JP

[85] 2016-09-23

[86] 2015-03-20 (PCT/JP2015/058478)

[87] (WO2015/163060)

[30] JP (2014-091728) 2014-04-25

[21] **2,943,777**  
[13] A1

[51] **Int.Cl. F42D 1/05 (2006.01) F42B 3/11 (2006.01) F42B 3/113 (2006.01) F42C 15/42 (2006.01)**

[25] EN

[54] **APPARATUS, SYSTEM AND METHOD FOR BLASTING**

[54] **APPAREIL, SYSTEME ET PROCEDE DE DYNAMITAGE**

[72] APPLEBY, RODNEY, AU

[72] JOHNSON, DAVID, US

[72] GOODRIDGE, RICHARD, US

[72] WICKS, BYRON, AU

[71] ORICA INTERNATIONAL PTE LTD, SG

[85] 2016-09-26

[86] 2015-03-23 (PCT/AU2015/050122)

[87] (WO2015/143502)

[30] US (61/971,205) 2014-03-27

[21] **2,943,778**  
[13] A1

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/4725 (2006.01) A61P 3/10 (2006.01) A61P 13/12 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **AMIDE COMPOUND**

[54] **COMPOSE AMIDE**

[72] OKUDA, TAKAO, JP

[72] NOZAWA, EISUKE, JP

[72] UGAWA, TOHRU, JP

[72] MIZOGUCHI, RYO, JP

[71] ASTELLAS PHARMA INC., JP

[85] 2016-09-23

[86] 2015-03-25 (PCT/JP2015/059026)

[87] (WO2015/147020)

[30] JP (2014-064590) 2014-03-26

[21] **2,943,781**  
[13] A1

[51] **Int.Cl. A01N 43/653 (2006.01) A01M 1/20 (2006.01) A01N 25/00 (2006.01) A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 47/12 (2006.01) A01N 47/40 (2006.01) A01P 3/00 (2006.01) A01P 7/04 (2006.01) A01P 13/00 (2006.01)**

[25] EN

[54] **COMPOSITION FOR PREPARING EMULSION OR MICROEMULSION**

[54] **COMPOSITION POUR LA PREPARATION D'UNE EMULSION OU D'UNE MICROEMULSION**

[72] DAIRIKI, HIROSHI, JP

[72] SAKATANI, MINORU, JP

[71] NIPPON SODA CO., LTD., JP

[85] 2016-09-23

[86] 2015-03-25 (PCT/JP2015/059042)

[87] (WO2015/147024)

[30] JP (2014-067692) 2014-03-28

[21] **2,943,783**  
[13] A1

[51] **Int.Cl. F23N 5/24 (2006.01) F24C 3/12 (2006.01) F24D 19/10 (2006.01) F24H 9/20 (2006.01) G08B 21/18 (2006.01)**

[25] EN

[54] **A MONITOR FOR A NATURAL GAS-FIRED APPLIANCE**

[54] **DISPOSITIF DE SURVEILLANCE POUR UN APPAREIL DE COMBUSTION DE GAZ NATUREL**

[72] MARTINO, MICHAEL, CA

[72] BARBOSA, RICARDO DIAS, CA

[72] LIVANOS, GEORGES, CA

[71] MARTINO CONTRACTORS LTD., CA

[85] 2016-09-26

[86] 2015-03-26 (PCT/CA2015/000185)

[87] (WO2015/143543)

[30] CA (PCT/CA2014/000287) 2014-03-26

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[21] **2,943,784**  
[13] A1

[51] **Int.Cl. G06F 1/30 (2006.01) G06F 1/26 (2006.01)**  
[25] EN  
[54] **AUTOMATIC TRANSFER SWITCH FOR POWER BUSWAYS**  
[54] **COMMUTATEUR DE TRANSFERT AUTOMATIQUE POUR BARRES BLINDEES DE PUISSANCE**  
[72] CHAPEL, STEVE, US  
[72] PACHOUD, WILLIAM, US  
[71] ZONIT STRUCTURED SOLUTIONS, LLC, US  
[85] 2016-09-23  
[86] 2015-03-25 (PCT/US2015/022516)  
[87] (WO2015/148686)  
[30] US (61/970,267) 2014-03-25

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[21] **2,943,785**  
[13] A1

[51] **Int.Cl. F16G 1/28 (2006.01) F16G 1/14 (2006.01) F16H 7/02 (2006.01)**  
[25] EN  
[54] **TOOTHED BELT**  
[54] **COURROIE CRANTEE**  
[72] SHAKUSHIRO, TOMOAKI, JP  
[72] IIZUKA SHINGO, JP  
[71] MITSUBOSHI BELTING LTD., JP  
[85] 2016-09-23  
[86] 2015-03-25 (PCT/JP2015/059227)  
[87] (WO2015/151974)  
[30] JP (2014-072464) 2014-03-31  
[30] JP (2014-072467) 2014-03-31  
[30] JP (2015-035113) 2015-02-25

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[21] **2,943,786**  
[13] A1

[51] **Int.Cl. A61K 39/00 (2006.01)**  
[25] EN  
[54] **IMMUNOLOGICAL COMPOSITIONS CONTAINING ATTENUATED HISTOPHILUS SOMNI**  
[54] **COMPOSITIONS IMMUNOLOGIQUES CONTENANT DES SOUCHES DE HISTOPHILUS SOMNI ATTENUÉES**  
[72] KOLANDER, TAMMY, US  
[72] LAWRENCE, PAULRAJ, US  
[72] BEY, RUSSELL, US  
[71] MERIAL, INC., US  
[85] 2016-09-23  
[86] 2015-03-25 (PCT/US2015/022519)  
[87] (WO2015/148687)  
[30] US (61/970,195) 2014-03-25

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[21] **2,943,787**  
[13] A1

[51] **Int.Cl. C12N 5/02 (2006.01) C12N 5/078 (2010.01) A61L 27/38 (2006.01) A61L 27/54 (2006.01) C07K 14/52 (2006.01) C07K 14/54 (2006.01) C07K 14/555 (2006.01) C07K 14/745 (2006.01) C07K 14/78 (2006.01)**  
[25] EN  
[54] **EXTRACELLULAR MATRIX GRAFTS LOADED WITH EXOGENOUS FACTORS**  
[54] **GREFFONS DE MATRICE EXTRACELLULAIRE CHARGES AVEC DES FACTEURS EXOGENES**  
[72] HILES, MICHAEL C., US  
[72] RYAN, CHRISTOPHER T., US  
[71] COOK BIOTECH INCORPORATED, US  
[85] 2016-09-23  
[86] 2015-03-25 (PCT/US2015/022569)  
[87] (WO2015/148723)  
[30] US (61/970,344) 2014-03-25  
[30] US (61/971,504) 2014-03-27

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[21] **2,943,788**  
[13] A1

[51] **Int.Cl. C12N 15/00 (2006.01) C12N 15/115 (2010.01) A61K 31/7088 (2006.01) A61K 45/00 (2006.01) A61K 48/00 (2006.01) A61P 43/00 (2006.01) C12Q 1/68 (2006.01) G01N 33/53 (2006.01) G01N 33/566 (2006.01)**  
[25] EN  
[54] **APTAMER INHIBITING BIOLOGICAL ACTIVITY OF AUTOTAXIN BY BINDING WITH AUTOTAXIN, AND USE THEREOF**  
[54] **APTAMERE INHIBANT L'ACTIVITE BIOLOGIQUE DE L'AUTOTAXINE PAR LIAISON A L'AUTOTAXINE, ET SON UTILISATION**  
[72] IKEDA, HISAKO, JP  
[72] MIYAKAWA, SHIN, JP  
[71] RIBOMIC INC., JP  
[85] 2016-09-23  
[86] 2015-03-27 (PCT/JP2015/059732)  
[87] (WO2015/147290)  
[30] JP (2014-067289) 2014-03-27

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[21] **2,943,790**  
[13] A1

[51] **Int.Cl. F02G 1/04 (2006.01) F01B 3/00 (2006.01) F01B 21/00 (2006.01) F02B 1/00 (2006.01) F16H 19/00 (2006.01) F16H 21/00 (2006.01) F16H 35/00 (2006.01) F16H 48/00 (2012.01) F25B 7/00 (2006.01) F25B 9/00 (2006.01) F25J 3/00 (2006.01)**  
[25] EN  
[54] **THERMAL ENGINE WITH ENERGY MODULATION MECHANISM**  
[54] **MOTEUR THERMIQUE A MECANISME DE MODULATION D'ENERGIE**  
[72] HUANG, DA WEI, AU  
[71] HUANG, DA WEI, AU  
[85] 2016-09-26  
[86] 2015-04-08 (PCT/AU2015/050159)  
[87] (WO2015/157813)  
[30] AU (2014901349) 2014-04-14

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[21] **2,943,791**  
[13] A1

[51] **Int.Cl. B01D 53/62 (2006.01)**  
[25] EN  
[54] **INTEGRATED CARBON DIOXIDE CAPTURE**  
[54] **CAPTURE DE DIOXYDE DE CARBONE INTEGREE**  
[72] MONKMAN, GEORGE SEAN, CA  
[72] NIVEN, ROBERT, CA  
[72] CAIL, KEVIN, US  
[72] KLINE, JOHN, US  
[71] CARBONCURE TECHNOLOGIES INC., CA  
[85] 2016-09-26  
[86] 2015-03-16 (PCT/CA2015/050195)  
[87] (WO2015/154174)  
[30] US (61/976,360) 2014-04-07

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[21] **2,943,793**  
[13] A1

[51] **Int.Cl. E02D 5/74 (2006.01) B65D 88/76 (2006.01) B65D 90/00 (2006.01) B65G 5/00 (2006.01) E02D 5/80 (2006.01) E02D 27/38 (2006.01) E02D 29/045 (2006.01)**

[25] EN

[54] **ANCHORS AND METHODS FOR ANCHORING AN UNDERGROUND STORAGE TANK**

[54] **ELEMENTS D'ANCRAGE ET PROCÉDES D'ANCRAGE D'UN RESERVOIR DE STOCKAGE SOUTERRAIN**

[72] DUFRESNE, ROBERT P., CA

[71] PULTRUSION TECHNIQUE INC., CA

[85] 2016-09-26

[86] 2015-03-27 (PCT/CA2015/050237)

[87] (WO2015/143565)

[30] US (61/970,991) 2014-03-27

[30] US (62/030,845) 2014-07-30

[21] **2,943,794**  
[13] A1

[51] **Int.Cl. C12N 15/00 (2006.01) C12N 15/85 (2006.01)**

[25] EN

[54] **TARGETED GENOME EDITING IN ZYGOTES OF DOMESTIC LARGE ANIMALS**

[54] **EDITION CIBLEE DU GENOME DANS DES ZYGOTES DE GRANDS ANIMAUX DOMESTIQUES**

[72] TELUGU, BHANU PRAKASH V.L., US

[72] PARK, KI-EUN, US

[71] UNIVERSITY OF MARYLAND, COLLEGE PARK, US

[85] 2016-09-23

[86] 2015-03-26 (PCT/US2015/022660)

[87] (WO2015/148761)

[30] US (61/970,794) 2014-03-26

[21] **2,943,796**  
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2006.01) C12N 15/13 (2006.01)**

[25] EN

[54] **MODIFIED CPMV ENHANCER ELEMENTS**

[54] **ELEMENTS AMPLIFICATEURS DU CPMV MODIFIES**

[72] D'AOUST, MARC-ANDRE, CA

[72] LAVOIE, PIERRE-OLIVIER, CA

[71] MEDICAGO INC., CA

[85] 2016-09-26

[86] 2015-03-27 (PCT/CA2015/050240)

[87] (WO2015/143567)

[30] US (61/971,274) 2014-03-27

[30] CA (PCT/CA2014/050326) 2014-03-28

[21] **2,943,797**  
[13] A1

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

[25] EN

[54] **MODULATION OF CALCIUM ION HOMEOSTASIS IN HARVESTED TRANSPLANTABLE HEARTS**

[54] **MODULATION D'HOMÉOSTASE D'IONS DE CALCIUM DANS DES CŒURS TRANSPLANTABLES RECOLTES**

[72] WHITE, CHRISTOPHER, CA

[72] FREED, DARREN, CA

[71] FREED, DARREN, CA

[85] 2016-09-26

[86] 2015-04-10 (PCT/CA2015/050297)

[87] (WO2015/154193)

[30] US (61/978,132) 2014-04-10

[21] **2,943,798**  
[13] A1

[51] **Int.Cl. G02C 13/00 (2006.01) G02C 5/22 (2006.01)**

[25] EN

[54] **MOUNTING MECHANISM FOR EYEWEAR**

[54] **MECANISME DE MONTAGE POUR LUNETTES**

[72] CALILUNG, RYAN ANTHONY, US

[72] MCKONLY, CHAD MICHAEL, US

[72] HERONEN, NATHAN EINO, US

[72] YOSHINARI, ERIC, US

[71] OAKLEY, INC., US

[85] 2016-09-23

[86] 2015-03-26 (PCT/US2015/022674)

[87] (WO2015/148770)

[30] US (61/971,433) 2014-03-27

[21] **2,943,799**  
[13] A1

[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/12 (2006.01)**

[25] EN

[54] **HYBRID BIT WITH BLADES AND DISCS**

[54] **TREPAN HYBRIDE POURVU DE LAMES ET DE DISQUES**

[72] CHEN, SHILIN, US

[72] WILLIAMS, MARK EVANS, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-09-23

[86] 2014-05-22 (PCT/US2014/039114)

[87] (WO2015/178908)

[21] **2,943,801**  
[13] A1

[51] **Int.Cl. G06Q 50/12 (2012.01) G01N 33/98 (2006.01)**

[25] EN

[54] **RESTAURANT OPERATION SYSTEM AND METHOD**

[54] **SYSTEME ET PROCÉDE D'EXPLOITATION D'UN RESTAURANT**

[72] LEACH, STEVEN H., CA

[71] LEACH, STEVEN H., CA

[85] 2016-09-26

[86] 2015-06-05 (PCT/CA2015/050519)

[87] (WO2015/184552)

[30] US (62/007,997) 2014-06-05

[21] **2,943,802**  
[13] A1

[51] **Int.Cl. A61K 38/08 (2006.01) A61K 38/10 (2006.01) C07K 7/08 (2006.01)**

[25] EN

[54] **CYCLIC PROSAPOSIN PEPTIDES AND USES THEREOF**

[54] **PEPTIDES DE PROSAPOSINE CYCLIQUES ET UTILISATIONS DE CEUX-CI**

[72] WATNICK, RANDOLPH S., US

[71] CHILDREN'S MEDICAL CENTER CORPORATION, US

[85] 2016-09-23

[86] 2015-03-26 (PCT/US2015/022745)

[87] (WO2015/148801)

[30] US (61/970,853) 2014-03-26

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[21] **2,943,803**  
[13] A1

[51] **Int.Cl. G08B 1/08 (2006.01) G08B 23/00 (2006.01)**

[25] EN

[54] **HELMET AND METHOD OF USE FOR EMERGENCY NOTIFICATION**

[54] **CASQUE ET PROCEDE D'UTILISATION POUR UNE NOTIFICATION D'URGENCE**

[72] CHOLHAN, HILARY J., US  
[72] CHOLHAN, REMY, US  
[71] CHOPRIX LLC, US  
[85] 2016-09-23  
[86] 2014-09-05 (PCT/US2014/054210)  
[87] (WO2015/147909)  
[30] US (14/227,493) 2014-03-27  
[30] US (14/227,499) 2014-03-27  
[30] US (PCT/US2014/031984) 2014-03-27

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[21] **2,943,804**  
[13] A1

[51] **Int.Cl. A47J 43/25 (2006.01) A47J 19/04 (2006.01)**

[25] EN

[54] **OPEN HOLE CUTTER/GRATER**

[54] **ELEMENT DE COUPE/RAPE A TROU OUVERT**

[72] SMITH, JASON DWAYNE, US  
[72] WILLIS, BENJAMIN STANLEY, US  
[71] LIFETIME BRANDS, INC., US  
[85] 2016-09-23  
[86] 2015-03-26 (PCT/US2015/022750)  
[87] (WO2015/148804)  
[30] US (61/970,652) 2014-03-26  
[30] US (61/979,465) 2014-04-14

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[21] **2,943,805**  
[13] A1

[51] **Int.Cl. B65D 47/06 (2006.01) A47K 5/12 (2006.01)**

[25] EN

[54] **A PACKAGING ASSEMBLY**

[54] **ENSEMBLE D'EMBALLAGE**

[72] DAGNELIE, THIERRY CHRISTIAN  
FRANCIS, BE  
[72] DE WILDE, VINCENT HUBERT M., BE  
[72] VAN DEN WOUWER, CHRIS, BE  
[72] NOGUEIRA, FRANCISCO MIGUEL DE TAVARES DUARTE, BE  
[72] OLSEN, ROBB ERIC, US  
[72] XI, JIE, CN  
[72] ZHANG, MENGDI, CN  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2016-09-26  
[86] 2015-02-25 (PCT/CN2015/073262)  
[87] (WO2015/158183)  
[30] CN (PCT/CN2014/075693) 2014-04-18

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[21] **2,943,806**  
[13] A1

[51] **Int.Cl. B25D 11/00 (2006.01) B25D 17/00 (2006.01)**

[25] EN

[54] **POWERED FASTENER DRIVER AND OPERATING METHOD THEREOF**

[54] **DISPOSITIF D'ENTRAINEMENT D'ATTACHE MOTORISE ET SON PROCEDE DE FONCTIONNEMENT**

[72] SCHNELL, JOHN, US  
[72] POMEROY, EDWARD A., US  
[72] NAMOUZ, ESSAM, US  
[72] JOHNSON, HENRY, US  
[72] LIU, JIE, CN  
[72] LIN, HAILING, CN  
[72] ZHOU, JINLIN, CN  
[72] LI, XINGHONG, CN  
[72] CAO, ZIQIANG, CN  
[72] MA, LIGUO, CN  
[71] TECHTRONIC POWER TOOLS TECHNOLOGY LIMITED, VG  
[85] 2016-09-26  
[86] 2014-05-15 (PCT/CN2014/077551)  
[87] (WO2015/143762)  
[30] US (61/970,963) 2014-03-27

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[21] **2,943,809**  
[13] A1

[51] **Int.Cl. H01L 31/052 (2014.01)**

[25] EN

[54] **HIGH ACCURACY MODULE ASSEMBLY PROCESS**

[54] **PROCEDE D'ASSEMBLAGE DE MODULES DE GRANDE PRECISION**

[72] KRAUSE, RAINER, DE  
[72] MAZALEYRAT, ERIC, FR  
[71] SOITEC SOLAR GMBH, DE  
[85] 2016-09-26  
[86] 2014-03-26 (PCT/EP2014/056091)  
[87] (WO2014/154768)  
[30] FR (1352870) 2013-03-29

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[21] **2,943,810**  
[13] A1

[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/10 (2012.01) G06Q 20/20 (2012.01) G06Q 20/40 (2012.01)**

[25] EN

[54] **SECURE OFFLINE PAYMENT SYSTEM**

[54] **SYSTEME DE PAIEMENT HORS LIGNE SECURISE**

[72] JIANG, FAN, CH  
[72] OKONKWO, ANETO PABLO, CH  
[72] AITENBICHLER, ERWIN, CH  
[72] ASSAD, IYAD, CH  
[71] GOOGLE INC., US  
[85] 2016-09-23  
[86] 2015-03-26 (PCT/US2015/022831)  
[87] (WO2015/148850)  
[30] US (14/226,785) 2014-03-26  
[30] US (14/226,798) 2014-03-26

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[21] **2,943,811**  
[13] A1

[51] **Int.Cl. E05B 13/10 (2006.01) E05B 15/14 (2006.01)**

[25] EN

[54] **MODULAR LOCK PLUG**

[54] **BARILLET DE SERRURE MODULAIRE**

[72] WALLS, BRIAN EDWARD, US  
[72] CLIFFORD, JASON CURTIS, US  
[72] WELSBY, SCOTT DOUGLAS, US  
[71] SCHLAGE LOCK COMPANY LLC, US  
[85] 2016-09-23  
[86] 2015-02-27 (PCT/US2015/018052)  
[87] (WO2015/131068)  
[30] US (14/194,546) 2014-02-28  
[30] US (14/633,072) 2015-02-26

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[21] **2,943,812**  
[13] A1

[51] **Int.Cl. F24C 15/16 (2006.01) A47J 43/044 (2006.01) A47J 43/07 (2006.01) F24C 7/02 (2006.01)**

[25] EN

[54] **STIRRING AND COOKING ASSEMBLY AND COOKING EQUIPMENT INCLUDING SAME**

[54] **ENSEMBLE D'AGITATION ET DE CUISSON ET EQUIPEMENT DE CUISSON LE COMPRENANT**

[72] LIM, GYU SIK, KR  
[72] LEE, JONG HOON, KR  
[72] KOO, SUN HEE, KR  
[72] LEE, JEONG HEE, KR  
[72] CHANG, HONG MAN, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR

[85] 2016-09-23  
[86] 2015-03-23 (PCT/KR2015/002810)  
[87] (WO2015/152549)  
[30] KR (10-2014-0039909) 2014-04-03  
[30] KR (10-2014-0134338) 2014-10-06

[21] **2,943,813**  
[13] A1

[51] **Int.Cl. B62K 5/08 (2006.01) B62J 99/00 (2009.01) B62K 5/027 (2013.01) B62K 5/05 (2013.01)**

[25] EN

[54] **SADDLE RIDING TYPE VEHICLE**

[54] **VEHICULE DE TYPE A SELLE**

[72] SHIBUYA, YU, JP  
[72] HARA, NOBUO, JP  
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP

[85] 2016-09-23  
[86] 2015-03-13 (PCT/JP2015/057565)  
[87] (WO2015/146653)  
[30] JP (2014-060815) 2014-03-24

[21] **2,943,815**  
[13] A1

[51] **Int.Cl. A61K 31/381 (2006.01) A61K 31/4045 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **SUBSTITUTED INDOLE MCL-1 INHIBITORS**

[54] **INHIBITEURS DE INDOLE MCL-1 SUBSTITUES**

[72] LEE, TAEKYU, US  
[72] BIAN, ZHIGUO, US  
[72] BELMAR, JOHANNES, US  
[72] CHRISTOV, PLAMEN P., US  
[72] PELZ, NICHOLAS F., US  
[72] SHAW, SUBRATA, US  
[72] KIM, KWANGHO, US  
[72] TARR, JAMES C., US  
[72] OLEJNICZAK, EDWARD T., US  
[72] ZHAO, BIN, US  
[72] FESIK, STEPHEN W., US  
[71] VANDERBILT UNIVERSITY, US

[85] 2016-09-23  
[86] 2015-03-26 (PCT/US2015/022841)  
[87] (WO2015/148854)  
[30] US (61/971,023) 2014-03-27

[21] **2,943,817**  
[13] A1

[51] **Int.Cl. C07K 5/08 (2006.01) A61K 31/12 (2006.01) A61K 38/06 (2006.01) A61K 38/55 (2006.01) A61P 35/00 (2006.01) C07K 5/107 (2006.01)**

[25] EN

[54] **TRIPEPTIDE EPOXYKETONE COMPOUND CONSTRUCTED BY HETEROCYCLE AND PREPARATION METHOD AND USE THEREOF**

[54] **COMPOSE EPOXYCETONE TRIPEPTIDIQUE CONSTRUIT A PARTIR D'UN HETEROCYCLE ET PROCEDE POUR LE PREPARER ET L'UTILISER**

[72] HU, YONGZHOU, CN  
[72] LI, JIA, CN  
[72] LIU, TAO, CN  
[72] ZHANG, JIANKANG, CN  
[72] ZHOU, YUBO, CN  
[72] YANG, BO, CN  
[72] HE, QIAOJUN, CN  
[72] XU, LEI, CN  
[72] HU, XIAOBEI, CN  
[71] ZHEJIANG UNIVERSITY, CN  
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCE, CN

[85] 2016-09-26  
[86] 2015-03-11 (PCT/CN2015/073989)  
[87] (WO2015/149607)  
[30] CN (201410122313.4) 2014-03-30

[21] **2,943,819**  
[13] A1

[51] **Int.Cl. G01N 1/42 (2006.01)**

[25] EN

[54] **ULTRA-RAPID TISSUE CRYOPRESERVATION METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL DE CRYOCONSERVATION ULTRA-RAPIDE DE TISSUS**

[72] BENSON, JAMES DALE, US  
[71] BOARD OF TRUSTEES OF NORTHERN ILLINOIS UNIVERSITY, US

[85] 2016-09-23  
[86] 2015-03-27 (PCT/US2015/023014)  
[87] (WO2015/148935)  
[30] US (61/971,979) 2014-03-28  
[30] US (62/005,381) 2014-05-30

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[13] A1

[51] **Int.Cl. A61F 2/12 (2006.01)**  
[25] EN  
[54] **DIRECTIONAL TISSUE EXPANDER**  
[54] **EXPANSEUR TISSULAIRE DIRECTIONNEL**  
[72] DAVILA, LUIS ALBERTO, US  
[72] FALCON, ANITA M., US  
[72] HRISTOV, KRASIMIRA, US  
[72] KRIKSUNOV, LEO B., US  
[72] TANNHAUSER, ROBERT J., US  
[71] MENTOR WORLDWIDE LLC, US  
[85] 2016-09-23  
[86] 2015-03-09 (PCT/US2015/019454)  
[87] (WO2015/153065)  
[30] US (14/230,251) 2014-03-31

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[21] **2,943,821**  
[13] A1

[51] **Int.Cl. G01N 33/68 (2006.01) G06F 19/10 (2011.01) C12Q 1/68 (2006.01)**  
[25] EN  
[54] **BIOMARKERS AND METHODS FOR MEASURING AND MONITORING JUVENILE IDIOPATHIC ARTHRITIS ACTIVITY**  
[54] **BIOMARQUEURS ET PROCEDES DE MESURE ET DE SURVEILLANCE DE L'ACTIVITE DE L'ARTHRITE IDIOPATHIQUE JUVENILE**  
[72] EASTMAN, SCOTT, US  
[72] SASSO, ERIC, US  
[71] CRESCENDO BIOSCIENCE, US  
[85] 2016-09-23  
[86] 2015-03-30 (PCT/US2015/023302)  
[87] (WO2015/153437)  
[30] US (61/974,390) 2014-04-02

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[13] A1

[51] **Int.Cl. H04N 7/08 (2006.01) H04J 11/00 (2006.01) H04N 7/01 (2006.01)**  
[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] **DISPOSITIF D'EMISSION DE SIGNAL DE RADIODIFFUSION, DISPOSITIF DE RECEPTION DE SIGNAL DE RADIODIFFUSION, PROCEDE D'EMISSION DE SIGNAL DE RADIODIFFUSION ET PROCEDE DE RECEPTION DE SIGNAL DE RADIODIFFUSION**  
[72] BAEK, JONGSEOB, KR  
[72] KO, WOOSUK, KR  
[72] HONG, SUNGRYONG, KR  
[71] LG ELECTRONICS INC., KR  
[85] 2016-09-23  
[86] 2015-04-07 (PCT/KR2015/003449)  
[87] (WO2015/156569)  
[30] US (61/977,074) 2014-04-08

