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# The Patent

Office Record

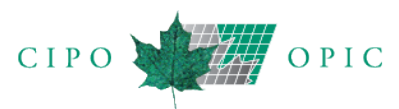
# La Gazette

du Bureau des brevets



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Canada



# THE CANADIAN PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle  
Commissioner of Patents

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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:

2,373,900  
2,585,619  
2,602,749

## 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 :

2,373,900  
2,585,619  
2,602,749

## 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 March 31, 2015

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1799*
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 31 mars 2015

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1799 \$*
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)) \$270

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

\* International fees will be reduced by:

- \$135 for all applications filed using PCT-EASY,
- \$270 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- \$406 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) 270 \$

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

\* Les frais seront réduits de:

- 135 \$ pour toutes les demandes déposées en utilisant PCT-EASY,
- 270 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- 406 \$ 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 8, 2012

**Effective May 15, 2012 this notice replaces 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.

**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 8 mai 2012

**Le présent avis, en vigueur à compter du 15 mai 2012, remplace tous les avis antérieurs 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.

**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
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
3. Industry Canada  
151 Yonge Street, 4th Floor  
Toronto ON M5C 2W7  
Tel.: 416-973-5000
4. Industry Canada  
Canada Place  
9700 Jasper Avenue, Suite 725  
Edmonton AB T5J 4C3  
Tel.: 780-495-4782  
Toll-free: 1 800 461-2646
5. Industry Canada  
Library Square  
300 West Georgia Street, Suite 2000  
Vancouver BC V6B 6E1  
Tel.: 604-666-5000

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

### 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
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
3. Industrie Canada  
151, rue Yonge, 4e étage  
Toronto (Ontario) M5C 2W7  
Tél. : 416-973-5000
4. Industrie Canada  
Canada Place  
9700, avenue Jasper, pièce 725  
Edmonton (Alberta) T5J 4C3  
Tél. : 780-495-4782  
Sans frais : 1-800-461-2646
5. Industrie Canada  
Library Square  
300, rue Georgia Ouest, pièce 2000  
Vancouver (C.-B.) V6B 6E1  
Tél. : 604-666-5000

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, 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.

## Avis

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

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

### 2. Registered Mail Service of Canada Post

For the purposes of subsections 5(4) and 54(3) of the *Patent Rules*, subsection 3(4) of the *Trade-mark Regulations*, subsection 2(4) of the *Copyright Regulations*, subsection 3(4) of the *Industrial Design Regulations* and subsection 3(4) of the *Integrated Circuit Topography Regulations*, the Registered Mail Service of Canada Post is a designated establishment or designated office to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

Correspondence delivered through the Registered Mail Service of Canada Post will be considered to be received on the date stamped on the envelope by Canada Post, only if it is also a day on which CIPO is open for business. If the date stamp on the Registered Mail is a day when CIPO is closed for business, the Registered Mail will be considered to be received on the next day on which CIPO is 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 and applications prepared using the PCT-EASY or PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

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

### 2. Service Courrier recommandé de Postes Canada

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

La correspondance livrée par l'entremise du service Courrier recommandé de Postes Canada sera réputée reçue à la date estampillée sur l'enveloppe par Postes Canada seulement si l'OPIIC est ouvert au public à cette date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIIC.

### 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'OPIIC](#) 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-EASY ou PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

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

## Notices

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 which 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 covering letter to ensure expedient processing. Payment arrangements may be made through CIPO's Finance Branch at the following number: 819-994-2269.

### *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 Trademarks, the Copyright Office or the Registrar of Topographies may be sent electronically via [CIPO's Web site](#).

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'acquittement de frais, il faut clairement indiquer le mode de paiement préféré dans la lettre d'envoi en vue d'assurer un traitement rapide. Pour prendre les dispositions nécessaires, on pourra communiquer avec la Direction des finances de l'OPIC en composant le 819-994-2269.

### *Brevets*

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

### 3.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique sur le [site Web de l'OPIC](#).



### **Patents**

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

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

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

Pursuant to PCT Rule 89*bis*, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called [PCT e-Filing](#).

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a [designated establishment](#).

### **Trade-marks**

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

- [application for the registration of a trade-mark](#);
- [filing of a revised 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](#);
- [statement of opposition](#); and
- [request an extension of time in trade-mark opposition proceedings](#).

### **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 :

- [demande d'enregistrement d'une marque de commerce](#);
- [demande d'enregistrement d'une marque de commerce modifiée](#);
- [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

### *Copyrights*

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 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 copyrights](#).

### *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 prescribed in the Patent Rules still remain.

### *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 oeuvre](#);
- [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. Les exigences relatives à la date de dépôt énoncées à l'article 93 des *Règles sur les brevets* resteront applicables.

## Avis

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: PCT-EASY

Pursuant to PCT Rule 89ter, CIPO, in its role as a receiving Office, accepts the filing of an international application containing the request presented as a print-out prepared using the PCT-EASY features of the PCT-SAFE software made available by the International Bureau together with an electronic medium containing a copy in electronic form of the data contained in the request and of the abstract. For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions.

### 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:

- only on an electronic medium in electronic form in accordance with section 802 of Part 8 of the PCT Administrative Instructions; or
- 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.

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: PCT-EASY

Conformément à la Règle 89ter du PCT, à titre d'office récepteur l'OPIC accepte que le dépôt d'une demande internationale présentée sur support papier et préparée à l'aide des fonctions PCT-EASY du logiciel PCT-SAFE fourni par le Bureau international soit accompagné d'un support électronique contenant une copie sous forme électronique des données figurant dans la demande et l'abrégé. À cette fin, l'office récepteur canadien acceptera tout support électronique indiqué à l'Annexe F des Instructions administratives du PCT.

### 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 :

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

## Notices

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 labelling of the electronic media and the calculation of the international filing fee, refer to Section 7 of the PCT Administrative Instructions.

### Electronic Media accepted by the Patent Office

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

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

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

### Supports électroniques acceptés par le Bureau des brevets

Le Bureau des brevets acceptera des disquettes, 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'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

## Avis

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

### ASCII Format:

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

## **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.

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

### Format TIFF :

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

### Format PDF :

- Compatible avec Adobe Portable Document Format Version 1.4;
- Texte non comprimé, pour faciliter la recherche;
- Texte non chiffré;
- Pas d'objets OLE incorporés;
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

### 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.

## **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.

## Notices

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 ½" 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](#).

## 16. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of November 10, 2015 contains applications open to public inspection from October 25, 2015 to October 31, 2015.

Photographies en format JPEG :

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

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

### 5. Renseignements généraux

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

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

La *Gazette du bureau des brevets* du 10 novembre 2015 contient les demandes disponibles au public pour consultation pour la période du 25 octobre 2015 au 31 octobre 2015.

# Canadian Patents Issued

November 10, 2015

## Brevets canadiens délivrés

10 novembre 2015

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[11] \*2,373,900  
[13] C  
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 40/06 (2012.01)**  
[25] EN  
[54] **GENERATOR LIBRARIES**  
[54] **BIBLIOTHEQUES DE GENERATEURS**  
[72] MERKOULOVITCH, LEONID, CA  
[72] ROSEN, DAN, CA  
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[86] (2373900)  
[87] (2373900)  
[22] 2002-02-28  
[30] US (60/331,732) 2001-11-21

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[11] 2,469,576  
[13] C  
[51] **Int.Cl. A47B 13/00 (2006.01) A47B 3/00 (2006.01) A47B 3/087 (2006.01) A47B 3/091 (2006.01) A47B 13/08 (2006.01) A63B 63/08 (2006.01) F16B 12/24 (2006.01) B29C 49/00 (2006.01)**  
[25] EN  
[54] **HIGH-STRENGTH, LIGHTWEIGHT BLOW-MOLDED PLASTIC STRUCTURES**  
[54] **STRUCTURES DE PLASTIQUE SOUFFLE LEGERES ET HAUTEMENT RESISTANTE**  
[72] STRONG, L. CURTIS, US  
[72] MOWER, BARRY D., US  
[73] LIFETIME PRODUCTS, INC., US  
[85] 2004-06-08  
[86] 2003-04-09 (PCT/US2003/010898)  
[87] (WO2003/101248)  
[30] US (60/371,486) 2002-04-09  
[30] US (10/409,000) 2003-04-08

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[13] C  
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) C12N 5/16 (2006.01) C12N 15/13 (2006.01) G01N 33/577 (2006.01)**  
[25] EN  
[54] **ANTI-.ALPHA.V.BETA.6 ANTIBODIES**  
[54] **ANTICORPS ANTI-.ALPHA.V.BETA.6**  
[72] VIOLETTE, SHELIA M., US  
[72] WEINREB, PAUL H., US  
[72] SIMON, KENNETH J., US  
[72] LEONE, DIANE R., US  
[72] SHEPPARD, DEAN, US  
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[73] BIOGEN MA INC., US  
[85] 2004-09-10  
[86] 2003-03-13 (PCT/US2003/008048)  
[87] (WO2003/100033)  
[30] US (60/364,991) 2002-03-13  
[30] US (60/426,286) 2002-11-13

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[11] 2,493,397  
[13] C  
[51] **Int.Cl. G07G 3/00 (2006.01) B62B 5/04 (2006.01) G08B 13/18 (2006.01)**  
[25] EN  
[54] **IMPROVEMENTS RELATING TO SECURITY AND ELECTRONIC ARTICLE SURVEILLANCE**  
[54] **PERFECTIONNEMENTS CONCERNANT LA SURVEILLANCE D'ARTICLES ELECTRONIQUES ET DE SECURITE**  
[72] HUNT, STEPHEN WILLIAM, GB  
[73] GATEKEEPER SYSTEMS (HK) LIMITED, HK  
[85] 2005-01-11  
[86] 2003-07-16 (PCT/GB2003/003114)  
[87] (WO2004/010394)  
[30] GB (0216835.9) 2002-07-19

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[11] 2,494,409  
[13] C  
[51] **Int.Cl. G07B 17/04 (2006.01) G07B 17/00 (2006.01) G08C 19/00 (2006.01)**  
[25] FR  
[54] **SYSTEM FOR STAMPING MAIL BY MEANS OF SECURE EXTERNAL PRINTING**  
[54] **SYSTEME D'AFFRANCHISSEMENT DE COURRIER A MODE D'IMPRESSION EXTERNE SECURISE**  
[72] AUBERGER, ROMUALD, FR  
[72] HASSE, DAMIEN, FR  
[73] NEOPOST INDUSTRIE, FR  
[86] (2494409)  
[87] (2494409)  
[22] 2005-01-25  
[30] FR (04 00899) 2004-01-30

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[11] 2,498,764  
[13] C  
[51] **Int.Cl. C12P 19/34 (2006.01) C07H 21/04 (2006.01) C12N 9/00 (2006.01) C12Q 1/68 (2006.01)**  
[25] EN  
[54] **HELICASE DEPENDENT AMPLIFICATION OF NUCLEIC ACIDS**  
[54] **AMPLIFICATION DEPENDANT DE L'HELICASE DES ACIDES NUCLEIQUES**  
[72] KONG, HUIMIN, US  
[72] VINCENT, MYRIAM, US  
[72] XU, YAN, US  
[73] NEW ENGLAND BIOLABS, INC., US  
[85] 2005-03-11  
[86] 2003-09-19 (PCT/US2003/029020)  
[87] (WO2004/027025)  
[30] US (60/412,298) 2002-09-20  
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**Canadian Patents Issued  
November 10, 2015**

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[72] KORPIPAA, PANU, FI  
[72] MANTYJARVI, JANI, FI  
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[54] **METHOD FOR THE CO-PRODUCTION OF OLEFINS AND DIESTERS OR DIACIDS THROUGH HOMOMETATHESIS OF UNSATURATED FATS IN NON-AQUEOUS IONIC LIQUIDS**

[54] **PROCEDE DE CO-PRODUCTION D'OLEFINES ET DE DIESTERS OU DE DIACIDES PAR HOMOMETATHESE DE CORPS GRAS INSATURES DANS DES LIQUIDES IONIQUES NON-AQUEUX**

[72] OLIVIER-BOURBIGOU, HELENE, FR

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[54] **COMPOSITIONS ET METHODES MODULANT LA FSH ET LE RECEPTEUR DE LA FSH, INHIBANT LA RESORPTION OSSEUSE OSTEOCLASTIQUE ET LES PERTES OSSEUSES DE L'OSTEOPOROSE**

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[72] SCHLIENGER, NATHALIE, DK  
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[72] PAWLAS, JAN, DK  
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[54] **PROCEDE ET APPAREIL DE  
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[54] **AGENTS THERAPEUTIQUES A BASE D'APTAMERES UTILES DANS LE TRAITEMENT DE TROUBLES LIES AU COMPLEMENT**  
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[72] WILSON, CHARLES, US  
[72] GRATE, DILARA, US  
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[73] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL  
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[72] MARINESCU, IULIANA, FI  
[72] REXHEPI, VLORA, FI  
[72] VAITTINEN, RAMI, FI  
[72] SEBIRE, GUILLAUME, FI  
[72] VAINOLA, KATI, FI  
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[72] SANADA, HIROKAZU, JP  
[72] YADA, TAKAKO, JP  
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[54] **SYSTEME DE CONVERSATION EN LIGNE ET PROCEDE D'UTILISATION D'UN SERVICE DE MESSAGERIE AUDIO**  
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[54] **PTERIDINES CONVENANT COMME INHIBITEURS DE VHC ET PROCEDES DE PREPARATION DE CELLES-CI**  
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE  
[72] SURLERAUX, DOMINIQUE LOUIS NESTOR GHISLAIN, BE  
[72] LIN, TSE-I, BE  
[72] LENZ, OLIVER, BE  
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[54] **COUCHE MINCE A ETAGEMENT DE TYPE B, DISPOSITIF ELECTRONIQUE ET PROCEDE ASSOCIE**  
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[72] CAMPBELL, JOHN ROBERT, US  
[72] MILLS, RYAN CHRISTOPHER, US  
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[72] LATHAM, STEPHEN ANDREW, US  
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[25] EN  
[54] **MIXTURE OF CATECHINS OR RATHER POLYPHENOLS EXTRACTED FROM CHINESE GREEN TEA OR OTHER VEGETABLES WITH CHEMICALLY PREVENTIVE EFFICACY FOR PREVENTION OF PROSTATE CANCER ONSET AND FOREFFICACIOUS TREATMENT OF SYMPTOMATOLOGY OF PROSTATE HYPERTROPHY (BPH)**  
[54] **MELANGE DE CATECHINES OU MIEUX DE POLYPHENOLS EXTRAITS DE THE VERT CHINOIS OU D'AUTRES LEGUMES PRESENTANT UN EFFET PREVENTIF SUR LE PLAN CHIMIQUE POUR LA PREVENTION DE L'APPARITION DU CANCER DE LA PROSTATE ET POUR UN TRAITEMENT EFFICACE DE LA SYMPTOMATOLOGIE DE L'HYPERTROPHIE DE LA PROSTATE (BPH)**  
[72] BETTUZZI, SAVERIO, IT  
[72] CORTI, ARNALDO, IT  
[72] CORVETTA, SERGIO, IT  
[73] GENPROFILER S.R.L., IT  
[85] 2007-12-13  
[86] 2005-07-21 (PCT/IB2005/002107)  
[87] (WO2006/013420)  
[30] IT (BZ2004A000037) 2004-07-27  
[30] IT (BZ2005A000004) 2005-02-16

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[11] **2,613,601**  
[13] C

[51] **Int.Cl. F01D 9/02 (2006.01) F01D 5/14 (2006.01) F02C 9/16 (2006.01)**  
[25] EN  
[54] **A TURBINE ASSEMBLY FOR A GAS TURBINE ENGINE AND METHOD OF MANUFACTURING THE SAME**  
[54] **ENSEMBLE A TURBINE A GAZ ET METHODE DE FABRICATION**  
[72] BURTON, SCOTT ANDREW, US  
[72] PRAKASH, CHANDER, US  
[72] MACHNAIM, JOSEPH, IN  
[72] CHERRY, DAVID GLENN, US  
[72] BEACOCK, ROBERT JOHN, US  
[72] LEE, CHING-PANG, US  
[72] CARSON, SCOTT MICHAEL, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2613601)  
[87] (2613601)  
[22] 2007-12-06  
[30] US (11/615,514) 2006-12-22

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[11] **2,614,434**  
[13] C

[51] **Int.Cl. F01D 21/00 (2006.01) F01D 17/08 (2006.01)**  
[25] EN  
[54] **APPARATUS AND SYSTEM HAVING AN OVER TEMPERATURE FUSE IN A SIGNAL TUBE FOR A GAS TURBINE ENGINE**  
[54] **DISPOSITIF ET SYSTEME MUNIS D'UN FUSIBLE DE SURCHAUFFE DANS UNE CANALISATION DE SIGNAL POUR TURBINES A GAZ**  
[72] SMITH, DANIEL DREW, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2614434)  
[87] (2614434)  
[22] 2007-12-13  
[30] US (11/646,026) 2006-12-27

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[11] **2,615,691**  
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[51] **Int.Cl. C07D 209/42 (2006.01) A61K 31/404 (2006.01) A61P 9/00 (2006.01) C07K 1/00 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF CRYSTALLINE PERINDOPRIL**

[54] **PROCEDE DE PREPARATION DE PERINDOPRIL CRISTALLIN**

[72] JENKO, BRANKO, SI

[72] COPAR, ANTON, SI

[73] LEK PHARMACEUTICALS D.D., SI

[85] 2008-01-17

[86] 2006-07-24 (PCT/EP2006/007258)

[87] (WO2007/017087)

[30] SI (P-200500214) 2005-07-25

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[11] **2,617,989**  
[13] C

[51] **Int.Cl. A61M 16/08 (2006.01)**

[25] EN

[54] **SELF-SEALING T-PIECE AND VALVED T-PIECE**

[54] **PIECE EN T AUTO-ETANCHE ET PIECE EN T POURVUE D'UNE VALVE**

[72] FINK, JAMES B., US

[72] O'SULLIVAN, GAVAN, IE

[72] DUNNE, PAUL, IE

[72] MORAN, DECLAN, IE

[72] POWER, JOHN, IE

[72] SMITH, NIALL, IE

[73] NEKTAR THERAPEUTICS, US

[85] 2008-02-05

[86] 2006-08-21 (PCT/US2006/032677)

[87] (WO2007/024812)

[30] US (60/710,932) 2005-08-23

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[11] **2,619,261**  
[13] C

[51] **Int.Cl. F24D 13/02 (2006.01) H05B 3/56 (2006.01)**

[25] EN

[54] **SURFACE HEATING SYSTEM AND METHOD USING HEATING CABLES AND A SINGLE FEED COLD LEAD WIRE**

[54] **SYSTEME DE CHAUFFAGE DE SURFACE ET METHODE UTILISANT DES CABLES CHAUFFANTS ET UN SEUL FIL FROID D'ALIMENTATION**

[72] CHARRON, PHILIPPE, CA

[73] CHARRON, PHILIPPE, CA

[86] (2619261)

[87] (2619261)

[22] 2008-02-01

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[11] **2,620,582**  
[13] C

[51] **Int.Cl. C12N 15/11 (2006.01) A61K 31/711 (2006.01)**

[25] EN

[54] **METHODS OF ALTERING AN IMMUNE RESPONSE INDUCED BY CPG OLIGODEOXYNUCLEOTIDES**

[54] **PROCEDES D'ALTERATION D'UNE REPOSE IMMUNE INDUITE PAR DES CPG OLIGODEOXYNUCLEOTIDES**

[72] KLINMAN, DENNIS M., US

[72] GURSEL, MAYDA, TR

[72] GURSEL, IHSAN, TR

[73] THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, US

[85] 2008-02-28

[86] 2006-08-28 (PCT/US2006/033774)

[87] (WO2007/027718)

[30] US (60/713,547) 2005-08-31

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[11] **2,621,984**  
[13] C

[51] **Int.Cl. F24C 7/06 (2006.01) F24C 7/04 (2006.01)**

[25] EN

[54] **COOKING APPLIANCE HAVING A BROILING ELEMENT WITH LOOPS OF NON-UNIFORM LENGTH**

[54] **APPAREIL DE CUISSON AVEC ELEMENT A GRILLER EN BOUCLES DE LONGUEUR NON UNIFORME**

[72] SHERBERT, KEVIN, US

[73] BSH HOME APPLIANCES CORPORATION, US

[86] (2621984)