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[13] A1

[51] **Int.Cl. C12Q 1/32 (2006.01) C12Q 1/68 (2006.01) G01N 33/48 (2006.01)**  
[25] EN  
[54] **L-2-HYDROXYGLUTARATE AND STRESS INDUCED METABOLISM**  
[54] **METABOLISME INDUIT PAR STRESS ET L-2-HYDROXYGLUTARATE**  
[72] INTLEKOFER, ANDREW M., US  
[72] THOMPSON, CRAIG B., US  
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US  
[85] 2016-09-23  
[86] 2015-03-27 (PCT/US2015/023038)  
[87] (WO2015/148950)  
[30] US (61/972,091) 2014-03-28

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[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/574 (2006.01)**  
[25] EN  
[54] **PROTEIN BIOMARKER PROFILES FOR DETECTING COLORECTAL TUMORS**  
[54] **PROFILS DE BIOMARQUEUR DE PROTEINE PERMETTANT DE DETECTER DES TUMEURS COLORECTALES**  
[72] BLUME, JOHN, US  
[72] BENZ, RYAN, US  
[72] CRONER, LISA, US  
[72] DILLON, ROSLYN, US  
[72] JONES, JEFFREY, US  
[72] KAO, ATHIT, US  
[72] PRESTON, RICHARD, US  
[72] SKOR, HEATHER, US  
[72] WILCOX, BRUCE, US  
[71] APPLIED PROTEOMICS, INC., US  
[85] 2016-09-23  
[86] 2015-03-27 (PCT/US2015/023187)  
[87] (WO2015/149030)  
[30] US (61/972,153) 2014-03-28  
[30] US (62/005,835) 2014-05-30  
[30] US (62/107,265) 2015-01-23

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[13] A1

[51] **Int.Cl. H04W 74/08 (2009.01) H04W 28/04 (2009.01) H04W 84/12 (2009.01)**  
[25] EN  
[54] **RETRANSMISSION METHOD AT TIME OF SHARING TRANSMISSION OPPORTUNITY IN WIRELESS LAN SYSTEM, AND DEVICE THEREFOR**  
[54] **PROCEDE DE RETRANSMISSION AU MOMENT DU PARTAGE D'UNE OPPORTUNITE DE TRANSMISSION DANS UN SYSTEME DE LAN SANS FIL, ET DISPOSITIF ASSOCIE**  
[72] KIM, JEONGKI, KR  
[72] RYU, KISEON, KR  
[72] CHOI, JINSOO, KR  
[72] PARK, GIWON, KR  
[72] KIM, SUHWOOK, KR  
[72] CHO, HANGYU, KR  
[71] LG ELECTRONICS INC., KR  
[85] 2016-09-23  
[86] 2015-04-09 (PCT/KR2015/003566)  
[87] (WO2015/156616)  
[30] US (61/977,640) 2014-04-10

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[21] **2,943,829**  
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**  
[25] EN  
[54] **METHOD AND COMPUTER PROGRAM PRODUCT FOR ANALYZING AIRLINE PASSENGER TICKET MASS DATA STOCKS**

[54] **PROCEDE ET PRODUIT LOGICIEL D'ANALYSE D'ENSEMBLES DE DONNEES DE MASSE DE BILLETS DE PASSAGERS AERIENS**

[72] ECHTERMAYER, KARL, DE  
[72] COENEN, WERNER, DE  
[71] DEUTSCHE LUFTHANSA AG, DE  
[85] 2016-09-26  
[86] 2014-11-26 (PCT/EP2014/075662)  
[87] (WO2015/149884)  
[30] EP (14163109.3) 2014-04-02

[21] **2,943,835**  
[13] A1

[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 50/10 (2012.01)**  
[25] EN  
[54] **SELF-SERVE PRODUCT DISPENSER**

[54] **DISTRIBUTEUR DE PRODUITS EN LIBRE-SERVICE**

[72] CARPENTER, GREGG, US  
[72] NEWMAN, DAVID ROY, US  
[72] RUDICK, ARTHUR G., US  
[72] JOSHI, ANISH, US  
[72] SLAGLEY, DAVID O., US  
[72] HOPKINS, MICHAEL EDWARDS, US  
[71] THE COCA-COLA COMPANY, US  
[85] 2016-09-23  
[86] 2015-03-31 (PCT/US2015/023522)  
[87] (WO2015/153565)  
[30] US (61/973,199) 2014-03-31

[21] **2,943,837**  
[13] A1

[51] **Int.Cl. A61L 27/10 (2006.01) A61L 27/24 (2006.01) A61L 27/56 (2006.01)**  
[25] EN  
[54] **COMBINATION PRODUCTS INCLUDING BIOACTIVE GLASS AND COLLAGEN AND KITS INCLUDING THE SAME**

[54] **PRODUITS COMBINES AU VERRE BIOACTIF ET AU COLLAGENE ET TROUSSES**

[72] POMRINK, GREGORY J., US  
[72] TOSUN, ZEHRA, US  
[72] CAO, CECILIA, US  
[72] CLARK, JOSHUA, US  
[71] NOVABONE PRODUCTS, LLC, US  
[85] 2016-09-23  
[86] 2014-03-27 (PCT/US2014/032035)  
[87] (WO2015/147834)

[21] **2,943,831**  
[13] A1

[51] **Int.Cl. H04L 25/02 (2006.01) H04L 5/00 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR ESTIMATING CHANNEL IN WIRELESS COMMUNICATION SYSTEM**

[54] **PROCEDE ET DISPOSITIF D'ESTIMATION DE VOIE DANS UN SYSTEME DE COMMUNICATION SANS FIL**

[72] KIM, HYUNGTAE, KR  
[72] KIM, KIJUN, KR  
[72] PARK, JONGHYUN, KR  
[72] KIM, YOUNGTAE, KR  
[71] LG ELECTRONICS INC., KR  
[85] 2016-09-23  
[86] 2015-07-16 (PCT/KR2015/007402)  
[87] (WO2016/010379)  
[30] US (62/025,478) 2014-07-16  
[30] US (62/109,626) 2015-01-30

[21] **2,943,836**  
[13] A1

[51] **Int.Cl. A61F 2/12 (2006.01)**  
[25] EN  
[54] **DIRECTIONAL TISSUE EXPANDER**

[54] **EXPANSEUR TISSULAIRE DIRECTIONNEL**

[72] HRISTOV, KRASIMIRA, US  
[72] DAVILA, LUIS ALBERTO, US  
[72] FALCON, ANITA M., US  
[72] HOFFMAN, MICHAEL, US  
[71] MENTOR WORLDWIDE LLC, US  
[85] 2016-09-23  
[86] 2015-03-09 (PCT/US2015/019458)  
[87] (WO2015/153066)  
[30] US (14/230,251) 2014-03-31  
[30] US (14/534,255) 2014-11-06

[21] **2,943,840**  
[13] A1

[51] **Int.Cl. H02K 1/14 (2006.01) H02K 1/16 (2006.01) H02K 1/18 (2006.01) H02K 3/38 (2006.01) H02K 15/00 (2006.01) H02K 15/12 (2006.01)**  
[25] EN  
[54] **COMPOSITE ELECTRIC MACHINE**

[54] **MACHINE ELECTRIQUE COMPOSITE**

[72] HARTMANN, ULRICH, DE  
[72] KUMMLEE, HORST, DE  
[72] MOHLE, AXEL, DE  
[72] PETEREIT, PETER, DE  
[72] RAKOWICZ, MARIAN, DE  
[72] TISCHLER, KURT, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2016-09-26  
[86] 2015-03-13 (PCT/EP2015/055333)  
[87] (WO2015/144463)  
[30] EP (14162315.7) 2014-03-28

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[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**  
[25] EN  
[54] **DETERMINATION OF SINGLE NUCLEOTIDE POLYMORPHISMS USEFUL TO PREDICT RESPONSE FOR RASAGILINE**

[54] **DETERMINATION DE POLYMORPHISMES D'UN SEUL NUCLEOTIDE UTILES POUR PREDIRE LA REPOSE A LA RASAGILINE**

[72] LEVY, JOSEPH, IL  
[72] TCHELET, AMIR, IL  
[72] GROSSMAN, IRIS, IL  
[72] EYAL, ELI, IL  
[72] OFRA, BARNETT, IL  
[72] COLLINSON, MAUREEN SHANNON, CA  
[72] KENNEDY, JAMES LOWERY, CA  
[72] KNIGHT, JOANNE, CA  
[72] LANG, ANTHONY EDWARD, CA  
[72] MASELLIS, MARIO, CA  
[71] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL  
[85] 2016-09-23  
[86] 2015-03-31 (PCT/US2015/023618)  
[87] (WO2015/153629)  
[30] US (61/973,603) 2014-04-01

[21] **2,943,842**  
[13] A1

[51] **Int.Cl. B65D 90/12 (2006.01)**  
[25] EN  
[54] **A STORAGE TANK BOTTOM CORROSION PROTECTION SYSTEM**

[54] **SYSTEME DE PROTECTION CONTRE LA CORROSION DE FOND DE RESERVOIR DE STOCKAGE**

[72] LYUBLINSKI, EFIM YA, US  
[72] RAMDAS, GAUTAM, US  
[72] VAKS, YEFIM, US  
[72] NATALE, TERRY ALAN, US  
[72] POSNER, MONIQUE HUMBERT, US  
[72] BAKER, KELLY M., US  
[72] ROYTMAN, ALEXANDER, US  
[71] NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION, US  
[85] 2016-09-23  
[86] 2015-03-10 (PCT/US2015/019569)  
[87] (WO2015/167670)  
[30] US (61/985,099) 2014-04-28  
[30] US (14/557,937) 2014-12-02

[21] **2,943,843**  
[13] A1

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 23/06 (2006.01) E21B 33/12 (2006.01)**  
[25] EN  
[54] **INSTALLATION OF AN EMERGENCY CASING SLIP HANGER AND ANNULAR PACKOFF ASSEMBLY HAVING A METAL TO METAL SEALING SYSTEM THROUGH THE BLOWOUT PREVENTER**

[54] **INSTALLATION D'UN DISPOSITIF DE SUSPENSION COULISSANTE D'UN BOITIER D'URGENCE ET ENSEMBLE GARNITURE ANNULAIRE COMPRENANT UN SYSTEME D'ETANCHEITE METAL-METAL A TRAVERS L'OBTURATEUR ANTI-ERUPTION**

[72] KAUFFMANN, FREDERIC, GB  
[72] HAINING, GEORGE B., GB  
[71] FMC TECHNOLOGIES, INC., US  
[85] 2016-09-23  
[86] 2014-03-31 (PCT/US2014/032416)  
[87] (WO2015/152888)

[21] **2,943,844**  
[13] A1

[51] **Int.Cl. G06Q 10/06 (2012.01)**  
[25] EN  
[54] **CLIENT DRIVEN APPLICANT TRACKING SYSTEM AND ASSOCIATED METHOD TO MANAGE MULTIPLE JOB REPORTS**

[54] **SYSTEME DE SUIVI DE DEMANDEUR CENTRE SUR LE CLIENT, ET PROCEDE ASSOCIE, PERMETTANT DE GERER DE MULTIPLES RAPPORTS D'EMPLOIS**

[72] STANTON, ROGER JOHN, US  
[72] STANTON, LINDSAY, US  
[71] JOB SEARCH TELEVISION NETWORK, US  
[85] 2016-09-23  
[86] 2015-03-17 (PCT/US2015/020869)  
[87] (WO2015/148176)  
[30] US (14/223,600) 2014-03-24

[21] **2,943,848**  
[13] A1

[51] **Int.Cl. A61H 1/02 (2006.01)**  
[25] EN  
[54] **UPPER LIMBS REHABILITATING, MONITORING AND/OR EVALUATING INTERACTIVE DEVICE**

[54] **DISPOSITIF INTERACTIF DE REEDUCATION, SURVEILLANCE ET/OU EVALUATION DES MEMBRES SUPERIEURS**

[72] SAPIN, JULIEN, BE  
[72] DEHEZ, BRUNO, BE  
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE  
[85] 2016-09-26  
[86] 2015-03-26 (PCT/EP2015/056647)  
[87] (WO2015/144853)  
[30] EP (14162123.5) 2014-03-27

[21] **2,943,849**  
[13] A1

[51] **Int.Cl. G01N 3/00 (2006.01) G01N 3/08 (2006.01) G01N 3/18 (2006.01) G01B 11/08 (2006.01)**  
[25] EN  
[54] **SCANNING RHEOMETER**

[54] **RHEOMETRE A BALAYAGE**

[72] ALVAREZ, NICOLAS JAVIER, US  
[72] HASSAGER, OLE, DK  
[71] DANMARKS TEKNISKE UNIVERSITET, DK  
[85] 2016-09-26  
[86] 2015-03-26 (PCT/EP2015/056515)  
[87] (WO2015/144806)  
[30] EP (14161675.5) 2014-03-26

[21] **2,943,853**  
[13] A1

[51] **Int.Cl. G01D 11/00 (2006.01) G01L 19/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR REPLACING A PROCESS MEASUREMENT INSTRUMENT**

[54] **PROCEDE DE REMPLACEMENT D'UN INSTRUMENT DE MESURE DE PROCESSUS**

[72] BLATHERWICK, CHRISTIAN MILES, US  
[72] DIAZ, RICHARD, US  
[71] ASHCROFT INC., US  
[85] 2016-09-23  
[86] 2015-04-02 (PCT/US2015/024008)  
[87] (WO2015/153842)  
[30] US (14/244,372) 2014-04-03

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[21] **2,943,855**  
[13] A1

[51] **Int.Cl. C10G 1/10 (2006.01) C10G 19/00 (2006.01) C10G 19/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR CONDITIONING SYNTHETIC CRUDE OIL**

[54] **SYSTEMES ET PROCEDES DE CONDITIONNEMENT D'HUILE BRUTE DE SYNTHESE**

[72] BENNETT, JAMES MICHAEL, US

[72] DEWHITT, KEVIN CLARK, US

[71] AGILYX CORPORATION, US

[85] 2016-09-23

[86] 2014-04-07 (PCT/US2014/033215)

[87] (WO2014/165859)

[30] US (61/809,348) 2013-04-06

[21] **2,943,856**  
[13] A1

[51] **Int.Cl. H04N 13/04 (2006.01) H04N 19/597 (2014.01) G02B 27/01 (2006.01) G03B 37/04 (2006.01) G06F 3/01 (2006.01) H04N 13/00 (2006.01) H04N 13/02 (2006.01)**

[25] EN

[54] **STEREO VIEWING**

[54] **VISUALISATION STEREOSCOPIQUE**

[72] GRONHOLM, KIM, FI

[72] BALDWIN, ANDREW ROBERT, FI

[71] NOKIA TECHNOLOGIES OY, FI

[85] 2016-09-26

[86] 2015-03-19 (PCT/FI2015/050184)

[87] (WO2015/155406)

[30] GB (1406201.2) 2014-04-07

[21] **2,943,858**  
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/166 (2006.01)**

[25] EN

[54] **TRKA KINASE INHIBITORS, COMPOSITIONS AND METHODS THEREOF**

[54] **INHIBITEURS DE LA KINASE TRKA, COMPOSITIONS EN CONTENANT ET METHODES ASSOCIEES**

[72] MITCHELL, HELEN, US

[72] FRALEY, MARK E., US

[72] COOKE, ANDREW J., US

[72] CHEN, YI-HENG, US

[72] STUMP, CRAIG A., US

[72] ZHANG, XU-FANG, US

[72] MCCOMAS, CASEY C., US

[72] SCHIRRIPA, KATHY, US

[72] MCWHERTER, MELODY, US

[72] MERCER, SWATI P., US

[72] BABAOGU, KERIM, US

[72] MENG, DONGFANG, US

[72] WU, JANE, US

[72] LIU, PING, US

[72] WOOD, HAROLD B., US

[72] BAO, JIANMING, CN

[72] LI, CHUN SING, CN

[72] MAO, QINGHUA, CN

[72] QI, ZHIQI, CN

[71] MERCK SHARP & DOHME CORP., US

[71] MSD R&D (CHINA) CO., LTD., CN

[85] 2016-09-23

[86] 2015-03-23 (PCT/US2015/021936)

[87] (WO2015/148344)

[30] CN (PCT/CN2014/074145) 2014-03-26

[21] **2,943,874**  
[13] A1

[51] **Int.Cl. A61K 31/503 (2006.01) C07D 209/96 (2006.01) C07D 221/20 (2006.01)**

[25] EN

[54] **SUBSTITUTED SPIROCYDIC INHIBITORS OF AUTOTAXIN**

[54] **INHIBITEURS SPIROCYCLIQUES SUBSTITUES DE L'AUTOTAXINE**

[72] BABISS, LEE, US

[72] CLARK, MATTHEW, US

[72] KEEFE, ANTHONY D., US

[72] MULVIHILL, MARK J., US

[72] NI, HAIHONG, US

[72] RENZETTI, LOUIS, US

[72] RUEBSAM, FRANK, US

[72] WANG, CE, US

[72] XIE, ZHIFENG, US

[72] ZHANG, YING, US

[71] X-RX, INC., US

[85] 2016-09-23

[86] 2015-04-03 (PCT/US2015/024338)

[87] (WO2015/154023)

[30] US (61/975,123) 2014-04-04

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[21] **2,943,877**  
[13] A1

[51] **Int.Cl. A61K 31/444 (2006.01) A61K 31/519 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **MGLU2/3 ANTAGONISTS FOR THE TREATMENT OF INTELLECTUAL DISABILITIES**

[54] **ANTAGONISTES DE MGLU2/3 POUR LE TRAITEMENT DE TROUBLES DES FACULTES INTELLECTUELLES**

[72] BALLARD, THERESA M., FR

[72] GATTI MCARTHUR, SILVIA, CH

[72] SAXE, MICHAEL, CH

[72] WICHMANN, JUERGEN, DE

[72] WOLTERING, THOMAS, DE

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2016-09-26

[86] 2015-04-20 (PCT/EP2015/058466)

[87] (WO2015/162076)

[30] EP (14165632.2) 2014-04-23

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[13] A1

[51] **Int.Cl. C07H 21/04 (2006.01) C12N 15/113 (2010.01) C12N 15/115 (2010.01)**

[25] EN

[54] **OLIGONUCLEOTIDE COMPOSITIONS AND METHODS OF MAKING THE SAME**

[54] **COMPOSITIONS D'OLIGONUCLEOTIDES ET LEURS PROCEDES DE PREPARATION**

[72] RAMIYA, PREMCHANDRAN H., US  
[71] GERON CORPORATION, US  
[85] 2016-09-23  
[86] 2015-04-29 (PCT/US2015/028327)  
[87] (WO2015/168310)  
[30] US (61/987,396) 2014-05-01  
[30] US (62/151,909) 2015-04-23

[21] **2,943,892**  
[13] A1

[51] **Int.Cl. B02C 19/18 (2006.01)**

[25] EN

[54] **METHOD FOR FRAGMENTING A ROD-LIKE MATERIAL, IN PARTICULAR MADE OF POLYCRYSTALLINE SILICON**

[54] **PROCEDE POUR FRAGMENTER UN MATERIAU EN FORME DE BARRE, EN PARTICULIER EN SILICIUM POLYCRISTALLIN**

[72] KAPPELER, JOHANNES, CH  
[72] WEH, ALEXANDER, CH  
[72] KALKE, JURGEN, CH  
[72] MULLER-SIEBERT, REINHARD, CH  
[72] KOLLY, JOEL, CH  
[72] MORACH, MARION ESTHER, CH  
[71] SELFRAG AG, CH  
[85] 2016-09-26  
[86] 2014-03-26 (PCT/CH2014/000039)  
[87] (WO2015/143572)

[21] **2,943,894**  
[13] A1

[51] **Int.Cl. C12N 5/00 (2006.01) A61K 38/00 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR MODULATING COMPLEMENT FACTOR B EXPRESSION**

[54] **COMPOSITIONS ET PROCEDES POUR MODULER L'EXPRESSION DU FACTEUR B DU COMPLEMENT**

[72] PRAKASH, THAZHA P., US  
[72] SETH, PUNIT P., US  
[72] SWAYZE, ERIC E., US  
[72] GROSSMAN, TAMAR R., US  
[72] MCCALEB, MICHAEL L., US  
[72] WATT, ANDREW T., US  
[72] FREIER, SUSAN M., US  
[71] IONIS PHARMACEUTICALS, INC., US

[85] 2016-09-23  
[86] 2015-05-01 (PCT/US2015/028916)  
[87] (WO2015/168635)  
[30] US (61/987,471) 2014-05-01  
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[21] **2,943,895**  
[13] A1

[51] **Int.Cl. G01V 3/10 (2006.01) G01D 5/12 (2006.01) G08C 21/00 (2006.01)**

[25] EN

[54] **APPARATUS, SYSTEM AND METHOD FOR REMOTE LOCALISATION OF A MARKER USING MAGNETIC FIELDS**

[54] **APPAREIL, SYSTEME ET PROCEDE DE LOCALISATION A DISTANCE D'UN MARQUEUR AU MOYEN DE CHAMPS MAGNETIQUES.**

[72] APPLEBY, RODNEY, AU  
[72] SPATHIS, ALEXANDER THEOFILE, AU  
[72] BLAY, KYLE, AU  
[72] LESLIE, KEITH, AU  
[72] BICK, MARCEL, AU  
[72] WICKS, BYRON, AU  
[71] ORICA INTERNATIONAL PTE LTD, SG  
[71] THE COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU  
[85] 2016-09-26  
[86] 2015-03-23 (PCT/AU2015/050120)  
[87] (WO2015/143500)  
[30] AU (2014901100) 2014-03-27

[21] **2,943,898**  
[13] A1

[51] **Int.Cl. F04B 47/02 (2006.01) F04B 49/00 (2006.01)**

[25] EN

[54] **SUBTERRANEAN PUMP WITH PUMP CLEANING MODE**

[54] **POMPE SOUTERRAINE AVEC MODE DE NETTOYAGE DE POMPE**

[72] PETERSON, RONALD G., US  
[72] BENDER, JONATHAN D., US  
[71] UNICO, INC., US  
[85] 2016-09-23  
[86] 2015-05-06 (PCT/US2015/029510)  
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[30] US (61/990,492) 2014-05-08  
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[13] A1

[51] **Int.Cl. C02F 3/32 (2006.01)**

[25] EN

[54] **PRODUCING ALGAL BIOMASS AND PRODUCTS FROM ORGANIC SOLID MATERIAL**

[54] **PRODUCTION DE BIOMASSE ET DE PRODUITS D'ALGUES A PARTIR D'UNE MATIERE ORGANIQUE SOLIDE**

[72] JU, LU-KWANG, US  
[72] LI, CONG, US  
[72] XIAO, SUO, US  
[71] THE UNIVERSITY OF AKRON, US  
[85] 2015-11-25  
[86] 2014-05-30 (PCT/US2014/040180)  
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[13] A1

[51] **Int.Cl. C01D 13/00 (2006.01) C01B 25/10 (2006.01) C10G 3/00 (2006.01)**

[25] EN

[54] **PRODUCTION OF A HEXAFLUOROPHOSPHATE SALT AND OF PHOSPHOROUS PENTAFLUORIDE**

[54] **PRODUCTION D'UN SEL D'HEXAFLUOROPHOSPHATE ET DE PENTAFLUORURE DE PHOSPHORE**

[72] LEKGOATHI, MPHONG DIPHAGO STANLEY, ZA

[72] LE ROUX, JOHANNES PETRUS, ZA

[71] THE SOUTH AFRICAN NUCLEAR ENERGY CORPORATION LIMITED, ZA

[85] 2016-09-26

[86] 2014-03-31 (PCT/IB2014/060328)

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[21] **2,943,906**  
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 47/00 (2006.01) C07K 14/505 (2006.01)**

[25] EN

[54] **LIQUID PHARMACEUTICAL COMPOSITION OF CONJUGATED ERYTHROPOIETIN**

[54] **COMPOSITION PHARMACEUTIQUE LIQUIDE D'ERYTHROPOIETINE CONJUGUEE**

[72] CHHATBAR, CHANDRESH, IN

[72] PANDEY, VIJAYKANT, IN

[72] CHAUHAN, NILDIP, IN

[71] INTAS PHARMACEUTICALS LTD., IN

[85] 2016-09-26

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[30] IN (1366/mum/2014) 2014-03-29

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[51] **Int.Cl. B23K 11/11 (2006.01) B23K 11/14 (2006.01)**

[25] EN

[54] **WELDING APPARATUS**

[54] **APPAREIL DE SOUDAGE**

[72] AOYAMA, SHOJI, JP

[72] AOYAMA, YOSHITAKA, JP

[71] AOYAMA, SHOJI, JP

[85] 2016-09-26

[86] 2014-03-27 (PCT/JP2014/058965)

[87] (WO2015/145685)

[21] **2,943,908**  
[13] A1

[51] **Int.Cl. G10D 13/00 (2006.01)**

[25] FR

[54] **ACOUSTIC DRUM KIT, AND ENSEMBLE OF MUSICAL INSTRUMENTS COMPRISING SUCH AN ACOUSTIC DRUM KIT**

[54] **BATTERIE ACOUSTIQUE, AINSI QU'ENSEMBLE INSTRUMENTAL MUSICAL COMPORTANT UNE TELLE BATTERIE ACOUSTIQUE**

[72] PINELLI, DARIO, IT

[71] SAVAREZ, FR

[85] 2016-09-26

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[30] IT (TA2014U000003) 2014-03-27

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[13] A1

[51] **Int.Cl. G02B 27/30 (2006.01) F21V 5/04 (2006.01) F21V 7/00 (2006.01) F21V 13/04 (2006.01)**

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[54] **OPTICAL COLLIMATOR**

[54] **COLLIMATEUR OPTIQUE**

[72] LAURET, JEAN-PIERRE, FR

[71] GAGGIONE SAS, FR

[85] 2016-09-26

[86] 2015-03-18 (PCT/FR2015/050655)

[87] (WO2015/145026)

[30] FR (14/52747) 2014-03-28

[21] **2,943,910**  
[13] A1

[51] **Int.Cl. B01D 61/36 (2006.01) B01D 63/00 (2006.01) B01D 69/02 (2006.01) B01D 69/04 (2006.01) B01D 69/10 (2006.01) B01D 69/12 (2006.01)**

[25] EN

[54] **MONOLITHIC SEPARATION MEMBRANE STRUCTURE, METHOD FOR PRODUCING MONOLITHIC SEPARATION MEMBRANE STRUCTURE, AND METHOD FOR DEHYDRATING STRUCTURE DE MEMBRANE DE SEPARATION MONOLITHIQUE, PROCEDE DE FABRICATION DE STRUCTURE DE MEMBRANE DE SEPARATION MONOLITHIQUE ET PROCEDE DE DESHYDRATATION ASSOCIE**

[72] TERANISHI, MAKOTO, JP

[72] ICHIKAWA, AKIMASA, JP

[72] SUZUKI, HIDEYUKI, JP

[71] NGK INSULATORS, LTD., JP

[85] 2016-09-26

[86] 2015-02-27 (PCT/JP2015/055936)