[87] (2621984)

[22] 2008-01-29

[30] US (11/703,560) 2007-02-06

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[11] **2,623,090**  
[13] C

[51] **Int.Cl. C07H 19/207 (2006.01) B01L 3/00 (2006.01) C07H 21/00 (2006.01) C07H 21/04 (2006.01) C12N 15/11 (2006.01)**

[25] EN

[54] **OLIGONUCLEOTIDE ANALOGUES INCORPORATING 5-AZA-CYTOSINE THEREIN**

[54] **ANALOGUES D'OLIGONUCLEOTIDES INCORPORANT UNE 5-AZACYTOSINE DANS CEUX-CI**

[72] PHIASIVONGSA, PASIT, US

[72] REDKAR, SANJEEV, US

[73] ASTEX PHARMACEUTICALS, INC., US

[85] 2008-03-18

[86] 2006-09-25 (PCT/US2006/037313)

[87] (WO2007/041071)

[30] US (11/241,799) 2005-09-29

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[11] **2,626,191**  
[13] C

[51] **Int.Cl. A61B 17/068 (2006.01)**

[25] EN

[54] **ANVIL-MOUNTED DISSECTING TIP FOR SURGICAL STAPLING DEVICE**

[54] **POINTE DE DISSECTION MONTEE SUR ENCLUME POUR DISPOSITIF D'AGRAFAGE CHIRURGICAL**

[72] DEMMY, TODD, US

[72] OLSON, LEE ANN, US

[73] TYCO HEALTHCARE GROUP LP, US

[86] (2626191)

[87] (2626191)

[22] 2008-03-18

[30] US (11/729,686) 2007-03-29

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[11] **2,626,455**  
[13] C

[51] **Int.Cl. H04L 12/66 (2006.01) H04M 1/20 (2006.01) H04M 7/00 (2006.01) H04M 7/12 (2006.01)**  
[25] EN  
[54] **DYNAMIC CALL CHARACTERISTIC CONTROL ON A PER CALL BASIS**  
[54] **COMMANDE DYNAMIQUE DE CARACTERISTIQUE D'APPEL SUR UNE BASE PAR APPEL**  
[72] MAES, STEPHANE H., US  
[73] ORACLE INTERNATIONAL CORPORATION, US  
[85] 2008-04-17  
[86] 2006-03-07 (PCT/US2006/008219)  
[87] (WO2007/053174)  
[30] US (11/264,787) 2005-10-31

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[11] **2,629,686**  
[13] C

[51] **Int.Cl. F24H 9/20 (2006.01) F24H 1/10 (2006.01) F24H 3/06 (2006.01)**  
[25] EN  
[54] **METHODS AND APPARATUS FOR HEATING AIR WITH HOT WATER**  
[54] **PROCEDES ET APPAREILLAGE DE CHAUFFAGE DE L'AIR AVEC DE L'EAU CHAUDE**  
[72] YORK, JAMES, US  
[72] ALLEN, HUGH L., US  
[73] RINNAI AMERICA CORPORATION, US  
[86] (2629686)  
[87] (2629686)  
[22] 2008-04-24  
[30] US (11/789,219) 2007-04-24

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[11] **2,629,688**  
[13] C

[51] **Int.Cl. G08G 5/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR REAL-TIME CONFLICT-CHECKED, OPERATIONALLY PREFERRED FLIGHT TRAJECTORY REVISION RECOMMENDATIONS**  
[54] **SYSTEME ET METHODE DE CONTROLE DES CONFLITS DE VOL EN TEMPS REEL, DE SELECTION DE LA TRAJECTOIRE OPERATIONNELLE PRIVILEGEE ET DE RECOMMANDATION DE REVISIONS**  
[72] LEWIS, MICHAEL S., US  
[72] HOLLAND, REZA T., US  
[73] THE BOEING COMPANY, US  
[86] (2629688)  
[87] (2629688)  
[22] 2008-04-21  
[30] US (11/749,079) 2007-05-15

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[11] **2,629,789**  
[13] C

[51] **Int.Cl. G01N 27/90 (2006.01)**  
[25] FR  
[54] **METHOD AND INSTALLATION FOR EDDY CURRENT NON-DESTRUCTIVE TESTING, WITH AUTOMATIC CALIBRATION**  
[54] **PROCEDE ET INSTALLATION DE CONTROLE NON DESTRUCTIF PAR COURANTS DE FOUCAULT, A ETALONNAGE AUTOMATIQUE**  
[72] BOUSQUET, SADIA, FR  
[72] CABANIS, PATRICK, FR  
[72] RAVIZE, LUC, FR  
[72] ROBIN, JOSE CLAUDE, FR  
[73] SNECMA, FR  
[86] (2629789)  
[87] (2629789)  
[22] 2008-04-24  
[30] FR (0754761) 2007-04-27

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[11] **2,630,951**  
[13] C

[51] **Int.Cl. F01D 5/14 (2006.01) F01D 5/28 (2006.01)**  
[25] EN  
[54] **AIRFOIL AND METHOD FOR PROTECTING AIRFOIL LEADING EDGE**  
[54] **SURFACE PORTANTE ET METHODE DE PROTECTION DU BORD D'ATTAQUE DE LA SURFACE PORTANTE**  
[72] SCHILLING, JAN CHRISTOPHER, US  
[72] SCHNEIDER, MICHAEL HARVEY, US  
[72] BAUR, ROBERT GEORGE, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2630951)  
[87] (2630951)  
[22] 2008-05-08  
[30] US (11/781,485) 2007-07-23

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[11] **2,635,150**  
[13] C

[51] **Int.Cl. C07F 5/04 (2006.01) C08G 73/02 (2006.01) C10M 137/00 (2006.01) C10M 139/00 (2006.01) C10M 141/12 (2006.01)**  
[25] EN  
[54] **BORON-CONTAINING LUBRICATING OILS HAVING IMPROVED FRICTION STABILITY**  
[54] **HUILES LUBRIFIANTES CONTENANT DU BORE ET PRESENTANT UNE STABILITE A LA FRICTION AMELIORE**  
[72] WATTS, RAYMOND F., US  
[72] NOLES, JOE R., JR., US  
[72] GORDA, KEITH R., US  
[72] COGEN, KERRY L., US  
[73] INFINEUM INTERNATIONAL LIMITED, GB  
[86] (2635150)  
[87] (2635150)  
[22] 2008-06-17  
[30] US (11/770,941) 2007-06-29

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[11] **2,635,588**  
[13] C

[51] **Int.Cl. C07K 16/40 (2006.01) A61K 39/395 (2006.01) A61K 47/48 (2006.01) A61K 49/00 (2006.01) A61K 51/10 (2006.01) C12N 9/50 (2006.01) G01N 33/573 (2006.01)**

[25] EN

[54] **METALLOPROTEINASE BINDING PROTEINS**

[54] **PROTEINES DE LIAISON A LA METALLOPROTEINASE**

[72] DEVY, LAETITIA, BE

[72] PIETERS, HENK, NL

[72] LADNER, ROBERT C., US

[72] HOET, RENE, NL

[72] DRANSFIELD, DANIEL T., US

[72] WOOD, CLIVE R., US

[72] HENDERIKX, MARIA, BE

[73] DYAX CORP., US

[85] 2008-06-26

[86] 2006-12-29 (PCT/US2006/049566)

[87] (WO2007/079218)

[30] US (60/755,376) 2005-12-30

[30] US (60/805,567) 2006-06-22

[30] US (60/870,566) 2006-12-18

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[11] **2,637,486**  
[13] C

[51] **Int.Cl. G01N 21/15 (2006.01) G01N 33/18 (2006.01)**

[25] EN

[54] **WASTE WATER IMMERSION PROBE**

[54] **SONDE IMMERGEE POUR EAUX USEES**

[72] BATTEFELD, MANFRED, DE

[72] JONAK, ANDREAS, DE

[72] HEIDEMANN, LOTHAR, DE

[72] LEYER, AXEL, DE

[72] SCHUSTER, MICHAEL, DE

[73] HACH LANGE GMBH, DE

[85] 2008-07-17

[86] 2007-01-16 (PCT/EP2007/050417)

[87] (WO2007/090717)

[30] EP (06101329.8) 2006-02-06

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[11] **2,638,485**  
[13] C

[51] **Int.Cl. G05F 1/46 (2006.01) G05F 1/575 (2006.01) H02M 3/00 (2006.01) H05B 33/08 (2006.01)**

[25] EN

[54] **CONSTANT CURRENT DRIVER CIRCUIT WITH VOLTAGE COMPENSATED CURRENT SENSE MIRROR**

[54] **CIRCUIT D'ATTAQUE A COURANT CONSTANT AVEC MIROIR DE COURANT A COMPENSATION DE TENSION**

[72] CROSS, JOHN, US

[73] OSRAM SYLVANIA INC., US

[86] (2638485)

[87] (2638485)

[22] 2008-08-01

[30] US (11/862,570) 2007-09-27

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[11] **2,638,866**  
[13] C

[51] **Int.Cl. C07K 14/47 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **PEPTIDE BASED INHIBITION OF CAPCNA PROTEIN-PROTEIN INTERACTIONS IN CANCER**

[54] **INHIBITION A BASE DE PEPTIDE D'UNE INTERACTION DE CAPCNA DANS UN CANCER**

[72] HICKEY, ROBERT J., US

[72] MALKAS, LINDA H., US

[73] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US

[85] 2008-08-15

[86] 2007-02-16 (PCT/US2007/062335)

[87] (WO2007/098415)

[30] US (60/743,313) 2006-02-17

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[11] **2,639,139**  
[13] C

[51] **Int.Cl. A61B 17/064 (2006.01) A61B 17/068 (2006.01)**

[25] EN

[54] **SURGICAL STAPLE WITH ADJUSTABLE WIDTH BACKSPAN**

[54] **AGRAFE CHIRURGICALE AVEC DOS A LARGEUR REGLABLE**

[72] HOLSTEN, HENRY E., US

[72] VIOLA, FRANK J., US

[73] TYCO HEALTHCARE GROUP LP, US

[86] (2639139)

[87] (2639139)

[22] 2008-08-26

[30] US (60/966,619) 2007-08-29

[30] US (12/186,250) 2008-08-05

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[11] **2,639,209**  
[13] C

[51] **Int.Cl. F02C 6/04 (2006.01) F02C 7/32 (2006.01) F02G 1/043 (2006.01)**

[25] FR

[54] **VENTILATION AND PRESSURIZATION OF COMPONENTS IN A TURBOMACHINE**

[54] **VENTILATION ET PRESSURISATION DE COMPOSANTS DANS UNE TURBOMACHINE**

[72] BEHAGHEL, LAURENT DONATIEN, FR

[72] COAT, PASCAL, FR

[72] PIERROT, ARNAUD JEAN-MARIE, FR

[72] ROUSSELIN, STEPHANE, FR

[73] SNECMA, FR

[86] (2639209)

[87] (2639209)

[22] 2008-08-26

[30] FR (07/06071) 2007-08-30

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[11] **2,639,282**  
[13] C

[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/068 (2006.01) A61B 17/94 (2006.01)**

[25] EN

[54] **ARTICULATING JOINT FOR SURGICAL INSTRUMENTS**

[54] **ARTICULATEUR POUR INSTRUMENTS CHIRURGICAUX**

[72] VIOLA, FRANK J., US

[73] TYCO HEALTHCARE GROUP LP, US

[86] (2639282)

[87] (2639282)

[22] 2008-09-03

[30] US (11/900,485) 2007-09-11

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[11] **2,639,704**  
[13] C

[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/072 (2006.01) A61B 17/32 (2006.01)**

[25] EN

[54] **MATERIALS DELIVERY SYSTEM FOR STAPLING DEVICE**

[54] **DISTRIBUTEUR DE MATIERES POUR AGRAFEUSE**

[72] VIOLA, FRANK J., US

[73] TYCO HEALTHCARE GROUP LP, US

[86] (2639704)

[87] (2639704)

[22] 2008-09-22

[30] US (60/995,024) 2007-09-24

[30] US (12/203,261) 2008-09-03

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[11] **2,639,752**  
[13] C

[51] **Int.Cl. B60T 15/36 (2006.01) B60T 17/04 (2006.01) B61H 13/00 (2006.01) B61H 13/34 (2006.01)**

[25] EN

[54] **BRAKE PIPE VENT VALVE FOR LOCOMOTIVE BRAKE SYSTEM**

[54] **VALVE D'ECHAPPEMENT DE CONDUITE DE FREIN POUR SYSTEME DE FREINAGE DE LOCOMOTIVE**

[72] REYNOLDS, JOHN M., US

[72] MARGESON, SCOTT, US

[72] CALL, DERICK, US

[72] HUBER, HOWARD E., JR., US

[72] NEWTON, STEVEN R., US

[73] NEW YORK AIR BRAKE CORPORATION, US

[86] (2639752)

[87] (2639752)

[22] 2008-09-23

[30] US (12/046,075) 2008-03-11

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[11] **2,639,774**  
[13] C

[51] **Int.Cl. F02K 7/04 (2006.01) F02K 7/20 (2006.01)**

[25] EN

[54] **EJECTOR SYSTEM FOR ENGINE**

[54] **CONFIGURATIONS DE FOYERS**

[72] LAFOREST, LUC, CA

[72] COLLINS, DENNIS VIVIAN, CA

[73] ATLANTIS RESEARCH LABS, CA

[86] (2639774)

[87] (2639774)

[22] 2006-06-08

[62] 2,583,466

[30] US (60/695,888) 2005-07-05

[30] CA (2,512,937) 2005-07-28

[30] US (60/706,006) 2005-08-08

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[11] **2,643,240**  
[13] C

[51] **Int.Cl. B41F 31/00 (2006.01) B41F 3/81 (2006.01) B41F 7/30 (2006.01) B41F 13/46 (2006.01) B41F 13/48 (2006.01) B41F 31/18 (2006.01) B41F 35/00 (2006.01) B41L 19/14 (2006.01) B41L 27/00 (2006.01) B41N 3/08 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR HIGH SPEED VARIABLE PRINTING**

[54] **SYSTEMES ET PROCEDES D'IMPRESSON VARIABLE HAUTE VITESSE**

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

[72] DEJOSEPH, ANTHONY B., US

[72] HOOK, KEVIN J., US

[72] HAAN, HENK, US

[72] MOSCATO, ANTHONY V., US

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

[85] 2008-08-20

[86] 2007-02-21 (PCT/US2007/004441)

[87] (WO2007/098177)

[30] US (60/775,511) 2006-02-21

[30] US (60/819,301) 2006-07-07

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[11] **2,643,287**  
[13] C

[51] **Int.Cl. B41F 31/00 (2006.01) B41F 3/81 (2006.01) B41F 7/30 (2006.01) B41F 13/46 (2006.01) B41F 13/48 (2006.01) B41F 31/18 (2006.01) B41F 35/00 (2006.01) B41L 19/14 (2006.01) B41L 27/00 (2006.01) B41N 3/08 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR HIGH SPEED VARIABLE PRINTING**

[54] **SYSTEMES ET PROCEDES D'IMPRESSON VARIABLE HAUTE VITESSE**

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

[72] DEJOSEPH, ANTHONY B., US

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

[85] 2008-08-21

[86] 2007-02-21 (PCT/US2007/004437)

[87] (WO2007/098174)

[30] US (60/775,511) 2006-02-21

[30] US (60/819,301) 2006-07-07

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[11] **2,645,616**  
[13] C

[51] **Int.Cl. A01K 39/012 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR FEEDING CHICKS DURING THE HATCHING PROCESS**

[54] **APPAREIL ET PROCEDE D'ALIMENTATION DES POUSSINS PENDANT L'ECLOSION**

[72] HENDEL, ELIEZER, IL

[73] HATCHTECH GROUP B.V., NL

[85] 2008-09-08

[86] 2007-03-22 (PCT/IL2007/000372)

[87] (WO2007/110861)

[30] US (60/786,733) 2006-03-29



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[11] **2,645,635**  
[13] C

[51] **Int.Cl. C11D 3/12 (2006.01) C11D 7/20 (2006.01)**  
[25] EN  
[54] **CLEANING METHOD USING NANOPARTICLES**  
[54] **PROCEDE DE NETTOYAGE UTILISANT DES NANOPARTICULES**  
[72] MASSEY BROOKER, ANJU DEEPALI, GB  
[72] SOMERVILLE ROBERTS, NIGEL PATRICK, GB  
[72] YORK, DAVID WILLIAM, GB  
[72] DING, YULONG, GB  
[72] WASAN, DARSH T., US  
[72] NIKOLOV, ALEX D., US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[73] ILLINOIS INSTITUTE OF TECHNOLOGY, US  
[85] 2008-09-11  
[86] 2007-03-20 (PCT/US2007/006832)  
[87] (WO2007/109239)  
[30] EP (06111502.8) 2006-03-21

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[11] **2,646,409**  
[13] C

[51] **Int.Cl. C07D 451/02 (2006.01) A61K 31/46 (2006.01) A61P 1/10 (2006.01)**  
[25] EN  
[54] **8-AZABICYCLO[3.2.1]OCTANE COMPOUNDS AS MU OPIOID RECEPTOR ANTAGONISTS**  
[54] **COMPOSES DE 8-AZABICYCLO[3.2.1]OCTANE EN TANT QU'ANTAGONISTES DU RECEPTEUR OPIOIDE MU**  
[72] LONG, DANIEL, US  
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[54] **PROCEDURE AND DEVICE OF EDDY CURRENT IMAGING DEVICE FOR THE DETECTION AND THE CHARACTERISATION OF DEFECTS HIDDEN IN COMPLEX STRUCTURES**  
[54] **PROCEDE ET DISPOSITIF D'IMAGERIE A COURANT DE FOUCAULT POUR LA DETECTION ET LA CARACTERISATION DE DEFECTS ENFOUIS DANS DES STRUCTURES COMPLEXES**  
[72] JOUBERT, PIERRE-YVES, FR  
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[72] ALFANO, NICHOLAS, GB  
[72] BAKKER, JOHN-LUC, US  
[72] GEORGE, RICHARD, CA  
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[54] **CRAQUAGE AUXILIAIRE DE NAPHTHES PARAFFINIQUES, CONCURREMMENT AVEC LES OPERATIONS DE CRAQUAGE CATALYTIQUE FLUIDE**  
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[54] **DEVICE, SYSTEM AND METHOD OF DETECTING AND LOCATING MALFUNCTIONS IN A HYDRAULIC STRUCTURE, AND A HYDRAULIC STRUCTURE EQUIPPED WITH SAID DEVICE**  
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE DETECTION ET DE LOCALISATION DE DYSFONCTIONNEMENT DANS UN OUVRAGE HYDRAULIQUE, AINSI QU'UN OUVRAGE HYDRAULIQUE EQUIPE DE CE DISPOSITIF**  
[72] ARTIERES, OLIVIER, FR  
[72] GUIDOUX, CYRIL, FR  
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[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
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[73] DRESSER-RAND COMPANY, US  
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[72] RAY, PARTHA, US  
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[72] STEINBRENNER, ULRICH, DE  
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[54] **PROCEDE POUR LA DETERMINATION DE LA STABILITE OXYDANTE D'UN FLUIDE LUBRIFIANT**  
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[54] **APPAREIL ORTHOPEDIQUE**  
[72] ALBRECHT-LAATSCH, ERIK, DE  
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[54] **AGENT POUR REDUIRE LA GRAISSE VISCERALE**  
[72] KAWAKAMI, HIROSHI, JP  
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[72] MORTON-FINGER, JUERGEN, DE  
[73] REIFENHAEUSER GMBH & CO. KG  
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[25] EN  
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[54] **FORMES SOLIDES COMPRENANT LE COMPOSE O-DESMETHYLVENLAFAXINE ET LEURS UTILISATIONS**  
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[72] WILKINSON, HAROLD S., US  
[72] SNOONIAN, JOHN, US  
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[54] **PORT INTEGRATED WITHIN VALVE STEM**  
[54] **ORIFICE INTEGRE DANS UNE TIGE DE SOUPE**  
[72] HEGBERG, MARK C., US  
[72] SHAFIQUE, AMJED, US  
[72] BURANATUM, PRASERT, US  
[72] BUNLUAPHOB, CHALARD, US  
[73] XYLEM IP HOLDINGS LLC, US  
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[54] **APPLICATEUR D'AGRAFES CHIRURGICALES**  
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[72] WHITFIELD, KENNETH H., US  
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[54] **MOTOR OPERATOR DE-COUPPLING SYSTEM SENSING CAMSHAFT POSITION**  
[54] **SYSTEME DE DESOLIDARISATION D'ACTIONNEUR DE MOTEUR DETECTANT LA POSITION DE L'ARBRE A CAMES**  
[72] JONES, WILLIAM J., US  
[72] RODGERS, CRAIG A., US  
[72] BOGDON, ERIK R., US  
[72] RAKUS, PAUL R., US  
[72] SMELTZER, JAMES M., US  
[73] EATON CORPORATION, US  
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[25] EN  
[54] **SECTIONAL METER SHUT-OFF AND AGRICULTURAL IMPLEMENT HAVING SECTIONAL METER SHUT-OFF**  
[54] **DISPOSITIF D'ARRET DE MESUREUR EN SECTIONS ET INSTRUMENT AGRICOLE COMPORTANT LEDIT DISPOSITIF**  
[72] DEAN, BRIAN F., CA  
[72] BEAUJOT, PATRICK M., CA  
[72] DUKE, DAVID R., CA  
[72] WILTON, BRUCE W., CA  
[72] MELANSON, BARRY K., CA  
[72] VARJASSY, JUSTIN C., CA  
[72] HEPTING, WARD J., CA  
[72] HUNDEBY, DAVE, CA  
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[54] **PRE-ASSEMBLED FLOW CONTROL STRUCTURE AND RELATED MEDIA FILTRATION SYSTEM**

[54] **STRUCTURE PREASSEMBLEE PERMETTANT LA REGULATION DE L'ECOULEMENT ET SYSTEME DE FILTRATION DE FILTRATION D'ELEMENTS ASSOCIE**

[72] HERSEY, CHRISTOPHER S., US  
[72] BYRNE, GREGORY W., JR., US  
[72] ABERLE, DANIEL W., US  
[73] CONTECH ENGINEERED SOLUTIONS LLC, US

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[54] **STORMWATER FILTER ASSEMBLY**

[54] **ENSEMBLE DE FILTRE D'EAU DE PLUIE**

[72] HERSEY, CHRISTOPHER S., US  
[72] COBB, DANIEL P., US  
[72] STILLER, MATTHEW L., US  
[72] BYRNE, GREGORY W., JR., US  
[72] WEILER, CHRISTOPHER W., US  
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[54] **METHOD AND DEVICE FOR CHARACTERISING BIOLOGICAL TISSUE**

[54] **PROCEDE ET SYSTEME POUR CARACTERISER UN TISSU BIOLOGIQUE**

[72] CEROVIC, ZORAN, FR  
[72] MOISE, NICOLAE, FR  
[72] GOULAS, YVES, FR  
[72] AYRAL, JEAN-LUC, FR  
[73] FORCE-A, FR  
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR  
[73] UNIVERSITE PARIS-SUD, FR

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[54] **DISPOSITIF DE VANNE DE COMMANDE DE CHARGE HYDRAULIQUE**

[72] ANDERSSON, BO, SE  
[73] NORDHYDRAULIC AB, SE

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[54] **COMPOSITIONS HERBICIDES**

[72] NETTLETON-HAMMOND, JOHN HENRY, GB  
[72] WILLIAMS, KIRSTY JANE, GB  
[72] BROQUET, JEAN-CHARLES DANIEL NICOLAS, GB  
[73] SYNGENTA PARTICIPATIONS AG, CH

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[54] **DEVICE AND METHOD FOR OBTAINING NON-FERROUS METALS**

[54] **DISPOSITIF ET PROCEDE POUR OBTENIR DES METAUX NON FERREUX**

[72] JETTEN, PETER C., NL  
[72] DE WINTER, ERNST JAN B., NL  
[73] PYROTEK INC., US

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[54] **NANOPARTICULES D'ACIDE NUCLEIQUE ET LEURS UTILISATIONS**

[72] EDELSON, JONATHAN, US  
[72] KOTYLA, TIMOTHY, US  
[72] ZHANG, BOKE, US  
[73] ANTERIOS, INC., US

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[54] **DISPOSITIF AUTO-AGRIPPANT A CROCHETS A GRANDE SOUPLESE**  
[72] DUCAUCHUIS, JEAN-PIERRE, FR  
[72] MARCHE, THIERRY, FR  
[73] APLIX, FR  
[85] 2009-12-03  
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[54] **SYSTEME DE PROPULSION A PEDALES**  
[72] BANKS, THOMAS N., CA  
[72] GATER, DAVID R., CA  
[73] BANKS, THOMAS N., CA  
[73] GATER, DAVID R., CA  
[86] (2689709)  
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[54] **CASE DE TRAIN D'ATTERRISSAGE A ENCOMBREMENT REDUIT**  
[72] GUERING, BERNARD, FR  
[72] SAINT MARC, LAURENT, FR  
[73] AIRBUS OPERATIONS, FR  
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[54] **LATHE WITH BRACKET MOUNTED BANJO**  
[54] **TOUR AVEC BANJO MONTE SUR SUPPORT**  
[72] CLAY, TYMEN, CA  
[73] CLAY, TYMEN, CA  
[85] 2009-12-21  
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[54] **OUTIL DESTINE AU NETTOYAGE DE SURFACES**  
[72] DONDI, ANDREA, IT  
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[73] NUOVA F.LLI DONDI S.R.L., IT  
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[54] **SYNTHETIC RESIN DOUBLE CONTAINER MOLDED BY DIRECT BLOW MOLDING PROCESS**  
[54] **CONTENANT DOUBLE EN RESINE SYNTHETIQUE MOULE SELON UN PROCEDE DE MOULAGE PAR SOUFFLAGE DIRECT**  
[72] FURUSAWA, MITSUO, JP  
[73] YOSHINO KOGYOSYO CO., LTD., JP  
[85] 2009-12-29  
[86] 2008-06-19 (PCT/JP2008/061189)  
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[54] **CARDBOARD PACKAGING HAVING AN INNER FOIL CONTAINER, PREFABRICATED CARTON UNIT FOR THE PRODUCTION THEREOF, AND METHOD FOR PRODUCING SUCH A PACKAGING CARTON**  
[54] **EMBALLAGES EN CARTON DOTES D'UN CONTENANT INTERIEUR POUR FEUILLES, UNITE CARTON PREFABRIQUEE POUR LEUR PRODUCTION ET PROCEDE DE PRODUCTION DE TELS EMBALLAGES EN CARTON**  
[72] RAUPACH, ROLAND, DE  
[72] STRAUB-JUBB, BETTINA, DE  
[72] RITZ, THOMAS, DE  
[73] MERCK PATENT GMBH, DE  
[85] 2010-01-11  
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[54] **REACTOR FOR PREPARING HYDROGEN CYANIDE BY THE ANDRUSSOW PROCESS**  
[54] **REACTEUR DE PRODUCTION D'ACIDE CYANHYDRIQUE PAR LE PROCEDE ANDRUSSOW**  
[72] SCHAEFER, THOMAS, DE  
[72] WEBER, ROBERT, DE  
[72] GROPP, UDO, DE  
[72] MERTZ, THOMAS, DE  
[73] EVONIK ROEHM GMBH, DE  
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[54] **CONTENANT DE STOCKAGE FLEXIBLE**  
[72] SMITH, STEVE, US  
[72] BEINE, JOACHIM, US  
[72] SPERKO, BILL, US  
[73] B. BRAUN MEDICAL INC., US  
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[54] **AUTOMATIC SWIMMING POOL CLEANER DISCS AND ASSOCIATED COMPONENTS**  
[54] **DISQUES NETTOYEURS AUTOMATIQUES DE PISCINE ET COMPOSANTS ASSOCIES**  
[72] VAN DER MEIJDEN, HENDRIKUS JOHANNES, ZA  
[72] MOORE, MICHAEL EDWARDS, ZA  
[73] ZODIAC POOL SYSTEMS, INC., US  
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[54] **HYDROCARBON CONVERSION UNIT INCLUDING A REACTION ZONE RECEIVING TRANSFERRED CATALYST**  
[54] **UNITE DE CONVERSION D'HYDROCARBURE COMPRENANT UNE ZONE DE REACTION RECEVANT UN CATALYSEUR TRANSFERE**  
[72] FECTEAU, DAVID J., US  
[72] SECHRIST, PAUL A., US  
[72] NAUNHEIMER, CHRISTOPHER, US  
[73] UOP LLC, US  
[85] 2010-01-29  
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[54] **SYSTEM FOR INTELLIGENT CONTEXT-BASED ADJUSTMENTS OF COORDINATION AND COMMUNICATION BETWEEN MULTIPLE MOBILE HOSTS ENGAGING IN SERVICES**  
[54] **SYSTEME POUR DES AJUSTEMENTS INTELLIGENTS, REPOSANT SUR DES CONTEXTES, DE COORDINATION ET DE COMMUNICATION ENTRE PLUSIEURS HOTES MOBILES**  
[72] FALCHUK, BENJAMIN, US  
[72] LOEB, SHOSHANA K., US  
[73] TELCORDIA TECHNOLOGIES, INC., US  
[85] 2010-01-29  
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[25] EN  
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[54] **EXTRACTION DE MINERAI A FRAGMENTATION PAR EXPLOSION ET THERMIQUE COMBINEE**  
[72] BRISEBOIS, DONALD, CA  
[73] ROCMEC INTERNATIONAL INC., CA  
[85] 2010-02-01  
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[54] **PROCEDE DE STABILISATION DE LA PHENYLEPHRINE**  
[72] HUANG, HUGH, US  
[72] ZESZOTARSKI, JONATHAN, US  
[72] BEAN, ANTHONY, US  
[72] NICHOLS, WILLIAM MICHAEL, US  
[73] MCNEIL-PPC, INC., US  
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[54] **CONSTRUCTION DE PUIITS UTILISANT DE PETITS PUIITS LATERAUX**  
[72] ORBAN, JACQUES, RU  
[72] VERCAEMER, CLAUDE, FR  
[72] ISKANDER, SAMI, US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
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[25] EN

[54] **COMBINATION OF A GLUCOPYRANOSYL-SUBSTITUTED BENZENE DERIVATIVE AND DPP IV INHIBITOR FOR IMPROVING GLYCEMIC CONTROL**

[54] **COMBINAISON DE DERIVE DE BENZENE A GLUCOPYRANOSYL SUBSTITUE ET D'INHIBITEUR DE DPP IV POUR L'AMELIORATION DU CONTROLE DE LA GLYCEMIE**

[72] DUGI, KLAUS, DE  
[72] MARK, MICHAEL, DE  
[72] THOMAS, LEO, DE  
[72] HIMMELSBACH, FRANK, DE  
[73] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE

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[54] **A MAGNETIC CLAMP DISPOSITIF DE SERRAGE MAGNETIQUE**

[72] SLADOJEVIC, ROBERT, AU  
[73] SRB CONSTRUCTION TECHNOLOGIES PTY LTD., AU

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[54] **AGRAFEUSE MAGNETIQUE**

[72] SLADOJEVIC, ROBERT, AU  
[73] SRB CONSTRUCTION TECHNOLOGIES PTY LTD., AU

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[54] **SEQUENCE HOPPING IN SC-FDMA COMMUNICATION SYSTEMS**

[54] **SAUT DE SEQUENCE DANS DES SYSTEMES DE COMMUNICATION AMRF MONOPORTEUSE**

[72] PAPASAKELLARIOU, ARIS, US  
[72] CHO, JOON-YOUNG, KR  
[73] SAMSUNG ELECTRONICS CO., LTD., KR

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[51] **Int.Cl. B01J 35/10 (2006.01) B01D 53/86 (2006.01) B01J 23/85 (2006.01)**

[25] EN

[54] **A CATALYST COMPOSITION USEFUL IN THE CATALYTIC REDUCTION OF SULFUR COMPOUND CONTAINED IN A GAS STREAM AND A METHOD OF MAKING AND USING SUCH COMPOSITION**

[54] **COMPOSITION DE CATALYSEUR UTILE DANS LA REDUCTION CATALYTIQUE D'UN COMPOSE DU SOUFRE CONTENU DANS UN FLUX DE GAZ ET PROCEDE DE FABRICATION ET D'UTILISATION D'UNE TELLE COMPOSITION**

[72] MASSIE, STEPHEN NEIL, US  
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

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[13] C

[51] **Int.Cl. H04L 9/32 (2006.01) G01S 1/00 (2006.01) H04N 1/32 (2006.01)**

[25] FR

[54] **METHOD PROVIDING THE MEANS FOR RECOGNIZING THE ORIGIN AND/OR CONTENT OF AN RF SIGNAL**

[54] **PROCEDE FOURNISSANT LES MOYENS DE RECONNAITRE L'ORIGINE ET/OU LE CONTENU D'UN SIGNAL RF**

[72] DAMIDAUX, JEAN-LOUIS, FR  
[73] THALES, FR

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[54] **ELEMENT DE SECURITE**  
[72] STONE, DAVID ALLEN, GB  
[73] DE LA RUE INTERNATIONAL LIMITED, GB  
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[73] ORBIS CANADA LIMITED, CA  
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[54] **VENTILATEUR-RECUPERATEUR DE CHALEUR AVEC DEGIVRAGE**  
[72] CALDWELL, BRADLEY D., CA  
[73] NU-AIR VENTILATION SYSTEMS INC., CA  
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[72] LOFTIS, TONY, US  
[73] THE SERVICEMASTER COMPANY, US  
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[72] SARATHI, PARTHA S., US  
[72] DREHER, WAYNE REID, JR., US  
[72] NEEDHAM, RILEY BRYAN, US  
[72] DUTTA, ABHISHEK, US  
[73] CONOCOPHILLIPS COMPANY, US  
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[72] SALVI, ANNIBALE, IT  
[72] NARDI, ANTONIO, IT  
[72] MAIORANA, STEFANO, IT  
[72] SADA, MARA, IT  
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[54] **ELEMENT DE REGULATION D'ECOULEMENT FORME PAR FRITTAGE LASER DIRECT DE METAL**

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[73] CONTROL COMPONENTS, INC., US

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[54] **DISPOSITIF DE COMMANDE D'ETAT SOLIDE VITAL**

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[72] ASHRAF, AHTASHAM, US

[73] CENTRAL SIGNAL, LLC, US

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[54] **METHODE DE RECUPERATION D'HYDROCARBURES**

[72] DUONG, ANH NGOC, CA

[73] CONOCOPHILLIPS COMPANY, US

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[54] **VEHICULE DE MANIPULATION DE MATERIAUX AVEC UN MODULE CAPABLE DE CHANGER UN RAPPORT ROUE ORIENTABLE A POSITION DE POIGNEE DE COMMANDE**

[72] CORBETT, MICHAEL, US

[72] SCHLOEMER, JAMES FRANCIS, US

[72] WETTERER, GEORGE ROBERT, US

[73] CROWN EQUIPMENT CORPORATION, US

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[72] SELINA, JOHN ROBERT, US

[72] HABITZ, ARTHUR, US

[73] LETICA CORPORATION, US

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[54] **BOL ET CAPUCHON POUR UN BROYEUR D'EPICES**

[72] KRASZNAI, CHARLES Z., US

[72] WANAT, DAVID J., US

[73] CONAIR CORPORATION, US

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[54] **PROCEDE ET SYSTEME POUR FORMER DES STRUCTURES DE BETON MANUFACTURE VERTICALES**

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[72] STOTT, TONY D., US

[73] INTELLECTUAL PROPERTY MANAGEMENT LLC, US

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[72] HERTZFELD, BRUCE, US

[72] BUDIN, ERIC, US

[73] TV WORKS, LLC, US

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[54] **PRODUCTION D'UN FLUIDE POUR LA RECUPERATION D'HYDROCARBURES**  
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[72] SEABA, JAMES P., US  
[73] CONOCOPHILLIPS COMPANY, US  
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[54] **SYSTEME D'ESSAI PERMETTANT L'ESSAI A LA TENSION DE CHOC DE COMPOSANTS ELECTRIQUES A HAUTE TENSION**  
[72] WERLE, PETER, DE  
[72] STEIGER, MATTHIAS, DE  
[73] ABB TECHNOLOGY AG, CH  
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[54] **DISPOSITIF ET PROCEDE DE MESSAGERIE HERTZIENNE INSTANTANEE**  
[72] COSKUN, RISVAN, CA  
[72] OLIVER, ROBERT D., CA  
[72] ZHANG, HAINING, CA  
[72] ESTABLE, LUIS P., CA  
[73] BLACKBERRY LIMITED, CA  
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[54] **APPAREIL DE TRANSPORT DE GRAINS PNEUMATIQUE, ET PROCEDE DE DECHARGE SELECTIVE DES GRAINS DANS UN ELEVATEUR A GRAINS OU DE DERIVATION DES GRAINS DANS UN AUTRE RECIPIENT**  
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[72] BRUSH, ROBERT C., US  
[73] THE GSI GROUP, LLC, US  
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[54] **PROCEDE ET MACHINE DE TEST MULTIDIMENSIONNEL D'UN DISPOSITIF ELECTRONIQUE A PARTIR D'UNE SONDRE MONODIRECTIONNELLE**  
[72] PERDU, PHILIPPE, FR  
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[72] ROUSIERE, CHRISTOPHE, FR  
[73] GENES DIFFUSION, FR  
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[54] **SUPPORT DE PANNEAU MURAL SANS JOINT POUR BASSIN DE DOUCHE**  
[72] DONNELLY, STEVE, CA  
[72] HAMEL, PIERRE ALEXANDRE, CA  
[73] MAAX BATH INC., CA  
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[54] **GAINE POUR LA POIGNEE D'UN CHARIOT DE TRANSPORT**  
[72] SONNENDORFER, HORST, DE  
[72] WIETH, FRANZ, DE  
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[54] **EMBOUT POUR MAQUETTE DE REACTEUR NUCLEAIRE**  
[72] WILSON, SHAWN M., CA  
[72] BRENNAN, PAT J., CA  
[72] MURPHY, DAVE J., CA  
[73] GE-HITACHI NUCLEAR ENERGY CANADA INC., CA  
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[54] **PREPARATION AND USAGE OF A PHARMACEUTICAL COMPOSITION CONTAINING FERULIC ACID AND MATRINE COMPOUNDS**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DE L'ACIDE FERULIQUE ET COMPOSES DE MATRINE, PREPARATION ET UTILISATION CORRESPONDANTES**  
[72] SUN, XIAOJIE, CN  
[72] MA, WEIFU, CN  
[73] QINGDAO QIYUAN BIOTECHNOLOGIES CO., LTD., CN  
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[54] **DISPOSITIF D'INTERVENTION CHIRURGICALE COMPRENANT UN INSTRUMENT SUSCEPTIBLE DE SE DEFORMER**  
[72] MOREAU-GAUDRY, ALEXANDRE, FR  
[72] BONVILAIN, AGNES, FR  
[73] UNIVERSITE JOSEPH FOURIER - GRENOBLE 1, FR  
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[54] **LAVEUR POUR UNITE DE COKEFACTION EN LIT FLUIDISE**  
[72] BULBUC, DANIEL, CA  
[72] HACKMAN, LARRY P., CA  
[72] JONES, GEORGE B., CA  
[72] KIEL, DARWIN, CA  
[72] KNAPPER, BRIAN A., CA  
[72] MCKNIGHT, CRAIG A., CA  
[72] TYLER, JONATHAN, CA  
[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
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[54] **MONITORING A PARAMETER WITH LOW POWER CONSUMPTION FOR AIRCRAFT LANDING GEAR DATA LOGGER**  
[54] **SURVEILLANT UN PARAMETRE A FAIBLE CONSOMMATION D'ELECTRICITE POUR ENREGISTREUR CHRONOLOGIQUE DES DONNEES DU TRAIN D'ATTERRISSAGE D'UN AERONEF**  
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[73] MESSIER-DOWTY, INC., CA  
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[54] **SYSTEME D'AMELIORATION SONORE DE CHAISE HAPTIQUE AYANT UN AFFICHAGE AUDIOVISUEL**