[87] (WO2015/146488)

[30] JP (2014-068606) 2014-03-28

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[13] A1

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[25] FR

[54] **OPTOELECTRONIC SURVEILLANCE SYSTEM WITH VARIABLE OPTICAL FIELD**

[54] **SYSTEME DE VEILLE OPTRONIQUE A CHAMP OPTIQUE VARIABLE**

[72] BOEHM, BERNARD, FR

[72] ECHARD, PAUL, FR

[71] SAFRAN ELECTRONICS & DEFENSE, FR

[85] 2016-09-26

[86] 2015-03-27 (PCT/EP2015/056808)

[87] (WO2015/144920)

[30] FR (1452727) 2014-03-28

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[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/06 (2006.01) A61M 16/20 (2006.01)**  
[25] EN  
[54] **RESPIRATORY ASSISTANCE APPARATUS**  
[54] **APPAREIL D'ASSISTANCE RESPIRATOIRE**  
[72] NITTA, KAZUFUKU, JP  
[71] METRAN CO., LTD., JP  
[85] 2016-09-26  
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[87] (WO2015/147210)  
[30] JP (2014-063853) 2014-03-26

[21] **2,943,919**  
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K 39/395 (2006.01) A61K 47/00 (2006.01)**  
[25] EN  
[54] **LYOPHILIZED PHARMACEUTICAL COMPOSITION OF FC-PEPTIDE FUSION PROTEIN**  
[54] **COMPOSITION PHARMACEUTIQUE LYOPHILISEE DE PROTEINE FUSIONNEE AVEC UN FC-PEPTIDE**  
[72] GADGIL, HIMANSHU, IN  
[72] CHHATBAR, CHANDRESH, IN  
[72] PANDEY, VIJAYKANT, IN  
[71] INTAS PHARMACEUTICALS LTD., IN  
[85] 2016-09-26  
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[87] (WO2015/150968)  
[30] IN (1367/MUM/2014) 2014-03-29

[21] **2,943,921**  
[13] A1

[51] **Int.Cl. A61K 31/047 (2006.01) A61K 31/09 (2006.01) A61K 36/9066 (2006.01) A61K 36/9068 (2006.01) A61K 47/00 (2006.01) A61P 27/02 (2006.01) A61P 27/12 (2006.01)**  
[25] EN  
[54] **EFFECT OF LIPHILIC NUTRIENTS ON DIABETIC EYE DISEASES**  
[54] **EFFET DE NUTRIMENTS LIPOPHILES SUR DES MALADIES DES YEUX LIEES AU DIABETE**  
[72] DESHPANDE, JAYANT, CA  
[72] JEYAKODI, SHANKARANARAYANAN, IN  
[71] OMNIACTIVE HEALTH TECHNOLOGIES LIMITED, IN  
[85] 2016-09-26  
[86] 2015-03-26 (PCT/IB2015/052248)  
[87] (WO2015/145389)  
[30] IN (1128/MUM/2014) 2014-03-28

[21] **2,943,922**  
[13] A1

[51] **Int.Cl. B23B 51/00 (2006.01) B23C 5/10 (2006.01) B23C 5/16 (2006.01)**  
[25] EN  
[54] **ROTARY CUTTING TOOL INCLUDING POLYCRYSTALLINE DIAMOND MATERIAL**  
[54] **OUTIL DE COUPE ROTATIF POSSEDANT UN CORPS FRITTE EN DIAMANT POLYCRISTALLIN**  
[72] MATSUO, TOSHIHIKO, JP  
[72] AKHMADI, EKO WARDOVO, JP  
[72] SAKURAZAWA, CHIHIRO, JP  
[72] OHASHI, TADAKAZU, JP  
[71] MITSUBISHI MATERIALS CORPORATION, JP  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/JP2015/059633)  
[87] (WO2015/147264)  
[30] JP (2014-070336) 2014-03-28  
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[21] **2,943,925**  
[13] A1

[51] **Int.Cl. A61M 16/00 (2006.01)**  
[25] EN  
[54] **PRESSURIZING MASKS, SYSTEMS AND METHODS**  
[54] **MASQUES, SYSTEMES ET PROCEDES DE PRESSURISATION**  
[72] O'DONNELL, KEVIN PETER, NZ  
[72] KIRTON, ROBERT STUART, NZ  
[72] TATKOV, STANISLAV, NZ  
[72] BABBAGE, SEAN JOEL, NZ  
[72] BARKER, DEAN ANTONY, NZ  
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ  
[85] 2016-09-26  
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[30] US (61/971,464) 2014-03-27

[21] **2,943,927**  
[13] A1

[51] **Int.Cl. C10L 1/00 (2006.01)**  
[25] EN  
[54] **PROCESS AND DEVICE FOR PRODUCING FUEL HYDROCARBON OIL**  
[54] **PROCEDE ET DISPOSITIF DE PRODUCTION D'HUILE HYDROCARBONNEE COMBUSTIBLE**  
[72] KATO, ATSUSHI, JP  
[71] ROYAL CORPORATION CO., LTD., JP  
[71] SAEGUSA, EIJI, JP  
[85] 2016-09-26  
[86] 2015-03-30 (PCT/JP2015/059966)  
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[30] JP (2014-069467) 2014-03-28

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[13] A1

[51] **Int.Cl. C01F 11/18 (2006.01)**  
[25] EN  
[54] **CALCIUM CARBONATE MICROPARTICLES AND PROCESSES FOR PREPARING THEM**  
[54] **MICROPARTICULES DE CARBONATE DE CALCIUM ET PROCEDE DE FABRICATION CORRESPONDANT**  
[72] FUKUOKA, MOE, JP  
[72] NAKATANI, TORU, JP  
[72] GOTO, SHISEI, JP  
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP  
[85] 2016-09-26  
[86] 2015-03-31 (PCT/JP2015/060200)  
[87] (WO2015/152269)  
[30] JP (2014-071680) 2014-03-31  
[30] JP (2014-073570) 2014-03-31  
[30] JP (2014-073629) 2014-03-31

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[13] A1

[51] **Int.Cl. G01R 31/36 (2006.01) G01R 27/02 (2006.01) H01M 10/48 (2006.01) H02J 7/00 (2006.01)**  
[25] EN  
[54] **DIAGNOSIS DEVICE AND DIAGNOSIS METHOD**  
[54] **DISPOSITIF ET PROCEDE DE MESURE D'IMPEDANCE**  
[72] SAKAI, MASANOBU, JP  
[72] MATSUMOTO, MICHIIHIKO, JP  
[72] AOKI, TETSUYA, JP  
[71] NISSAN MOTOR CO., LTD., JP  
[85] 2016-09-26  
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[87] (WO2015/145615)

[21] **2,943,934**  
[13] A1

[51] **Int.Cl. H04W 4/02 (2009.01)**  
[25] FR  
[54] **METHOD FOR TRACKING THE PRESENCE OF A PERSON NEAR A PREDEFINED GEOLOCATED POINT**  
[54] **PROCEDE DE SUIVI DE PRESENCE**  
[72] GONNET, STEFAN, FR  
[72] FREUDMANN, MICHAEL, IL  
[71] EDEVICE, FR  
[85] 2016-09-26  
[86] 2015-03-23 (PCT/FR2015/050722)  
[87] (WO2015/145052)  
[30] FR (1452625) 2014-03-27

[21] **2,943,935**  
[13] A1

[51] **Int.Cl. C08F 8/12 (2006.01) C07C 231/12 (2006.01) C07C 233/03 (2006.01) C08F 26/02 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING VINYLAMINE UNIT-CONTAINING POLYMER AND POLYMERIZATION PRODUCT**  
[54] **PROCEDE DE PRODUCTION D'UN POLYMERE CONTENANT DES UNITES VINYLE-AMINE ET PRODUIT DE POLYMERISATION**  
[72] ISHII, AKIHIRO, JP  
[72] MORI, YASUHARU, JP  
[71] MITSUBISHI RAYON CO., LTD., JP  
[85] 2016-09-26  
[86] 2015-04-06 (PCT/JP2015/060747)  
[87] (WO2015/156251)  
[30] JP (2014-079413) 2014-04-08

[21] **2,943,938**  
[13] A1

[51] **Int.Cl. A61K 38/57 (2006.01) A61P 11/00 (2006.01) A61P 37/06 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR PREPARING A SUBJECT FOR ORGAN OR NON-ORGAN IMPLANTATION**  
[54] **COMPOSITIONS ET METHODES POUR PREPARER UN SUJET A L'IMPLANTATION D'UN ORGANE OU D'UN NON-ORGANE**  
[72] GOTTLIEB, PETER, US  
[72] DINARELLO, CHARLES A., US  
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US  
[85] 2016-09-26  
[86] 2014-03-26 (PCT/US2014/031848)  
[87] (WO2014/160768)  
[30] US (61/806,646) 2013-03-29

[21] **2,943,942**  
[13] A1

[51] **Int.Cl. G01B 7/16 (2006.01) B82Y 30/00 (2011.01) G01L 1/18 (2006.01) G01L 1/20 (2006.01)**  
[25] EN  
[54] **AN ACQUISITION DEVICE, A METHOD OF FABRICATING IT, AND A METHOD OF MEASURING FORCE**  
[54] **DISPOSITIF D'ACQUISITION, PROCEDE DE FABRICATION DE CELUI-CI, PROCEDE DE MESURE DE FORCE**  
[72] LEBENTAL, BERENGERE, FR  
[72] GHADDAB, BOUTHEINA, FR  
[72] GAUDEFROY, VINCENT, FR  
[72] RUIZ-HITZKY, EDUARDO, ES  
[72] ARANDA GALLEGO, PILAR, ES  
[72] RUIZ GARCIA, CRISTINA, FR  
[72] HENNINGS, BIRGER, US  
[71] INSTITUT FRANCAIS DES SCIENCES ET TECHNOLOGIES DES TRANSPORTS, DE L'AMENAGEMENT ET DES RESEAUX, FR  
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES  
[71] ECOLE POLYTECHNIQUE, FR  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/FR2015/050805)  
[87] (WO2015/150676)  
[30] FR (1452842) 2014-03-31

[21] **2,943,943**  
[13] A1

[51] **Int.Cl. C07K 16/30 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**  
[25] EN  
[54] **IMMUNOACTIVATING ANTIGEN-BINDING MOLECULE**  
[54] **MOLECULE D'IMMUNOACTIVATION DE LIAISON A UN ANTIGENE**  
[72] IGAWA, TOMOYUKI, JP  
[72] MIYAZAKI, TARO, JP  
[72] TANIGUCHI, KENJI, JP  
[72] HIRONIWA, NAOKA, JP  
[71] CHUGAI SEIYAKU KABUSHIKI-KAISHA, JP  
[85] 2016-09-26  
[86] 2015-04-07 (PCT/JP2015/060794)  
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[30] JP (2014-078457) 2014-04-07  
[30] JP (2014-264589) 2014-12-26

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[13] A1

[51] **Int.Cl. E21B 25/00 (2006.01)**  
[25] EN  
[54] **CORING SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE**  
**CAROTTAGE**

[72] ARSLAN, HAYDAR, US  
[72] WONG, PATRICK C., US  
[72] CURRY, TREVOR A., CA  
[71] EXXONMOBIL UPSTREAM  
RESEARCH COMPANY, US  
[85] 2016-09-30  
[86] 2015-02-24 (PCT/US2015/017381)  
[87] (WO2015/153016)  
[30] US (61/975,529) 2014-04-04

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[21] **2,943,950**  
[13] A1

[51] **Int.Cl. G02B 23/02 (2006.01)**  
[25] EN  
[54] **TELESCOPE AND TELESCOPE**  
**ARRAY FOR USE IN**  
**SPACECRAFT**

[54] **TELESCOPE ET RESEAU DE**  
**TELESCOPES UTILISABLES**  
**DANS UN ASTRONEF**

[72] ZHAO, BO, US  
[72] GUZMAN, RAFAEL, US  
[71] UNIVERSITY OF FLORIDA  
RESEARCH FOUNDATION,  
INCORPORATED, US  
[85] 2016-09-23  
[86] 2015-03-23 (PCT/US2015/021996)  
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[30] US (14/224,134) 2014-03-25

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[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C07H**  
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**C40B 40/06 (2006.01) C40B 40/10**  
**(2006.01) G01N 33/48 (2006.01)**

[25] EN  
[54] **GENETIC MARKERS FOR**  
**ANTIPSYCHOTIC INDUCED**  
**WEIGHT GAIN AND METHODS**  
**FOR USE THEREOF**

[54] **MARQUEURS GENETIQUES**  
**POUR LE GAIN DE POIDS INDUIT**  
**PAR LES ANTIPSYCHOTIQUES**  
**ET PROCEDES D'UTILISATION**  
**DE CEUX-CI**

[72] ZAI, CLEMENT C., CA  
[72] KENNEDY, JAMES L., CA  
[72] MUELLER, DANIEL J., CA  
[71] CENTRE FOR ADDICTION AND  
MENTAL HEALTH, CA  
[85] 2016-04-15  
[86] 2014-10-17 (PCT/CA2014/051000)  
[87] (WO2015/054792)  
[30] US (61/892,094) 2013-10-17

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[13] A1

[51] **Int.Cl. C07H 19/04 (2006.01)**  
[25] EN  
[54] **CHEMICAL METHODS FOR**  
**PRODUCING TAGGED**  
**NUCLEOTIDES**

[54] **PROCEDES CHIMIQUES POUR**  
**PRODUIRE DES NUCLEOTIDES**  
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[72] FULLER, CARL W., US  
[72] KUMAR, SHIV, US  
[72] JU, JINGYUE, US  
[72] DAVIS, RANDALL, US  
[72] CHEN, ROGER, US  
[71] THE TRUSTEES OF COLUMBIA  
UNIVERSITY IN THE CITY OF NEW  
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[71] GENIA TECHNOLOGIES, INC., US  
[85] 2016-09-23  
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[13] A1

[51] **Int.Cl. F41C 33/02 (2006.01)**  
[25] EN  
[54] **KNIFE SHEATH**  
[54] **GAINNE DE COUTEAU**

[72] BENTON, GEORGE A., US  
[72] LOWSKY, JOHN, US  
[72] RIBER, EZRA, US  
[71] PALMETTO SUPPORT  
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[51] **Int.Cl. G01F 11/24 (2006.01) A47F**  
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[54] **DRY PRODUCT DISPENSER WITH**  
**REPLACEABLE PORTION**  
**CONTROL CONTAINERS AND**  
**RATCHETING HANDLE**

[54] **DISTRIBUTEUR DE PRODUIT SEC**  
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[72] RUSCH, GERALD A., US  
[71] SERVER PRODUCTS, INC., US  
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[25] EN

[54] **METHODS, DEVICES, AND SYSTEMS FOR THE FABRICATION OF MATERIALS AND TISSUES UTILIZING ELECTROMAGNETIC RADIATION**

[54] **PROCEDES, DISPOSITIFS ET SYSTEMES PERMETTANT DE FABRIQUER DES MATERIAUX ET DES TISSUS EN UTILISANT UN RAYONNEMENT ELECTROMAGNETIQUE**

[72] SOLORZANO, RICARDO D., US

[72] HASHMI, SOHAIB K., US

[72] CABRERA, DANIEL, US

[71] BIOBOTS, INC., US

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[54] **PREVISION DE DONNEES DE PRODUCTION POUR Puits EXISTANTS ET NOUVEAUX**

[72] SINGH, AJAY PRATAP, US

[71] LANDMARK GRAPHICS CORPORATION, US

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[54] **MOBILE DEVICE AND SERVER FOR VOICE AND/OR DATA EXCHANGE**

[54] **DISPOSITIF MOBILE ET SERVEUR A DES FINS D'ECHANGE DE VOIX ET/OU DE DONNEES**

[72] TER SCHURE, PETRUS SIEBRANDUS, NL

[71] VIPCONN B.V., NL

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[25] EN

[54] **METHOD FOR ASSOCIATING MEDIA FILES WITH ADDITIONAL CONTENT**

[54] **PROCEDE D'ASSOCIATION DE FICHIERS MULTIMEDIAS A UN CONTENU SUPPLEMENTAIRE**

[72] BILLGREN, JOHAN, SE

[72] EMTINGER, MIKAEL, SE

[72] AHLSTRAND, LARS MARKUS, SE

[71] ACAST AB, SE

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[51] **Int.Cl. G01L 3/10 (2006.01) G01D 5/12 (2006.01) G01P 3/44 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR REDUCING ROTATION NOISE IN A MAGNETOELASTIC DEVICE AND MEASURING TORQUE, SPEED, AND ORIENTATION**

[54] **SYSTEMES ET PROCEDES PERMETTANT DE REDUIRE LE BRUIT DE ROTATION DANS UN DISPOSITIF MAGNETO-ELASTIQUE ET DE MESURER LE COUPLE, LA VITESSE, ET L'ORIENTATION**

[72] URSETTA, FRANK, US

[72] SAUTNER, JOSHUA C., US

[71] METHODE ELECTRONICS, INC., US

[85] 2016-09-26

[86] 2015-03-26 (PCT/US2015/022747)

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[54] **JOINTS D'ETANCHEITE AMELIORES POUR FILMS ETIRABLES**

[72] WILCOXEN, KYLE R., US

[72] KIRK, MICHAEL K., US

[71] THE GLAD PRODUCTS COMPANY, US

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[25] EN	[25] EN	[25] EN
[54] <b>COMPUTATIONAL MODEL FOR TRACKING BALL SEALERS IN A WELLBORE</b>	[54] <b>ACOUSTIC DEBLURRING FOR DOWNWELL SENSORS</b>	[54] <b>DETERMINATION OF SUBSTANCE PRESENCE, IDENTITY AND/OR LEVEL IN VESSELS</b>
[54] <b>MODELE DE CALCUL POUR LE SUIVI DES OBTURATEURS A BILLE DANS UN Puits DE FORAGE</b>	[54] <b>DECRYPTAGE ACOUSTIQUE POUR CAPTEURS DE FOND DE Puits</b>	[54] <b>DETERMINATION DE LA PRESENCE, DE L'IDENTITE ET/OU DU NIVEAU D'UNE SUBSTANCE DANS DES CUVES</b>
[72] MADASU, SRINATH, US	[72] STOKELY, CHRISTOPHER LEE, US	[72] NEWMAN, KATERINA V., US
[72] LIN, AVI, US	[72] ELLMAUTHALER, ANDREAS, BR	[72] JAMISON, DALE E., US
[71] HALLIBURTON ENERGY SERVICES, INC., US	[71] HALLIBURTON ENERGY SERVICES, INC., US	[72] MCDANIEL, CATO R., US
[85] 2016-09-26	[85] 2016-09-26	[72] YE, XIANGNAN, US
[86] 2014-05-02 (PCT/US2014/036624)	[86] 2014-05-27 (PCT/US2014/039548)	[71] HALLIBURTON ENERGY SERVICES, INC., US
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[51] <b>Int.Cl. C07D 239/24 (2006.01) C07D 239/28 (2006.01) C07D 239/48 (2006.01) C07D 239/49 (2006.01)</b>	[51] <b>Int.Cl. E21B 28/00 (2006.01) E21B 7/24 (2006.01) E21B 10/60 (2006.01)</b>	[51] <b>Int.Cl. E21B 17/02 (2006.01) E21B 17/04 (2006.01)</b>
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[54] <b>SUBSTITUTED HETEROARYL COMPOUNDS AND METHODS OF USE</b>	[54] <b>FLUIDIC OSCILLATOR BYPASS SYSTEM</b>	[54] <b>SHAPE-MEMORY ALLOY ACTUATED FASTENER</b>
[54] <b>COMPOSES HETEROARYLE SUBSTITUES ET LEURS METHODES D'UTILISATION</b>	[54] <b>SYSTEME DE DERIVATION D'OSCILLATEUR FLUIDIQUE</b>	[54] <b>DISPOSITIF DE FIXATION ACTIONNE PAR ALLIAGE A MEMOIRE DE FORME</b>
[72] XI, NING, US	[72] GREENING, AIMEE K., US	[72] MACDONALD, LORN SCOTT, GB
[72] LI, MINXIONG, CN	[72] HOWARD, ROBERT G., US	[71] HALLIBURTON ENERGY SERVICES, INC., US
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[71] CALITOR SCIENCES, LLC, US	[86] 2014-06-09 (PCT/US2014/041459)	
[71] SUNSHINE LAKE PHARMA CO., LTD., CN	[87] (WO2015/191021)	
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[86] 2015-03-27 (PCT/US2015/022864)	[51] <b>Int.Cl. E21B 21/06 (2006.01) E21B 47/06 (2012.01)</b>	[51] <b>Int.Cl. A61F 9/007 (2006.01)</b>
[87] (WO2015/148869)	[25] EN	[25] EN
[30] US (61/971,552) 2014-03-28	[54] <b>ASSESSMENT AND CONTROL OF DRILLING FLUID CONDITIONING SYSTEM</b>	[54] <b>MINIMAL PULSATION OPHTHALMIC PROBE</b>
	[54] <b>ESTIMATION ET COMMANDE DE SYSTEME DE CONDITIONNEMENT DE FLUIDE DE FORAGE</b>	[54] <b>SONDE OPHTHALMIQUE A PULSATION MINIMALE</b>
	[72] YE, XIANGNAN, US	[72] MCDONELL, BRIAN W., US
	[72] NEWMAN, KATERINA V., US	[71] NOVARTIS AG, CH
	[72] JAMISON, DALE E., US	[85] 2016-09-26
	[72] MCDANIEL, CATO R., US	[86] 2015-02-10 (PCT/US2015/015254)
	[72] HARVEY, TIMOTHY N., US	[87] (WO2015/152995)
	[71] HALLIBURTON ENERGY SERVICES, INC., US	[30] US (14/244,986) 2014-04-04
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[54] **SYSTEMS, DEVICES, AND METHODS FOR TRACKING ABDOMINAL ORIENTATION AND ACTIVITY**  
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE SUIVI D'ACTIVITE ET D'ORIENTATION ABDOMINALE**  
[72] DUGAN, STEPHEN, US  
[71] SMART HUMAN DYNAMICS, INC., US  
[85] 2016-09-26  
[86] 2015-02-19 (PCT/US2015/016540)  
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[54] **LOCATION AND STIMULATION METHODS AND APPARATUSES UTILIZING DOWNHOLE TOOLS**  
[54] **PROCEDES ET APPAREILS DE LOCALISATION ET DE STIMULATION UTILISANT DES OUTILS DE FOND DE TROU**  
[72] HOLDER, BARRY KENT, US  
[72] ORBAN, ANDRE, US  
[72] LERNER, DANIEL MAURICE, US  
[71] SUPERIOR ENERGY SERVICES, LLC, US  
[71] A O INTERNATIONAL II, INC., US  
[85] 2016-09-26  
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[30] US (61/970,775) 2014-03-26  
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[13] A1

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[54] **FORMULATIONS A BASE HUMIDE POUR L'ELIMINATION SELECTIVE DE METAUX NOBLES**  
[72] CHEN, TIANNIU, US  
[72] JIANG, PING, US  
[72] KORZENSKI, MICHAEL B., US  
[71] ENTEGRIS, INC., US  
[85] 2016-09-26  
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[54] **COMPOSITIONS AND METHODS RELATED TO DIAGNOSIS OF PROSTATE CANCER**  
[54] **COMPOSITIONS ET PROCEDES RELATIFS AU DIAGNOSTIC DU CANCER DE LA PROSTATE**  
[72] STEINMILLER, DAVID, US  
[72] LINDER, VINCENT, US  
[72] PETTERSSON, KIM, FI  
[72] LOVGREN, TIMO, FI  
[72] LILJA, HANS, US  
[72] SCARDINO, PETER T., US  
[72] VICKERS, ANDREW J., US  
[71] OPKO DIAGNOSTICS, LLC, US  
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[54] **SHUNT DE MESURE CSF PROGRAMMABLE**  
[72] SAUL, TOM, US  
[72] HOVATEN, KRISTOF, US  
[71] CSFREFRESH INCORPORATED, US  
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[54] **COMPOSITIONS D'ELECTROLYTE CRISTALLIN SOLIDES-SOUPLES**  
[72] ZDILLA, MICHAEL J., US  
[72] WUNDER, STEPHANIE L., US  
[72] CHINNAM, PARAMESWARA RAO, US  
[71] TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US  
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[13] A1

[51] **Int.Cl. A61K 31/715 (2006.01)**  
[25] EN  
[54] **POLYSIALIC ACID AND USE FOR TREATMENT OF NEURODEGENERATIVE AND NEUROINFLAMMATORY DISEASES**  
[54] **ACIDE POLYSIALIQUE ET SON UTILISATION POUR TRAITER DES MALADIES NEURODEGENERATIVES ET NEURO-INFLAMMATOIRES**  
[72] NEUMANN, HARALD, DE  
[72] KOPATZ, JENS, DE  
[72] SHAHRAZ, ANAHITA, IR  
[72] KARLSTETTER, MARCUS, DE  
[72] LANGMANN, THOMAS, DE  
[71] RHEINISCHE FRIEDRICH-WILHELMS UNIVERSITAT BONN, DE  
[71] UNIVERSITAT ZU KOLN, DE  
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[54] **RESEAUX DE DISPOSITIFS CONTEXTUELS DYNAMIQUES**  
[72] GUPTA, VISHAL, US  
[71] DIRO, INC., US  
[85] 2016-09-26  
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[30] US (61/978,478) 2014-04-11  
[30] US (62/021,514) 2014-07-07  
[30] IN (2051/DEL/2014) 2014-07-21  
[30] US (62/112,180) 2015-02-05  
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[13] A1

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[25] EN  
[54] **APPARATUS AND METHODS FOR MANUAL OVERRIDE OF HYDRAULIC CHOKE OR VALVE ACTUATORS**  
[54] **APPAREIL ET PROCEDES PERMETTANT UNE COMMANDE MANUELLE DE SURPASSEMENT D'ACTIONNEURS DE SOUPEPE OU DE DUSE HYDRAULIQUES**  
[72] NICHOLSON, CHRISTOPHER D., US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2016-09-26  
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[30] US (61/970,186) 2014-03-25

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[13] A1

[51] **Int.Cl. A01N 43/00 (2006.01) A01N 43/40 (2006.01) C07D 223/14 (2006.01)**  
[25] EN  
[54] **TREATMENT OF RETT SYNDROME**  
[54] **TRAITEMENT DU SYNDROME DE RETT**  
[72] DAVIS, BONNIE M., US  
[72] BERGER-SWEENEY, JOANNE, US  
[71] EMICIPI LLC, US  
[85] 2016-09-26  
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[30] US (61/969,908) 2014-03-25

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[13] A1

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[25] EN  
[54] **TREATMENT OF AUTISM**  
[54] **TRAITEMENT DE L'AUTISME**  
[72] DAVIS, BONNIE M., US  
[71] SYNAPTEC DEVELOPMENT LLC, US  
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[30] US (61/969,896) 2014-03-25