[72] TAYLOR, OH ELIZABETH ANN, SG

[72] NANAYAKKARA, SURANGA CHANDIMA, SG

[72] WYSE, LONCE LAMAR, SG

[72] ONG, SIM HENG, SG

[72] YEO, KIAN PEEN, SG

[72] TAN, GHIM HUI, SG

[73] NATIONAL UNIVERSITY OF SINGAPORE, SG

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[54] **AN APPARATUS AND METHOD FOR CUTTING A WELLBORE**

[54] **APPAREIL ET PROCEDE POUR COUPER UN PUIT DE FORAGE**

[72] DAVIS, LANCE, GB

[72] SCOTT, EDWARD DOCHERTY, GB

[73] DEEP CASING TOOLS LIMITED, GB

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[25] EN

[54] **ANTI-XDR-TB AGENT, ANTI-MDR-TB AGENT, AND COMBINED ANTI-TUBERCULOSIS AGENT**

[54] **AGENT ANTI-XDR-TB, AGENT ANTI-MDR-TB ET AGENT ANTITUBERCULEUX COMBINE**

[72] TAKAHASHI, YOSHIAKI, JP

[72] IGARASHI, MASAYUKI, JP

[72] OKADA, MASAJI, JP

[73] MICROBIAL CHEMISTRY RESEARCH FOUNDATION, JP

[73] INFECTIOUS DISEASE RESEARCH INSTITUTE, US

[85] 2011-04-01

[86] 2009-10-02 (PCT/JP2009/067267)

[87] (WO2010/038874)

[30] JP (2008-257664) 2008-10-02

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[13] C

[51] **Int.Cl. H04W 28/26 (2009.01) H04W 24/00 (2009.01) H04W 72/04 (2009.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR ALLOCATING RESOURCES AMONG MULTIPLE USERS**

[54] **PROCEDE ET APPAREIL DE DISTRIBUTION DE RESSOURCES ENTRE PLUSIEURS UTILISATEURS**

[72] LIU, QI, CN

[72] ZHANG, FAN, CN

[73] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2011-04-08

[86] 2009-07-13 (PCT/CN2009/072747)

[87] (WO2010/006546)

[30] CN (200810132877.0) 2008-07-14

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[13] C

[51] **Int.Cl. F16K 41/02 (2006.01) F16K 41/06 (2006.01)**

[25] EN

[54] **PACKING FOLLOWERS FOR USE WITH VALVES**

[54] **FOULOIRS DE PRESSE-GARNITURE DESTINES A ETRE UTILISES AVEC DES VANNES**

[72] HELFER, WADE JONATHON, US

[73] FISHER CONTROLS INTERNATIONAL LLC, US

[85] 2011-04-11

[86] 2009-09-22 (PCT/US2009/057865)

[87] (WO2010/047908)

[30] US (12/258,017) 2008-10-24

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[11] **2,740,624**  
[13] C

[51] **Int.Cl. G06K 9/20 (2006.01) G06F 21/32 (2013.01) H04N 5/335 (2011.01) H04W 12/06 (2009.01)**

[25] EN

[54] **FINGERPRINT SCANNING WITH A CAMERA**

[54] **BALAYAGE D'EMPREINTES DIGITALES AU MOYEN D'UNE CAMERA**

[72] RAMRATTAN, COLIN SHIVA, CA

[72] LOWLES, ROBERT JAMES, CA

[72] TOWNSEND, GRAHAM CHARLES, CA

[73] BLACKBERRY LIMITED, CA

[86] (2740624)

[87] (2740624)

[22] 2011-05-19

[30] EP (10163575.3) 2010-05-21

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[11] **2,740,666**  
[13] C

[51] **Int.Cl. A62C 3/08 (2006.01) B64D 13/00 (2006.01)**

[25] EN

[54] **INTEGRATED CARGO FIRE-SUPPRESSION AGENT DISTRIBUTION SYSTEM**

[54] **SYSTEME DE DISTRIBUTION INTEGRE D'UN AGENT D'EXTINCTION DES INCENDIES POUR COMPARTIMENT DE FRET**

[72] LEWINSKI, DANIEL F., US

[72] MEIER, OLIVER C., US

[73] THE BOEING COMPANY, US

[86] (2740666)

[87] (2740666)

[22] 2011-05-20

[30] US (12/852,480) 2010-08-07

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[25] EN

[54] **OIL-FREE SHELF STABLE LIQUID CREAMERS**

[54] **LIQUIDE DE BLANCHIMENT SANS HUILE, ET DE LONGUE CONSERVATION**

[72] TUOT, JAMES, US

[72] OCTAVIA, WINNIE, US

[72] SHER, ALEXANDER A., US

[73] NESTEC S.A., CH

[85] 2011-04-20

[86] 2009-10-26 (PCT/EP2009/064048)

[87] (WO2010/049376)

[30] US (61/108,814) 2008-10-27

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[25] EN

[54] **ROTARY ACTUATOR LEVER APPARATUS HAVING AN ANNULAR RECESS**

[54] **APPAREIL LEVIER D'ACTIONNEUR ROTATIF PRESENTANT UN EVIDEMENT ANNULAIRE**

[72] HELFER, WADE JONATHON, US

[73] FISHER CONTROLS INTERNATIONAL LLC, US

[85] 2011-04-28

[86] 2009-09-22 (PCT/US2009/057877)

[87] (WO2010/051115)

[30] US (12/263,001) 2008-10-31

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[13] C

[51] **Int.Cl. C10G 1/02 (2006.01) B01J 8/18 (2006.01) C10B 53/06 (2006.01)**

[25] EN

[54] **PROCESS FOR UPGRADING HEAVY OIL AND BITUMEN PRODUCTS**

[54] **PROCEDE POUR LA VALORISATION DE PRODUITS DE PETROLE LOURD ET DE BITUME**

[72] BROWN, WAYNE, CA

[72] HOLUK, ROSS, CA

[72] MONAGHAN, GERARD, CA

[72] PORTER, STEPHEN, CA

[72] SUGIYAMA, ROBERT, CA

[73] ETX SYSTEMS INC., CA

[85] 2011-05-11

[86] 2008-11-14 (PCT/CA2008/002022)

[87] (WO2010/054464)

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[13] C

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[25] EN

[54] **FLUID VALVES HAVING AN INTEGRAL SAFETY SHUT-OFF**

[54] **VANNES POUR FLUIDE AVEC FERMETURE DE SECURITE INTEGREE**

[72] GREIF, DAVID JOSEPH, US

[73] FISHER CONTROLS INTERNATIONAL LLC, US

[85] 2011-05-12

[86] 2009-09-24 (PCT/US2009/058200)

[87] (WO2010/056422)

[30] US (12/269,657) 2008-11-12

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[25] EN

[54] **SOUR SERVICE HYDROPROCESSING FOR DIESEL FUEL PRODUCTION**

[54] **HYDROTRAITEMENT POUR APPORT D'ACIDES POUR LA PRODUCTION DE CARBURANT DIESEL**

[72] OLIVERI, CHRISTOPHER G., US

[72] HILBERT, TIMOTHY L., US

[72] NOVAK, WILLIAM J., US

[73] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US

[85] 2011-06-09

[86] 2009-12-29 (PCT/US2009/006729)

[87] (WO2010/077345)

[30] US (61/204,056) 2008-12-31

[30] US (12/653,478) 2009-12-15

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[13] C

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[25] EN

[54] **IMMUNOCYTOKINES FOR TUMOUR THERAPY WITH CHEMOTHERAPEUTIC AGENTS**

[54] **IMMUNOCYTOKINES POUR THERAPIE TUMORALE AVEC AGENTS CHIMIOETHERAPIQUES**

[72] PEDRETTI, MARTA, CH

[72] NERI, DARIO, CH

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

[85] 2011-06-09

[86] 2009-12-14 (PCT/EP2009/008920)

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[30] US (61/139,484) 2008-12-19

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[13] C

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[25] EN

[54] **PRINTING MACHINE AND METHOD FOR PRINTING A SUBSTRATE**

[54] **PROCEDE ET MACHINE D'IMPRESSIION POUR L'IMPRESSIION D'UN SUBSTRAT**

[72] KLEINE JAEGER, FRANK, DE  
[72] KACZUN, JUERGEN, DE  
[72] LEHMANN, UDO, DE  
[73] BASF SE, DE  
[85] 2011-06-16  
[86] 2009-12-14 (PCT/EP2009/067021)  
[87] (WO2010/069900)  
[30] EP (08171915.5) 2008-12-17

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[11] **2,752,163**  
[13] C

[51] **Int.Cl. B01D 53/26 (2006.01) B01D 5/00 (2006.01)**

[25] EN

[54] **VAPOR RECOVERY SYSTEM UTILIZING COMPRESSION-CONDENSATION PROCESSES AND RELATED METHODS**

[54] **SYSTEME DE RECUPERATION A LA VAPEUR UTILISANT DES PROCESSUS DE COMPRESSION-CONDENSATION ET PROCEDES CONNEXES**

[72] KRUMBHOLZ, CAROL DIANE, US  
[73] KRUMBHOLZ, CAROL DIANE, US  
[85] 2011-08-16  
[86] 2010-08-20 (PCT/US2010/046232)  
[87] (WO2012/023949)  
[30] US (61/375,762) 2010-08-20

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[13] C

[51] **Int.Cl. C02F 1/20 (2006.01) C02F 1/28 (2006.01) E21B 43/26 (2006.01) C09K 8/66 (2006.01)**

[25] EN

[54] **TREATMENT OF WATER FOR USE IN HYDRAULIC FRACTURE STIMULATION**

[54] **TRAITEMENT DE L'EAU DEVANT SERVIR A UNE SIMULATION DE FRACTIONNEMENT HYDRAULIQUE**

[72] MCCORRISTON, LOIS LOUISE, CA  
[72] POND, JENNIFER N., CA  
[73] ENCANA CORPORATION, CA  
[86] (2754329)  
[87] (2754329)  
[22] 2011-10-06  
[30] US (61/390,972) 2010-10-07

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[11] **2,750,113**  
[13] C

[51] **Int.Cl. G05B 19/404 (2006.01) B25J 9/18 (2006.01)**

[25] EN

[54] **SECONDARY POSITION FEEDBACK CONTROL OF A ROBOT**

[54] **COMMANDE DE RETROACTION DE POSITION SECONDAIRE D'UN ROBOT**

[72] TSAI, JASON, US  
[72] WONG, ERIC, US  
[72] TAO, JIANMING, US  
[72] MCGEE, H. DEAN, US  
[72] AKEEL, HADI, US  
[73] FANUC ROBOTICS AMERICA, INC., US  
[85] 2011-07-19  
[86] 2010-01-27 (PCT/US2010/022195)  
[87] (WO2010/088251)  
[30] US (61/147,484) 2009-01-27  
[30] US (12/693,537) 2010-01-26

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[11] **2,754,007**  
[13] C

[51] **Int.Cl. A61K 31/519 (2006.01) C07D 475/08 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL COMPOSITION COMPRISING RACEMIC AMINOPTERIN**

[54] **COMPOSITION PHARMACEUTIQUE COMPORTANT DE L'AMINOPTERINE RACEMIQUE**

[72] ZEBALA, JOHN A., US  
[72] MAEDA, DEAN Y., US  
[72] MORGAN, JOEL R., US  
[72] KAHN, STUART J., US  
[73] AMINOPTERIN LLC, US  
[85] 2011-07-22  
[86] 2010-01-23 (PCT/US2010/021899)  
[87] (WO2010/085717)  
[30] US (61/147,093) 2009-01-24

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[13] C

[51] **Int.Cl. C08B 16/00 (2006.01) D01F 2/02 (2006.01) D21C 11/00 (2006.01)**

[25] EN

[54] **A SHAPED CELLULOSE MANUFACTURING PROCESS COMBINED WITH A PULP MILL RECOVERY SYSTEM**

[54] **PROCEDE DE FABRICATION DE CELLULOSE FACONNEE ASSOCIE A UN SYSTEME DE RECUPERATION D'USINE DE PATE A PAPIER**

[72] STIGSSON, LARS, SE  
[73] KIRAM AB, SE  
[85] 2011-09-01  
[86] 2010-03-08 (PCT/SE2010/050256)  
[87] (WO2010/104458)  
[30] US (61/202,517) 2009-03-09  
[30] US (61/272,080) 2009-08-14  
[30] SE (0901175-0) 2009-09-11  
[30] SE (0901615-5) 2009-12-28



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[25] EN  
[54] **METHOD AND SYSTEM FOR FULFILLING REQUESTS IN AN INVENTORY SYSTEM**  
[54] **PROCEDE ET SYSTEME D'EXECUTION DE DEMANDES DANS UN SYSTEME D'INVENTAIRE**  
[72] WURMAN, PETER R., US  
[72] BRUNNER, DANIEL T., US  
[72] BARBEHENN, MICHAEL T., US  
[73] AMAZON TECHNOLOGIES, INC., US  
[85] 2011-09-07  
[86] 2010-02-23 (PCT/US2010/024965)  
[87] (WO2010/110981)  
[30] US (12/413,074) 2009-03-27

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[13] C

[51] **Int.Cl. G01L 7/08 (2006.01) G01D 11/30 (2006.01) G01L 9/14 (2006.01)**  
[25] EN  
[54] **PRESSURE GAGE WITH MAGNETICALLY COUPLED DIAPHRAGM**  
[54] **MANOMETRE DOTE D'UN DIAPHRAGME A COUPLAGE MAGNETIQUE**  
[72] POPP, MICHAEL A., US  
[73] DWYER INSTRUMENTS, INC., US  
[85] 2011-09-01  
[86] 2010-03-03 (PCT/US2010/026057)  
[87] (WO2010/102008)  
[30] US (61/157,975) 2009-03-06

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[13] C

[51] **Int.Cl. E21B 15/00 (2006.01) B66C 23/18 (2006.01) B66F 9/04 (2006.01) E04G 21/14 (2006.01)**  
[25] EN  
[54] **DRILLING RIG MAST LIFT SYSTEMS AND METHODS**  
[54] **SYSTEMES ET PROCEDES DE LEVAGE DE MAT D'APPAREIL DE FORAGE**  
[72] DONNALLY, ROBERT BENJAMIN, CN  
[72] REN, CHUNQIAO, CN  
[72] LIU, XI LIN, CN  
[72] YU, YAN, CN  
[72] YUE, PENG, CN  
[72] WANG, WEI, CN  
[73] NATIONAL OILWELL VARCO, L.P., US  
[85] 2011-08-23  
[86] 2010-04-20 (PCT/US2010/031661)  
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[30] US (61/177,773) 2009-05-13

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[25] EN  
[54] **HAZARDOUS AGENT INJECTION SYSTEM**  
[54] **SYSTEME D'INJECTION D'AGENTS DANGEREUX**  
[72] HAYES, JOHN WILLIAM, US  
[72] WOTTON, PAUL, US  
[72] SADOWSKI, PETER L., US  
[73] ANTARES PHARMA, INC., US  
[85] 2011-09-16  
[86] 2010-03-19 (PCT/US2010/028011)  
[87] (WO2010/108116)  
[30] US (61/162,114) 2009-03-20

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[13] C

[51] **Int.Cl. B65D 81/32 (2006.01) A61J 1/05 (2006.01)**  
[25] EN  
[54] **BEFORE-USE MIXING CONTAINER**  
[54] **CONTENEUR DE MELANGE DE PRE-UTILISATION**  
[72] OTSUKA, TADASHI, JP  
[72] FUJIMOTO, TAKASHI, JP  
[73] SENJU PHARMACEUTICAL CO., LTD., JP  
[85] 2011-09-29  
[86] 2010-04-01 (PCT/JP2010/056029)  
[87] (WO2010/114101)  
[30] JP (2009-090183) 2009-04-02

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[11] **2,757,465**  
[13] C

[51] **Int.Cl. H04L 12/841 (2013.01) H04L 12/855 (2013.01)**  
[25] EN  
[54] **MANAGING TRANSMISSIONS AMONG NODES COMMUNICATING OVER A SHARED COMMUNICATION MEDIUM**  
[54] **GESTION DE TRANSMISSIONS PARMI DES NOEUDS COMMUNIQUEANT SUR UN SUPPORT DE COMMUNICATION PARTAGE**  
[72] KATAR, SRINIVAS, US  
[72] KRISHNAM, MANJUNATH, US  
[72] SCHRUM, SIDNEY BROWER JR., US  
[72] YONGE, LAWRENCE W., III, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2011-09-30  
[86] 2010-04-01 (PCT/US2010/029601)  
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[30] US (61/165,879) 2009-04-01

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[13] C

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[25] EN  
[54] **AN APPARATUS AND METHOD FOR ESTIMATING SYNCHRONIZED PHASORS AT PREDETERMINED TIMES REFERENCED TO A COMMON TIME STANDARD IN AN ELECTRICAL SYSTEM**  
[54] **APPAREIL ET PROCEDURE POUR L'ESTIMATION DE VECTEURS DE PHASE SYNCHRONISES A DES INSTANTS PREDETERMINEES EN REFERENCE A UNE NORME DE TEMPS COMMUNE DANS UN SYSTEME ELECTRIQUE**  
[72] ZWEIGLE, GREGARY C., US  
[72] GUZMAN-CASILLAS, ARMANDO, US  
[72] ANDERSON, LUTHER S., US  
[73] SCHWEITZER ENGINEERING LABORATORIES, INC., US  
[86] (2761175)  
[87] (2761175)  
[22] 2011-12-07  
[30] US (12/963,331) 2010-12-08

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[13] C

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[25] EN  
[54] **METHOD AND DEVICE FOR IMPROVED MULTI-LAYER DATA COMPRESSION**  
[54] **PROCEDURE ET DISPOSITIF DE COMPRESSION DE DONNEES MULTICOUCHES AMELIORE**  
[72] HE, DAKE, CA  
[72] SHAO, MINGKAI, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2763489)  
[87] (2763489)  
[22] 2012-01-04  
[30] EP (11151350.3) 2011-01-19

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[13] C

[51] **Int.Cl. H04W 48/18 (2009.01)**  
[25] EN  
[54] **VOICE SERVICE IN EVOLVED PACKET SYSTEM**  
[54] **SERVICE VOCAL DANS UN SYSTEME A PAQUETS EVOLUE**  
[72] BURBIDGE, RICHARD CHARLES, GB  
[72] FACCIN, STEFANO, US  
[72] CHIN, CHEN-HO, BE  
[72] DWYER, JOHANNA LISA, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2011-12-02  
[86] 2010-06-03 (PCT/US2010/037339)  
[87] (WO2010/141787)  
[30] US (61/183,937) 2009-06-03

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[13] C

[51] **Int.Cl. B29C 45/40 (2006.01) B29C 33/44 (2006.01) B29C 45/76 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR EJECTOR ACTUATION**  
[54] **APPAREIL POUR ACTIONNEMENT D'EJECTEUR**  
[72] STIRN, ANDREW K., US  
[72] LIGHTFIELD, JAMES M., US  
[72] JOHNSON, SEAN F., US  
[73] MILACRON LLC, US  
[85] 2012-01-17  
[86] 2010-06-24 (PCT/US2010/039780)  
[87] (WO2011/019454)  
[30] US (12/538,899) 2009-08-11

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[13] C

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[25] EN  
[54] **SYSTEMS, METHODS, AND PROGRAM APPLICATIONS FOR SELECTIVELY RESTRICTING THE PLACESHIFTING OF COPY PROTECTED DIGITAL MEDIA CONTENT**  
[54] **SYSTEMES, PROCEDES ET APPLICATIONS DE PROGRAMME POUR RESTRICTION SELECTIVE DU DEPLACEMENT DE CONTENU DE MEDIA NUMERIQUE INTERDIT DE COPIE**  
[72] GANGOTRI, ARUN L., IN  
[72] GURZHI, ALEXANDER, US  
[73] SLING MEDIA PVT LTD., IN  
[73] SLING MEDIA, INC., US  
[85] 2012-02-08  
[86] 2010-08-06 (PCT/US2010/044674)  
[87] (WO2011/019592)  
[30] IN (1922/CHE/2009) 2009-08-13  
[30] US (12/623,955) 2009-11-23

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[11] **2,772,040**  
[13] C

[51] **Int.Cl. G06F 3/041 (2006.01) G06F 3/044 (2006.01)**  
[25] EN  
[54] **NARROW FRAME TOUCH INPUT SHEET, MANUFACTURING METHOD OF THE SAME, AND CONDUCTIVE SHEET USED IN NARROW FRAME TOUCH INPUT SHEET**  
[54] **FEUILLE DE SAISIE TACTILE A ENCADREMENT ETROIT, SON PROCEDURE DE FABRICATION, ET FEUILLE CONDUCTRICE UTILISEE DANS UNE FEUILLE DE SAISIE TACTILE A ENCADREMENT ETROIT**  
[72] SAKATA, YOSHIHIRO, JP  
[72] HASHIMOTO, TAKAO, JP  
[72] KAI, YOSHIHIRO, JP  
[72] MORIKAWA, YUJI, JP  
[73] NISSHA PRINTING CO., LTD., JP  
[85] 2012-02-23  
[86] 2010-09-08 (PCT/JP2010/065374)  
[87] (WO2011/030773)  
[30] JP (2009-211002) 2009-09-11  
[30] JP (2009-215087) 2009-09-16  
[30] JP (2009-215088) 2009-09-16

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[13] C

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[25] EN  
[54] **PROVIDING A CLASSIFICATION SUGGESTION FOR ELECTRONICALLY STORED INFORMATION**  
[54] **OFFRE D'UNE SUGGESTION DE CLASSIFICATION POUR DES INFORMATIONS STOCKEES ELECTRONIQUEMENT**  
[72] KNIGHT, WILLIAM C., US  
[73] FTI CONSULTING, INC., US  
[85] 2012-01-26  
[86] 2010-07-27 (PCT/US2010/043290)  
[87] (WO2011/017064)  
[30] US (61/229,216) 2009-07-28  
[30] US (61/236,490) 2009-08-24  
[30] US (12/833,769) 2010-07-09

[11] **2,773,240**  
[13] C

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[25] EN  
[54] **PROCESS FOR PRODUCING MOLECULES CONTAINING SPECIALIZED GLYCAN STRUCTURES**  
[54] **PROCEDE DE PRODUCTION DE MOLECULES CONTENANT DES STRUCTURES GLYCANES SPECIALISEES**  
[72] SANDIG, VOLKER, DE  
[72] VON HORSTEN, HANS HENNING, DE  
[72] OGOREK, CHRISTIANE, DE  
[73] PROBIOGEN AG, DE  
[85] 2012-03-06  
[86] 2010-09-21 (PCT/EP2010/005772)  
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[30] US (61/244,624) 2009-09-22

[11] **2,774,532**  
[13] C

- [51] **Int.Cl. H04L 12/865 (2013.01)**  
[25] EN  
[54] **INTELLIGENT ELECTRONIC DEVICE WITH SEGREGATED REAL-TIME ETHERNET**  
[54] **INTELLIGENT ELECTRONIQUE SEPRE EN TEMPS REEL**  
[72] MORRIS, ROBERT E., US  
[72] LEE, TONY J., US  
[73] SCHWEITZER ENGINEERING LABORATORIES, INC., US  
[85] 2012-03-16  
[86] 2010-09-16 (PCT/US2010/049169)  
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[30] US (12/562,224) 2009-09-18

[11] **2,775,163**  
[13] C

- [51] **Int.Cl. B65D 85/36 (2006.01)**  
[25] EN  
[54] **PACKAGING FOR PORTION CONFECTIONERY GOODS (VARIANTS) WHICH ARE PREFERABLY BAKED, AND MEANS FOR SECURING SAID CONFECTIONERY GOODS IN THE PACKAGING**  
[54] **EMBALLAGE DE PIECES DE PATISSERIE, DE PREFERENCE DE VIENNOISERIES, EN PORTIONS (VARIANTE) ET MOYENS DE FIXATION DE CES ARTICLES DANS L'EMBALLAGE**  
[72] AGABABOV, VALERY EDUARDOVICH, RU  
[73] AGABABOV, VALERY EDUARDOVICH, RU  
[85] 2012-03-22  
[86] 2010-09-24 (PCT/RU2010/000530)  
[87] (WO2011/037496)  
[30] RU (2009135663) 2009-09-25  
[30] RU (2010125980) 2010-06-25

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[13] C

- [51] **Int.Cl. E06B 9/38 (2006.01) A47H 1/04 (2006.01) E06B 9/42 (2006.01) F16B 2/22 (2006.01)**  
[25] EN  
[54] **HEAD RAIL OF WINDOW COVERING AND LID FASTENER**  
[54] **TRINGLE SUPERIEURE POUR RIDEAUX AVEC CAPUCHONS FIXES AUX EXTREMITES**  
[72] WEN, YU-CHE, TW  
[72] CHANG, CHIH-YAO, TW  
[73] NIEN MADE ENTERPRISE CO., LTD., TW  
[86] (2775361)  
[87] (2775361)  
[22] 2012-04-24  
[30] CN (201120249985.3) 2011-07-15

[11] **2,775,526**  
[13] C

- [51] **Int.Cl. A47J 31/00 (2006.01) A47J 31/30 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD OF PREPARING BEVERAGES**  
[54] **APPAREIL ET METHODE DE PREPARATION DE BOISSONS**  
[72] WHELEN, GARTH W., CA  
[73] WHELEN, GARTH W., CA  
[86] (2775526)  
[87] (2775526)  
[22] 2012-04-30

[11] **2,776,640**  
[13] C

- [51] **Int.Cl. E21B 10/28 (2006.01)**  
[25] EN  
[54] **HOLE OPENER WITH HYBRID REAMING SECTION**  
[54] **ELARGISSEUR A SECTION D'ALESAGE HYBRIDE**  
[72] BUSKE, ROBERT J., US  
[72] PESSIER, RUDOLF C., US  
[73] BAKER HUGHES INCORPORATED, US  
[85] 2012-04-03  
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[51] **Int.Cl. A61K 9/22 (2006.01) A61K 9/52 (2006.01) A61K 47/36 (2006.01)**  
[25] EN  
[54] **DELIVERY SYSTEM FOR BIOLOGICAL COMPONENT**  
[54] **SYSTEME DE DISTRIBUTION DE COMPOSANT BIOLOGIQUE**  
[72] BOREK, TANYA, US  
[72] FEDERICI, CATHERINE, US  
[72] HITE, MICHAEL P., US  
[72] LONDON, CHRISTOPHER, US  
[72] TURNER, STEPHEN J., US  
[73] TNTGAMBLE INC., US  
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[54] **SBR BITSTREAM PARAMETER DOWNMIX**  
[54] **MIXAGE REDUCTEUR DE PARAMETRES DE FLUX DE BITS SBR**  
[72] KJOERLING, KRISTOFER, SE  
[72] THESING, ROBIN, DE  
[73] DOLBY INTERNATIONAL AB, NL  
[85] 2012-04-30  
[86] 2010-12-14 (PCT/EP2010/069651)  
[87] (WO2011/073201)  
[30] US (61/286,912) 2009-12-16

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[13] C  
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 12/951 (2013.01) H04L 12/953 (2013.01)**  
[25] EN  
[54] **APPARATUS FOR TRANSMITTING MAC PDU WITH A FRAGMENTATION AND PACKING EXTENDED HEADER AND METHOD THEREOF**  
[54] **APPAREIL D'ENVOI DE PDU MAC AYANT UN EN-TETE ETENDU DE FRAGMENTATION ET DE CONTACTAGE, ET PROCEDE CORRESPONDANT**  
[72] KIM, JEONG KI, KR  
[72] YUK, YOUNG SOO, KR  
[72] KIM, YONG HO, KR  
[72] RYU, KI SEON, KR  
[73] LG ELECTRONICS INC., KR  
[85] 2012-04-26  
[86] 2010-11-18 (PCT/KR2010/008157)  
[87] (WO2011/062425)  
[30] US (61/262,531) 2009-11-18  
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[30] KR (10-2010-0033169) 2010-04-12

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[51] **Int.Cl. G01N 33/538 (2006.01) G01N 33/531 (2006.01)**  
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[54] **MULTIPLANAR LATERAL FLOW ASSAY WITH SAMPLE COMPRESSOR**  
[54] **ESSAI A ECOULEMENT LATERAL EN PLANS MULTIPLES COMPORTANT UN COMPRESSEUR D'ECHANTILLON**  
[72] SAMBURSKY, ROBERT P., US  
[72] BABU, UMA MAHESH, US  
[72] VANDINE, ROBERT W., US  
[72] KANAUJIA, GANGA V., US  
[72] ORSINI, THOMAS, US  
[73] RAPID PATHOGEN SCREENING, INC., US  
[85] 2012-05-11  
[86] 2010-12-03 (PCT/US2010/058827)  
[87] (WO2011/069031)  
[30] US (61/266,641) 2009-12-04  
[30] US (61/331,966) 2010-05-06  
[30] US (61/352,093) 2010-06-07  
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[30] US (12/957,683) 2010-12-01  
[30] US (12/958,454) 2010-12-02

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[11] **2,783,078**  
[13] C  
[51] **Int.Cl. A42B 3/16 (2006.01)**  
[25] EN  
[54] **EAR PROTECTOR FOR A HOCKEY OR LACROSSE HELMET**  
[54] **PROTECTEUR D'OREILLE POUR JOUEUR DE HOCKEY OU DE CROSSE**  
[72] DUROCHER, JACQUES, CA  
[73] BAUER HOCKEY CORP., CA  
[86] (2783078)  
[87] (2783078)  
[22] 2012-07-13  
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[13] C  
[51] **Int.Cl. E06B 1/32 (2006.01) E06B 1/52 (2006.01)**  
[25] EN  
[54] **REINFORCED MULL POST ASSEMBLY**  
[54] **ENSEMBLE DE MENEAU RENFORCE**  
[72] AN, PAO YU, US  
[72] LIN, ALBERT, US  
[72] MINGYONG, TONG, CN  
[73] PLASTPRO 2000, INC., US  
[86] (2783813)  
[87] (2783813)  
[22] 2012-07-26  
[30] US (13/194,784) 2011-07-29

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[13] C  
[51] **Int.Cl. B21D 26/02 (2011.01) B21D 51/26 (2006.01)**  
[25] EN  
[54] **METHODS OF PRESSURE FORMING METAL CONTAINERS AND THE LIKE FROM PREFORMS HAVING WALL THICKNESS GRADIENT**  
[54] **PROCEDES DE FORMAGE PAR PRESSION DE RECIPIENTS METALLIQUES ET ANALOGUES A PARTIR D'EBAUCHES PRESENTANT UN GRADIENT D'EPAISSEUR DE PAROI**  
[72] MALLORY, ROBERT, CA  
[72] SHI, YIHAI, CA  
[73] NOVELIS INC., CA  
[73] MONTEBELLO PACKAGING, CA  
[85] 2012-06-18  
[86] 2011-01-11 (PCT/CA2011/000020)  
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[13] C

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[25] EN  
[54] **HANDHELD ELECTRONIC DEVICE AND CAMERA PROVIDING FLASH COMPENSATION OF IMAGES, AND ASSOCIATED METHOD**  
[54] **DISPOSITIF ELECTRONIQUE MANUEL ET CAMERA AVEC COMPENSATION AU FLASH D'IMAGES, ET METHODE CONNEXE**  
[72] DRADER, MARC, CA  
[72] PURDY, MICHAEL, CA  
[72] WU, KEN, CA  
[73] BLACKBERRY LIMITED, CA  
[86] (2784930)  
[87] (2784930)  
[22] 2008-01-24  
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[13] C

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[25] EN  
[54] **CONFORMAL HEAT EXCHANGER FOR BATTERY CELL STACK**  
[54] **ECHANGEUR DE CHALEUR CONFORME POUR PILE D'ELEMENTS D'ACCUMULATEUR**  
[72] PALANCHON, HERVE, DE  
[72] KOZDRAS, MARK S., CA  
[72] MARTIN, MICHAEL A., CA  
[72] BURGERS, JOHN G., CA  
[73] DANA CANADA CORPORATION, CA  
[85] 2012-07-19  
[86] 2011-02-01 (PCT/CA2011/050054)  
[87] (WO2011/094863)  
[30] US (61/300,616) 2010-02-02

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[13] C

[51] **Int.Cl. G01N 33/98 (2006.01)**  
[25] EN  
[54] **APPARATUS, SYSTEM, AND METHOD FOR IMPLEMENTING AND MONITORING BREATH ALCOHOL TESTING PROGRAMS, USUALLY FROM A FIXED POINT LOCATION, SUCH AS A HOME**  
[54] **APPAREIL, SYSTEME ET METHODE DE MISE EN PLACE ET DE SURVEILLANCE DE PROGRAMMES D'ALCOTEST, GENERALEMENT A PARTIR D'UN LIEU FIXE, COMME LE DOMICILE**  
[72] ARRINGDALE, DAVID L., US  
[72] WALTER, MICHAEL W., US  
[72] DEVRIES, DOUGLAS E., US  
[73] CONSUMER SAFETY TECHNOLOGY, INC., US  
[86] (2788785)  
[87] (2788785)  
[22] 2012-08-31  
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[13] C

[51] **Int.Cl. F04D 29/56 (2006.01) F04D 25/08 (2006.01) F24F 13/062 (2006.01) F24F 13/20 (2006.01)**  
[25] EN  
[54] **PLASTIC FAN SHROUD AND CONE ASSEMBLY AND METHOD**  
[54] **ENSEMBLE D'ENVELOPPE ET DE CONE POUR VENTILATEUR EN PLASTIQUE ET METHODE**  
[72] WENGER, CURTIS, US  
[72] KRAFT, JAMES R., US  
[73] CTB, INC., US  
[86] (2786396)  
[87] (2786396)  
[22] 2012-08-17  
[30] US (13/215840) 2011-08-23

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[13] C

[51] **Int.Cl. B62D 55/07 (2006.01) F02M 9/08 (2006.01)**  
[25] EN  
[54] **SNOWMOBILE**  
[54] **MOTONEIGE**  
[72] NAGAO, TOKINARI, JP  
[72] SAWABUCHI, ATSUSHI, JP  
[72] ASHIDA, TAKASHI, JP  
[72] ISHIZAWA, KAZUHIRO, JP  
[72] YAMADA, TAKAYUKI, JP  
[73] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP  
[86] (2788513)  
[87] (2788513)  
[22] 2010-10-25  
[62] 2,718,597  
[30] JP (2009-245096) 2009-10-26

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[13] C

[51] **Int.Cl. A47G 1/06 (2006.01) A47G 1/10 (2006.01) A47G 1/14 (2006.01) G09F 15/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR PROVIDING AN ACCESSORIZABLE FRAME SYSTEM**  
[54] **SYSTEMES ET PROCEDES PERMETTANT D'OBTENIR D'UN SYSTEME DE CADRE POUVANT ETRE ACCESSOIRISE**  
[72] BYFIELD, RICHARD E., US  
[73] BYFIELD, RICHARD E., US  
[85] 2012-09-17  
[86] 2010-03-16 (PCT/US2010/027530)  
[87] (WO2010/107829)  
[30] US (61/160,570) 2009-03-16  
[30] US (12/724,213) 2010-03-15

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[13] C

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[25] EN  
[54] **ARC FORMATION CHAMBER WITH IMPROVED ARC COMPRESSION FOR CIRCUIT BREAKER**

[54] **CHAMBRE DE FORMATION D'ARC DESTINEE A UN DISJONCTEUR ET DOTEE D'UNE MEILLEURE COMPRESSION D'ARC**

[72] YANG, GUANG, US  
[73] SIEMENS INDUSTRY, INC., US  
[85] 2012-09-20  
[86] 2010-03-23 (PCT/US2010/028312)  
[87] (WO2011/119148)  
[30] US (12/728,820) 2010-03-22

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[13] C

[25] EN  
[54] **SYSTEMS AND METHODS FOR REGULATING FUEL CELL AIR FLOW DURING LOW LOADS OR COLD TEMPERATURE OPERATION**

[54] **SYSTEMES ET PROCEDES DE REGULATION D'UN FLUX D'AIR DE PILES A COMBUSTIBLE PENDANT UN FONCTIONNEMENT A FAIBLE CHARGE OU A BASSE TEMPERATURE**

[72] SKINKLE, DAVID W., US  
[73] IDATECH, LLC, US  
[85] 2012-10-17  
[86] 2011-05-02 (PCT/US2011/034730)  
[87] (WO2011/142993)  
[30] US (61/333,350) 2010-05-11  
[30] US (13/097,350) 2011-04-29

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[11] **2,798,644**  
[13] C

[51] **Int.Cl. G01M 7/02 (2006.01) B64D 43/00 (2006.01) B64F 5/00 (2006.01) G01M 17/00 (2006.01)**

[25] EN  
[54] **A METHOD FOR IN-FLIGHT ASSESSMENT OF FREEDOM FROM FLUTTER OF AN AIRPLANE**

[54] **UNE METHODE POUR L'EVALUATION EN VOL DE LA LIBERTE D'UN BATTEMENT D'UN AERONEF**

[72] NIEPOKOLCZYCKI, ANTONI, PL  
[72] LENORT, FRANCISZEK, PL  
[72] KROLIKOWSKI, ROBERT, PL  
[72] SZMIDT, MICHAL, PL  
[72] KUCIO, PAWEL, PL  
[73] INSTYTUT LOTNICTWA W WARSZAWIE, PL

[86] (2798644)  
[87] (2798644)  
[22] 2012-12-11  
[30] EP (11461543.8) 2011-12-16

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[13] C

[51] **Int.Cl. B62D 37/02 (2006.01) B60P 7/00 (2006.01) B62D 35/00 (2006.01)**

[25] EN  
[54] **DEVICES AND METHODS FOR REDUCING VEHICLE DRAG**

[54] **DISPOSITIFS ET PROCEDES DE REDUCTION DE TRAINEE DE VEHICULE**

[72] HENDERSON, MICHAEL LORENZO, US  
[72] WULFF, STEPHEN ALFRED, US  
[73] SMARTTRUCK SYSTEMS, LLC, US  
[85] 2012-12-03  
[86] 2011-06-01 (PCT/US2011/038682)  
[87] (WO2011/153185)  
[30] US (12/791,302) 2010-06-01

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[13] C

[51] **Int.Cl. B64C 29/00 (2006.01) B64C 27/08 (2006.01) B64C 27/12 (2006.01) B64D 41/00 (2006.01)**

[25] EN  
[54] **PERSONAL AIRCRAFT**

[54] **AVION PERSONNEL**

[72] KROO, ILAN, US  
[73] ZEE.AERO INC., US  
[85] 2013-01-11  
[86] 2011-07-19 (PCT/US2011/044591)  
[87] (WO2012/012474)  
[30] US (61/365,761) 2010-07-19

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[13] C

[51] **Int.Cl. C22C 38/38 (2006.01) C22C 38/06 (2006.01) C23C 2/40 (2006.01) C25D 7/00 (2006.01)**

[25] EN  
[54] **HIGH-STRENGTH, COLD-FORMABLE STEEL AND FLAT STEEL PRODUCT MADE FROM SUCH STEEL**

[54] **ACIER HAUTE RESISTANCE FORME A FROID ET PRODUIT D'ACIER PLAT FAIT D'UN TEL ACIER**

[72] BECKER, JENS-ULRIK, DE  
[72] GOEKLUE, SINASI, DE  
[72] HOFMANN, HARALD, DE  
[72] HOECKLING, CHRISTIAN, DE  
[72] SCHIRMER, MATTHIAS, DE  
[72] THOMAS, INGO, DE  
[73] THYSSENKRUPP STEEL EUROPE AG, DE

[85] 2012-12-10  
[86] 2011-07-01 (PCT/EP2011/061154)  
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[30] EP (10168353.0) 2010-07-02

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[13] C

[51] **Int.Cl. G05B 19/418 (2006.01)**

[25] EN  
[54] **METHOD, SYSTEM, AND APPARATUS FOR COMMUNICATING USING MULTIPLE CONTROLLERS**

[54] **PROCEDE, SYSTEME ET APPAREIL PERMETTANT DE COMMUNIQUER A L'AIDE DE MULTIPLES ORGANES DE COMMANDE**

[72] LUECKENBACH, WILLIAM H., US  
[72] PRATT, GARY, US  
[72] TONNO, GIOVANNI, IT  
[72] YOENSKY, MICHAEL, US  
[73] GE INTELLIGENT PLATFORMS, INC., US