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[13] A1

[51] **Int.Cl. B01D 24/02 (2006.01) B01D 24/20 (2006.01) B01D 24/22 (2006.01) B01D 24/26 (2006.01) B01D 39/06 (2006.01) B01D 39/20 (2006.01) C10M 175/00 (2006.01) F16N 39/00 (2006.01)**  
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[54] **FILTRATION SYSTEM**  
[54] **SYSTEME DE FILTRATION**  
[72] MCVICKER, KEVIN, US  
[72] HEMKER, TYLER, US  
[71] ASAMA COLDWATER MANUFACTURING INC., US  
[85] 2016-09-26  
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[30] US (61/971,267) 2014-03-27

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[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01) F03D 7/02 (2006.01) F03D 9/00 (2016.01)**  
[25] EN  
[54] **SELF ORIENTING HANGING WINDMILL**  
[54] **EOLIENNE SUSPENDUE A ORIENTATION AUTOMATIQUE**  
[72] COWAP, STEPHEN F., US  
[71] COWAP, STEPHEN F., US  
[85] 2016-09-26  
[86] 2015-03-26 (PCT/US2015/022702)  
[87] (WO2015/148784)  
[30] US (61/970,682) 2014-03-26

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[13] A1

[51] **Int.Cl. E21B 47/26 (2012.01) G06F 19/24 (2011.01) C09K 8/03 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRESENTING DRILLING OPERATIONS INFORMATION**  
[54] **PROCEDE DE PRESENTATION D'INFORMATIONS RELATIVES A DES OPERATIONS DE FORAGE**  
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[72] CHISHOLM, JOHN, US  
[72] COLLINS, GLENN, US  
[72] COLLINS, KATHLEEN, US  
[71] FLOTEK INDUSTRIES, INC., US  
[85] 2016-09-26  
[86] 2015-04-15 (PCT/US2015/026023)  
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[30] US (61/979,970) 2014-04-15

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[13] A1

[51] **Int.Cl. A63F 13/428 (2014.01)**  
[25] EN  
[54] **GAMIFICATION OF ACTIONS IN PHYSICAL SPACE**  
[54] **LUDIFICATION D' ACTIONS DANS UN ESPACE PHYSIQUE**  
[72] FAHMIE, BRIAN, US  
[71] GAME COMPLEX, INC., US  
[85] 2016-09-26  
[86] 2015-03-24 (PCT/US2015/022227)  
[87] (WO2015/148491)  
[30] US (61/971,198) 2014-03-27

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[13] A1

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[25] EN  
[54] **IMPROVED MATTRESS**  
[54] **MATELAS AMELIORE**  
[72] KRIM, PHILIP, US  
[72] PARIKH, NEIL, US  
[72] CHAPIN, JEFF, US  
[71] CASPER SLEEP INC., US  
[85] 2016-09-26  
[86] 2015-04-19 (PCT/US2015/026564)  
[87] (WO2015/164222)  
[30] US (61/982,235) 2014-04-21  
[30] US (14/689,945) 2015-04-17

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[13] A1

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[25] EN  
[54] **ROOF RIDGE INTEGRATED WATER-SHEDDING APPARATUS**  
[54] **APPAREIL D'EVACUATION DES EAUX INTEGRE A UN FAITE DE TOIT**  
[72] MCCLURE, RICHARD R., US  
[71] BLUESCOPE BUILDINGS NORTH AMERICA, INC., US  
[85] 2016-09-26  
[86] 2015-03-24 (PCT/US2015/022316)  
[87] (WO2015/148557)  
[30] US (61/969,460) 2014-03-24

[21] **2,944,033**  
[13] A1

[51] **Int.Cl. G01G 3/16 (2006.01) G01G 17/04 (2006.01) G01N 5/02 (2006.01)**  
[25] EN  
[54] **HIGH PRESSURE UTILIZATION OF QUARTZ CRYSTAL MICROBALANCE**  
[54] **UTILISATION A HAUTE PRESSION D'UNE MICROBALANCE A CRISTAUX DE QUARTZ**  
[72] LACHANCE, JASON, W., US  
[72] SPITZENBERGER, JEFFREY, D., US  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2016-09-26  
[86] 2015-04-20 (PCT/US2015/026696)  
[87] (WO2015/171298)  
[30] US (61/989,850) 2014-05-07

[21] **2,944,034**  
[13] A1

[51] **Int.Cl. A01N 33/02 (2006.01)**  
[25] EN  
[54] **ALKANOLAMINE SULFATE WATER CONDITIONERS**  
[54] **AGENTS DE CONDITIONNEMENT DE L'EAU A BASE DE SULFATE D'ALCANOLAMINE**  
[72] STERN, ALAN J., US  
[72] MEREDITH, MATTHEW T., US  
[71] HUNTSMAN PETROCHEMICAL LLC, US  
[85] 2016-09-26  
[86] 2015-09-16 (PCT/US2015/050330)  
[87] (WO2016/057170)  
[30] US (62/061,929) 2014-10-09

[21] **2,944,036**  
[13] A1

[51] **Int.Cl. A61M 5/178 (2006.01)**  
[25] EN  
[54] **FLUID INFUSION DEVICE**  
[54] **DISPOSITIF DE PERFUSION DE FLUIDE**  
[72] COLE, RUSSELL, US  
[72] CREIGHTON, MICHAEL, US  
[72] JACKSON, ALYSSA, US  
[72] KLOTZ, ARTHUR, US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2016-09-27  
[86] 2015-04-23 (PCT/US2015/027363)  
[87] (WO2015/164649)  
[30] US (61/983,972) 2014-04-24

[21] **2,944,037**  
[13] A1

[51] **Int.Cl. B05B 12/10 (2006.01)**  
[25] EN  
[54] **SPRAYING SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE PULVERISATION**  
[72] SCHERTZ, SCOTT, US  
[71] SCHERTZ AERIAL SERVICE, INC., US  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/US2015/022915)  
[87] (WO2015/148883)  
[30] US (61/972,019) 2014-03-28

[21] **2,944,039**  
[13] A1

[51] **Int.Cl. A61M 5/46 (2006.01)**  
[25] EN  
[54] **CANNULA INSERTION AND RETRACTION DEVICE FOR INFUSION DEVICE**  
[54] **DISPOSITIF D'INTRODUCTION ET DE RETRACTION DE CANULE POUR DISPOSITIF DE PERFUSION**  
[72] COLE, RUSSELL, US  
[72] CREIGHTON, MICHAEL, US  
[72] AMANO, SHUICHI, US  
[72] REUTHER, GARY, US  
[72] KLOTZ, ARTHUR, US  
[72] JACKSON, ALYSSA, US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2016-09-27  
[86] 2015-04-23 (PCT/US2015/027360)  
[87] (WO2015/164647)  
[30] US (61/983,985) 2014-04-24

[21] **2,944,040**  
[13] A1

[51] **Int.Cl. A61M 16/10 (2006.01) B01D 53/14 (2006.01)**  
[25] EN  
[54] **CONTROLLING OXYGEN CONCENTRATOR TIMING CYCLE BASED ON FLOW RATE OF OXYGEN OUTPUT**  
[54] **COMMANDE DE CYCLE DE TEMPORISATION DE CONCENTRATEUR D'OXYGENE SUR BASE DU DEBIT DE LA SORTIE D'OXYGENE**  
[72] HART, BEAU, US  
[71] CAIRE INC., US  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/US2015/022970)  
[87] (WO2015/148911)  
[30] US (61/971,632) 2014-03-28

[21] **2,944,042**  
[13] A1

[51] **Int.Cl. A61N 1/36 (2006.01) A61B 5/04 (2006.01) A61N 1/05 (2006.01) A61N 1/372 (2006.01)**  
[25] EN  
[54] **IMPROVED NEURAL MEASUREMENT**  
[54] **MESURE NEURONALE AMELIOREE**  
[72] SINGLE, PETER SCOTT VALLACK, AU  
[71] SALUDA MEDICAL PTY LTD, AU  
[85] 2016-09-27  
[86] 2015-05-05 (PCT/AU2015/050215)  
[87] (WO2015/168735)  
[30] AU (2014901639) 2014-05-05

[21] **2,944,043**  
[13] A1

[51] **Int.Cl. A61K 38/12 (2006.01) A61K 38/48 (2006.01)**  
[25] EN  
[54] **PEPTIDE INHIBITORS OF BCR-ABL OLIGOMERIZATION**  
[54] **INHIBITEURS PEPTIDIQUES DE L'OLIGOMERISATION DE BCR-ABL**  
[72] LIM, CAROL, US  
[72] BRUNO, BENJAMIN J., US  
[72] MILLER, GEOFFREY D., US  
[72] DIXON, ANDREW S., US  
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US  
[85] 2016-09-26  
[86] 2015-03-25 (PCT/US2015/022417)  
[87] (WO2015/148620)  
[30] US (61/970,329) 2014-03-25

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[13] A1

[51] **Int.Cl. E04C 2/284 (2006.01)**  
[25] EN  
[54] **INSULATED REINFORCED FOAM SHEATHING, REINFORCED ELASTOMERIC VAPOR PERMEABLE AIR BARRIER FOAM PANEL AND METHOD OF MAKING AND USING SAME**  
[54] **ENVELOPPE DE MOUSSE RENFORCEE ISOLEE, PANNEAU DE MOUSSE FORMANT BARRIERE A L'AIR, PERMEABLE A LA VAPEUR, EN MATERIAU ELASTOMERE RENFORCE ET PROCEDE DE MARQUAGE ET D'UTILISATION DE CELUI-CI**  
[72] CIUPERCA, ROMEO ILARIAN, US  
[71] CIUPERCA, ROMEO ILARIAN, US  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/US2015/023012)  
[87] (WO2015/148933)  
[30] US (14/229,566) 2014-03-28

[21] **2,944,047**  
[13] A1

[51] **Int.Cl. G06F 21/00 (2013.01) G06Q 20/40 (2012.01)**  
[25] EN  
[54] **USER AUTHENTICATION**  
[54] **AUTHENTICATION D'UN UTILISATEUR**  
[72] CUFF, PHILIP ANTHONY FREDERICK, AU  
[72] ECKERSLEY-MASLIN, SEBASTIEN JOHN, AU  
[72] KREISER, KAMIL, AU  
[72] PADDISON, JEREMY WAYNE, AU  
[72] GRIEVE, DAVID ROBERT, AU  
[71] TOKEN ONE PTY LTD, AU  
[85] 2016-09-27  
[86] 2014-04-30 (PCT/AU2014/050024)  
[87] (WO2014/176645)  
[30] AU (2013901504) 2013-04-30

[21] **2,944,049**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01)**  
[25] EN  
[54] **ANTIBODIES THAT BIND HUMAN CANNABINOID 1 (CB1) RECEPTOR**  
[54] **ANTICORPS QUI SE LIENT AU RECEPTEUR CANNABINOIDE 1 (CB1) HUMAIN**  
[72] KRETZ-ROMMEL, ANKE, US  
[72] SHI, LEI, CN  
[72] FERRINI, ROGER, US  
[72] YANG, TEDDY, CN  
[72] XU, FEI, US  
[72] CAMPION, BRIAN, US  
[71] BIRD ROCK BIO, INC., US  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/US2015/023108)  
[87] (WO2015/148984)  
[30] CN (PCT/CN2014/074199) 2014-03-27  
[30] CN (PCT/CN2014/081797) 2014-07-08

[21] **2,944,056**  
[13] A1

[51] **Int.Cl. A61N 5/06 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR THERAPEUTIC MANAGEMENT OF COUGH**  
[54] **SYSTEME ET PROCEDE DE GESTION THERAPEUTIQUE DE TOUX**  
[72] ANDERSEN, DAN, US  
[72] THOMAS, GRIFFITH ROGER, US  
[71] CIRCUIT THERAPEUTICS, INC., US  
[85] 2016-09-26  
[86] 2015-03-27 (PCT/US2015/023196)  
[87] (WO2015/149033)  
[30] US (61/971,426) 2014-03-27

[21] **2,944,059**  
[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01)**  
[25] EN  
[54] **COMPACT MECHANICAL PUMP**  
[54] **POMPE MECANIQUE COMPACTE**  
[72] SEALFON, ANDREW L., US  
[71] REPRO-MED SYSTEMS, INC., US  
[85] 2016-09-26  
[86] 2015-03-28 (PCT/US2015/023221)  
[87] (WO2015/149050)  
[30] US (61/971,942) 2014-03-28

[21] **2,944,060**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PREDICTING FETAL AND MATERNAL HEALTH RISKS**  
[54] **SYSTEME ET PROCEDE DE PREDICTION DE RISQUES POUR LA SANTE D'UN FETUS ET D'UNE FUTURE MERE**  
[72] SALAFIA, CAROLYN M., US  
[72] THOMAS, DIANA M., US  
[71] MONTCLAIR STATE UNIVERSITY, US  
[85] 2016-09-26  
[86] 2015-03-30 (PCT/US2015/023257)  
[87] (WO2015/153409)  
[30] US (61/973,565) 2014-04-01

[21] **2,944,065**  
[13] A1

[51] **Int.Cl. G01R 31/02 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR DETECTING AND IDENTIFYING ARCING BASED ON NUMERICAL ANALYSIS**  
[54] **SYSTEMES ET PROCEDES DE DETECTION ET D'IDENTIFICATION D'UNE FORMATION D'ARC D'APRES UNE ANALYSE NUMERIQUE**  
[72] MILLER, WILLIAM, III, US  
[72] MILLER, GARY, US  
[71] HUBBELL INCORPORATED, US  
[85] 2016-09-26  
[86] 2015-03-30 (PCT/US2015/023414)  
[87] (WO2015/153503)  
[30] US (61/973,251) 2014-03-31

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<p style="text-align: center;">[21] <b>2,944,069</b> [13] A1</p> <p>[51] <b>Int.Cl. C07D 403/14 (2006.01) A61P 35/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SIGMA-2 RECEPTOR LIGAND DRUG CONJUGATES AS ANTITUMOR COMPOUNDS, METHODS OF SYNTHESIS AND USES THEREOF</b></p> <p>[54] <b>CONJUGUES LIGAND DU RECEPTEUR SIGMA-2-MEDICAMENT EN TANT QUE COMPOSES ANTITUMORAUX, PROCEDES DE SYNTHESE ET UTILISATIONS DE CES COMPOSES</b></p> <p>[72] HAWKINS, WILLIAM, US</p> <p>[72] MACH, ROBERT, US</p> <p>[72] SPITZER, DIRK, US</p> <p>[72] VANGVERAVONG, SUWANNA, US</p> <p>[72] VAN TINE, BRIAN, US</p> <p>[71] WASHINGTON UNIVERSITY, US</p> <p>[85] 2016-09-26</p> <p>[86] 2015-04-01 (PCT/US2015/023954)</p> <p>[87] (WO2015/153814)</p> <p>[30] US (61/973,366) 2014-04-01</p>	<p style="text-align: center;">[21] <b>2,944,072</b> [13] A1</p> <p>[51] <b>Int.Cl. E03D 11/14 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>WALL-HUNG TOILET WITH IMPROVED LOAD-BEARING CAPACITY</b></p> <p>[54] <b>TOILETTES FIXEES AU MUR AYANT UNE CAPACITE DE SUPPORT DE CHARGE AMELIOREE</b></p> <p>[72] BUCHER, CHRISTOPHE, US</p> <p>[72] GROVER, DAVID, US</p> <p>[71] AS IP HOLDCO, LLC, US</p> <p>[85] 2016-04-14</p> <p>[86] 2014-10-23 (PCT/US2014/062046)</p> <p>[87] (WO2015/061615)</p> <p>[30] US (61/894,763) 2013-10-23</p>	<p style="text-align: center;">[21] <b>2,944,111</b> [13] A1</p> <p>[51] <b>Int.Cl. G01N 1/22 (2006.01) G01N 27/62 (2006.01) G01N 33/00 (2006.01) H01J 49/04 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DETECTOR INLET AND SAMPLING METHOD</b></p> <p>[54] <b>ENTREE DE DETECTEUR ET PROCEDE</b></p> <p><b>D'ECHANTILLONNAGE</b></p> <p>[72] CLARK, ALASTAIR, GB</p> <p>[72] GRANT, BRUCE, GB</p> <p>[72] EASTON, MATTHEW, GB</p> <p>[72] FOURNIER, FREDERIC, GB</p> <p>[71] SMITHS DETECTION-WATFORD LIMITED, GB</p> <p>[85] 2016-09-27</p> <p>[86] 2015-03-24 (PCT/GB2015/050870)</p> <p>[87] (WO2015/145132)</p> <p>[30] GB (1405561.0) 2014-03-27</p>
<p style="text-align: center;">[21] <b>2,944,085</b> [13] A1</p> <p>[51] <b>Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 47/48 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>ANTI-EGFR ANTIBODY AND USES OF SAME</b></p> <p>[54] <b>ANTICORPS ANTI-EGFR ET LEURS UTILISATIONS</b></p> <p>[72] TSAO, ERIC, US</p> <p>[71] EASE CHARM LIMITED, VG</p> <p>[85] 2016-09-30</p> <p>[86] 2015-09-15 (PCT/US2015/050131)</p> <p>[87] (WO2016/044234)</p> <p>[30] US (62/051,126) 2014-09-16</p>		

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[13] A1

[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/427 (2006.01) A61P 39/00 (2006.01)**  
[25] EN  
[54] **SULFONAMIDE COMPOUNDS AS VOLTAGE GATED SODIUM CHANNEL MODULATORS COMPOSES SULFONAMIDES COMME MODULATEURS DES CANAUX SODIQUES POTENTIEL-DEPENDANTS**  
[72] RAMDAS, VIDYA, IN  
[72] LORIYA, RAJESHKUMAR MAGANLAL, IN  
[72] WALKE, DEEPAK SAHEBRAO, IN  
[72] DAS, AMIT KUMAR, IN  
[72] KHAN, TALHA HUSSAIN, IN  
[72] BANERJEE, MOLOY, IN  
[72] PALLE, VENKATA P., IN  
[72] KAMBOJ, RAJENDER KUMAR, IN  
[71] LUPIN LIMITED, IN  
[85] 2016-09-27  
[86] 2015-03-27 (PCT/IB2015/052273)  
[87] (WO2015/151001)  
[30] IN (1170/MUM/2014) 2014-03-29  
[30] IN (566/MUM/2015) 2015-02-20

[21] **2,944,120**  
[13] A1

[51] **Int.Cl. G01M 15/14 (2006.01) F02K 9/00 (2006.01) F02K 9/56 (2006.01) F02K 9/96 (2006.01) G06N 3/02 (2006.01)**  
[25] FR  
[54] **METHOD AND DEVICE FOR MONITORING A PARAMETER OF A ROCKET ENGINE PROCEDE ET DISPOSITIF DE SURVEILLANCE D'UN PARAMETRE D'UN MOTEUR DE FUSEE**  
[72] ROMET, ANTOINE, FR  
[72] LE GONIDEC, SERGE, FR  
[72] MALIKOV, DIMITRI, FR  
[72] GAZAGNES, JONATHAN, FR  
[71] SAFRAN AIRCRAFT ENGINES, FR  
[85] 2016-09-27  
[86] 2015-04-02 (PCT/FR2015/050858)  
[87] (WO2015/150706)  
[30] FR (1452954) 2014-04-03

[21] **2,944,122**  
[13] A1

[51] **Int.Cl. C07H 15/04 (2006.01) A61K 31/7028 (2006.01) A61P 29/00 (2006.01) A61P 31/04 (2006.01) A61P 37/08 (2006.01)**  
[25] EN  
[54] **SIALIC ACID DERIVATIVES DERIVES D'ACIDE SIALIQUE**  
[72] BROSSMER, REINHARD, DE  
[72] PRESCHER, HORST, CH  
[71] BROSSMER, REINHARD, DE  
[71] PRESCHER, HORST, CH  
[85] 2016-09-26  
[86] 2015-02-25 (PCT/EP2015/053884)  
[87] (WO2015/128344)  
[30] EP (14156512.7) 2014-02-25

[21] **2,944,123**  
[13] A1

[51] **Int.Cl. D21C 3/02 (2006.01) D21C 3/06 (2006.01) D21C 5/00 (2006.01) D21H 11/12 (2006.01)**  
[25] EN  
[54] **A CONTINUOUS PROCESS FOR PRODUCTION OF CELLULOSE PULP FROM GRASS-LIKE PLANT FEEDSTOCK PROCEDE CONTINU DE PRODUCTION DE PATE DE CELLULOSE A PARTIR DE MATIERES PREMIERES VEGETALES SEMBLABLES A L'HERBE**  
[72] MIKULIC, MARINKO, HR  
[71] MIKULIC, MARINKO, HR  
[85] 2016-09-27  
[86] 2014-03-31 (PCT/HR2014/000015)  
[87] (WO2015/150841)

[21] **2,944,127**  
[13] A1

[51] **Int.Cl. F16L 33/207 (2006.01) B21D 17/02 (2006.01) B21D 39/04 (2006.01)**  
[25] EN  
[54] **BUSHING FOR THE CONNECTION OF TWO TUBULAR ELEMENTS AND METHOD FOR THE PRODUCTION THEREOF BAGUE POUR LE RACCORDEMENT DE DEUX ELEMENTS TUBULAIRES ET PROCEDE DE PRODUCTION ASSOCIE**  
[72] VIZZARRI, DOMENICO, IT  
[71] I.M.M. HYDRAULICS S.P.A., IT  
[85] 2016-09-27  
[86] 2015-03-30 (PCT/IB2015/052341)  
[87] (WO2015/151016)  
[30] IT (BO2014A000186) 2014-04-02

[21] **2,944,130**  
[13] A1

[51] **Int.Cl. A61B 1/04 (2006.01) A61B 5/00 (2006.01)**  
[25] EN  
[54] **A MONITORING SYSTEM FOR CONTINUOUSLY SENSING THE UTERUS SYSTEME DE SURVEILLANCE POUR DETECTER L'UTERUS DE FACON CONTINUE**  
[72] LEVIN, VICTOR, IL  
[72] KOLATT, TSAFRIR, IL  
[72] STRAUSS, ADI, IL  
[71] FERTIGO MEDICAL LTD., IL  
[85] 2016-09-27  
[86] 2015-04-01 (PCT/IL2015/050353)  
[87] (WO2015/151102)  
[30] US (61/973,284) 2014-04-01  
[30] US (62/019,445) 2014-07-01

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<p style="text-align: center;">[21] <b>2,944,132</b> [13] A1</p> <p>[51] <b>Int.Cl. C08F 8/32 (2006.01) C08F 8/18 (2006.01) C08F 212/14 (2006.01) H01B 1/06 (2006.01) H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 8/02 (2016.01) H01M 8/10 (2016.01) C08J 5/22 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>PARTIALLY QUATERNIZED STYRENE-BASED COPOLYMER, IONIC-CONDUCTIVITY IMPARTER, CATALYTIC ELECTRODE LAYER, MEMBRANE/ELECTRODE ASSEMBLY AND PROCESS FOR PRODUCING SAME, GAS DIFFUSION ELECTRODE AND PROCESS FOR PRODUCING SAME, AND FUEL CELL OF ANION EXCHANGE MEMBRANE TYPE</b></p> <p>[54] <b>COPOLYMERE A BASE DE STYRENE PARTIELLEMENT QUATERNISE, AGENT CONFERANT UNE CONDUCTIVITE IONIQUE, COUCHE D'ELECTRODE CATALYTIQUE, ENSEMBLE MEMBRANE/ELECTRODE ET SON PROCEDE DE PRODUCTION, ELECTRODE DE DIFFUSION DE GAZ ET SON PROCEDE DE PRODUCTION, ET PILE A COMBUSTIBLE DE TYPE A MEMBRANE ECHANGEUSE D'ANIONS</b></p> <p>[72] ISOMURA, TAKENORI, JP [72] MATSUMURA, YASUNORI, JP [72] HANASAKI, TAICHI, JP [71] TOKUYAMA CORPORATION, JP [85] 2016-09-27 [86] 2015-02-03 (PCT/JP2015/052990) [87] (WO2015/122320) [30] JP (2014-026795) 2014-02-14</p>	<p style="text-align: center;">[21] <b>2,944,133</b> [13] A1</p> <p>[51] <b>Int.Cl. B01J 19/32 (2006.01) B01D 53/18 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHOD OF MANUFACTURING PACKING AND PACKING</b></p> <p>[54] <b>PROCEDE DE FABRICATION DE MATIERE DE CHARGE ET MATIERE DE CHARGE</b></p> <p>[72] ISO, YOSHIYUKI, JP [72] HUANG, JIAN, JP [72] SAGA, MARIKO, JP [72] MATSUNO, SHINSUKE, JP [72] UCHIDA, HIROYUKI, JP [72] FUJIWARA, NAOKI, JP [72] TAKANO, KENJI, JP [72] TOKUDA, KENJI, JP [71] IHI CORPORATION, JP [85] 2016-09-27 [86] 2015-03-24 (PCT/JP2015/058810) [87] (WO2015/151912) [30] JP (2014-075098) 2014-04-01</p> <hr/> <p style="text-align: center;">[21] <b>2,944,134</b> [13] A1</p> <p>[51] <b>Int.Cl. C25B 9/00 (2006.01) C07C 5/10 (2006.01) C07C 13/18 (2006.01) C25B 3/04 (2006.01) C25B 11/03 (2006.01) C25B 15/04 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DEVICE FOR PRODUCING ORGANIC HYDRIDE</b></p> <p>[54] <b>DISPOSITIF DE PRODUCTION D'HYDRURE ORGANIQUE</b></p> <p>[72] MITSUSHIMA, SHIGENORI, JP [72] TAKAKUWA, YASUTOMO, JP [72] NISHIKI, YOSHINORI, JP [72] KATO, AKIHIRO, JP [72] MANABE, AKIYOSHI, JP [72] SATO, YASUSHI, JP [72] MIYOSHI, KOTA, JP [72] NAKAGAWA, KOJIRO, JP [72] OSHIMA, SHINJI, JP [71] YOKOHAMA NATIONAL UNIVERSITY, JP [71] DE NORA PERMELEC LTD, JP [85] 2016-09-27 [86] 2015-03-24 (PCT/JP2015/058824) [87] (WO2015/146944) [30] JP (2014-069716) 2014-03-28</p>	<p style="text-align: center;">[21] <b>2,944,135</b> [13] A1</p> <p>[51] <b>Int.Cl. B29C 55/28 (2006.01) B29C 47/20 (2006.01) B29C 47/88 (2006.01) B29C 47/92 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>THICKNESS VARIATION ADJUSTMENT-TYPE AIR RING</b></p> <p>[54] <b>ANNEAU DE SOUFFLAGE A AIR POUR REGLAGE DE VARIATION D'EPAISSEUR</b></p> <p>[72] SHIMIZU, AKIRA, JP [72] HASHIMOTO, NORIO, JP [71] SHONAN TRADING CO., LTD, JP [85] 2016-09-27 [86] 2015-03-18 (PCT/JP2015/057986) [87] (WO2015/159634) [30] JP (2014-083122) 2014-04-14</p> <hr/> <p style="text-align: center;">[21] <b>2,944,136</b> [13] A1</p> <p>[51] <b>Int.Cl. A61B 10/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>PROGRAM FOR PREDICTING DAY OF OVULATION AND METHOD OF PREDICTING THE SAME</b></p> <p>[54] <b>PROGRAMME DE PREDICTION DE JOUR D'OVULATION ET PROCEDE DE PREDICTION DE JOUR D'OVULATION</b></p> <p>[72] SUZUKI, KENTA, JP [72] IGARI, ICHIRO, JP [71] MTI, LTD, JP [85] 2016-09-27 [86] 2015-03-26 (PCT/JP2015/059398) [87] (WO2015/147174) [30] JP (2014-069044) 2014-03-28</p> <hr/> <p style="text-align: center;">[21] <b>2,944,137</b> [13] A1</p> <p>[51] <b>Int.Cl. C03C 27/12 (2006.01) B32B 17/10 (2006.01) B32B 27/00 (2006.01) B32B 27/30 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>INTERMEDIATE FILM FOR LAMINATED GLASS, AND LAMINATED GLASS</b></p> <p>[54] <b>FILM INTERMEDIAIRE POUR VERRE FEUILLETE ET VERRE FEUILLETE</b></p> <p>[72] YAMAMOTO, MASAKI, JP [72] YAMAGUCHI, KOUHEI, JP [72] NAKAJIMA, DAISUKE, JP [71] SEKISUI CHEMICAL CO., LTD., JP [85] 2016-09-27 [86] 2015-03-31 (PCT/JP2015/060268) [87] (WO2015/152301) [30] JP (2014-074230) 2014-03-31</p>
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[21] **2,944,138**  
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) C07K 1/02 (2006.01)**  
[25] EN  
[54] **METHOD FOR IMPROVING SOLUBILITY OF PROTEIN AND PEPTIDE BY USING IMMUNOGLOBULIN FC FRAGMENT LINKAGE**  
[54] **PROCEDE POUR AMELIORER LA SOLUBILITE DE PROTEINES ET DE PEPTIDES A L'AIDE DE LA LIAISON A UN FRAGMENT FC D'IMMUNOGLOBULINE**  
[72] LIM, HYUNG KYU, KR  
[72] LEE, JONG SOO, KR  
[72] KIM, DAE JIN, KR  
[72] BAE, SUNG MIN, KR  
[72] JUNG, SUNG YOUB, KR  
[72] KWON, SE CHANG, KR  
[71] HANMI PHARM. CO., LTD., KR  
[85] 2016-09-27  
[86] 2015-03-31 (PCT/KR2015/003195)  
[87] (WO2015/152618)  
[30] KR (10-2014-0038032) 2014-03-31