[85] 2013-01-03  
[86] 2011-06-22 (PCT/US2011/041358)  
[87] (WO2012/009112)  
[30] US (12/836,346) 2010-07-14

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[13] C

[51] **Int.Cl. B65D 90/12 (2006.01) E04H 12/12 (2006.01)**  
[25] EN  
[54] **PROTECTIVE FOOT FOR A UNIT LOAD, IN PARTICULAR CONCRETE TOWER SEGMENTS**  
[54] **PIED DE PROTECTION POUR UNE PIECE, EN PARTICULIER DES SEGMENTS DE TOUR EN BETON**  
[72] ALBRECHTS, HARALD, DE  
[73] WOBLEN PROPERTIES GMBH, DE  
[85] 2013-01-08  
[86] 2011-07-25 (PCT/EP2011/062703)  
[87] (WO2012/010710)  
[30] DE (10 2010 038 311.2) 2010-07-23

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[11] **2,804,814**  
[13] C

[51] **Int.Cl. B65B 3/00 (2006.01) A61J 1/05 (2006.01) B65B 55/02 (2006.01) A61M 5/32 (2006.01)**  
[25] EN  
[54] **MANUFACTURING PROCESS FOR PACKING OF INJECTABLES**  
[54] **PROCESSUS DE FABRICATION POUR EMBALLAGE DE PREPARATIONS INJECTABLES**  
[72] NICOLETTI, FABIANO, IT  
[72] ANDREASSON, CHRISTER, US  
[73] STEVANATO GROUP INTERNATIONAL A.S., SK  
[73] SAFETY SYRINGES, INC., US  
[85] 2013-01-09  
[86] 2010-07-16 (PCT/EP2010/060332)  
[87] (WO2012/007056)

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[13] C

[51] **Int.Cl. F02M 27/02 (2006.01) F02B 51/02 (2006.01) F02M 31/16 (2006.01)**  
[25] EN  
[54] **COOLANT-TO-CATALYST FUEL MODIFICATION METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE MODIFICATION DE CARBURANT PAR ECOULEMENT DE LIQUIDE DE REFROIDISSEMENT VERS LE CATALYSEUR**  
[72] TAUCHER, SCOTT, US  
[73] CATALYZED FUEL TECHNOLOGIES, L.L.C., US  
[85] 2013-01-14  
[86] 2011-07-14 (PCT/US2011/044086)  
[87] (WO2012/009582)  
[30] US (61/364,132) 2010-07-14

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[11] **2,805,897**  
[13] C

[51] **Int.Cl. H04L 1/22 (2006.01) H04W 24/00 (2009.01) H04W 28/04 (2009.01) H04W 88/02 (2009.01) H03M 13/09 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR IMPLICIT USER EQUIPMENT IDENTIFICATION**  
[54] **METHODE ET SYSTEME POUR L'IDENTIFICATION IMPLICITE DE L'EQUIPEMENT D'UN USAGER**  
[72] BOLOURCHI, NADER, US  
[72] TERRY, STEPHEN E., US  
[72] DICK, STEPHEN G., US  
[73] INTEL CORPORATION, US  
[86] (2805897)  
[87] (2805897)  
[22] 2002-05-08  
[62] 2,628,685  
[30] US (60/290740) 2001-05-14  
[30] US (60/314993) 2001-08-24  
[30] US (60/345358) 2001-10-25  
[30] US (10/035771) 2001-12-26

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[11] **2,806,175**  
[13] C

[51] **Int.Cl. F01D 17/08 (2006.01) F01D 21/00 (2006.01) F01D 25/18 (2006.01) G01M 15/14 (2006.01) G01N 21/41 (2006.01)**  
[25] EN  
[54] **FLUID DETECTION IN TURBINE ENGINE COMPONENTS**  
[54] **DETECTION DE FLUIDE DANS DES COMPOSANTS DE MOTEUR A TURBINE**  
[72] BALEINE, ERWAN, US  
[73] SIEMENS ENERGY, INC., US  
[85] 2013-01-21  
[86] 2011-06-24 (PCT/US2011/041799)  
[87] (WO2012/012096)  
[30] US (12/841,305) 2010-07-22

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[11] **2,806,714**  
[13] C

[51] **Int.Cl. B22F 1/00 (2006.01) B82B 1/00 (2006.01)**  
[25] EN  
[54] **NANOMATRIX METAL COMPOSITE**  
[54] **COMPOSITE DE METAL DE NANOMATRICE**  
[72] XU, ZHIYUE, US  
[72] CHAKRABORTY, SOMA, US  
[72] AGRAWAL, GAURAV, US  
[73] BAKER HUGHES INCORPORATED, US  
[85] 2013-01-25  
[86] 2011-07-06 (PCT/US2011/043036)  
[87] (WO2012/015567)  
[30] US (12/847,594) 2010-07-30

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[11] **2,807,882**  
[13] C

[51] **Int.Cl. E21B 17/10 (2006.01)**  
[25] EN  
[54] **ABRASION RESISTANCE IN WELL FLUID WETTED ASSEMBLIES**  
[54] **RESISTANCE A L'ABRASION DANS LES ENSEMBLES IMMERGES DANS DES FLUIDES DE PUIITS**  
[72] TETZLAFF, STEVEN KEITH, US  
[72] WALTON, FREDDIE GEORGE, US  
[72] JOLLY, DAVID THOMAS, US  
[72] JAYARAM, SHIV, US  
[73] SUMMIT ESP, LLC, US  
[86] (2807882)  
[87] (2807882)  
[22] 2013-02-28  
[30] US (61/650,030) 2012-05-22  
[30] US (13/777,870) 2013-02-26

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[13] C

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/26 (2006.01)**  
[25] EN  
[54] **METHODS FOR COMPLETING MULTI-ZONE PRODUCTION WELLS USING SLIDING SLEEVE VALVE ASSEMBLY**  
[54] **PROCEDES PERMETTANT DE CONDITIONNER DES PUIITS DE PRODUCTION A PLUSIEURS ZONES EN UTILISANT UN ENSEMBLE SOUPE A MANCHON COULISSANT**  
[72] GANGULY, PARTHA, US  
[72] HUH, MICHAEL, US  
[72] DANOS, JAKE, US  
[72] STAMM, BRYAN, US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2013-02-15  
[86] 2011-08-30 (PCT/US2011/049764)  
[87] (WO2012/030843)  
[30] US (61/378,736) 2010-08-31

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[13] C

[51] **Int.Cl. F16D 65/00 (2006.01) B60T 17/00 (2006.01) F16C 3/02 (2006.01)**  
[25] EN  
[54] **BRAKE SYSTEM COMPONENT AXLE MOUNT**  
[54] **SUPPORT D'ESSIEU DE COMPOSANT DE SYSTEME DE FREINAGE**  
[72] FULTON, R. SCOTT, US  
[72] WESTNEDGE, ANDREW, US  
[72] RUBALSKIY, DMITRIY, US  
[72] KEELER, MICHAEL, US  
[72] PIERCE, PHILLIPPI, US  
[73] HENDRICKSON USA, L.L.C., US  
[85] 2013-03-21  
[86] 2011-09-30 (PCT/US2011/054170)  
[87] (WO2012/044906)  
[30] US (61/388,285) 2010-09-30

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[13] C

[51] **Int.Cl. E21B 49/00 (2006.01) E21B 7/04 (2006.01) E21B 47/02 (2006.01) E21B 49/08 (2006.01)**  
[25] EN  
[54] **FORMATION SENSING AND EVALUATION DRILL**  
[54] **FOREUSE DE DETECTION ET D'EVALUATION DE FORMATIONS**  
[72] KUMAR, SUNIL, DE  
[72] JOHN, HENDRIK, DE  
[73] BAKER HUGHES INCORPORATED, US  
[85] 2013-04-04  
[86] 2011-09-28 (PCT/US2011/053622)  
[87] (WO2012/047693)  
[30] US (61/389,978) 2010-10-05  
[30] US (13/246,622) 2011-09-27

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[13] C

[51] **Int.Cl. F24H 4/04 (2006.01) F24H 1/18 (2006.01) F24H 9/00 (2006.01)**  
[25] EN  
[54] **ENDOTHERMIC BASE-MOUNTED HEAT PUMP WATER HEATER**  
[54] **CHAUFFE-EAU A POMPE A CHALEUR MONTE SUR UNE BASE ENDOTHERMIQUE**  
[72] BABB, JEREMY LEE, US  
[72] MCKIM, PAUL D., US  
[73] RHEEM MANUFACTURING COMPANY, US  
[86] (2815500)  
[87] (2815500)  
[22] 2013-04-25  
[30] US (61/638,968) 2012-04-26  
[30] US (13/787,914) 2013-03-07

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[11] **2,818,638**  
[13] C

[51] **Int.Cl. B29C 35/02 (2006.01) B64F 5/00 (2006.01)**  
[25] EN  
[54] **PORTABLE CURING SYSTEM**  
[54] **SYSTEME DE CUISSON PORTATIF**  
[72] SCHMIER, MARK A., II, US  
[72] JONES, GARY, US  
[73] THE BOEING COMPANY, US  
[86] (2818638)  
[87] (2818638)  
[22] 2013-06-11  
[30] US (13/586,032) 2012-08-15

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[11] **2,819,589**  
[13] C

[51] **Int.Cl. B62D 7/16 (2006.01) B62D 9/00 (2006.01)**  
[25] EN  
[54] **SHORT TURN RADIUS STEERING SYSTEM**  
[54] **SYSTEME DE DIRECTION A RAYON DE BRAQUAGE SERRE**  
[72] BURNS, DUNCAN, JR., US  
[73] HUSQVARNA AB, SE  
[85] 2013-05-31  
[86] 2010-12-28 (PCT/US2010/062249)  
[87] (WO2012/091699)

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[13] C

[51] **Int.Cl. A61L 31/18 (2006.01) A61K 49/04 (2006.01) A61L 31/04 (2006.01) C07H 17/02 (2006.01) C08L 101/12 (2006.01) C08L 101/16 (2006.01)**  
[25] EN  
[54] **RADIOGRAPHIC CONTRASTING AGENTS AND RADIO-OPAQUE POLYMERIC MATERIALS FOR MEDICAL DEVICES**  
[54] **AGENTS DE CONTRASTE RADIOGRAPHIQUE ET MATERIAUX POLYMERIQUES RADIO-OPAIQUES POUR DISPOSITIFS MEDICAUX**  
[72] ZHAO, JONATHAN Z., US  
[73] CORDIS CORPORATION, US  
[86] (2820238)  
[87] (2820238)  
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[62] 2,570,410  
[30] US (11/301,874) 2005-12-13



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[25] EN  
[54] **PHOTOCHROMIC COMPOUNDS AND COMPOSITIONS**  
[54] **COMPOSES ET COMPOSITIONS PHOTOCHROMES**  
[72] HE, MENG, US  
[72] DABIDEEN, DARRIN R., US  
[72] MONDAL, SUJIT, US  
[72] DAI, XIAO-MAN, US  
[72] XU, RUISONG, US  
[72] XIAO, WENJING, US  
[72] TOMASULO, MASSILIANO, US  
[72] YU, HUAYUN, US  
[72] CHOPRA, ANU, US  
[72] KUMAR, ANIL, US  
[73] TRANSITIONS OPTICAL, INC., US  
[85] 2013-06-05  
[86] 2011-12-15 (PCT/US2011/065104)  
[87] (WO2012/082999)  
[30] US (61/459,634) 2010-12-16  
[30] US (13/325,285) 2011-12-14

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[11] **2,822,015**  
[13] C

[51] **Int.Cl. A61M 1/16 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR DETECTING OR VERIFYING A BLOOD CIRCUIT CONNECTED TO AN EXTRACORPOREAL BLOOD TREATMENT CONSOLE**  
[54] **PROCEDE ET SYSTEME DE DETECTION OU DE VERIFICATION D'UN CIRCUIT SANGUIN RELIE A UNE CONSOLE DE TRAITEMENT SANGUIN EXTRACORPOREL**  
[72] PAOLINI, FRANCESCO, IT  
[72] ROVATTI, PAOLO, IT  
[73] GAMBRO LUNDIA AB, SE  
[85] 2013-06-17  
[86] 2011-12-21 (PCT/IB2011/003103)  
[87] (WO2012/085644)  
[30] US (61/426,214) 2010-12-22  
[30] EP (10015918.5) 2010-12-22

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[13] C

[51] **Int.Cl. G06F 15/16 (2006.01) G06F 13/14 (2006.01)**  
[25] EN  
[54] **DISTRIBUTED CACHE FOR GRAPH DATA**  
[54] **CACHE REPARTI POUR DONNEES GRAPHIQUES**  
[72] VENKATARAMANI, VENKATESHWARAN, US  
[73] FACEBOOK, INC., US  
[85] 2013-06-26  
[86] 2011-11-30 (PCT/US2011/062609)  
[87] (WO2012/091846)  
[30] US (61/428,799) 2010-12-30  
[30] US (13/227,381) 2011-09-07

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[13] C

[51] **Int.Cl. G10H 1/00 (2006.01) G10K 15/02 (2006.01) H04N 5/93 (2006.01) H04N 7/173 (2011.01)**  
[25] EN  
[54] **AUTOMATIC MUSICAL PERFORMANCE DEVICE**  
[54] **DISPOSITIF D'EXECUTION MUSICALE AUTOMATIQUE**  
[72] UEHARA, HARUKI, JP  
[72] OKUYAMA, FUKUTARO, JP  
[72] YOKOYAMA, TARO, JP  
[72] MATAHIRA, KENJI, JP  
[73] YAMAHA CORPORATION, JP  
[85] 2013-07-04  
[86] 2011-01-07 (PCT/JP2011/050222)  
[87] (WO2012/093497)

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[11] **2,824,110**  
[13] C

[51] **Int.Cl. G09G 5/393 (2006.01) G06T 1/00 (2006.01)**  
[25] EN  
[54] **COMPOSITION MANAGER CAMERA**  
[54] **CAMERA A GESTIONNAIRE DE COMPOSITION**  
[72] BELANGER, ETIENNE, CA  
[72] NITA, ADRIAN, CA  
[72] BOAK, ADRIAN, CA  
[72] VAN REENEN, MICHAEL ALEXANDER, CA  
[72] GRAHAM, NEIL JOHN, CA  
[73] 2236008 ONTARIO INC., CA  
[86] (2824110)  
[87] (2824110)  
[22] 2013-08-16  
[30] EP (12181384.4) 2012-08-22

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[13] C

[51] **Int.Cl. F16L 55/179 (2006.01) B29C 63/34 (2006.01) F16L 55/165 (2006.01) F16L 55/18 (2006.01)**  
[25] EN  
[54] **METHOD AND ARRANGEMENT FOR TREATMENT OF LINER SLEEVE**  
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT D'UN MANCHON DE GARNITURE INTERIEURE**  
[72] LOKKINEN, MIKA, FI  
[73] PICOTE OY LTD, FI  
[85] 2013-07-18  
[86] 2011-05-03 (PCT/FI2011/050403)  
[87] (WO2011/138508)  
[30] FI (20105480) 2010-05-04

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[11] **2,825,208**  
[13] C

[51] **Int.Cl. E21B 19/14 (2006.01)**  
[25] EN  
[54] **IMPACT ABSORBING ACCESS PLATFORM FOR DRILLING STRUCTURES**  
[54] **PLATEFORME D'ACCES ABSORBANT LES CHOCS POUR STRUCTURES DE FORAGE**  
[72] YATER, RONALD WILLIAM, US  
[72] WINTER, BRIAN DANIEL, US  
[73] NATIONAL OILWELL VARCO, L.P., US  
[85] 2013-07-18  
[86] 2012-02-09 (PCT/US2012/024415)  
[87] (WO2012/109409)  
[30] US (61/440,966) 2011-02-09  
[30] US (13/369,044) 2012-02-08

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[11] **2,827,009**  
[13] C

[51] **Int.Cl. G01M 13/02 (2006.01)**  
[25] EN  
[54] **WEAR-MONITORING OF A GEARBOX IN A POWER STATION**  
[54] **CONTROLE DE L'USURE D'UNE BOITE DE VITESSES DANS UNE CENTRALE ELECTRIQUE**  
[72] PETERSSON, BO, GB  
[73] HEXAGON TECHNOLOGY CENTER GMBH, CH  
[85] 2013-08-09  
[86] 2012-03-09 (PCT/EP2012/054095)  
[87] (WO2012/123351)  
[30] EP (11157943.9) 2011-03-11

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[13] C

[51] **Int.Cl. C10G 31/09 (2006.01) B01D 15/08 (2006.01) C10G 3/00 (2006.01)**

[25] EN

[54] **METHODS AND APPARATUSES FOR FORMING LOW-METAL BIOMASS-DERIVED PYROLYSIS OIL**

[54] **PROCEDES ET APPAREILS POUR FORMER UNE HUILE DE PYROLYSE ISSUE D'UNE BIOMASSE A FAIBLE TENEUR EN METAUX**

[72] FREY, STANLEY JOSEPH, US  
[72] GATTUPALLI, RAJESWAR, US  
[72] BRANDVOLD, TIMOTHY A., US  
[73] UOP LLC, US  
[85] 2013-09-11  
[86] 2012-05-22 (PCT/US2012/038955)  
[87] (WO2012/173748)  
[30] US (13/162,188) 2011-06-16

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[13] C

[51] **Int.Cl. F23D 14/02 (2006.01) B01D 1/00 (2006.01)**

[25] EN

[54] **GAS FIRED MODULATING WATER HEATING APPLIANCE WITH DUAL COMBUSTION AIR PREMIX BLOWERS**

[54] **APPAREIL DE CHAUFFAGE D'EAU A MODULATION AU GAZ AVEC SOUFFLEURS A PREMELANGE D'AIR DE COMBUSTION DOUBLE**

[72] SMELCER, JIM C., US  
[73] LOCHINVAR, LLC, US  
[86] (2830091)  
[87] (2830091)  
[22] 2009-07-06  
[62] 2,738,751  
[30] US (12/252,841) 2008-10-16

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[13] C

[51] **Int.Cl. A61B 17/22 (2006.01) A61B 17/50 (2006.01) A61N 1/05 (2006.01)**

[25] EN

[54] **DEVICE FOR PREPARING AN IMPLANTED MEDICAL APPARATUS FOR EXTRACTION**

[54] **DISPOSITIF POUR PREPARER UN APPAREIL MEDICAL IMPLANTE AUX FINS D'UNE EXTRACTION**

[72] GOODE, LOUIS B., US  
[72] LUI, CHUN KEE, US  
[72] EMMERT, MICHAEL WAYNE, US  
[72] BOOKER, ROBERT, US  
[73] COOK MEDICAL TECHNOLOGIES LLC, US  
[86] (2833408)  
[87] (2833408)  
[22] 2013-11-14  
[30] US (13/716,975) 2012-12-17

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[11] **2,834,029**  
[13] C

[51] **Int.Cl. H04M 1/02 (2006.01) H04M 3/56 (2006.01) H04R 1/02 (2006.01) H05K 7/20 (2006.01)**

[25] EN

[54] **CONFERENCE DEVICE**

[54] **DISPOSITIF DE CONFERENCE**

[72] SHIDA, HARUO, JP  
[72] HAYASHI, NOBUTAKE, JP  
[72] ODANAKA, SATOSHI, JP  
[73] RICOH COMPANY, LIMITED, JP  
[85] 2013-10-22  
[86] 2012-04-26 (PCT/JP2012/061694)  
[87] (WO2012/147993)  
[30] JP (2011-101685) 2011-04-28

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[11] **2,836,745**  
[13] C

[51] **Int.Cl. C02F 1/40 (2006.01) C02F 9/02 (2006.01) C10G 1/00 (2006.01)**

[25] EN

[54] **SYSTEM FOR AND METHOD OF SEPARATING OIL AND PARTICLES FROM PRODUCED WATER OR FRACTURING WATER**

[54] **SYSTEME ET PROCEDE DE SEPARATION DE L'HUILE ET DES PARTICULES DE L'EAU PRODUITE OU EAU DE FRACTURATION**

[72] HANSEN, THOMAS EILKAER, CA  
[72] LINDSTROM-LANG, STEEN, DK  
[72] FRISENBORG, SOREN MARKER, DK  
[72] JENSEN, THOMAS, DK  
[72] ALHAMALAWI, RAMI, DK  
[72] JAKOBSEN, KENNETH STEGMANN, DK  
[72] KJAER, JENS HUSTED, CA  
[73] ORECO A/S, DK  
[86] (2836745)  
[87] (2836745)  
[22] 2013-12-17  
[30] CA (2,799,017) 2012-12-18  
[30] DK (PA201370086) 2013-02-15

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[11] **2,837,049**  
[13] C

[51] **Int.Cl. C22C 38/06 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01)**

[25] EN

[54] **COLD-ROLLED STEEL SHEET AND METHOD FOR PRODUCING SAME**

[54] **FEUILLE D'ACIER LAMINEE A FROID ET PROCEDE DE FABRICATION DE CELUI-CI**

[72] TODA, YURI, JP  
[72] OKAMOTO, RIKI, JP  
[72] FUJITA, NOBUHIRO, JP  
[72] SANO, KOHICHI, JP  
[72] YOSHIDA, HIROSHI, JP  
[72] OGAWA, TOSHIO, JP  
[72] HAYASHI, KUNIO, JP  
[72] NAKANO, KAZUAKI, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2013-11-21  
[86] 2012-05-24 (PCT/JP2012/063261)  
[87] (WO2012/161241)  
[30] JP (2011-117432) 2011-05-25

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[13] C

[51] **Int.Cl. H04R 3/00 (2006.01) G06F 3/16 (2006.01) G06F 13/38 (2006.01) H01R 31/06 (2006.01)**

[25] EN

[54] **AUDIO SIGNAL RECEIVING DEVICE AND SYSTEM FOR TRANSMITTING AUDIO SIGNAL**

[54] **DISPOSITIF DE RECEPTION DE SIGNAUX AUDIO ET SYSTEME DE TRANSMISSION DE SIGNAUX AUDIO**

[72] LI, DONGSHENG, CN

[73] TENDYRON CORPORATION, CN

[85] 2013-12-18

[86] 2012-06-15 (PCT/CN2012/077044)

[87] (WO2012/175005)

[30] CN (201110169458.6) 2011-06-22

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[13] C

[51] **Int.Cl. C12M 1/38 (2006.01) B01L 7/00 (2006.01) C12P 19/34 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **THERMAL CONVECTION POLYMERASE CHAIN REACTION DEVICE**

[54] **DISPOSITIF DE REACTION EN CHAINE DE LA POLYMERASE A CONVECTION THERMIQUE**

[72] SU, CHENG, CN

[72] TENG, PING HUA, CN

[73] GENEREACH BIOTECHNOLOGY CORP., CN

[85] 2014-05-22

[86] 2011-07-01 (PCT/CN2011/001093)

[87] (WO2013/003976)

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[11] **2,846,783**  
[13] C

[51] **Int.Cl. H04H 60/71 (2009.01) H04H 20/31 (2009.01) H04H 20/59 (2009.01) H04H 60/51 (2009.01) H04B 1/16 (2006.01)**

[25] EN

[54] **EMERGENCY RADIOS**

[54] **RADIOS DE SECOURS**

[72] DEVLING, DANIEL M., US

[72] FREE, DAVID KIM, US

[72] FEURT, THOMAS S., US

[73] MIDLAND RADIO CORPORATION, US

[86] (2846783)

[87] (2846783)

[22] 2014-03-14

[30] US (13/836,485) 2013-03-15

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[11] **2,848,264**  
[13] C

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

[25] EN

[54] **CONTROL OF PARTICULATE ENTRAINMENT BY FLUIDS**

[54] **REDUCTION DE L'ENTRAINEMENT PARTICULAIRE PAR DES FLUIDES**

[72] ZHANG, KEWEI, CA

[73] TRICAN WELL SERVICE LTD., CA

[86] (2848264)

[87] (2848264)

[22] 2008-04-25

[62] 2,684,966

[30] US (60/924,006) 2007-04-26

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[11] **2,848,460**  
[13] C

[51] **Int.Cl. F16M 11/20 (2006.01)**

[25] EN

[54] **FRICTION ADJUSTMENT MECHANISM FOR A SUPPORT APPARATUS**

[54] **MECANISME DE REGLAGE DU FROTTEMENT POUR UN APPAREIL DE SUPPORT**

[72] SAPPER, RICHARD, IT

[72] SNYDER, RONALD, US

[73] KNOLL, INC., US

[85] 2014-03-12

[86] 2012-08-27 (PCT/US2012/052440)

[87] (WO2013/043313)

[30] US (61/538,327) 2011-09-23

[30] US (13/593,807) 2012-08-24

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[11] **2,848,729**  
[13] C

[51] **Int.Cl. B62D 65/12 (2006.01) B62D 65/18 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PROCESSING A TIRE-WHEEL ASSEMBLY**

[54] **SYSTEME ET PROCEDE DE TRAITEMENT D'UN ENSEMBLE PNEU-ROUE**

[72] LAWSON, LAWRENCE J., US

[72] CLARK, BARRY ALLAN, US

[72] REECE, ROBERT, US

[72] NIAZY, RAMSEY RICHARD, US

[73] ANDROID INDUSTRIES LLC, US

[85] 2014-03-13

[86] 2012-09-14 (PCT/US2012/055403)

[87] (WO2013/040348)

[30] US (61/535,745) 2011-09-16

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[11] **2,850,677**  
[13] C

[51] **Int.Cl. A47C 7/46 (2006.01) A47C 1/024 (2006.01) A47C 7/40 (2006.01)**

[25] EN

[54] **CHAIR BACK WITH LUMBAR AND PELVIC SUPPORTS**

[54] **DOSSIER DE FAUTEUIL EQUIPE DE SUPPORTS POUR LES LOMBAIRES ET LE BASSIN**

[72] BELLINGAR, TERESA, US

[72] BEYER, PETE J., US

[72] WILKERSON, LARRY A., US

[72] WILLETTE, JOE, US

[73] HAWORTH, INC., US

[86] (2850677)

[87] (2850677)

[22] 2006-03-01

[62] 2,600,312

[30] US (60/657,312) 2005-03-01

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[11] **2,851,604**  
[13] C

[51] **Int.Cl. C21C 5/28 (2006.01) C21C 5/52 (2006.01) F27D 15/00 (2006.01)**

[25] EN

[54] **METHOD OF REDUCTION PROCESSING OF STEEL-MAKING SLAG**

[54] **PROCEDE DE REDUCTION DES SCORIES D'ACIER**

[72] HARADA, TOSHIYA, JP

[72] ARAI, TAKASHI, JP

[72] HIRATA, HIROSHI, JP

[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2014-04-09

[86] 2013-06-27 (PCT/JP2013/067665)

[87] (WO2014/003123)

[30] JP (2012-144473) 2012-06-27

[30] JP (2012-144557) 2012-06-27

[30] JP (2012-235692) 2012-10-25

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[13] C

[51] **Int.Cl. E21B 23/08 (2006.01) E21B 47/01 (2012.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR DUAL INSTRUMENT INSTALLATION IN A WELLBORE**  
[54] **PROCEDE ET APPAREIL POUR INSTALLATION D'INSTRUMENTS DOUBLES DANS UN Puits DE FORAGE**  
[72] BUJOLD, MAURICE A., CA  
[72] MACDONALD, JUSTIN DAVID, CA  
[72] LOKSZYN, SHANE DANIEL, CA  
[73] ATHABASCA OIL CORPORATION, CA  
[86] (2863486)  
[87] (2863486)  
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[30] US (61/880,071) 2013-09-19

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[11] **2,865,500**  
[13] C

[51] **Int.Cl. B22D 11/115 (2006.01) B22D 11/04 (2006.01)**  
[25] EN  
[54] **ELECTROMAGNETIC STIRRER AND CONTINUOUS CASTING METHOD**  
[54] **APPAREIL DE DIRECTION ELECTROMAGNETIQUE ET PROCEDE DE COULEE CONTINUE**  
[72] IKEDA, TATSUHIKO, JP  
[72] OKADA, NOBUHIRO, JP  
[72] HAYASHI, HIROSHI, JP  
[72] YAMAZAKI, MASAHIRO, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2014-08-25  
[86] 2013-08-27 (PCT/JP2013/072861)  
[87] (WO2014/034658)  
[30] JP (2012-188933) 2012-08-29

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[11] **2,866,088**  
[13] C

[51] **Int.Cl. G06K 9/00 (2006.01) B61K 9/08 (2006.01)**  
[25] EN  
[54] **AUTOMATED TRACK SURVEYING AND DITCH MAINTENANCE**  
[54] **EXAMEN ET REALISATION DE FOSSE DE VOIE AUTOMATIQUES**  
[72] LANDES, NATHAN A., US  
[72] BOUNDS, IVAN E., US  
[73] HERZOG RAILROAD SERVICES, INC., US  
[85] 2014-08-29  
[86] 2013-02-28 (PCT/US2013/028157)  
[87] (WO2013/130708)  
[30] US (61/605,307) 2012-03-01  
[30] US (13/778,831) 2013-02-27

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[11] **2,873,558**  
[13] C

[51] **Int.Cl. H02K 21/12 (2006.01) H02K 16/00 (2006.01)**  
[25] EN  
[54] **ENERGY CONVERSION DEVICE**  
[54] **DISPOSITIF DE CONVERSION D'ENERGIE**  
[72] KAMIBAYASHI, KATSUYUKI, JP  
[73] KAMIBAYASHI, KATSUYUKI, JP  
[85] 2014-10-30  
[86] 2013-06-21 (PCT/JP2013/067070)  
[87] (WO2014/007078)  
[30] JP (2012-149226) 2012-07-03

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[11] **2,874,240**  
[13] C

[51] **Int.Cl. G01T 1/10 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR FAST DETERMINATION OF UNKNOWN RADIATION DOSE**  
[54] **PROCEDE ET APPAREIL POUR LA DETERMINATION RAPIDE D'UNE DOSE D'IRRADIATION INCONNUE**  
[72] AKSELROD, MARK S., US  
[72] DILLIN, KENT J., US  
[73] LANDAUER, INC., US  
[85] 2014-11-20  
[86] 2013-06-21 (PCT/IB2013/055115)  
[87] (WO2013/190518)  
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[11] **2,877,759**  
[13] C

[51] **Int.Cl. H02J 13/00 (2006.01) H02J 4/00 (2006.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01) H04L 12/28 (2006.01) H04L 29/06 (2006.01)**  
[25] EN  
[54] **A SYSTEM AND A METHOD OF CONTROLLING A PLURALITY OF DEVICES**  
[54] **SYSTEME ET PROCEDE DE COMMANDE D'UNE PLURALITE DE DISPOSITIFS**  
[72] MORIN, CHARLES, CA  
[72] QUINZ, DANIEL, CA  
[73] SYNAPTIC POWER INC., CA  
[85] 2014-12-23  
[86] 2012-08-02 (PCT/CA2012/000730)  
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[11] **2,878,549**  
[13] C

[51] **Int.Cl. B42D 15/02 (2006.01)**  
[25] EN  
[54] **SECURE IDENTIFICATION DOCUMENT WITH ABLATED FOIL ELEMENT**  
[54] **DOCUMENT D'IDENTIFICATION SECURISE AYANT UN ELEMENT DE FEUILLE RETIRE**  
[72] NUGENT, NICHOLAS OLIVER, GB  
[72] WARWICK, DENNIS JAMES, US  
[72] BEECH, BRIAN, US  
[73] ENTRUST DATACARD CORPORATION, US  
[85] 2015-01-07  
[86] 2012-07-12 (PCT/US2012/046376)  
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[13] C

[51] **Int.Cl. A01K 85/00 (2006.01)**  
[25] EN  
[54] **FISHING LURE**  
[54] **LEURRE DE PECHE**  
[72] TSYBULNYK, SERGIY, CA  
[73] TSYBULNYK, SERGIY, CA  
[85] 2015-02-11  
[86] 2013-08-26 (PCT/CA2013/050661)  
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[30] US (61/693,501) 2012-08-27

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[11] **2,882,379**

[13] C

- [51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **API VERSION TESTING BASED ON QUERY SCHEMA**  
[54] **TEST DE VERSION D'API REPOSANT SUR UN SCHEMA DE REQUETE**  
[72] SCHROCK, NICHOLAS HAGE, US  
[72] BYRON, LEE WILLIAMS, US  
[72] SCHAFER, DANIEL L., US  
[73] FACEBOOK, INC., US  
[85] 2015-02-18  
[86] 2013-08-28 (PCT/US2013/056941)  
[87] (WO2014/036055)  
[30] US (13/601,815) 2012-08-31

[11] **2,882,741**

[13] C

- [51] **Int.Cl. H01H 9/54 (2006.01) H01H 47/02 (2006.01) H03K 17/04 (2006.01)**  
[25] EN  
[54] **HIGH SPEED CONTACT CAPABLE OF DETECTING, INDICATING AND PREVENTING MALOPERATION DUE TO INTERNAL FAILURE**  
[54] **CONTACT A HAUTE VITESSE APTÉ A DETECTER, INDIQUER ET EMPECHER UN FONCTIONNEMENT INCORRECT EN RAISON D'UNE DEFAILLANCE INTERNE**  
[72] SCHWEITZER, EDMUND O., III, US  
[72] LEE, TONY J., US  
[73] SCHWEITZER ENGINEERING LABORATORIES, INC., US  
[85] 2015-02-19  
[86] 2013-09-17 (PCT/US2013/060142)  
[87] (WO2014/047057)  
[30] US (13/622,873) 2012-09-19

[11] **2,884,004**

[13] C

- [51] **Int.Cl. H04R 29/00 (2006.01)**  
[25] EN  
[54] **AUDIO SIGNAL ADAPTER DEVICE, INTERFACE DETECTING SYSTEM OF THE SAME AND ELECTRONIC SIGNATURE TOKEN**  
[54] **DISPOSITIF ADAPTATEUR DE SIGNAL AUDIO, SYSTEME DE DETECTION D'INTERFACE DUDIT DISPOSITIF ET JETON DE SIGNATURE ELECTRONIQUE**  
[72] LI, DONGSHENG, CN  
[73] TENDYRON CORPORATION, CN  
[85] 2015-03-03  
[86] 2013-06-14 (PCT/CN2013/077234)  
[87] (WO2014/040435)  
[30] CN (201210340261.9) 2012-09-13

[11] **2,884,789**

[13] C

- [25] EN  
[54] **USE OF FAT COMPOSITIONS FOR SUSTAINING AN ENHANCED PALATABILITY OF PET FOOD OVER TIME**  
[54] **UTILISATION DE COMPOSITIONS A BASE DE MATIERE GRASSE POUR CONSERVER AU FIL DU TEMPS UNE MEILLEURE PALATABILITE A DES ALIMENTS POUR ANIMAUX DOMESTIQUES**  
[72] CALLEJON, LAURENCE, FR  
[72] LEVESQUE, ANNE, FR  
[72] NICERON, CECILE, FR  
[72] LE BRETON, BERNARD, FR  
[73] SPECIALITES PET FOOD, FR  
[85] 2015-03-12  
[86] 2013-09-13 (PCT/EP2013/068998)  
[87] (WO2014/041118)  
[30] US (61/700,689) 2012-09-13  
[30] EP (12306103.8) 2012-09-13

[11] **2,894,429**

[13] C

- [51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **EXTRACT OPERATOR OPERATEUR D'EXTRAIT**  
[72] KUNNATUR, SANDHYA, US  
[72] LASSEN, SOREN BOGH, US  
[72] CURTISS, MICHAEL, US  
[73] FACEBOOK, INC., US  
[85] 2015-06-08  
[86] 2013-12-12 (PCT/US2013/074592)  
[87] (WO2014/099587)  
[30] US (13/723,861) 2012-12-21

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October 25, 2015 to October 31, 2015

## Demandes canadiennes mises à la disponibilité du public

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[13] A1

[51] **Int.Cl. B60N 2/50 (2006.01)**  
[25] EN  
[54] **DRIVING ON A CLOUD**  
[54] **CONDUITE SUR UN NUAGE**  
[72] RANCH, TOM FRANK, CA  
[71] RANCH, TOM FRANK, CA  
[22] 2014-04-29  
[41] 2015-10-29

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[21] **2,849,780**  
[13] A1

[51] **Int.Cl. E02D 5/34 (2006.01) E02D 5/48 (2006.01) E02D 5/54 (2006.01)**  
[25] EN  
[54] **FRICION PILE EXTENSION**  
[54] **RALLONGE DE PIEU FLOTTANT**  
[72] SEELY, CHRISTOPHER D., CA  
[71] C. SEELY ENTERPRISES LTD., CA  
[22] 2014-04-28  
[41] 2015-10-28

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[21] **2,849,828**  
[13] A1

[51] **Int.Cl. A61F 7/00 (2006.01) A61H 39/06 (2006.01)**  
[25] EN  
[54] **METHODS AND DEVICES FOR COOLING CORE BODY TEMPERATURE OF A HUMAN**  
[54] **METHODES ET DISPOSITIFS DE REFROIDISSEMENT DE LA TEMPERATURE GLOBALE D'UN CORPS HUMAIN**  
[72] SAVARD, DANIEL G., CA  
[71] SAVARD, DANIEL G., CA  
[22] 2014-04-25  
[41] 2015-10-25

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[21] **2,849,829**  
[13] A1

[51] **Int.Cl. B66F 5/00 (2006.01) B66F 7/28 (2006.01)**  
[25] EN  
[54] **FLOOR JACK**  
[54] **VERIN A PLANCHER**  
[72] EMSKY, TIM, CA  
[71] SPINEMED SALES INTERNATIONAL LTD., CA  
[22] 2014-04-25  
[41] 2015-10-25

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[21] **2,849,830**  
[13] A1

[51] **Int.Cl. E01H 5/12 (2006.01)**  
[25] EN  
[54] **ICE PULVERIZING KNIFE AND ICE PULVERIZING DEVICE COMPRISING AN ICE PULVERIZING KNIFE**  
[54] **COUTEAU PULVERISATEUR DE GLACE ET DISPOSITIF DE PULVERISATION DE GLACE COMPORTANT UN COUTEAU PULVERISATEUR DE GLACE**  
[72] CHARBONNEAU, GUY, CA  
[71] 9105-3561 QUEBEC INC., CA  
[22] 2014-04-25  
[41] 2015-10-25

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[21] **2,849,848**  
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/575 (2006.01) E21B 43/267 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR MAKING AQUEOUS SLURRY**  
[54] **COMPOSITIONS ET METHODES DE FABRICATION DE BOUES AQUEUSES**  
[72] ZHANG, KEWEI, CA  
[72] LIU, SHANG YING, CA  
[71] TRICAN WELL SERVICE LTD., CA  
[22] 2014-04-25  
[41] 2015-10-25

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[21] **2,850,069**  
[13] A1

[51] **Int.Cl. F21S 9/03 (2006.01) F21V 31/00 (2006.01)**  
[25] EN  
[54] **IMMERSIBLE SOLAR LIGHT DEVICE**  
[54] **DISPOSITIF D'ECLAIRAGE SOLAIRE SUBMERSIBLE**  
[72] PARROT, JEAN-PIERRE, CA  
[72] CHENGXIONG, LU, CN  
[71] HANKO ELECTRONICS, CN  
[22] 2014-04-29  
[41] 2015-10-29

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[21] **2,850,199**  
[13] A1

[51] **Int.Cl. B65D 90/06 (2006.01)**  
[25] EN  
[54] **TARPAULIN RETRACTION AND EXTENSION DEVICE**  
[54] **DISPOSITIF DE RETRACTION ET D'EXTENSION DE TARPAULIN**  
[72] ROYER, REAL, CA  
[71] ROYER, REAL, CA  
[22] 2014-04-29  
[41] 2015-10-29

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[21] **2,850,201**  
[13] A1

[51] **Int.Cl. E21B 17/10 (2006.01)**  
[25] EN  
[54] **METHOD OF HARDBANDING A TUBULAR COMPONENT AND A TUBULAR COMPONENT HARDBANDED IN ACCORDANCE WITH THE METHOD**  
[54] **METHODE DE CERCLAGE RIGIDE D'UN COMPOSANT TUBULAIRE ET UN COMPOSANT TUBULAIRE CERCLE SOLIDEMENT SELON LA METHODE**  
[72] HAMRE, DOUGLAS J., CA  
[71] APOLLO MACHINE & WELDING LTD., CA  
[22] 2014-04-29  
[41] 2015-10-29

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[21] **2,850,353**  
[13] A1