[21] **2,944,141**  
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 31/56 (2006.01) A61K 47/48 (2006.01) C07C 13/66 (2006.01) C07C 22/02 (2006.01)**  
[25] EN  
[54] **COMPOUNDS AND METHODS FOR TRANS-MEMBRANE DELIVERY OF MOLECULES**  
[54] **COMPOSES ET PROCEDES POUR L'ADMINISTRATION TRANSMEMBRANAIRE DE MOLECULES**  
[72] ZIV, ILAN, IL  
[71] APOSENSE LTD., IL  
[85] 2016-09-27  
[86] 2015-03-29 (PCT/IL2015/000019)  
[87] (WO2015/145417)  
[30] US (61/971,548) 2014-03-28  
[30] US (61/978,903) 2014-04-13  
[30] US (62/002,870) 2014-05-25  
[30] US (62/008,509) 2014-06-06  
[30] US (62/091,551) 2014-12-14

[21] **2,944,143**  
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 30/06 (2012.01)**  
[25] EN  
[54] **TIME PERIOD DISTRIBUTION OF OFFER CODES**  
[54] **DISTRIBUTION TEMPORELLE DE CODES D'OFFRE**  
[72] REGO, JEFFREY R., US  
[72] THRONDSOON, SCOTT J., US  
[71] RETAILMENOT, INC., US  
[85] 2016-09-27  
[86] 2015-04-16 (PCT/US2015/026179)  
[87] (WO2015/161080)  
[30] US (61/980,323) 2014-04-16

[21] **2,944,144**  
[13] A1

[51] **Int.Cl. A61K 48/00 (2006.01) A61K 38/17 (2006.01) E05B 47/00 (2006.01) E05B 63/08 (2006.01) G07C 9/00 (2006.01)**  
[25] EN  
[54] **ELECTROMECHANICAL DRIVE SYSTEM**  
[54] **SYSTEME D'ENTRAINEMENT ELECTROMECHANIQUE**  
[72] CARPENTER, JOHN CHARLES, US  
[72] AINLEY, WILLIAM BRIAN, US  
[71] SCHLAGE LOCK COMPANY LLC, US  
[85] 2016-09-27  
[86] 2015-02-27 (PCT/US2015/018066)  
[87] (WO2015/131077)  
[30] US (14/194,605) 2014-02-28

[21] **2,944,148**  
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/92 (2006.01) E21B 43/267 (2006.01)**  
[25] EN  
[54] **PROPANT, HYDRAULIC FRACTURE PACKING MATERIAL, METHOD FOR ENHANCING EFFICIENCY OF HETEROGENEOUS PROPPANT PLACEMENT IN A HYDRAULIC FRACTURE**  
[54] **AGENT DE SOUTENEMENT ET PROCEDE DE DISPOSITION DE CE DERNIER DANS UNE FISSURE DE FRACTURATION HYDRAULIQUE D'UNE STRATE**  
[72] IVANOV, MAXIM GRIGORIEVICH, RU  
[72] MEDVEDEV, ANATOLY VLADIMIROVICH, RU  
[72] NAYDUKOVA, SVETLANA ANATOLYEVNA, RU  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2016-09-27  
[86] 2014-04-02 (PCT/RU2014/000233)  
[87] (WO2015/152755)

[21] **2,944,150**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/52 (2006.01)**  
[25] EN  
[54] **POLYMORPHIC FORMS AND CO-CRYSTALS OF A C-MET INHIBITOR**  
[54] **FORMES POLYMORPHES ET CO-CRISTAUX D'UN INHIBITEUR DE C-MET**  
[72] BAUER, DAVID, US  
[72] BIO, MATTHEW, US  
[72] COOKE, MELANIE, US  
[72] COPELAND, KATRINA W., US  
[72] PETERSON, MATTHEW, US  
[72] POTASHMAN, MICHELE, US  
[72] SHIMANOVICH, ROMAN, US  
[72] TAN, HELMING, US  
[71] AMGEN INC., US  
[85] 2016-09-27  
[86] 2015-04-17 (PCT/US2015/026296)  
[87] (WO2015/161152)  
[30] US (61/981,158) 2014-04-17

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[21] **2,944,151**  
[13] A1

[51] **Int.Cl. E21B 7/08 (2006.01) E21B 17/20 (2006.01) E21B 47/02 (2006.01)**  
[25] EN  
[54] **WHIPSTOCK AND DEFLECTOR ASSEMBLY FOR MULTILATERAL WELLBORES**  
[54] **ENSEMBLE SIFFLET DEVIATEUR ET DEFLECTEUR POUR Puits DE FORAGE MULTILATERAUX**  
[72] DAHL, ESPEN, NO  
[72] TELFER, STUART ALEXANDER, GB  
[72] BRU, PEDER, NO  
[72] LINDLAND, FRODE, NO  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2016-09-28  
[86] 2015-05-07 (PCT/US2015/029594)  
[87] (WO2015/187297)  
[30] US (62/007,625) 2014-06-04

[21] **2,944,153**  
[13] A1

[51] **Int.Cl. F41H 1/02 (2006.01) A41D 13/00 (2006.01)**  
[25] EN  
[54] **PROTECTIVE SYSTEM FOR CARRYING EQUIPMENT**  
[54] **SYSTEME DE PROTECTION POUR EQUIPEMENT DE TRANSPORT**  
[72] VITO, ROBERT A., US  
[72] FOERSTER, MICHAEL, US  
[71] MATSCITECHNO LICENSING COMPANY, US  
[85] 2016-09-27  
[86] 2015-03-12 (PCT/US2015/020076)  
[87] (WO2015/148132)  
[30] US (61/971,573) 2014-03-28  
[30] US (14/291,643) 2014-05-30

[21] **2,944,156**  
[13] A1

[51] **Int.Cl. E02B 17/02 (2006.01) E04C 3/32 (2006.01) E04H 12/10 (2006.01) E21B 15/02 (2006.01)**  
[25] EN  
[54] **ARCTIC JACKUP TRUSS LEG**  
[54] **PILE EN TREILLIS AUTO-ELEVATRICE ARCTIQUE**  
[72] PERRY, MICHAEL JOHN, SG  
[72] FOO, KOK SENG, SG  
[72] QUAH, CHIN KAU MATTHEW, SG  
[71] KEPPEL OFFSHORE & MARINE TECHNOLOGY CENTRE PTE LTD., SG  
[85] 2016-09-27  
[86] 2015-05-04 (PCT/SG2015/050094)  
[87] (WO2015/171073)  
[30] US (61/988,316) 2014-05-05

[21] **2,944,158**  
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 3/048 (2013.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PRESENTING A SALES DEMONSTRATION USING A POOL/SPA CONTROLLER USER INTERFACE**  
[54] **SYSTEME ET PROCEDE POUR PRESENTER UNE DEMONSTRATION DE VENTE A L'AIDE D'UNE INTERFACE UTILISATEUR DE DISPOSITIF DE COMMANDE DE PISCINE/SPA**  
[72] PORTER, BRUCE, US  
[72] MASSA, MICHAEL, US  
[72] POTUCEK, KEVIN, US  
[72] FOURNIER, GERGORY, US  
[71] DEBRUIN, JASON, US  
[71] HAYWARD INDUSTRIES, INC., US  
[85] 2016-09-27  
[86] 2014-03-28 (PCT/US2014/032145)  
[87] (WO2015/147856)  
[30] US (61/970,935) 2014-03-27

[21] **2,944,167**  
[13] A1

[51] **Int.Cl. H04N 21/436 (2011.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR INTERACTIVE MEDIA CONTENT EXCHANGE**  
[54] **SYSTEMES ET PROCEDES D'ECHANGE DE CONTENU MULTIMEDIA INTERACTIF**  
[72] FLYNN, JOEY, US  
[72] SMITH, ROCKY, US  
[71] FACEBOOK, INC., US  
[85] 2016-09-27  
[86] 2014-04-10 (PCT/US2014/033698)  
[87] (WO2015/152947)  
[30] US (14/244,681) 2014-04-03

[21] **2,944,169**  
[13] A1

[51] **Int.Cl. H02B 11/133 (2006.01) H02B 1/056 (2006.01) H02B 1/21 (2006.01) H02B 1/28 (2006.01) H02B 1/36 (2006.01) H05K 5/06 (2006.01)**  
[25] EN  
[54] **SAFETY DEVICE FOR THE LOCKING AND ACTUATION OF ELECTRICAL CONNECTORS PROVIDED IN EXTRACTABLE DRAWER FOR MCC CABINET**  
[54] **DISPOSITIF DE SECURITE POUR BLOCAGE ET ACTIONNEMENT DE CONNECTEURS ELECTRIQUES DISPOSES DANS UN TIROIR EXTRACTIBLE POUR CCM**  
[72] FRANCISQUINI, MELQUISEDEC, BR  
[71] FRANCISQUINI, MELQUISEDEC, BR  
[85] 2016-09-28  
[86] 2015-03-26 (PCT/BR2015/000043)  
[87] (WO2015/143521)  
[30] BR (BR 10 2014 0075623) 2014-03-28

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[21] **2,944,171**  
[13] A1

[51] **Int.Cl. G06F 3/12 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR ON-DEMAND PUBLISHING OF RELIGIOUS WORKS**  
[54] **METHODES ET SYSTEMES DE PUBLICATION SUR DEMANDE D'OEUVRES RELIGIEUSES**  
[72] ROBINSON, WILLIAM, III, US  
[72] ROBINSON, KRISTIN, US  
[71] NARROW GATE PUBLISHING, LLC, US  
[85] 2016-09-27  
[86] 2015-03-25 (PCT/US2015/022559)  
[87] (WO2015/148718)  
[30] US (61/971,307) 2014-03-27

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[21] **2,944,172**  
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01)**  
[25] EN  
[54] **EXPANSION SYSTEM**  
[54] **SYSTEME D'EXPANSION**  
[72] BENNETT, FREDERICK CORNELL, US  
[71] ENVENTURE GLOBAL TECHNOLOGY, INC., US  
[85] 2016-09-28  
[86] 2015-05-05 (PCT/US2015/029203)  
[87] (WO2015/171586)  
[30] US (61/988,740) 2014-05-05

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[21] **2,944,174**  
[13] A1

[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/36 (2006.01) A61P 7/04 (2006.01) C07K 14/745 (2006.01)**  
[25] EN  
[54] **HALF-LIFE EXTENDED FACTOR FVIIA PROTEIN FOR PREVENTION AND TREATMENT OF BLEEDING AND DOSING REGIMENS THEREFOR**  
[54] **PROTEINE DE FACTEUR FVIIA A DEMI-VIE PROLONGEE POUR LA PREVENTION ET LE TRAITEMENT D'HEMORRAGIE, ET LEURS REGIMES POSOLOGIQUES**  
[72] BENSEN-KENNEDY, DEBRA, US  
[72] VELDMAN, ALEX, DE  
[72] ZOLLNER, SABINE, CH  
[72] HERZOG, EVA, DE  
[71] CSL LIMITED, AU  
[85] 2016-09-28  
[86] 2015-03-30 (PCT/AU2015/050137)  
[87] (WO2015/154139)  
[30] US (61/978,218) 2014-04-11  
[30] EP (14167612.2) 2014-05-09  
[30] EP (14168389.6) 2014-05-15

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[21] **2,944,175**  
[13] A1

[51] **Int.Cl. F02D 29/06 (2006.01) F02B 63/04 (2006.01)**  
[25] EN  
[54] **METHOD OF LOADSHEDDING FOR A VARIABLE SPEED, CONSTANT FREQUENCY GENERATOR**  
[54] **PROCEDE DE DELESTAGE DE CHARGE POUR UN GENERATEUR A VITESSE VARIABLE ET FREQUENCE CONSTANTE**  
[72] ISLES, ROBERT, US  
[71] GENERAC POWER SYSTEMS, INC., US  
[85] 2016-09-28  
[86] 2015-04-23 (PCT/US2015/027251)  
[87] (WO2015/164579)  
[30] US (14/260,530) 2014-04-24

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[21] **2,944,178**  
[13] A1

[51] **Int.Cl. B23K 5/08 (2006.01)**  
[25] EN  
[54] **CONTROL SYSTEM AND METHOD FOR TAPERED STRUCTURE CONSTRUCTION**  
[54] **SYSTEME ET PROCEDE DE COMMANDE POUR LA CONSTRUCTION D'UNE STRUCTURE CONIQUE**  
[72] TAKATA, ROSALIND K., US  
[72] SMITH, ERIC D., US  
[72] BRIDGERS, DANIEL, US  
[72] AINGE, DANIEL, US  
[72] SLOCUM, ALEXANDER H., US  
[71] KEYSTONE TOWER SYSTEMS, INC., US  
[85] 2016-09-27  
[86] 2015-03-26 (PCT/US2015/022648)  
[87] (WO2015/148756)  
[30] US (14/228,481) 2014-03-28

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[21] **2,944,179**  
[13] A1

[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/397 (2006.01) C07D 205/02 (2006.01)**  
[25] EN  
[54] **2-HALO-5-ALKYNYL-PYRIDYL NICOTINIC LIGANDS**  
[54] **LIGANDS 2-HALO-5-ALCYNYL-PYRIDYLE NICOTINIQUES**  
[72] XIAO, YINGXIAN, US  
[72] KELLAR, KENNETH J., US  
[72] BROWN, MILTON L., US  
[72] PAIGE, MIKELL A., US  
[72] LIU, YONG, US  
[71] GEORGETOWN UNIVERSITY, US  
[85] 2016-09-27  
[86] 2014-03-26 (PCT/US2014/031873)  
[87] (WO2014/160783)  
[30] US (61/805,646) 2013-03-27

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[21] **2,944,181**  
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/074 (2010.01) A61K 35/39 (2015.01) C12N 5/22 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING TYPE 1 AND TYPE 2 DIABETES AND RELATED DISORDERS**

[54] **COMPOSITIONS ET METHODES DESTINEES A TRAITER LE DIABETE DE TYPE 1 ET TYPE 2 ET AUTRES TROUBLES ASSOCIES**

[72] EVANS, RONALD M., US  
[72] YOSHIHARA, EIJI, US  
[72] DOWNES, MICHAEL R., US  
[72] YU, RUTH T., US  
[72] ATKINS, ANNETTE R., US  
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US

[85] 2016-09-27  
[86] 2015-03-26 (PCT/US2015/022799)  
[87] (WO2015/148832)  
[30] US (61/971,308) 2014-03-27  
[30] US (62/065,537) 2014-10-17  
[30] US (62/105,545) 2015-01-20

[21] **2,944,183**  
[13] A1

[51] **Int.Cl. A61K 38/37 (2006.01) A61K 47/34 (2006.01)**

[25] EN

[54] **STABILIZATION OF FACTOR VIII WITHOUT CALCIUM AS AN EXCIPIENT**

[54] **STABILISATION DE FACTEUR VIII SANS CALCIUM EN TANT QU'EXCIPIENT**

[72] NAYAR, RAJIV, BR  
[71] ADVANTECH BIOSCIENCE FARMACEUTICA LTDA., BR

[85] 2016-09-28  
[86] 2015-03-30 (PCT/BR2015/000045)  
[87] (WO2015/149144)  
[30] US (61/973,280) 2014-04-01

[21] **2,944,184**  
[13] A1

[51] **Int.Cl. E21B 44/00 (2006.01) G05B 19/02 (2006.01) G06F 9/455 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTOMATION OF DETECTION OF STRESS PATTERNS AND EQUIPMENT FAILURES IN HYDROCARBON EXTRACTION AND PRODUCTION**

[54] **SYSTEME ET PROCEDE D'AUTOMATISATION DE LA DETECTION DE MOTIFS DE CONTRAINTE ET DE PANNES D'EQUIPEMENT DANS L'EXTRACTION ET LA PRODUCTION D'HYDROCARBURES**

[72] BLANCKAERT, THIBAUT, US  
[72] SUBERVIE, YVES-MARIE CLET ROBERT, US  
[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2016-09-27  
[86] 2015-03-27 (PCT/US2015/022867)  
[87] (WO2015/148871)  
[30] US (61/972,075) 2014-03-28

[21] **2,944,187**  
[13] A1

[51] **Int.Cl. A61K 31/501 (2006.01) A61K 31/506 (2006.01) A61K 31/513 (2006.01)**

[25] EN

[54] **PRODRUGS OF HIV REVERSE TRANSCRIPTASE INHIBITORS**

[54] **PROMEDICAMENTS D'INHIBITEURS DE TRANSCRIPTASE INVERSE DE VIH**

[72] BURGEEY, CHRISTOPHER S., US  
[72] FRITZEN, JEFFREY F., US  
[72] BALSELLS, JAUME, US  
[72] PATEL, MEHUL, US  
[71] MERCK SHARP & DOHME CORP., US

[85] 2016-09-27  
[86] 2015-03-27 (PCT/US2015/022868)  
[87] (WO2015/153304)  
[30] US (61/973,689) 2014-04-01

[21] **2,944,193**  
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) C12Q 1/70 (2006.01) G01N 27/26 (2006.01) G01N 33/569 (2006.01)**

[25] EN

[54] **DIAGNOSTIC CASSETTE**

[54] **CASSETTE DE DIAGNOSTIC**

[72] MCGUINNESS, NICHOLAS MATTHEW COOPER, US  
[72] GIRI, MANISH, US  
[72] DOMINGUE, CHANTELLE ELIZABETH, US  
[72] VALENCIA, MELINDA M., US  
[72] SELLS, JEREMY, US  
[71] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US

[85] 2016-09-27  
[86] 2014-04-25 (PCT/US2014/035534)  
[87] (WO2015/163921)

[21] **2,944,196**  
[13] A1

[51] **Int.Cl. D06M 11/00 (2006.01) D06M 15/263 (2006.01)**

[25] EN

[54] **WATER REPELLENT, SOIL RESISTANT, FLUORINE-FREE COMPOSITIONS**

[54] **COMPOSITIONS HYDROFUGES, NON SALISSANTES ET EXEMPTES DE FLUOR**

[72] BAUMANN, MARKUS, DE  
[71] INVISTA TECHNOLOGIES S.A R.L., CH

[85] 2016-09-28  
[86] 2015-04-08 (PCT/US2015/024926)  
[87] (WO2015/157419)  
[30] EP (14164089.6) 2014-04-09

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[21] **2,944,200**  
[13] A1

[51] **Int.Cl. B60R 13/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR ALTERING THE COLOR, APPEARANCE, OR FEEL OF A VEHICLE SURFACE**  
[54] **SYSTEMES ET PROCEDES PERMETTANT DE MODIFIER LA COULEUR, L'APPARENCE OU LE TOUCHER D'UNE SURFACE DE VEHICULE**  
[72] DEVATHI, SRINIVAS S., US  
[71] DEVATHI, SRINIVAS S., US  
[85] 2016-09-27  
[86] 2014-07-15 (PCT/US2014/046619)  
[87] (WO2015/147900)  
[30] US (14/227,859) 2014-03-27

[21] **2,944,203**  
[13] A1

[51] **Int.Cl. H01Q 17/00 (2006.01) G01R 29/10 (2006.01) H04B 17/00 (2015.01)**  
[25] EN  
[54] **TESTING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE TEST**  
[72] SYMES, MICHAEL JOHN, AU  
[71] VECTA PTY LTD, AU  
[85] 2016-09-28  
[86] 2015-04-02 (PCT/AU2015/050151)  
[87] (WO2015/149133)  
[30] AU (2014901205) 2014-04-03

[21] **2,944,205**  
[13] A1

[51] **Int.Cl. G09F 1/00 (2006.01)**  
[25] EN  
[54] **COMBINATION GREETING CARD AND GIFT CARD PRESENTER**  
[54] **COMBINAISON PRESENTATEUR CARTE DE VOEUX ET CARTE-CADEAU**  
[72] FLUHARTY, CHARITY ROBIN, US  
[71] HALLMARK CARDS, INCORPORATED, US  
[85] 2016-09-27  
[86] 2015-03-27 (PCT/US2015/023022)  
[87] (WO2015/148939)  
[30] US (61/971,414) 2014-03-27  
[30] US (14/669,880) 2015-03-26

[21] **2,944,206**  
[13] A1

[51] **Int.Cl. H01F 21/08 (2006.01) H01F 27/42 (2006.01) H04B 5/00 (2006.01)**  
[25] EN  
[54] **A FIELD REGULATOR**  
[54] **REGULATEUR DE CHAMP**  
[72] SWEENEY, PETER JOHN, AU  
[72] WILDT, MARTIN CHRISTOPHER, AU  
[71] MINE SITE TECHNOLOGIES PTY LTD, AU  
[85] 2016-09-28  
[86] 2015-04-16 (PCT/AU2015/050179)  
[87] (WO2015/157824)  
[30] AU (2014901423) 2014-04-17

[21] **2,944,211**  
[13] A1

[51] **Int.Cl. C07D 409/14 (2006.01) C07D 413/04 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR TREATING NEURODEGENERATIVE DISEASES**  
[54] **COMPOSITIONS ET METHODES POUR TRAITER DES MALADIES NEURODEGENERATIVES**  
[72] BROWNSTEIN, MICHAEL J., US  
[71] AZEVAN PHARMACEUTICALS, INC., US  
[85] 2016-09-27  
[86] 2015-03-27 (PCT/US2015/023060)  
[87] (WO2015/148962)  
[30] US (61/971,862) 2014-03-28

[21] **2,944,213**  
[13] A1

[51] **Int.Cl. A44B 11/00 (2006.01)**  
[25] EN  
[54] **NO SLIP ONE-PIECE STRAP ADJUSTOR**  
[54] **AJUSTEUR DE SANGLE D'UN SEUL TENANT ANTIDERAPANT**  
[72] MULLER, HILGARD N., US  
[71] BELL SPORTS, INC., US  
[85] 2016-09-27  
[86] 2015-03-27 (PCT/US2015/023074)  
[87] (WO2015/148968)  
[30] US (61/972,096) 2014-03-28  
[30] US (14/671,356) 2015-03-27

[21] **2,944,214**  
[13] A1

[51] **Int.Cl. E21B 43/267 (2006.01) C09K 8/24 (2006.01) C09K 8/40 (2006.01) C09K 8/508 (2006.01) C09K 8/80 (2006.01) C09K 8/88 (2006.01) E01C 7/30 (2006.01)**  
[25] EN  
[54] **METHOD OF CHEMICALLY DELAYING PEROXYGEN BASED VISCOSITY REDUCTION REACTIONS**  
[54] **PROCEDE POUR RETARDER CHIMIQUEMENT DES REACTIONS DE REDUCTION DE VISCOSITE A BASE DE PEROXYGENE**  
[72] MOHS, ADAM, US  
[72] BAURES, MARC, US  
[72] KINSMAN, LARRY, US  
[71] ORIN TECHNOLOGIES, LLC., US  
[85] 2016-09-27  
[86] 2015-03-30 (PCT/US2015/023245)  
[87] (WO2015/149053)  
[30] US (61/971,698) 2014-03-28  
[30] US (14/670,720) 2015-03-27

[21] **2,944,215**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C07H 21/04 (2006.01) C12M 1/34 (2006.01) G01N 27/327 (2006.01) G01N 33/02 (2006.01) G01N 33/53 (2006.01)**  
[25] EN  
[54] **STERIC-HINDRANCE HYBRIDIZATION SYSTEMS, ASSAYS AND METHODS ASSOCIATED THERETO**  
[54] **SYSTEMES D'HYBRIDATION A ENCOMBREMENT STERIQUE ET DOSAGES ET PROCEDES Y ASSOCIES**  
[72] VALLEE-BELISLE, ALEXIS, CA  
[72] MAHSHID, SAHAR SADAT, CA  
[71] VALORISATION-RECHERCHE, LIMITED PARTNERSHIP, CA  
[85] 2016-09-28  
[86] 2015-04-02 (PCT/CA2015/050269)  
[87] (WO2015/149184)  
[30] US (61/975,231) 2014-04-04

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[21] **2,944,219**  
[13] A1

[51] **Int.Cl. B67D 7/60 (2010.01) A47K 5/12 (2006.01) A47K 5/14 (2006.01) B05B 9/00 (2006.01) B65D 25/38 (2006.01) F04B 23/02 (2006.01)**

[25] EN

[54] **IMPROVED FOAM PUMP**

[54] **POMPE A MOUSSE AMELIOREE**

[72] CREAGHAN, DAVID MICHAEL  
ROSS, GB

[72] BUTLER, ROBERT, GB

[72] LIMBERT, DEAN PHILIP, GB

[72] LANG, CHRISTOPHER JAMES, GB

[72] BANKS, STEWART, PT

[71] DEB IP LIMITED, GB

[85] 2016-09-28

[86] 2015-05-12 (PCT/CA2015/050471)

[87] (WO2015/172257)

[30] US (61/992,101) 2014-05-12

[21] **2,944,220**  
[13] A1

[51] **Int.Cl. C12M 3/02 (2006.01) C12M 3/00 (2006.01)**

[25] EN

[54] **ORGANOMIMETIC DEVICES AND METHODS OF USE AND MANUFACTURING THEREOF**

[54] **DISPOSITIFS ORGANO-MIMETIQUES ET LEURS PROCEDES DE FABRICATION**

[72] FERNANDEZ-ALCON, JOSE, US

[72] INGBER, DONALD E., US

[72] HAMILTON, GERALDINE A., US

[72] HINOJOSA, CHRISTOPHER, US

[72] DOMANSKY, KAREL, US

[72] LEVNER, DANIEL, US

[72] THOMPSON, GUY, II, US

[72] HAJIPOURAN BENAM, KAMBEZ, US

[72] VILLENAVE, REMI, US

[72] UMUNDUM, THOMAS, AT

[72] PARIS, ALFRED, AT

[72] BAUER, GEORG, AT

[72] WEN, NORMAN, US

[72] NOVAK, RICHARD, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[71] FERNANDEZ-ALCON, JOSE, US

[71] WEN, NORMAN, US

[71] NOVAK, RICHARD, US

[85] 2016-09-27

[86] 2014-12-19 (PCT/US2014/071570)

[87] (WO2015/138032)

[30] US (61/919,181) 2013-12-20

[21] **2,944,221**  
[13] A1

[51] **Int.Cl. C07C 229/24 (2006.01) C07C 227/18 (2006.01)**

[25] EN

[54] **METHOD FOR PREPARING IMINODISUCCINATE CHELATING AGENT**

[54] **PROCEDE DE PREPARATION D'AGENT CHELATANT IMINODISUCCINATE**

[72] LI, WENXI, CN

[72] XING, ZHENPING, CN

[71] HEBEI THINK-DO ENVIRONMENT CO., LTD., CN

[85] 2016-09-28

[86] 2015-02-28 (PCT/CN2015/073394)

[87] (WO2015/149599)

[30] CN (201410131945.7) 2014-04-03

[21] **2,944,223**  
[13] A1

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 37/16 (2006.01) A01P 1/00 (2006.01) A61K 8/22 (2006.01) A61K 33/40 (2006.01) A61L 2/18 (2006.01)**

[25] EN

[54] **COMPOSITION CONTAINING PEROXIDE AND AN ANTIMICROBIAL AGENT AND PROCESS OF KILLING SPORES**

[54] **COMPOSITION CONTENANT DU PEROXYDE ET UN AGENT ANTIMICROBIEN ET PROCEDE POUR TUER DES SPORES**

[72] BURKE, PETER A., US

[72] LEGGETT, MARK JAMES, GB

[72] CENTANNI, MICHAEL A., US

[71] AMERICAN STERILIZER COMPANY, US

[85] 2016-09-27

[86] 2015-02-10 (PCT/US2015/015088)

[87] (WO2015/167642)

[30] US (14/262,840) 2014-04-28

[30] US (14/525,497) 2014-10-28

[21] **2,944,224**  
[13] A1

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 37/16 (2006.01) A01P 1/00 (2006.01) A61K 8/22 (2006.01) A61L 2/20 (2006.01)**

[25] EN

[54] **PROCESS OF KILLING SPORES USING VAPORUOS PEROXIDE COMPOSITION**

[54] **PROCEDE DE DESTRUCTION DE SPORES AU MOYEN D'UNE COMPOSITION DE PEROXYDE A L'ETAT DE VAPEUR**

[72] BURKE, PETER A., US

[72] LEGGETT, MARK JAMES, GB

[72] CENTANNI, MICHAEL A., US

[71] AMERICAN STERILIZER COMPANY, US

[85] 2016-09-27

[86] 2015-02-10 (PCT/US2015/015090)

[87] (WO2015/167643)

[30] US (14/262,840) 2014-04-28

[30] US (14/525,497) 2014-10-28

[30] US (14/538,011) 2014-11-11

[21] **2,944,225**  
[13] A1

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 37/16 (2006.01) A01P 1/00 (2006.01) A61K 8/22 (2006.01) A61K 33/40 (2006.01) A61L 2/18 (2006.01)**

[25] EN

[54] **PROCESS FOR DECONTAMINATING OR STERILIZING AN ARTICLE**

[54] **PROCEDE DE DECONTAMINATION OU DE STERILISATION D'UN ARTICLE AVEC UNE COMPOSITION CONTENANT UN PEROXYDE ET UN AGENT ANTIMICROBIEN**

[72] BURKE, PETER A., US

[72] LEGGETT, MARK JAMES, GB

[72] CENTANNI, MICHAEL A., US

[71] AMERICAN STERILIZER COMPANY, US

[85] 2016-09-27

[86] 2015-02-10 (PCT/US2015/015091)

[87] (WO2015/167644)

[30] US (14/262,840) 2014-04-28

[30] US (14/525,497) 2014-10-28

[30] US (14/537,958) 2014-11-11

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[21] **2,944,227**  
[13] A1

[51] **Int.Cl. B24C 1/04 (2006.01) B24C 7/00 (2006.01)**  
[25] EN  
[54] **WATER-ABRASIVE-SUSPENSION CUTTING SYSTEM**  
[54] **INSTALLATION DE COUPE A SUSPENSION AQUEUSE ABRASIVE**  
[72] LINDE, MARCO, DE  
[71] ANT APPLIED NEW TECHNOLOGIES AG, DE  
[85] 2016-09-28  
[86] 2014-04-04 (PCT/EP2014/056814)  
[87] (WO2015/149867)

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[21] **2,944,229**  
[13] A1

[51] **Int.Cl. G01N 33/573 (2006.01) G01N 33/58 (2006.01) G01N 33/68 (2006.01)**  
[25] EN  
[54] **METHOD FOR DETECTING PROTEIN MODIFICATIONS USING SPECIFIC ANTIBODIES**  
[54] **PROCEDE DE DETECTION DE MODIFICATIONS PROTEIQUES EN UTILISANT DES ANTICORPS SPECIFIQUES**  
[72] JAEHRLING, FRANK, DE  
[72] BLADT, FRIEDHELM, DE  
[72] KUEHR, JESSICA, DE  
[71] MERCK PATENT GMBH, DE  
[85] 2016-09-28  
[86] 2015-02-27 (PCT/EP2015/000469)  
[87] (WO2015/149903)  
[30] EP (14001200.6) 2014-03-31

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[21] **2,944,231**  
[13] A1

[51] **Int.Cl. A47J 43/044 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR MIXING BEVERAGES AND METHOD OF DOING THE SAME**  
[54] **SYSTEME DESTINE A MELANGER DES BOISSONS ET PROCEDE PERMETTANT DE MELANGER DES BOISSONS**  
[72] OCHOA, GIAN-CARLO, US  
[72] DUFFY, BRENDAN J., US  
[72] PENNA, CHRIS, US  
[72] VAN DEURSEN, GARY, US  
[72] FAGEN, BEN W., US  
[71] GUDPOD HOLDINGS, LLC, US  
[85] 2016-09-27  
[86] 2015-02-23 (PCT/US2015/017142)  
[87] (WO2015/148027)  
[30] US (61/972,020) 2014-03-28  
[30] US (14/278,762) 2014-05-15

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[21] **2,944,232**  
[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01)**  
[25] EN  
[54] **ELECTRONIC LOCK WITH SELECTABLE POWER OFF FUNCTION**  
[54] **SERRURE ELECTRONIQUE AYANT UNE FONCTION D'ARRET SELECTIONNABLE**  
[72] VASUDEVAN, SUNDAR RAJ DORE, IN  
[72] BANGARU, DILIP, IN  
[72] LITWINSKI, ADAM MICHAEL, US  
[72] AINLEY, WILLIAM BRIAN, US  
[72] STEINER, RUSSELL LEE, US  
[72] VICKREY, MICHELLE, US  
[71] SCHLAGE LOCK COMPANY LLC, US  
[85] 2016-09-27  
[86] 2015-02-25 (PCT/US2015/017497)  
[87] (WO2015/130767)  
[30] US (14/189,476) 2014-02-25

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[21] **2,944,236**  
[13] A1

[51] **Int.Cl. F04B 43/00 (2006.01)**  
[25] EN  
[54] **MICRO PUMP SYSTEMS**  
[54] **SYSTEMES DE MICROPOMPE**  
[72] MARSH, STEPHEN ALAN, US  
[71] MARSH, STEPHEN ALAN, US  
[85] 2016-09-27  
[86] 2015-02-27 (PCT/US2015/017973)  
[87] (WO2015/131033)  
[30] US (61/945,973) 2014-02-28  
[30] US (14/632,423) 2015-02-26

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[21] **2,944,237**  
[13] A1

[51] **Int.Cl. A01N 59/00 (2006.01) A01N 37/16 (2006.01) A01P 1/00 (2006.01) A61K 8/22 (2006.01) A61K 33/40 (2006.01) A61L 2/18 (2006.01)**  
[25] EN  
[54] **COMPOSITION CONTAINING PEROXIDE AND PERACETIC ACID AND PROCESS OF KILLING SPORES**  
[54] **COMPOSITION CONTENANT DU PEROXYDE ET DE L'ACIDE PERACETIQUE ET PROCEDE D'ELIMINATION DE SPORES**  
[72] BURKE, PETER A., US  
[72] LEGGETT, MARK JAMES, GB  
[71] AMERICAN STERILIZER COMPANY, US  
[85] 2016-09-27  
[86] 2015-02-10 (PCT/US2015/015087)  
[87] (WO2015/167641)  
[30] US (14/262,840) 2014-04-28

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[21] **2,944,238**  
[13] A1

[51] **Int.Cl. C23C 24/04 (2006.01) B22F 3/00 (2006.01) C23C 28/02 (2006.01)**

[25] EN

[54] **METHOD FOR PRODUCING A HOLLOW BODY BY COLD SPRAYING AND MOULD CORE SUITABLE FOR CARRYING OUT SAID METHOD**

[54] **PROCEDE DE FABRICATION D'UN CORPS CREUX PAR PULVERISATION PAR GAZ FROID ET NOYAU DE FORMAGE APPROPRIE POUR LA MISE EN**  
□ **UVRE DUDIT PROCEDE**

[72] ARNDT, AXEL, DE  
[72] PYRITZ, UWE, DE  
[72] REICHE, RALPH, DE  
[72] STIER, OLIVER, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2016-09-28  
[86] 2015-03-18 (PCT/EP2015/055611)  
[87] (WO2015/150071)  
[30] DE (102014206073.7) 2014-03-31

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[21] **2,944,256**  
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 29/00 (2006.01) C07D 213/81 (2006.01) C07D 401/04 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 413/14 (2006.01) C07D 417/06 (2006.01) C07D 417/12 (2006.01) C07D 491/10 (2006.01)**

[25] EN

[54] **5,6-DISUBSTITUTED PYRIDINE-2-CARBOXAMIDES AS CANNABINOID RECEPTOR AGONISTS**

[54] **PYRIDINE-2-CARBOXAMIDES BISUBSTITUES EN 5,6 SERVANT D'AGONISTES DU RECEPTEUR CANNABINOIDE**

[72] GOBBI, LUCA, CH  
[72] GREYER, UWE, DE  
[72] NETTEKOVEN, MATTHIAS, DE  
[72] ROEVER, STEPHAN, DE  
[72] ROGERS-EVANS, MARK, CH  
[72] SLAVIK, ROGER, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[71] EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH, CH

[85] 2016-09-28  
[86] 2015-04-01 (PCT/EP2015/057144)  
[87] (WO2015/150438)  
[30] EP (14163554.0) 2014-04-04

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[21] **2,944,258**  
[13] A1

[51] **Int.Cl. B62D 55/12 (2006.01) A01G 23/00 (2006.01) B62D 55/04 (2006.01) B62D 55/065 (2006.01)**

[25] EN

[54] **CRAWLER-TRACK UNIT AND FOREST MACHINE**

[54] **UNITE DE CHENILLE ET MACHINE FORESTIERE**

[72] EINOLA, KALLE, FI  
[72] HUKKANEN, PENTTI, FI  
[72] HYVONEN, JORMA, FI  
[72] HYVONEN, JUKKA, FI  
[71] PONSSE OYJ, FI

[85] 2016-09-28  
[86] 2015-04-24 (PCT/FI2015/050283)  
[87] (WO2015/162341)  
[30] FI (20145385) 2014-04-25

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[21] **2,944,281**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01)**

[25] EN

[54] **MITOCHONDRIAL MARKERS OF NEURODEGENERATIVE DISEASES**

[54] **MARQUEURS MITOCHONDRIAUX DE MALADIES NEURODEGENERATIVES**

[72] BARRACHINA CASTILLO, MARTA, ES  
[72] FERRER ABIZANDA, ISIDRE, ES  
[72] BLANCH LOZANO, MARTA, ES  
[71] UNIVERSITAT DE BARCELONA, ES  
[71] FUNDACIO INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL), ES

[85] 2016-09-28  
[86] 2015-03-27 (PCT/ES2015/070230)  
[87] (WO2015/144964)  
[30] ES (P201430444) 2014-03-28

# Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

## Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

<p style="text-align: center;">[21] <b>2,939,460</b> [13] A1</p> <p>[51] <b>Int.Cl. A61B 8/00 (2006.01) A61B 34/20 (2016.01) A01K 29/00 (2006.01) A61B 5/01 (2006.01) A61B 5/0402 (2006.01) A61B 6/12 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>INTEGRATED MULTI-RAIL IMAGING SYSTEM</b></p> <p>[54] <b>SYSTEME D'IMAGERIE A MULTI-RAILS INTEGRES</b></p> <p>[72] ZAN, LEO, CA</p> <p>[72] MEHI, JAMES I., CA</p> <p>[71] VISUALSONICS INC., CA</p> <p>[22] 2003-10-10</p> <p>[41] 2004-04-22</p> <p>[62] 2,501,609</p> <p>[30] US (60/417,167) 2002-10-10</p> <p>[30] US (60/417,185) 2002-10-10</p> <p>[30] US (60/468,960) 2003-05-09</p> <p>[30] US (60/468,959) 2003-05-09</p>	<p style="text-align: center;">[21] <b>2,941,582</b> [13] A1</p> <p>[51] <b>Int.Cl. B25F 5/00 (2006.01) H02J 7/00 (2006.01) H02P 6/08 (2016.01)</b></p> <p>[25] EN</p> <p>[54] <b>PROGRAMMABLE PORTABLE POWER TOOL WITH BRUSHLESS DC MOTOR</b></p> <p>[54] <b>OUTIL ELECTRIQUE PORTATIF PROGRAMMABLE AVEC MOTEUR CC SANS BALAIS</b></p> <p>[72] KNIGHT, COLIN, US</p> <p>[72] CORIC, MILOS, US</p> <p>[71] SEARS BRANDS, LLC, US</p> <p>[22] 2013-01-04</p> <p>[41] 2013-07-06</p> <p>[62] 2,800,792</p> <p>[30] US (61/583,846) 2012-01-06</p>	<p style="text-align: center;">[21] <b>2,941,678</b> [13] A1</p> <p>[51] <b>Int.Cl. A61M 15/00 (2006.01) G06M 1/04 (2006.01) G06M 1/16 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>COUNTER</b></p> <p>[54] <b>COMPTEUR</b></p> <p>[72] BACON, RAYMOND, GB</p> <p>[72] MCDERMENT, IAIN GRIERSON, GB</p> <p>[71] EURO-CELTIQUE S.A., LU</p> <p>[22] 2010-03-10</p> <p>[41] 2010-09-16</p> <p>[62] 2,754,789</p> <p>[30] GB (0904040.3) 2009-03-10</p>
<p style="text-align: center;">[21] <b>2,941,578</b> [13] A1</p> <p>[51] <b>Int.Cl. A61B 1/273 (2006.01) A61B 34/20 (2016.01) A61B 1/04 (2006.01) A61J 15/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CATHETER WITH IMAGING ASSEMBLY</b></p> <p>[54] <b>CATHETER POURVU D'UN ENSEMBLE D'IMAGERIE</b></p> <p>[72] ALLYN, ROBERT, US</p> <p>[71] COVIDIEN LP, US</p> <p>[22] 2011-09-08</p> <p>[41] 2012-03-15</p> <p>[62] 2,912,238</p> <p>[30] US (61/380,985) 2010-09-08</p> <p>[30] US (61/482,080) 2011-05-03</p>	<p style="text-align: center;">[21] <b>2,941,639</b> [13] A1</p> <p>[51] <b>Int.Cl. G11C 29/04 (2006.01) G11C 17/18 (2006.01) H01L 23/525 (2006.01) H01L 27/108 (2006.01) H03K 19/20 (2006.01) H05K 10/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>REDUNDANCY SYSTEM FOR NON-VOLATILE MEMORY</b></p> <p>[54] <b>SYSTEME DE REDONDANCE POUR MEMOIRE NON VOLATILE</b></p> <p>[72] KURJANOWICZ, WLODEK, CA</p> <p>[72] ABDAT, MOURAD, CA</p> <p>[71] SIDENSE CORP., CA</p> <p>[22] 2015-01-20</p> <p>[41] 2015-07-23</p> <p>[62] 2,878,742</p> <p>[30] US (14/162,380) 2014-01-23</p>	<p style="text-align: center;">[21] <b>2,941,727</b> [13] A1</p> <p>[51] <b>Int.Cl. A61M 11/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>AEROSOL GENERATOR INCLUDING MULTI-COMPONENT WICK</b></p> <p>[54] <b>GENERATEUR D'AEROSOL COMPRENANT UNE MECHE A MULTIPLES COMPOSANTS</b></p> <p>[72] YANG, ZUYIN, US</p> <p>[72] WRENN, SUSAN E., US</p> <p>[71] PHILIP MORRIS PRODUCTS S.A., CH</p> <p>[22] 2010-10-11</p> <p>[41] 2011-04-14</p> <p>[62] 2,776,552</p> <p>[30] US (12/576,951) 2009-10-09</p>

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,941,763**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01)**  
[25] EN  
[54] **AUTOMATICALLY PULSING  
DIFFERENT ASPIRATION  
LEVELS TO AN OCULAR PROBE**  
[54] **IMPULSION AUTOMATIQUE DE  
DIFFERENTS NIVEAUX  
D'ASPIRATION A UNE SONDE  
OCULAIRE**  
[72] RANEY, ROB, US  
[72] CLAUS, MICHAEL J., US  
[72] GERG, JAMES, US  
[72] WONG, WAYNE S., US  
[72] KING, DAVID A., US  
[72] STAGGS, JAMES W., US  
[72] LEE, FRED, US  
[71] ABBOTT MEDICAL OPTICS INC.,  
US  
[22] 2009-11-06  
[41] 2010-05-14  
[62] 2,743,086  
[30] US (61/198,658) 2008-11-07

[21] **2,941,766**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61M  
1/00 (2006.01)**  
[25] EN  
[54] **AUTOMATICALLY SWITCHING  
DIFFERENT ASPIRATION  
LEVELS AND/OR PUMPS TO AN  
OCULAR PROBE**  
[54] **CHANGEMENT AUTOMATIQUE  
ENTRE DIFFERENTS NIVEAUX  
D'ASPIRATION APPLIQUES A  
UNE SONDE OCULAIRE ET/OU  
DIFFERENTES POMPES  
UTILISEES AVEC CETTE  
DERNIERE**  
[72] RANEY, ROB, US  
[72] CLAUS, MICHAEL J., US  
[72] GERG, JAMES, US  
[72] WONG, WAYNE S., US  
[72] KING, DAVID A., US  
[72] STAGGS, JAMES W., US  
[72] LEE, FRED, US  
[71] ABBOTT MEDICAL OPTICS INC.,  
US  
[22] 2009-11-06  
[41] 2010-05-14  
[62] 2,743,098  
[30] US (61/198,626) 2008-11-07

[21] **2,941,770**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01)**  
[25] EN  
[54] **AUTOMATICALLY SWITCHING  
DIFFERENT ASPIRATION  
LEVELS AND/OR PUMPS TO AN  
OCULAR PROBE**  
[54] **CHANGEMENT AUTOMATIQUE  
ENTRE DIFFERENTS NIVEAUX  
D'ASPIRATION APPLIQUES A  
UNE SONDE OCULAIRE ET/OU  
DIFFERENTES POMPES  
UTILISEES AVEC CETTE  
DERNIERE**  
[72] RANEY, ROB, US  
[72] CLAUS, MICHAEL J., US  
[72] GERG, JAMES, US  
[72] WONG, WAYNE S., US  
[72] KING, DAVID A., US  
[72] STAGGS, JAMES W., US  
[72] LEE, FRED, US  
[71] ABBOTT MEDICAL OPTICS INC.,  
US  
[22] 2009-11-06  
[41] 2010-05-14  
[62] 2,743,098  
[30] US (61/198,626) 2008-11-07

[21] **2,941,772**  
[13] A1

[51] **Int.Cl. A61F 9/007 (2006.01) A61F  
9/00 (2006.01) A61M 1/00 (2006.01)**  
[25] EN  
[54] **AUTOMATICALLY SWITCHING  
DIFFERENT ASPIRATION  
LEVELS AND/OR PUMPS TO AN  
OCULAR PROBE**  
[54] **CHANGEMENT AUTOMATIQUE  
ENTRE DIFFERENTS NIVEAUX  
D'ASPIRATION APPLIQUES A  
UNE SONDE OCULAIRE ET/OU  
DIFFERENTES POMPES  
UTILISEES AVEC CETTE  
DERNIERE**  
[72] RANEY, ROB, US  
[72] CLAUS, MICHAEL J., US  
[72] GERG, JAMES, US  
[72] WONG, WAYNE S., US  
[72] KING, DAVID A., US  
[72] STAGGS, JAMES W., US  
[72] LEE, FRED, US  
[71] ABBOTT MEDICAL OPTICS INC.,  
US  
[22] 2009-11-06  
[41] 2010-05-14  
[62] 2,743,098  
[30] US (61/198,626) 2008-11-07

[21] **2,941,777**  
[13] A1

[51] **Int.Cl. A61J 7/00 (2006.01) G06Q  
10/08 (2012.01) G06Q 50/22 (2012.01)  
B65G 1/137 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL STORAGE  
AND RETRIEVAL SYSTEM AND  
METHODS OF STORING AND  
RETRIEVING  
PHARMACEUTICALS**  
[54] **SYSTEME ET PROCEDES DE  
STOCKAGE ET DE  
RECUPERATION DE PRODUITS  
PHARMACEUTIQUES**  
[72] HOLMES, WILLIAM K., US  
[71] SAFEACCESS LLC, US  
[22] 2008-12-19  
[41] 2009-07-09  
[62] 2,710,782  
[30] US (61/015,119) 2007-12-19  
[30] US (61/091,261) 2008-08-22

[21] **2,941,798**  
[13] A1

[51] **Int.Cl. E05D 13/00 (2006.01) E05D  
15/16 (2006.01) E05F 1/16 (2006.01)**  
[25] EN  
[54] **WINDOW BALANCE ASSEMBLY**  
[54] **ENSEMBLE D'EQUILIBRAGE DE  
FENETRE**  
[72] BAKER, MARK R., US  
[72] KELLUM, WILBUR JAMES, III, US  
[71] CALDWELL MANUFACTURING  
COMPANY NORTH AMERICA, LLC,  
US  
[22] 2011-02-09  
[41] 2011-08-18  
[62] 2,788,906  
[30] US (61/302,722) 2010-02-09  
[30] US (61/302,715) 2010-02-09

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[21] **2,941,802**  
[13] A1

[51] **Int.Cl. E05D 13/00 (2006.01) E05D 15/16 (2006.01) E05F 1/16 (2006.01)**  
[25] EN  
[54] **WINDOW BALANCE ASSEMBLY**  
[54] **ENSEMBLE D'EQUILIBRAGE DE FENETRE**  
[72] BAKER, MARK R., US  
[72] KELLUM, WILBUR JAMES, III, US  
[72] DENORMAND, RICHARD S., US  
[71] CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC, US  
[22] 2011-02-09  
[41] 2011-08-18  
[62] 2,788,906  
[30] US (61/302,722) 2010-02-09  
[30] US (61/302,715) 2010-02-09

[21] **2,941,805**  
[13] A1

[51] **Int.Cl. E05D 13/00 (2006.01) E05D 15/16 (2006.01) E05F 1/16 (2006.01)**  
[25] EN  
[54] **WINDOW BALANCE ASSEMBLY**  
[54] **ENSEMBLE D'EQUILIBRAGE DE FENETRE**  
[72] BAKER, MARK R., US  
[72] KELLUM, WILBUR JAMES III, US  
[71] CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC, US  
[22] 2011-02-09  
[41] 2011-08-18  
[62] 2,788,906  
[30] US (61/302,722) 2010-02-09  
[30] US (61/302,715) 2010-02-09

[21] **2,941,860**  
[13] A1

[51] **Int.Cl. A61M 36/06 (2006.01) G21F 3/00 (2006.01)**  
[25] EN  
[54] **INFUSION SYSTEM CONFIGURATIONS**  
[54] **CONFIGURATIONS DE SYSTEME DE PERFUSION**  
[72] QUIRICO, CHARLES R., US  
[72] BALESTRACCI, ERNEST, US  
[72] SWENSON, ROLF E., US  
[72] DARST, DANIEL D., US  
[72] KRAUSE, ERIC J., US  
[72] LOCKHANDE, VISHAL N., US  
[72] CHILDS, JACOB S., US  
[71] BRACCO DIAGNOSTICS INC., US  
[22] 2009-06-11  
[41] 2009-12-17  
[62] 2,724,644  
[30] US (12/137,364) 2008-06-11  
[30] US (12/137,363) 2008-06-11  
[30] US (12/137,356) 2008-06-11  
[30] US (12/137,377) 2008-06-11

[21] **2,941,879**  
[13] A1

[51] **Int.Cl. E05D 13/00 (2006.01) E05D 15/16 (2006.01) E05F 1/16 (2006.01)**  
[25] EN  
[54] **WINDOW BALANCE ASSEMBLY**  
[54] **ENSEMBLE D'EQUILIBRAGE DE FENETRE**  
[72] BAKER, MARK R., US  
[72] KELLUM, WILBUR JAMES, III, US  
[72] DENORMAND, RICHARD S., US  
[71] CALDWELL MANUFACTURING COMPANY NORTH AMERICA, LLC, US  
[22] 2011-02-09  
[41] 2011-08-18  
[62] 2,788,906  
[30] US (61/302,722) 2010-02-09  
[30] US (61/302,715) 2010-02-09

[21] **2,942,069**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 90/30 (2016.01) A61B 1/05 (2006.01) A61B 1/06 (2006.01)**  
[25] EN  
[54] **SURGICAL IMAGING SYSTEMS**  
[54] **SYSTEMES D'IMAGERIE CHIRURGICALE**  
[72] WOOD, MICHAEL, CA  
[72] PIRON, CAMERON, CA  
[72] YUWARAJ, MURUGATHAS, CA  
[72] SELA, GAL, CA  
[72] RICHMOND, JOSHUA, CA  
[72] MCFADYEN, STEPHEN, CA  
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB  
[22] 2014-03-14  
[41] 2014-09-18  
[62] 2,894,133  
[30] US (61/800,911) 2013-03-15  
[30] US (61/800,695) 2013-03-15  
[30] US (61/801,530) 2013-03-15  
[30] US (61/818,223) 2013-05-01  
[30] US (61/818,280) 2013-05-01

[21] **2,942,096**  
[13] A1

[51] **Int.Cl. A23L 33/115 (2016.01) A23L 19/00 (2016.01) A21D 13/00 (2006.01) A23C 9/152 (2006.01) A23D 7/00 (2006.01) A23G 9/42 (2006.01) A61K 31/23 (2006.01)**  
[25] EN  
[54] **METHODS AND LIPID COMPOSITIONS FOR REDUCING THE FREQUENCY AND DURATION OF CRYING PERIODS IN A HEALTHY INFANT**  
[54] **PROCEDES ET COMPOSITIONS LIPIDIQUES POUR FAVORISER LE DEVELOPPEMENT DE LA FLORE INTESTINALE**  
[72] BAR-YOSEPH, FABIANA, IL  
[72] MANOR, YONATAN, IL  
[72] COHEN, TZAFRA, IL  
[72] GOREN, AMIT, IL  
[72] LIFSHITZ, YAEL, IL  
[71] ENZYMOTECH LTD., IL  
[22] 2011-04-26  
[41] 2011-11-03  
[62] 2,792,353  
[30] US (61/327,964) 2010-04-26

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,942,123**  
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01)**  
[25] EN  
[54] **MEDICAL IMPLEMENT FOR MANIPULATING SUTURES PARTICULARLY USEFUL IN ARTHROSCOPIC SURGERY**  
[54] **INSTRUMENT MEDICAL POUR MANIPULATION DE SUTURES, PARTICULIEREMENT UTILE EN CHIRURGIE ARTHROSCOPIQUE**  
[72] OREN, RAN, IL  
[72] MOOR, DAN, IL  
[71] T.A.G. MEDICAL DEVICES- AGRICULTURE COOPERATIVE LTD., IL  
[22] 2010-02-17  
[41] 2010-08-26  
[62] 2,751,735  
[30] US (61/152,980) 2009-02-17

[21] **2,942,125**  
[13] A1

[51] **Int.Cl. E21B 47/09 (2012.01) E21B 7/08 (2006.01) E21B 7/10 (2006.01) E21B 47/12 (2012.01)**  
[25] EN  
[54] **ROTARY STEERABLE SYSTEM FOR VERTICAL DRILLING**  
[54] **SYSTEME ORIENTABLE ROTATIF POUR FORAGE VERTICAL**  
[72] MARSON, DANIEL ANDREW, CA  
[72] SULLIVAN, DANIEL MARK, GB  
[72] PAGETT, JOHN MACKINLEY, GB  
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[22] 2014-03-04  
[41] 2014-09-12  
[62] 2,844,572  
[30] US (13/797,875) 2013-03-12

[21] **2,942,128**  
[13] A1

[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 9/14 (2006.01) A61P 3/10 (2006.01)**  
[25] EN  
[54] **MICROSPHERE-BASED COMPOSITION FOR PREVENTING AND/OR REVERSING NEW-ONSET AUTOIMMUNE DIABETES**  
[54] **COMPOSITION A BASE DE MICROSPHERES DESTINEE A LA PREVENTION ET/OU AU RENVERSEMENT D'UNE SITUATION DE NOUVELLE APPARITION D'UN DIABETE AUTO-IMMUN**  
[72] BROWN, LARRY R., US  
[72] GIANNOUKAKIS, NICK, US  
[72] GILLIS, KIMBERLY A., US  
[71] BAXTER HEALTHCARE S.A., CH  
[71] BAXTER INTERNATIONAL INC., US  
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US  
[22] 2007-08-06  
[41] 2008-02-14  
[62] 2,657,517  
[30] US (60/835742) 2006-08-04  
[30] US (60/864914) 2006-11-08

[21] **2,942,142**  
[13] A1

[51] **Int.Cl. A01N 43/707 (2006.01) A01N 35/10 (2006.01) A01N 37/40 (2006.01) A01N 41/10 (2006.01) A01N 43/40 (2006.01) A01N 43/50 (2006.01) A01N 43/653 (2006.01) A01N 43/70 (2006.01) A01N 43/80 (2006.01) A01N 43/84 (2006.01) A01N 43/90 (2006.01) A01N 47/36 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01)**  
[25] EN  
[54] **6-ACYL-1,2,4-TRIAZINE-3,5-DIONE DERIVATIVE AND HERBICIDES**  
[54] **DERIVE 6-ACYL-1,2,4-TRIAZINE-3,5-DIONE ET HERBICIDES**  
[72] SHIBAYAMA, ATSUSHI, JP  
[72] KAJIKI, RYU, JP  
[72] KOBAYASHI, MASAMI, JP  
[72] MITSUNARI, TAKASHI, JP  
[72] NAGAMATSU, ATSUSHI, JP  
[71] FMC CORPORATION, US  
[22] 2011-05-26  
[41] 2012-01-05  
[62] 2,803,752  
[30] JP (2010/148286) 2010-06-29

[21] **2,942,157**  
[13] A1

[51] **Int.Cl. E21B 43/243 (2006.01) E21B 43/24 (2006.01)**  
[25] EN  
[54] **A SYSTEM FOR CONFINING STEAM INJECTED INTO A HEAVY OIL RESERVOIR**  
[54] **SYSTEME DE CONFINEMENT DE VAPEUR INJECTEE DANS UN RESERVOIR DE PETROLE LOURD**  
[72] LI, JIAN, CA  
[72] COULTER, CALVIN R., CA  
[72] FONG, JAMES, CA  
[71] SUNCOR ENERGY INC., CA  
[22] 2014-12-23  
[41] 2015-03-09  
[62] 2,876,765

[21] **2,942,180**  
[13] A1

[51] **Int.Cl. H04W 48/20 (2009.01) H04W 4/24 (2009.01) H04W 48/08 (2009.01) H04W 60/00 (2009.01) H04W 88/06 (2009.01)**  
[25] EN  
[54] **SYSTEM AND METHOD TO INDICATE IP-BASED WIRELESS TELECOMMUNICATIONS SERVICE AVAILABILITY AND RELATED INFORMATION**  
[54] **SYSTEME ET METHODE POUR INDIQUER LA DISPONIBILITE DE SERVICE DE TELECOMMUNICATIONS SANS FIL SUR RESEAU IP ET INFORMATION CONNEXE**  
[72] CALDWELL, CHRISTOPHER E., US  
[72] LINKOLA, JANNE P., US  
[71] T-MOBILE USA, INC., US  
[22] 2007-10-22  
[41] 2008-04-20  
[62] 2,832,868  
[30] US (60/853,149) 2006-10-20  
[30] US (60/862,596) 2006-10-23

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[21] **2,942,310**  
[13] A1

[51] **Int.Cl. A61F 9/009 (2006.01) A61B 18/20 (2006.01) A61F 9/008 (2006.01)**

[25] EN

[54] **OPHTHALMIC INTERFACE APPARATUS AND SYSTEM AND METHOD OF INTERFACING A SURGICAL LASER WITH AN EYE**

[54] **APPAREIL D'INTERFACAGE OPHTALMIQUE ET SYSTEME ET PROCEDE D'INTERFACAGE D'UN LASER CHIRURGICAL AVEC L'OEIL**

[72] LUMMIS, WESLEY, US

[72] RAKSI, FERENC, US

[72] KURTZ, RONALD M., US

[71] AMO DEVELOPMENT, LLC, US

[22] 2008-11-26

[41] 2009-06-11

[62] 2,706,890

[30] US (11/948,433) 2007-11-30

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[21] **2,942,365**  
[13] A1

[51] **Int.Cl. A61K 6/083 (2006.01) A61K 6/09 (2006.01)**

[25] EN

[54] **DENTAL COMPOSITIONS FOR COATING RESTORATIONS AND TOOTH SURFACES**

[54] **COMPOSITIONS DENTAIREES DE REVETEMENT DES PROTHESES ET DE LA SURFACE DES DENTS**

[72] HUO, XIN, US

[72] O'CONNOR, MICHAEL, US

[72] SIZE, ROBERT J., US

[71] DENTSPLY INTERNATIONAL INC., US

[22] 2008-05-09

[41] 2008-11-20

[62] 2,687,201

[30] US (60/928,766) 2007-05-11

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[21] **2,942,482**  
[13] A1

[51] **Int.Cl. A63H 33/00 (2006.01) A63H 33/42 (2006.01)**

[25] EN

[54] **DEVICE FOR CREATING AND DISPLAYING LIQUID-MEDIUM MOVEMENT WITHIN A VESSEL CONTAINING A DIORAMIC SCENE**

[54] **DISPOSITIF POUR CREER ET AFFICHER UN MOUVEMENT DE MILIEU LIQUIDE DANS UN RECIPIENT CONTENANT UNE SCENE EN DIORAMA**

[72] JAMES, JOSHUA, US

[72] NORTHUP, FRED, US

[72] LARSON, LAWRENCE SCOT, US

[72] KOLENBRANDER, JEREMY, US

[72] LADTKOW, JAMES, US

[71] RAINGLOBES, LLC, US

[22] 2009-04-08

[41] 2009-10-15

[62] 2,758,503

[30] US (61/043,990) 2008-04-10

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[21] **2,942,567**  
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 50/30 (2016.01) A61B 90/00 (2016.01) A61B 17/94 (2006.01)**

[25] EN

[54] **MAGNARETRACTOR SYSTEM AND METHOD**

[54] **SYSTEME ET PROCEDE DE MAGNARETRACTION**

[72] DEUTCH, TODD, US

[71] ATTRACTIVE SURGICAL, LLC, US

[22] 2008-11-26

[41] 2009-06-04

[62] 2,706,860

[30] US (60/996,575) 2007-11-26

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[21] **2,942,579**  
[13] A1

[51] **Int.Cl. A61B 17/115 (2006.01) A61M 31/00 (2006.01)**

[25] EN

[54] **STRUCTURE FOR APPLYING SPRAYABLE WOUND TREATMENT MATERIAL**

[54] **STRUCTURE PERMETTANT D'APPLIQUER UN MATERIAU DE TRAITEMENT PULVERISABLE SUR UNE PLAIE**

[72] HEINRICH, RUSSELL, US

[72] BETTUCHI, MICHAEL, US

[72] FOWLER, DAVID N., US

[72] CAPELLA, ROBERT, US

[72] HAUSCHILD, JOHN, US

[71] COVIDIEN LP, US

[22] 2005-10-14

[41] 2006-04-27

[62] 2,855,455

[30] US (60/620,102) 2004-10-18

[30] US (60/620,150) 2004-10-18

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[21] **2,942,597**  
[13] A1

[51] **Int.Cl. E04F 13/07 (2006.01) E04F 13/08 (2006.01) E04F 19/06 (2006.01)**

[25] EN

[54] **CORRUGATED FURRING STRIPS AND USE OF SAME IN UPRIGHT WALL STRUCTURES**

[54] **FOURRURES ONDULEES ET LEUR UTILISATION DANS LES STRUCTURES MURALES VERTICALES**

[72] UKRAINETZ, MICHAEL WAYNE, CA

[71] UKRAINETZ, MICHAEL WAYNE, CA

[22] 2015-10-05

[41] 2015-12-10

[62] 2,907,245

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demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,942,623**  
[13] A1

[51] **Int.Cl. E21B 43/10 (2006.01) E21B 47/13 (2012.01) E21B 23/06 (2006.01)**  
[25] EN  
[54] **TELEMETRY OPERATED SETTING TOOL**  
[54] **OUTIL DE REGLAGE ACTIONNE PAR TELEMETRIE**  
[72] TURLEY, ROCKY A., US  
[72] CAMPBELL, ROBIN L., US  
[72] HEIDECKE, KARSTEN, US  
[72] GIVENS, GEORGE, US  
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[22] 2014-11-03  
[41] 2015-05-18  
[62] 2,869,261  
[30] US (14/082,978) 2013-11-18

[21] **2,942,656**  
[13] A1

[51] **Int.Cl. A61B 34/20 (2016.01) A61B 17/24 (2006.01)**  
[25] EN  
[54] **NAVIGATED MALLEABLE SURGICAL INSTRUMENT**  
[54] **INSTRUMENT CHIRURGICAL MALLEABLE PILOTABLE**  
[72] BURG, BRUCE M., US  
[72] SMETZER, ROSS, US  
[72] BZOSTEZ, ANDREW, US  
[72] HARTMANN, STEVEN L., US  
[72] JACOBSEN, BRAD, US  
[72] NADEAU, MATTHEW J., US  
[71] MEDTRONIC XOMED, INC., US  
[22] 2011-04-29  
[41] 2011-11-03  
[62] 2,797,359  
[30] US (61/330,024) 2010-04-30  
[30] US (13/097,243) 2011-04-29

[21] **2,942,716**  
[13] A1

[51] **Int.Cl. C07K 7/06 (2006.01) A61K 47/48 (2006.01) A61K 49/00 (2006.01) A61P 3/00 (2006.01) A61P 9/00 (2006.01) A61P 21/00 (2006.01) C07K 19/00 (2006.01) C07H 21/00 (2006.01) C12N 15/11 (2006.01)**  
[25] EN  
[54] **MOLECULES FOR TARGETING COMPOUNDS TO VARIOUS SELECTED ORGANS OR TISSUES**  
[54] **MOLECULES PERMETTANT D'ORIENTER DES COMPOSES VERS DIVERS ORGANES OU TISSUS SELECTIONNES**  
[72] HEEMSKERK, JOHANNES ANTONIUS, NL  
[72] VAN DEUTEKOM, JUDITH C. T., NL  
[72] VAN KUIK-ROMEIJN, PETRA, NL  
[72] PLATENBURG, GERARD JOHANNES, NL  
[71] BIOMARIN TECHNOLOGIES B.V., NL  
[22] 2008-07-14  
[41] 2009-01-15  
[62] 2,693,048  
[30] EP (07112323.6) 2007-07-12

[21] **2,942,795**  
[13] A1

[51] **Int.Cl. A61L 31/16 (2006.01) A61L 29/08 (2006.01) A61L 29/16 (2006.01) A61L 31/08 (2006.01) A61L 33/04 (2006.01)**  
[25] EN  
[54] **LOCAL DELIVERY OF WATER-SOLUBLE OR WATER-INSOLUBLE THERAPEUTIC AGENTS TO THE SURFACE OF BODY LUMENS**  
[54] **ADMINISTRATION LOCALE D'AGENTS THERAPEUTIQUES SOLUBLES DANS L'EAU OU INSOLUBLES DANS L'EAU AUX LUMIERES CORPORELLES DE SURFACE**  
[72] MICHAL, EUGENE T., US  
[72] LERNER, DANIEL J., US  
[72] POLLMAN, MATTHEW J., US  
[71] THE SPECTRANETICS CORPORATION, US  
[22] 2009-09-14  
[41] 2010-03-18  
[62] 2,736,500  
[30] US (12/210,344) 2008-09-15  
[30] US (12/558,420) 2009-09-11

[21] **2,942,796**  
[13] A1

[51] **Int.Cl. E21B 33/14 (2006.01) C09K 8/42 (2006.01) C09K 8/50 (2006.01)**  
[25] EN  
[54] **IMPROVING SHEAR BOND STRENGTH OF SET CEMENT**  
[54] **AMELIORATIONS APORTEES A LA RESISTANCE D'ADHESION AU CISAILLEMENT D'UN CIMENT DURCI**  
[72] KARCHER, JEFFERY DWANE, US  
[72] JONES, PAUL JOSEPH, US  
[72] ROWE, MISTY DAWN, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[22] 2013-02-11  
[41] 2013-08-29  
[62] 2,862,941  
[30] US (13/404,499) 2012-02-24

[21] **2,942,806**  
[13] A1

[51] **Int.Cl. F16H 15/52 (2006.01) F16H 15/50 (2006.01) F16H 57/04 (2010.01)**  
[25] EN  
[54] **CONTINUOUSLY AND/OR INFINITELY VARIABLE TRANSMISSIONS AND METHODS THEREFOR**  
[54] **TRANSMISSIONS A VARIATION CONTINUE ET/OU INFINIE ET PROCEDES ASSOCIES**  
[72] BAZYN, MATT, US  
[72] CARTER, JEREMY, US  
[72] LOHR, CHARLES B., US  
[72] MALONE, CURTIS, US  
[72] MCDANIEL, LOREN T., US  
[72] POXTON, PETER D., US  
[71] FALLBROOK INTELLECTUAL PROPERTY COMPANY LLC, US  
[22] 2009-02-27  
[41] 2009-09-11  
[62] 2,716,908  
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[51] **Int.Cl. C02F 3/30 (2006.01) C02F 1/52 (2006.01) C02F 3/00 (2006.01) C02F 3/28 (2006.01) C12M 1/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR TREATING FGD BLOWDOWN OR SIMILAR LIQUIDS**

[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE LIQUIDES DE PURGE DE DESULFURATION DES GAZ DE COMBUSTION OU DE LIQUIDES SIMILAIRES**

[72] PEETERS, JEFFREY GERARD, CA

[72] BONKOSKI, WILLIAM A., US

[72] COTE, PIERRE LUCIEN, CA

[72] HUSAIN, HIDAYAT, CA

[72] PICKETT, TIMOTHY MICHAEL, US

[71] ZENON TECHNOLOGY PARTNERSHIP, US

[22] 2006-07-24

[41] 2007-02-01

[62] 2,615,945

[30] US (60/701,996) 2005-07-25

[30] CA (2,517,322) 2005-08-26

[30] US (60/736,859) 2005-11-16

[21] **2,942,986**  
[13] A1

[51] **Int.Cl. A61B 5/04 (2006.01) A61B 5/0452 (2006.01) A61B 5/046 (2006.01) A61B 18/14 (2006.01) A61B 18/18 (2006.01)**

[25] EN

[54] **METHODS, SYSTEM AND APPARATUS FOR THE DETECTION, DIAGNOSIS AND TREATMENT OF BIOLOGICAL RHYTHM DISORDERS**

[54] **MACHINE ET PROCEDE POUR LA LOCALISATION AUTOMATIQUE DE SOURCES DE TROUBLES DE RYTHME BIOLOGIQUE**

[72] NARAYAN, SANJIV, US

[72] RAPPEL, WOUTER-JAN, US

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

[22] 2009-10-09

[41] 2010-04-15

[62] 2,739,838

[30] US (61/195,866) 2008-10-09

[21] **2,942,993**  
[13] A1

[51] **Int.Cl. A61B 5/0452 (2006.01) A61B 5/0402 (2006.01) A61B 18/14 (2006.01)**

[25] EN

[54] **METHODS, SYSTEM AND APPARATUS FOR THE DETECTION, DIAGNOSIS AND TREATMENT OF BIOLOGICAL RHYTHM DISORDERS**

[54] **MACHINE ET PROCEDE POUR LA LOCALISATION AUTOMATIQUE DE SOURCES DE TROUBLES DE RYTHME BIOLOGIQUE**

[72] NARAYAN, SANJIV, US

[72] RAPPEL, WOUTER-JAN, US

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

[22] 2009-10-09

[41] 2010-04-15

[62] 2,739,838

[30] US (61/195,866) 2008-10-09

[21] **2,943,032**  
[13] A1

[51] **Int.Cl. A61K 31/593 (2006.01) A61K 9/00 (2006.01) A61K 9/52 (2006.01)**

[25] EN

[54] **ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER**

[54] **COMPOSITIONS ORALES A LIBERATION CONTROLEE COMPRENANT DES COMPOSES DE VITAMINE D ET UN VEHICULE CIREUX**

[72] BISHOP, CHARLES W., US

[72] CRAWFORD, KEITH H., US

[72] MESSNER, ERIC J., US

[72] TABASH, SAMIR P., CA

[72] WHITE, JAY A., CA

[72] PETKOVICH, P. MARTIN, CA

[72] AGUDOAWU, SAMMY A., CA

[71] CYTOCHROMA INC., CA

[71] PROVENTIV THERAPEUTICS, LLC, US

[22] 2008-04-25

[41] 2008-11-06

[62] 2,683,997

[30] US (60/913,853) 2007-04-25

[21] **2,943,122**  
[13] A1

[51] **Int.Cl. C12N 15/113 (2010.01) C07H 21/04 (2006.01) C12Q 1/68 (2006.01) C12Q 1/70 (2006.01) G01N 33/50 (2006.01) C12N 15/41 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR DETECTING RHINOVIRUSES**

[54] **METHODES ET COMPOSITIONS POUR LA DETECTION DE RHINOVIRUS**

[72] LEE, MING-CHOU, US

[72] KONG, LILLY I., US

[72] GROEN, JAN, US

[71] FOCUS DIAGNOSTICS, INC., US

[22] 2005-06-29

[41] 2007-01-04

[62] 2,576,955

[30] US (10/886,517) 2004-07-06

[21] **2,943,132**  
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 33/16 (2006.01) E21B 34/00 (2006.01) E21B 34/06 (2006.01)**

[25] EN

[54] **REMOTELY OPERATED ISOLATION VALVE**

[54] **VANNE D'ISOLEMENT TELECOMMANDEE**

[72] NOSKE, JOE, US

[72] SMITH, RODDIE R., US

[72] SMITH, PAUL L., US

[72] BAILEY, THOMAS F., US

[72] MCDOWELL, CHRISTOPHER L., US

[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US

[22] 2011-09-20

[41] 2012-03-29

[62] 2,811,117

[30] US (61/384,591) 2010-09-20

[30] US (61/492,012) 2011-06-01

**Demandes canadiennes apparentées par division et  
demandes mises à la disponibilité du public non disponibles auparavant**

[21] **2,943,136**  
[13] A1

[51] **Int.Cl. E04H 4/08 (2006.01) A61H 33/00 (2006.01)**  
[25] EN  
[54] **SPA HAVING A VERTICALLY ACTUATABLE COVER ASSEMBLY**  
[54] **INSTALLATION THERMALE PRESENTANT UN ENSEMBLE DE COUVERTURE A ACTIONNEMENT VERTICAL**  
[72] SPICER, WADE, US  
[71] STRONG INDUSTRIES, INC., US  
[22] 2012-10-29  
[41] 2013-05-10  
[62] 2,853,770  
[30] US (61/553,665) 2011-10-31

[21] **2,943,263**  
[13] A1

[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/09 (2006.01) A61K 39/116 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**  
[25] EN  
[54] **GLYCOCONJUGATION PROCESS**  
[54] **PROCEDE DE GLYCOCONJUGAISON**  
[72] HAN, MINGMING, US  
[72] KAINTHAN, RAJESH KUMAR, US  
[72] PRASAD, AVVARI KRISHNA, US  
[72] KIM, JIN-HWAN, US  
[71] PFIZER INC., US  
[22] 2013-12-13  
[41] 2014-06-26  
[62] 2,893,343  
[30] US (61/740,311) 2012-12-20

[21] **2,943,273**  
[13] A1

[51] **Int.Cl. H02B 1/28 (2006.01) H01R 13/52 (2006.01) H02G 3/08 (2006.01)**  
[25] EN  
[54] **PROTECTIVE APPARATUS FOR OUTDOOR ELECTRICAL OUTLETS**  
[54] **APPAREIL DE PROTECTION POUR PRISES ELECTRIQUES EXTERIEURES**  
[72] BROERE, HANS, CA  
[71] A.C. DANDY PRODUCTS LTD., CA  
[22] 2014-10-21  
[41] 2015-04-21  
[62] 2,868,890  
[30] US (61/893,524) 2013-10-21

[21] **2,943,317**  
[13] A1

[51] **Int.Cl. H04W 4/00 (2009.01) H04W 4/24 (2009.01) G06F 17/20 (2006.01) G06F 17/30 (2006.01)**  
[25] EN  
[54] **CLIENT-SIDE SEARCH TEMPLATES FOR ONLINE SOCIAL NETWORKS**  
[54] **MODELES DE RECHERCHE COTE CLIENT POUR DES RESEAUX SOCIAUX EN LIGNE**  
[72] XIE, TAO, US  
[72] KAZI, ROUSSEAU NEWAZ, US  
[72] BOUCHER, MAXIME, US  
[72] WU, YUNNAN, US  
[71] FACEBOOK, INC., US  
[22] 2014-01-28  
[41] 2015-07-23  
[62] 2,935,335  
[30] US (14/158,594) 2014-01-17

[21] **2,943,441**  
[13] A1

[51] **Int.Cl. H04W 4/14 (2009.01) H04W 80/10 (2009.01)**  
[25] EN  
[54] **SHORT MESSAGE SERVICE MOBILE ORIGINATED/MOBILE TERMINATED WITHOUT MOBILE STATION INTERNATIONAL SUBSCRIBER DIRECTORY NUMBER (MSISDN) IN INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM (IMS)**  
[54] **SERVICE DE MESSAGES COURTS PROVENANT D'UN MOBILE/A DESTINATION D'UN MOBILE SANS NUMERO INTERNATIONAL D'ABONNE MOBILE (MSISDN) DANS UN SOUS-SYSTEME MULTIMEDIA DE PROTOCOLE INTERNET (IMS)**  
[72] WONG, CURT, US  
[72] MUTIKAINEN, JARI, FI  
[71] NOKIA TECHNOLOGIES OY, FI  
[22] 2013-04-08  
[41] 2013-10-17  
[62] 2,869,116  
[30] US (61/622166) 2012-04-10

[21] **2,943,691**  
[13] A1

[51] **Int.Cl. G01L 19/14 (2006.01)**  
[25] FR  
[54] **SEALED PRESSURE-MEASURING MEMBER**  
[54] **ORGANE DE MESURE DE PRESSION ETANCHE**  
[72] CHAMPREDONDE, JONATHAN, ES  
[72] LEMAN, RICHARD, GB  
[72] LEMAN, MARK, GB  
[72] SMITH, PETER, GB  
[71] MICHELIN RECHERCHE ET TECHNIQUE S.A., CH  
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR  
[22] 2010-09-30  
[41] 2011-04-07  
[62] 2,775,382  
[30] FR (09 56 796) 2009-09-30

[21] **2,943,712**  
[13] A1

[51] **Int.Cl. G01N 33/558 (2006.01) G01N 33/532 (2006.01) G01N 33/543 (2006.01) G01N 33/569 (2006.01)**  
[25] EN  
[54] **METHODS AND DEVICES FOR THE DETECTION OF BIOFILM**  
[54] **PROCEDES ET DISPOSITIFS POUR LA DETECTION DE BIOFILM**  
[72] LEID, JEFFREY G., US  
[72] VAIL, TIMOTHY L., US  
[72] KOFONOW, JENNIFER M., US  
[72] SHIRTLIFF, MARK E., US  
[72] BRADY, REBECCA A., US  
[71] THE ARIZONA BOARD OF REGENTS, A BODY CORPORATE OF THE STATE OF ARIZONA ACTING FOR AND ON BEHALF OF NORTHERN ARIZONA UNIVERSITY, US  
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US  
[22] 2008-07-30  
[41] 2009-02-05  
[62] 2,694,974  
[30] US (60/974,258) 2007-09-21  
[30] US (62/952,786) 2007-07-30

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[21] **2,943,774**  
[13] A1

[51] **Int.Cl. H02G 15/04 (2006.01) H02G 15/013 (2006.01)**  
[25] EN  
[54] **SEALING GLAND SYSTEM**  
[54] **SYSTEME PRESSE-ETOUPE D'ETANCHEITE**  
[72] SHIMIRAK, GERALD L., US  
[72] SHEALS, DEREK, US  
[71] CHANNELL COMMERCIAL CORPORATION, US  
[22] 2009-06-04  
[41] 2009-12-10  
[62] 2,727,049  
[30] US (12/134,077) 2008-06-05

[21] **2,943,779**  
[13] A1

[51] **Int.Cl. B64D 11/00 (2006.01) B60R 7/00 (2006.01) B64D 9/00 (2006.01)**  
[25] EN  
[54] **PIVOT BIN ASSEMBLY**  
[54] **ENSEMBLE CASIER A PIVOT**  
[72] SAVIAN, SCOTT, US  
[72] KEARSEY, STEPHEN, GB  
[71] C&D ZODIAC, INC., US  
[22] 2013-02-13  
[41] 2013-08-22  
[62] 2,859,823  
[30] US (13/765,652) 2013-02-12  
[30] US (61/598,816) 2012-02-14  
[30] US (61/598,856) 2012-02-14

[21] **2,943,923**  
[13] A1

[51] **Int.Cl. G01N 33/543 (2006.01) G01N 33/53 (2006.01) G01N 33/94 (2006.01)**  
[25] EN  
[54] **SOLID PHASE MULTI-ANALYTE ASSAY**  
[54] **DOSAGE MULTI-ANALYTES EN PHASE SOLIDE**  
[72] HILL, VIRGINIA, US  
[72] ATEFI, MOHAMMAD, US  
[72] SCHAFFER, MICHAEL I., US  
[71] PSYCHEMEDICS CORPORATION, US  
[22] 2009-04-29  
[41] 2009-11-05  
[62] 2,723,162  
[30] US (61/048,892) 2008-04-29

[21] **2,943,966**  
[13] A1

[51] **Int.Cl. G02B 21/36 (2006.01) A61B 5/1455 (2006.01) G01J 3/443 (2006.01) G02B 21/06 (2006.01) H04N 5/335 (2011.01)**  
[25] EN  
[54] **MICROSCOPY IMAGING DEVICE WITH ADVANCED IMAGING PROPERTIES**  
[54] **DISPOSITIF D'IMAGERIE MICROSCOPIQUE POSSEDANT DES PROPRIETES D'IMAGERIE AVANCEES**  
[72] GHOSH, KUNAL, US  
[72] BURNS, LAURIE, US  
[72] EL GAMAL, ABBAS, US  
[72] SCHNITZER, MARK J., US  
[72] COCKER, ERIC, US  
[72] HO, TATT WEI, US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US  
[22] 2011-08-25  
[41] 2012-03-01  
[62] 2,809,581  
[30] US (61/377,591) 2010-08-27

[21] **2,943,967**  
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) H04W 4/12 (2009.01) G06Q 10/10 (2012.01)**  
[25] EN  
[54] **MOBILE PUSH NOTIFICATION**  
[54] **NOTIFICATION DE TRANSFERT MOBILE**  
[72] ZADOROZNY, RICHARD KENNETH, US  
[72] TALWAR, MOHIT, US  
[72] POPOV, LEV, US  
[72] YAO, ROSE, US  
[71] FACEBOOK, INC., US  
[22] 2013-11-04  
[41] 2014-06-26  
[62] 2,893,486  
[30] US (13/718,273) 2012-12-18

[21] **2,943,993**  
[13] A1

[51] **Int.Cl. G08B 19/00 (2006.01) H04W 52/02 (2009.01) H04W 80/02 (2009.01) G08B 17/10 (2006.01) G08B 21/14 (2006.01)**  
[25] EN  
[54] **BIFURCATED PROCESSOR HAZARD DETECTION SYSTEMS**  
[54] **SYSTEMES DE DETECTION DE DANGER A PROCESSEUR BIFURQUE**  
[72] SMITH, IAN C., US  
[72] WARREN, DANIEL ADAM, US  
[72] MULLINS, SCOTT, US  
[72] CONNER, BRIAN JONATHAN, US  
[71] GOOGLE INC., US  
[22] 2014-07-17  
[41] 2015-01-22  
[62] 2,918,662  
[30] US (61/847,916) 2013-07-18  
[30] US (61/847,905) 2013-07-18

[21] **2,944,239**  
[13] A1

[51] **Int.Cl. G01J 5/10 (2006.01) A41D 20/00 (2006.01) A42B 3/04 (2006.01) A42C 5/02 (2006.01) A61B 5/01 (2006.01) G02C 11/00 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR MEASURING BIOLOGIC PARAMETERS**  
[54] **APPAREIL ET PROCEDE DE MESURE DE PARAMETRES BIOLOGIQUES**  
[72] ABREU, MARCIO MARC, US  
[71] ABREU, MARCIO MARC, US  
[22] 2006-10-24  
[41] 2007-05-03  
[62] 2,627,278  
[30] US (60/729,232) 2005-10-24  
[30] US (60/802,503) 2006-05-23

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3D SYSTEMS, INC.	2,668,897	AL-TURK, SARRY	2,772,126	ANHUI ELECTRIC POWER CORPORATION	2,828,327
4382412 CANADA INC. D/B/A ILLUMINATION DEVICES	2,845,053	AL-ZAYED, OMAR Z.	2,805,524	ANHUI TONGLING POWERSUPPLY COMPANY	2,828,327
AARNIO, ARI ANTERO	2,799,443	ALBERTSSON ERLANSON, CHARLOTTE	2,609,208	ANITUA ALDECOA, EDUARDO	2,728,147
ABB TECHNOLOGY AG	2,836,841	ALBERTSSON, PER-AKE	2,609,208	ANSARI, NASIR MAHMOOD	2,847,703
ABBVIE DEUTSCHLAND GMBH & CO KG	2,720,659	ALCOA INC.	2,685,042	ANTAL, ISTVAN	2,743,205
ABE, MASAYUKI	2,848,028	ALCOA INC.	2,686,628	ANTONENKO, PETER	2,813,732
ABERMAN, ZAMI	2,699,664	ALCOA INC.	2,863,237	APPLE INC.	2,752,582
ABL IP HOLDING LLC	2,810,050	ALCOA INC.	2,820,912	APPLE INC.	2,791,791
ABNEY, LAURENCE JAMES	2,881,058	ALDANA, LEONARDO	2,519,785	AQUERO COMPANY, LLC	2,731,608
ABSOLUTE SOFTWARE CORPORATION	2,778,925	ALEJANDRO, JOSE	2,519,785	ARAMAKI, TAKASHI	2,848,028
ACCENTURE GLOBAL SERVICES LIMITED	2,674,659	ALFA LAVAL CORPORATE AB	2,861,234	ARBESMAN, RAY	2,917,245
ACCENTURE GLOBAL SERVICES LIMITED	2,700,775	ALFA LAVAL CORPORATE AB	2,864,958	ARCHAMBAULT, RENE	2,670,581
ACCENTURE GLOBAL SERVICES LIMITED	2,761,839	ALFA LAVAL CORPORATE AB	2,868,622	ARDIFF, HENRY G.	2,716,885
ACCENTURE GLOBAL SERVICES LIMITED	2,804,230	ALINEJAD, MONA	2,825,675	ARENDS, BEREND JAN	2,747,088
ACCENTURE GLOBAL SERVICES LIMITED	2,832,163	ALKON, DANIEL L.	2,731,171	ARIAD PHARMACEUTICALS, INC.	2,743,449
ACOSTA, FRANK	2,884,123	ALLARD, RANDY	2,715,389	ARMAGEN TECHNOLOGIES, INC.	2,625,293
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AFL TELECOMMUNICATIONS LLC	2,703,071	ALU, JOSEPH	2,719,209	ASPEN MOTION TECHNOLOGIES, INC.	2,718,512
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AHMED, ALI SHAHID	2,654,647	AMADEUS S.A.S.	2,550,711	ATHANS, ROBERT EDWARD	2,672,806
AHNER, TODD D.	2,855,115	AMAZON TECHNOLOGIES, INC.	2,812,590	ATKINSON, JONATHAN RICHARD	2,680,077
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AHRNE, SIV	2,679,480	AMBROSIO, LUIGI	2,695,974	AU, ALEXANDER W.	2,702,663
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AIRBIQUITY INC.	2,842,356	AMENGUAL PERICAS, ANTONIO	2,769,167	AUDIBERT-HAYET, ANNIE	2,671,255
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LANTERN CO., INC.	2,688,185	TAPADIYA, SARIKA		SERVICES GROUP, INC.	2,882,998
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STOCKMANN, MARTIN	2,785,490	TELEFONAKTIEBOLAGET LM		THE TRUSTEES OF THE	
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BERTOLI, ALESSANDRO	2,941,973	BOSTON SCIENTIFIC SCIMED, INC.	2,942,277	BUTLER, ROBERT	2,944,219
BESSAC, LAURENCE	2,942,549	BOUCHARD, MARIE-LOUISE	2,943,436	C.R. BARD, INC.	2,943,692
BEY, RUSSELL	2,943,786	BOUDREAU, MICHAEL HOWARD	2,943,550	CABRERA, DANIEL	2,943,965
BHARADWAJ, RAJIV	2,943,624	BOUILLOT, PHILIPPE MICHEL RENE	2,942,236	CAGNIE, RUBEN	2,943,454
BIAN, ZHIGUO	2,943,815	BOUNY, ELODIE	2,942,733	CAIL, KEVIN	2,943,791
BICK, MARCEL	2,943,895	BOYLE, PATRICK	2,943,775	CAIMI, RENATO	2,941,833
BIDERMAN, ASSAF	2,943,454	BOZUKOVA, DIMITRIYA	2,941,895	CAIRE INC.	2,944,040
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BIGAL, MARCELO	2,943,551	BRASSARD, AARON	2,943,637	CALITOR SCIENCES, LLC	2,943,979
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BIRD ROCK BIO, INC.	2,944,049	BRIERS, YVES	2,941,426	CARL, CRAIG KEITH	2,943,492
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BISWAS, SUJAY	2,942,280	BRITISH GAS TRADING LIMITED	2,942,284	CARPENTER, JOHN CHARLES	2,944,144
BJORKHOLM, LARS	2,942,241	BRIXNER, MATTHIAS	2,934,471	CARRASCO, CESAR	2,942,195
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FULLER, CARL W.	2,943,952	GLAXOSMITHKLINE BIOLOGICALS S.A.	2,942,235	HALDOR TOPSOE A/S	2,941,909
FUNDACIO INSTITUT D'INVESTIGACIO BIOMEDICA DE BELLVITGE (IDIBELL)	2,944,281	GLAXOSMITHKLINE BIOLOGICALS S.A.	2,942,450	HALLAND, NIS	2,942,121
FURUSKOG, JOHAN	2,943,697	GLOBAL LNG SERVICES LTD.	2,942,710	HALLAND, NIS	2,942,753
GADGIL, HIMANSHU	2,943,919	GLOMBIK, HEINER	2,942,121	HALLIBURTON ENERGY SERVICES INC.	2,943,595
GAGGIONE SAS	2,943,909	GLOMBIK, HEINER	2,942,753	HALLIBURTON ENERGY SERVICES, INC.	2,943,538
GALIPEAU, KEVIN	2,942,134	GOBBI, LUCA	2,944,256	HALLIBURTON ENERGY SERVICES, INC.	2,943,594
GAME COMPLEX, INC.	2,944,023	GODESSART MARINA, NURIA	2,941,429	HALLIBURTON ENERGY SERVICES, INC.	2,943,596
GAN, SENG CHAI	2,942,294	GODESSART MARINA, NURIA	2,941,436	HALLIBURTON ENERGY SERVICES, INC.	2,943,799
GANDOLFI, RAFFAELLA	2,941,486	GOEDE, RAINER	2,942,437	HALLIBURTON ENERGY SERVICES, INC.	2,943,978
GANE, PATRICK A. C.	2,941,527	GOETZ, REGINA	2,943,361	HALLIBURTON ENERGY SERVICES, INC.	2,943,980
GANJAWALA, TUSHAR H. GANYMED	2,942,324	GOLAN, MOSHE	2,943,428	HALLIBURTON ENERGY SERVICES, INC.	2,943,981
PHARMACEUTICALS AG	2,942,459	GOLDMAN, AARON	2,943,609	HALLIBURTON ENERGY SERVICES, INC.	2,943,982
GAO, MEI HUA	2,943,751	GOLDMAN, DAVID	2,943,692	HALLIBURTON ENERGY SERVICES, INC.	2,943,984
GAREAU, ERIC	2,928,642	GOLFZON YUWON HOLDINGS CO., LTD.	2,943,514	HALLIBURTON ENERGY SERVICES, INC.	2,943,985
GARIDEL, PATRICK	2,942,233	GONNET, STEFAN	2,943,934	HALLIBURTON ENERGY SERVICES, INC.	2,944,151
GARRETT, JOHN TONY	2,943,491	GOODRIDGE, RICHARD	2,943,777	HALLIBURTON ENERGY SERVICES, INC.	2,943,555
GASTALDI, DARIO	2,942,625	GOOGLE INC.	2,943,489	HALLIBURTON ENERGY SERVICES, INC.	2,944,205
GATTI MCARTHUR, SILVIA	2,943,877	GOOGLE INC.	2,943,810	HALLIBURTON ENERGY SERVICES, INC.	2,943,421
GAUDEFROY, VINCENT	2,943,942	GOSSEL, MATTHIAS	2,942,121	HALLIBURTON ENERGY SERVICES, INC.	2,943,737
GAWENDA, SUSANNE	2,943,558	GOSSEL, MATTHIAS	2,942,753	HALLIBURTON ENERGY SERVICES, INC.	2,944,220
GAZAGNES, JONATHAN	2,944,120	GOTO, SHISEI	2,943,930	HALLIBURTON ENERGY SERVICES, INC.	2,943,751
GE AVIATION SYSTEMS LLC	2,943,715	GOTO, SHISEI	2,943,930	HALLIBURTON ENERGY SERVICES, INC.	2,944,132
GE AVIO S.R.L.	2,942,624	GOTTLIEB, PETER	2,943,938	HANGZHOU GREAT STAR INDUSTRIAL CO., LTD.	2,942,779
GEDEX SYSTEMS INC.	2,943,443	GOTTSCHALK, MICHAEL J.	2,943,493	HANGZHOU GREAT STAR INDUSTRIAL CO., LTD.	2,943,655
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		GREEN, CHARLES BRADLEY	2,943,487		
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HARA, NOBUO	2,943,765	HIRONIWA, NAOKA	2,943,943	IGUMNOV, ALEXEI VLADIMIROVICH	2,943,516
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L & P PROPERTY		LELY PATENT N.V.	2,941,881	LIZANDARA, CARLOS	2,942,587
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L'AIR LIQUIDE, SOCIETE		LERNER, DANIEL MAURICE	2,943,991	LONDONO RESTREPO, JUAN	
ANONYME POUR		LESLIE, KEITH	2,943,895	DAVID	2,936,428
L'ETUDE ET		LEVIN, VICTOR	2,944,130	LOPIANO, FABIO	2,943,713
L'EXPLOITATION DES		LEVNER, DANIEL	2,944,220	LORIYA, RAJESHKUMAR	
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L.O.M. LABORATORIES INC.	2,943,721	LEWIS, WILLIAM ERNEST	2,942,744	LOS ALAMOS NATIONAL	
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FRACTIONNEMENT ET		LG ELECTRONICS INC.	2,943,828	LOVELESS, BRETT	2,943,606
DES BIOTECHNOLOGIES	2,942,203	LG ELECTRONICS INC.	2,943,831	LOVELESS, BRETT	2,943,612
LABORATOIRES		LG LIFE SCIENCES LTD.	2,943,667	LOVGREN, TIMO	2,944,001
EXPANSIONCE	2,943,573	LI, CHUN SING	2,943,858	LOWSKY, JOHN	2,943,954
LABRUM, DEANE	2,943,440	LI, CONG	2,943,899	LR INTRALOGISTIK GMBH	2,942,429
LABUNKA, MATT	2,943,616	LI, HONGCHAO	2,943,427	LU, QI	2,942,324
LACHANCE, JASON, W.	2,944,033	LI, JIA	2,943,817	LUBELSKI, JACEK	2,942,289
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LAEGREID, WILLIAM W.	2,943,478	LI, XIAO	2,943,713	LUNDBACK, STIG	2,942,607
LAING, CARSON	2,942,608	LI, XIAOBO	2,943,979	LUPIN LIMITED	2,944,115
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LANDMARK GRAPHICS		LI, YUNSHENG	2,943,773	LUXFORD, BRIAN GERARD	2,943,385
CORPORATION	2,943,970	LIAO, YEN-CHIH	2,942,755	LYLE, SCOTT DEVON	2,943,272
LANG, ANTHONY EDWARD	2,943,841	LIAO, YEN-CHIH	2,942,763	LYSANDO AG	2,941,426
LANG, CHRISTOPHER JAMES	2,944,219	LIDDY, NATHANIEL ROSS	2,942,433	LYSENKO, ANATOLIY	2,928,642
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LAURET, JEAN-PIERRE	2,943,909	LILIE, JAMES ANDREW	2,943,715	MACDONALD, LORN SCOTT	2,943,985
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LAWRENCE, PAULRAJ	2,943,786	LIM, GYU SIK	2,943,812	MADASU, SRINATH	2,943,538
LE DOCTE, THIERY	2,942,461	LIM, HYUNG KYU	2,944,138	MADASU, SRINATH	2,943,978
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MAYEKAWA MFG. CO., LTD.	2,943,749	LICENSING, LLC	2,943,428	MTAUWEG, SAMER	2,942,455
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MAYER, MARKUS	2,942,436	LICENSING, LLC	2,943,449	MTI, LTD	2,944,136
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MCCARTHY, STEPHEN J.	2,943,612	MILLER, WILLIAM, III	2,944,065	MULLER, THOMAS	2,941,894
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MCCOMAS, CASEY C.	2,943,858	MILLIMAN, HENRY W.	2,942,678	REINHARD	2,943,892
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MCDONOUGH, WILLIAM B.	2,943,567	MIRZA, MAHMOOD	2,943,463	MURATA, TAKASHI	2,942,191
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PAUL HETTICH GMBH & CO.		PRASAD, MOKKAPATI		UNIVERSITAT BONN	2,944,011
KG	2,942,238	UMAMAHESHWAR	2,942,280	RIBER, EZRA	2,943,954
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PAZMINO, JORGE H.	2,942,512	PRAVONGVIENGKHAM,		RIBOMIC INC.	2,943,788
PEABODY, GREGORY G.	2,943,504	KENNII	2,942,551	RIBU, VILLE	2,943,601
PECCIANI, MARCO	2,943,576	PRC-DESOTO		RICHARDSON, GEORGE	
PEDENAUD, PIERRE	2,942,601	INTERNATIONAL, INC.	2,942,174	DAVID	2,943,642
PEDERSEN, DANIEL E.	2,943,619	PRESCHER, HORST	2,944,122	RICHER, CARINE	2,941,696
PEDERSEN, ROBERT	2,936,428	PRESIDENT AND FELLOWS		RICHFEED LLC	2,942,408
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PENNA, CHRIS	2,944,231	PROTHENA BIOSCIENCES		INTERNATIONAL	
PERRY, MICHAEL JOHN	2,944,156	LIMITED	2,942,233	LIMITED	2,943,436
PETEREIT, PETER	2,943,840	PULTRUSION TECHNIQUE		RIO TINTO ALCAN	
PETERS, CHERYL	2,942,171	INC.	2,943,793	INTERNATIONAL	
PETERS, STEVEN R.	2,942,755	PUTTA, SUBBARAYUDU	2,942,239	LIMITED	2,943,440
PETERS, STEVEN R.	2,942,763	PYO, NORMAN	2,942,417	RITTENHOUSE-OLSON, KATE	2,943,681
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PINELLI, DARIO	2,943,908	ALEJANDRO	2,943,679	ROMET, ANTOINE	2,944,120
PINI, ELENA	2,941,486	RAMIREZ PEREZ, JORGE		ROOBEEK, ILJA	2,941,671
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LIFSHITZ, YAEL	2,942,096	SAVIAN, SCOTT	2,943,779	VAN KUIK-ROMEIJN, PETRA	2,942,716
LINKOLA, JANNE P.	2,942,180	SCHAFFER, MICHAEL I.	2,943,923	VISUALSONICS INC.	2,939,460
LOCKHANDE, VISHAL N.	2,941,860	SCHNITZER, MARK J.	2,943,966	WARREN, DANIEL ADAM	2,943,993
LOHR, CHARLES B.	2,942,806	SEARS BRANDS, LLC	2,941,582	WEATHERFORD	
LUMMIS, WESLEY	2,942,310	SELA, GAL	2,942,069	TECHNOLOGY	
MALONE, CURTIS	2,942,806	SHEALS, DEREK	2,943,774	HOLDINGS, LLC	2,942,125
MANOR, YONATAN	2,942,096	SHIBAYAMA, ATSUSHI	2,942,142	WEATHERFORD	
MARSON, DANIEL ANDREW	2,942,125	SHIMIRAK, GERALD L.	2,943,774	TECHNOLOGY	
MCDANIEL, LOREN T.	2,942,806	SHIRTLIFF, MARK E.	2,943,712	HOLDINGS, LLC	2,942,623
MCDERMERT, IAIN		SIDENSE CORP.	2,941,639	WEATHERFORD	
GRIERSON	2,941,678	SIZE, ROBERT J.	2,942,365	TECHNOLOGY	
MCDOWELL, CHRISTOPHER		SMETZER, ROSS	2,942,656	HOLDINGS, LLC	2,943,132
L.	2,943,132	SMITH, IAN C.	2,943,993	WHITE, JAY A.	2,943,032
MCFADYEN, STEPHEN	2,942,069	SMITH, PAUL L.	2,943,132	WONG, CURT	2,943,441
MEDTRONIC XOMED, INC.	2,942,656	SMITH, PETER	2,943,691	WONG, WAYNE S.	2,941,763
MEHI, JAMES I.	2,939,460	SMITH, RODDIE R.	2,943,132	WONG, WAYNE S.	2,941,766
MESSNER, ERIC J.	2,943,032	SPICER, WADE	2,943,136	WONG, WAYNE S.	2,941,770
MICHAL, EUGENE T.	2,942,795	STAGGS, JAMES W.	2,941,763	WONG, WAYNE S.	2,941,772
MICHELIN RECHERCHE ET		STAGGS, JAMES W.	2,941,766	WOOD, MICHAEL	2,942,069
TECHNIQUE S.A.	2,943,691	STAGGS, JAMES W.	2,941,770	WRENN, SUSAN E.	2,941,727
MITSUNARI, TAKASHI	2,942,142	STAGGS, JAMES W.	2,941,772	WU, YUNNAN	2,943,317
MOOR, DAN	2,942,123	STRONG INDUSTRIES, INC.	2,943,136	XIE, TAO	2,943,317
MULLINS, SCOTT	2,943,993	SULLIVAN, DANIEL MARK	2,942,125	YANG, ZUYIN	2,941,727
MUTIKAINEN, JARI	2,943,441	SUNCOR ENERGY INC.	2,942,157	YAO, ROSE	2,943,967
NADEAU, MATTHEW J.	2,942,656	SWENSON, ROLF E.	2,941,860	YUWARAJ, MURUGATHAS	2,942,069
NAGAMATSU, ATSUSHI	2,942,142	SYNAPTIVE MEDICAL		ZADOROZNY, RICHARD	
NARAYAN, SANJIV	2,942,986	(BARBADOS) INC.	2,942,069	KENNETH	2,943,967
NARAYAN, SANJIV	2,942,993	T-MOBILE USA, INC.	2,942,180	ZAN, LEO	2,939,460
NOKIA TECHNOLOGIES OY	2,943,441	T.A.G. MEDICAL DEVICES-		ZENON TECHNOLOGY	
NORTHUP, FRED	2,942,482	AGRICULTURE		PARTNERSHIP	2,942,941
NOSKE, JOE	2,943,132	COOPERATIVE LTD.	2,942,123		
O'CONNOR, MICHAEL	2,942,365	TABASH, SAMIR P.	2,943,032		
OREN, RAN	2,942,123	TALWAR, MOHIT	2,943,967		
PAGETT, JOHN MACKINLEY	2,942,125	THE ARIZONA BOARD OF			
PEETERS, JEFFREY GERARD	2,942,941	REGENTS, A BODY			
PETKOVICH, P. MARTIN	2,943,032	CORPORATE OF THE			
PFIZER INC.	2,943,263	STATE OF ARIZONA			
PHILIP MORRIS PRODUCTS		ACTING FOR AND ON			
S.A.	2,941,727	BEHALF OF NORTHERN			
PICKETT, TIMOTHY		ARIZONA UNIVERSITY	2,943,712		
MICHAEL	2,942,941	THE BOARD OF TRUSTEES OF			
PIRON, CAMERON	2,942,069	THE LELAND STANFORD			
PLATENBURG, GERARD		JUNIOR UNIVERSITY	2,943,966		
JOHANNES	2,942,716	THE REGENTS OF THE			
POLLMAN, MATTHEW J.	2,942,795	UNIVERSITY OF			
POPOV, LEV	2,943,967	CALIFORNIA	2,942,986		
POXTON, PETER D.	2,942,806	THE REGENTS OF THE			
PRASAD, AVVARI KRISHNA	2,943,263	UNIVERSITY OF			
PROVENTIV THERAPEUTICS,		CALIFORNIA	2,942,993		
LLC	2,943,032	THE SPECTRANETICS			
PSYCHEMEDICS		CORPORATION	2,942,795		
CORPORATION	2,943,923	TURLEY, ROCKY A.	2,942,623		
QUIRICO, CHARLES R.	2,941,860	UKRAINETS, MICHAEL			
RAINGLOBES, LLC	2,942,482	WAYNE	2,942,597		
RAKSI, FERENC	2,942,310	UNIVERSITY OF MARYLAND,			
RANEY, ROB	2,941,763	BALTIMORE	2,943,712		
RANEY, ROB	2,941,766	UNIVERSITY OF PITTSBURGH			
RANEY, ROB	2,941,770	- OF THE			
RANEY, ROB	2,941,772	COMMONWEALTH			
RAPPEL, WOUTER-JAN	2,942,986	SYSTEM OF HIGHER			
RAPPEL, WOUTER-JAN	2,942,993	EDUCATION	2,942,128		
RICHMOND, JOSHUA	2,942,069	VAIL, TIMOTHY L.	2,943,712		
ROWE, MISTY DAWN	2,942,796	VAN DEUTEKOM, JUDITH C.			
SAFEACCESS LLC	2,941,777	T.	2,942,716		