[51] **Int.Cl. E01F 13/04 (2006.01) E06B 11/00 (2006.01)**  
[25] EN  
[54] **MOTORIZED GATE SYSTEM AND METHOD FOR CONTROLLING SAME**  
[54] **MECANISME DE PORTE MOTORISE ET METHODE DE COMMANDE ASSOCIEE**  
[72] MERCIER, YVAN, CA  
[72] LACHANCE, JEROME, CA  
[71] ATELIERS BOLDUC & FRERES INC., CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,647**  
[13] A1

[51] **Int.Cl. F16L 1/09 (2006.01) B23K 37/053 (2006.01)**  
[25] EN  
[54] **APPARATUS FOR ADJUSTING RELATIVE SPACING OF SECTIONS OF PIPE ARRANGED IN END TO END RELATION**  
[54] **APPAREIL D'AJUSTEMENT D'ESPACEMENT RELATIF DE SECTIONS DE TUYAU DISPOSEES EN RELATION DE BOUT A BOUT**  
[72] ADAMS, KEVIN, CA  
[71] 0961559 BC LTD., CA  
[22] 2014-04-30  
[41] 2015-10-30

[21] **2,850,683**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01)**  
[25] FR  
[54] **BIDIRECTIONAL RECHARGING SYSTEM FOR ELECTRIC VEHICLE**  
[54] **SYSTEME DE RECHARGE BIDIRECTIONNEL POUR VEHICULE ELECTRIQUE**  
[72] LAGACE, MARIN, CA  
[72] LAMBERT, GHISLAIN, CA  
[72] DUPRE, JEAN-LUC, ZZ  
[72] VENNE, PHILIPPE, ZZ  
[72] ZAGHIB, KARIM, CA  
[71] HYDRO-QUEBEC, CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,365**  
[13] A1

[51] **Int.Cl. B63B 35/28 (2006.01) B63B 1/10 (2006.01)**  
[25] FR  
[54] **CATAMARAN BARGE COUPLED TO A CENTRAL PUSH BOAT**  
[54] **BARGE CATAMARAN COUPLEE A UN NAVIRE-POUSSEUR CENTRAL**  
[72] BOLDUC, JEAN-PIERRE, CA  
[71] BOLDUC, JEAN-PIERRE, CA  
[22] 2014-04-30  
[41] 2015-10-30

[21] **2,850,673**  
[13] A1

[51] **Int.Cl. E06B 9/42 (2006.01)**  
[25] EN  
[54] **LOCKING TENSIONER FOR A ROLLER BLIND**  
[54] **MECANISME TENDEUR BLOQUANT POUR STORE ENROULEUR**  
[72] NG, PHILIP, CA  
[71] ZMC METAL COATING INC., CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,684**  
[13] A1

[51] **Int.Cl. H02J 7/00 (2006.01) B60L 11/18 (2006.01) B60R 16/02 (2006.01) H02J 5/00 (2006.01) H02J 7/02 (2006.01)**  
[25] FR  
[54] **BIDIRECTIONAL RECHARGING SYSTEM FOR ELECTRIC VEHICLE**  
[54] **SYSTEME DE RECHARGE BIDIRECTIONNEL POUR VEHICULE ELECTRIQUE**  
[72] GIUMENTO, ANGELLO, ZZ  
[72] LAMBERT, GHISLAIN, CA  
[72] LECOURTOIS, ERIC, ZZ  
[72] LAVOIE, SAMUEL, CA  
[72] ZAGHIB, KERIM, CA  
[71] HYDRO-QUEBEC, CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,645**  
[13] A1

[51] **Int.Cl. G06Q 50/20 (2012.01) G09B 5/12 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR ASSOCIATING A RESOURCE WITH A COURSE**  
[54] **SYSTEME ET METHODE D'ASSOCIATION D'UNE RESSOURCE A UN COURS**  
[72] AUGER, JEREMY JASON, CA  
[71] DESIRE2LEARN INCORPORATED, CA  
[22] 2014-04-30  
[41] 2015-10-30

[21] **2,850,675**  
[13] A1

[51] **Int.Cl. A44B 19/30 (2006.01) A45C 5/03 (2006.01) A45C 13/10 (2006.01)**  
[25] EN  
[54] **ZIPPER LOCK AND LOCKABLE LUGGAGE SYSTEM INCLUDING THE SAME**  
[54] **FERMETURE A GLISSIERE ET MECANISME DE FERMETURE DE BAGAGE COMPORTANT LADITE FERMETURE**  
[72] SHEIKH, EMRAN, CA  
[72] EVANGELISTA, ALDEN, CA  
[71] HEYS INTERNATIONAL LTD., CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,703**  
[13] A1

[51] **Int.Cl. B24D 13/14 (2006.01) B24D 9/08 (2006.01)**  
[25] EN  
[54] **GRINDER SYSTEM WITH REPLACABLE CLAY EMBEDDED DISC**  
[54] **MECANISME DE BROYAGE COMPORTANT UN DISQUE INTEGRE EN ARGILE**  
[72] KARPPINEN, RODNEY J., US  
[72] DUNCAN, SCOTT D., US  
[71] KARPPINEN, RODNEY J., US  
[71] DUNCAN, SCOTT D., US  
[22] 2014-04-29  
[41] 2015-10-29

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[21] **2,850,718**  
[13] A1

[51] **Int.Cl. H02J 7/02 (2006.01) B60L 11/18 (2006.01) B60R 16/02 (2006.01) H02J 5/00 (2006.01)**

[25] FR

[54] **BIDIRECTIONAL RECHARGING SYSTEM FOR ELECTRIC VEHICLE**

[54] **SYSTEME DE RECHARGE BIDIRECTIONNEL POUR VEHICULE ELECTRIQUE**

[72] GIUMENTO, ANGELLO, ZZ  
[72] LAMBERT, GHISLAIN, CA  
[72] LAVOIE, SAMUEL, CA  
[72] LAGACE, MARIN, CA  
[72] DUPRE, JEAN-LUC, ZZ  
[72] PATAULT, LOUIS-ANDRE, ZZ  
[72] BOUDJERIDA, NACER, ZZ  
[72] LECOURTOIS, ERIC, ZZ  
[71] HYDRO-QUEBEC, CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,726**  
[13] A1

[51] **Int.Cl. B60R 16/02 (2006.01) B60L 11/18 (2006.01)**

[25] FR

[54] **BIDIRECTIONAL RECHARGING SYSTEM FOR ELECTRIC VEHICLE**

[54] **SYSTEME DE RECHARGE BIDIRECTIONNEL POUR VEHICULE ELECTRIQUE**

[72] ZAGHIB, KARIM, CA  
[72] PERREAULT, ERIC, ZZ  
[72] LAMBERT, GHISLAIN, CA  
[72] LAVOIE, SAMUEL, CA  
[71] HYDRO-QUEBEC, CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,754**  
[13] A1

[51] **Int.Cl. E03D 5/00 (2006.01)**

[25] EN

[54] **COMBINATION FLUSH TOILETS, ADULT AND TODDLER TOILET, WESTERN FLUSH TOILET AND CHINESE SQUAT TOILET**

[54] **COMBINAISON DE TOILETTE A CHASSE D'EAU, TOILETTE POUR ADULTE ET ENFANT, TOILETTE A CHASSE OCCIDENTALE ET TOILETTE CHINOISE POUR POSITION ACCROUPEE**

[72] ORUBOR, LAWRENCE, CA  
[71] ORUBOR, LAWRENCE, CA  
[22] 2014-04-28  
[41] 2015-10-28

[21] **2,850,770**  
[13] A1

[51] **Int.Cl. G06Q 50/22 (2012.01) A61B 5/00 (2006.01) A61G 99/00 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **MEDICAL ASSISTANCE METHOD AND SYSTEM**

[54] **METHODE ET PROCEDE D'AIDE MEDICALE**

[72] SOLIE, LEONARD, US  
[71] SOLIE, LEONARD, US  
[22] 2014-04-28  
[41] 2015-10-28

[21] **2,850,816**  
[13] A1

[51] **Int.Cl. A61J 7/04 (2006.01) A61J 1/03 (2006.01) A61J 7/00 (2006.01) B65B 5/00 (2006.01) G06F 19/00 (2011.01)**

[25] EN

[54] **SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR ASSIGNING TIMES OF ADMINISTRATION TO PRESCRIPTION MEDICATIONS**

[54] **SYSTEMES, METHODES ET PRODUITS DE PROGRAMME INFORMATIQUE SERVANT A ATTRIBUER DES HORAIRES D'ADMINISTRATION DE MEDICAMENTS D'ORDONNANCE**

[72] CUNNINGHAM, PAUL JOSEPH, US  
[72] MCCARRON, ANDREW KELLER, US  
[71] PARATA SYSTEMS, LLC, US  
[22] 2014-05-01  
[41] 2015-10-30  
[30] US (14/265,945) 2014-04-30

[21] **2,850,819**  
[13] A1

[51] **Int.Cl. H04N 21/8549 (2011.01) H04W 4/00 (2009.01) H04N 21/854 (2011.01) G06T 11/00 (2006.01)**

[25] EN

[54] **FLIPBOOK**

[54] **FOLIOSCOPE**

[72] KEMP, JACLYN, CA  
[71] KEMP, JACLYN, CA  
[22] 2014-04-30  
[41] 2015-10-30

[21] **2,850,820**  
[13] A1

[51] **Int.Cl. E02F 5/08 (2006.01) E02F 5/02 (2006.01)**

[25] EN

[54] **SOIL SPREADING SCRAPER DEVICE**

[54] **DISPOSITIF RACLEUR ETENDEUR DE SOL**

[72] THOMPSON, MARK C., CA  
[71] DYNAMIC DITCHERS INC., CA  
[22] 2014-04-29  
[41] 2015-10-29

[21] **2,850,954**  
[13] A1

[51] **Int.Cl. F04D 13/08 (2006.01) E21B 43/12 (2006.01) F04D 13/10 (2006.01) F04D 29/04 (2006.01) E21B 43/24 (2006.01)**

[25] EN

[54] **ROD DRIVEN CENTRIFUGAL PUMPING SYSTEM FOR ADVERSE WELL PRODUCTION**

[54] **MECANISME DE POMPAGE CENTRIFUGE A TIGE POUR PRODUCTION DE Puits EN TOUT TEMPS**

[72] FOUILLARD, PHIL, CA  
[72] PART, DARREN, CA  
[72] NOBLE, EVAN, CA  
[71] OILFIELD EQUIPMENT DEVELOPMENT CENTER LIMITED, SC  
[71] WEATHERFORD/LAMB, INC., US  
[22] 2014-05-05  
[41] 2015-10-30  
[30] US (14/265,867) 2014-04-30



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[21] **2,853,979**  
[13] A1

[51] **Int.Cl. B60P 7/04 (2006.01)**  
[25] EN  
[54] **TARPAULIN RETRACTION AND EXTENSION DEVICE**  
[54] **DISPOSITIF DE RETRACTION ET D'EXTENSION DE TARPAULIN**  
[72] ROYER, REAL, CA  
[71] ROYER, REAL, CA  
[22] 2014-06-11  
[41] 2015-10-29  
[30] CA (2.850,199) 2014-04-29

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[21] **2,854,535**  
[13] A1

[51] **Int.Cl. A47K 3/024 (2006.01)**  
[25] EN  
[54] **BABY BATH STATION**  
[54] **INSTALLATION SERVANT A DONNER UN BAIN A UN BEBE**  
[72] LEIHGEBER, JOSEPH Q., US  
[71] LEIHGEBER, JOSEPH Q., US  
[22] 2014-06-18  
[41] 2015-10-25  
[30] US (14/262,613) 2014-04-25

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[21] **2,855,291**  
[13] A1

[51] **Int.Cl. A61K 36/82 (2006.01) A61K 36/424 (2006.01) A61P 39/00 (2006.01)**  
[25] EN  
[54] **METHODS FOR RADIATION PROTECTION**  
[54] **METHODES DE PROTECTION CONTRE LE RAYONNEMENT**  
[72] DJANG, ARTHUR H. K., US  
[71] SANTE INTERNATIONAL, INC., US  
[22] 2014-06-30  
[41] 2015-10-30

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[21] **2,855,297**  
[13] A1

[51] **Int.Cl. H01H 33/53 (2006.01) H02B 5/00 (2006.01)**  
[25] EN  
[54] **TANK MOUNTING STRUCTURE FOR DEAD TANK CIRCUIT BREAKER**  
[54] **STRUCTURE D'INSTALLATION DE BOUCHON POUR DISJONCTEUR DE CIRCUIT BOUCHON**  
[72] CUPPETT, MATTHEW D., US  
[72] DAEHLER, CHRISTIAN, US  
[72] DAHM, ELIZABETH L., US  
[71] ABB TECHNOLOGY AG, CH  
[22] 2014-06-26  
[41] 2015-10-29  
[30] US (14/264,343) 2014-04-29

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[21] **2,856,228**  
[13] A1

[51] **Int.Cl. H01M 8/04 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING FLUID FLOW FIELD PLATES**  
[54] **METHODE DE PRODUCTION DE PLAQUES A CHAMP D'ECOULEMENT**  
[72] JONES, THOMAS DAVID, CA  
[72] BITTON, MICHEL MEYER, CA  
[71] ENERGYOR TECHNOLOGIES, INC., CA  
[22] 2014-07-08  
[41] 2015-10-29  
[30] US (14/264533) 2014-04-29

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[21] **2,856,766**  
[13] A1

[51] **Int.Cl. B01D 17/025 (2006.01) B01D 21/02 (2006.01)**  
[25] EN  
[54] **SEPARATION VESSEL WITH ENHANCED PARTICULATE REMOVAL**  
[54] **RECIPIENT DE SEPARATION A EXTRACTION DE PARTICULES AMELIOREE**  
[72] BALL, WILL D., IV, US  
[71] HIGH-TECH CONSULTANTS, INC., US  
[22] 2014-07-14  
[41] 2015-10-28  
[30] US (14/263,076) 2014-04-28

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[21] **2,864,254**  
[13] A1

[51] **Int.Cl. E21B 19/22 (2006.01) E21B 7/02 (2006.01) E21B 15/00 (2006.01)**  
[25] EN  
[54] **A WELL OPERATION METHOD AND A WELL OPERATION EQUIPMENT SYSTEM FOR HANDLING A CONTINUOUS ELONGATE DEVICE TO BE INSERTABLE INTO A WELL**  
[54] **UNE METHODE D'EXPLOITATION DE Puits ET UN MECANISME D'EQUIPEMENT D'EXPLOITATION DE Puits DESTINES A MANIPULER UN DISPOSITIF ALLONGE CONTINU A INSERER DANS UN Puits**  
[72] ZACHARIASEN, ERIK, NO  
[72] BJORNENAK, MADS, NO  
[71] STIMLINE AS, NO  
[22] 2014-09-17  
[41] 2015-10-30  
[30] NO (20140562) 2014-04-30

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[21] **2,865,147**  
[13] A1

[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/18 (2006.01) E04F 15/22 (2006.01)**  
[25] EN  
[54] **EXTENDED KERF CUT AND SPLINE RESTRAINT SYSTEM FOR ELEVATED FLOORING SURFACES**  
[54] **TRAIT DE SCIE ETENDUE ET MECANISME DE LIMITATION DE CLAVETTE POUR SURFACES DE PLANCHER SURELEVEES**  
[72] KUGLER, WILLIAM E., US  
[72] KNIGHT, STEPHEN J., III, US  
[71] UNITED CONSTRUCTION PRODUCTS, INC., US  
[22] 2014-09-25  
[41] 2015-10-29  
[30] US (14/264,859) 2014-04-29  
[30] US (14/453,835) 2014-08-07

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[21] **2,868,945**  
[13] A1

[51] **Int.Cl. F16K 5/20 (2006.01) F16K 5/06 (2006.01)**  
[25] EN  
[54] **FLOATING BALL VALVE**  
[54] **ROBINET A BILLE FLOTTANTE**  
[72] HE, ZENGHUA, CN  
[71] HE, ZENGHUA, CN  
[22] 2014-10-24  
[41] 2015-10-29  
[30] CN (201410163376.4) 2014-04-29  
[30] US (14/451,884) 2014-08-05

[21] **2,872,059**  
[13] A1

[51] **Int.Cl. E21B 7/12 (2006.01) E21B 15/02 (2006.01)**  
[25] EN  
[54] **OFFSHORE DRILLING INSTALLATION AND METHOD FOR OFFSHORE DRILLING**  
[54] **INSTALLATION DE FORAGE HAUTURIER ET METHODE DE FORAGE HAUTURIER**  
[72] LOOIJEN, PETER, NL  
[71] FUGRO ENGINEERS B.V., NL  
[22] 2014-11-25  
[41] 2015-10-30  
[30] NL (2012723) 2014-04-30

[21] **2,872,371**  
[13] A1

[51] **Int.Cl. E21B 17/10 (2006.01) F16L 57/06 (2006.01)**  
[25] EN  
[54] **METHOD OF HARDBANDING A TUBULAR COMPONENT AND A TUBULAR COMPONENT HARDBANDED IN ACCORDANCE WITH THE METHOD**  
[54] **METHODE DE CERCLAGE RIGIDE D'UN COMPOSANT TUBULAIRE ET UN COMPOSANT TUBULAIRE CERCLE SOLIDEMENT SELON LA METHODE**  
[72] HAMRE, DOUGLAS J., CA  
[71] APOLLO MACHINE & WELDING LTD., CA  
[22] 2014-11-26  
[41] 2015-10-29  
[30] CA (2,850,201) 2014-04-29

[21] **2,872,983**  
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01) G06Q 50/22 (2012.01) A61B 19/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR DETERMINING AN END OF LIFE STATE FOR SURGICAL DEVICES**  
[54] **SYSTEMES ET METHODES DE DETERMINATION D'UN ETAT DE FIN DE VIE POUR LES DISPOSITIFS CHIRURGICAUX**  
[72] FITZSIMMONS, THOMAS, US  
[72] GRASSO, MICHELLE, US  
[72] INGMANSON, MICHAEL, US  
[72] ZEMLOCK, MICHAEL, US  
[71] COVIDIEN LP, US  
[22] 2014-12-02  
[41] 2015-10-28  
[30] US (61/985,081) 2014-04-28  
[30] US (14/521,752) 2014-10-23

[21] **2,875,285**  
[13] A1

[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/03 (2006.01) A61B 17/94 (2006.01)**  
[25] EN  
[54] **SURGICAL STAPLING APPARATUS AND METHODS OF ADHERING A SURGICAL BUTTRESS THERETO**  
[54] **APPAREIL D'AGRAFAGE CHIRURGICAL ET METHODE DE FIXATION DE CONTREFORT CHIRURGICAL AUDIT APPAREIL**  
[72] CASASANTA, THOMAS, US  
[72] WHITFIELD, KENNETH, US  
[72] SIMPSON, RICHARD, US  
[71] COVIDIEN LP, US  
[22] 2014-12-18  
[41] 2015-10-29  
[30] US (14/264,269) 2014-04-29

[21] **2,876,625**  
[13] A1

[51] **Int.Cl. H01R 4/66 (2006.01) H02G 3/06 (2006.01)**  
[25] EN  
[54] **PUSH-ON TYPE GROUNDING BUSHING**  
[54] **RACCORDEMENT DE MISE A LA TERRE DE TYPE A POUSSER**  
[72] SMITH, LAWRENCE J., US  
[71] BRIDGEPORT FITTINGS, INC., US  
[22] 2015-01-02  
[41] 2015-10-28  
[30] US (14/262,946) 2014-04-28

[21] **2,878,045**  
[13] A1

[51] **Int.Cl. B27B 17/00 (2006.01)**  
[25] EN  
[54] **EXTENDABLE STABILIZER FOR A CHAINSAW**  
[54] **STABILISATEUR EXTENSIBLE POUR UNE SCIE A CHAINE**  
[72] FERGUSON, ROGER D., JR., US  
[71] FERGUSON, ROGER D., JR., US  
[22] 2015-01-15  
[41] 2015-10-29  
[30] US (14/264,739) 2014-04-29

[21] **2,879,594**  
[13] A1

[51] **Int.Cl. B25B 13/46 (2006.01) B25B 15/04 (2006.01)**  
[25] EN  
[54] **BIAS AND REVERSING MECHANISM FOR ROLLER CLUTCH RATCHET**  
[54] **MECANISMES D'INCLINAISON ET DE RECUL POUR ROCHET A ENGRENAGE A ROULEAU**  
[72] ROSS, DAVID, US  
[71] SNAP-ON INCORPORATED, US  
[22] 2015-01-27  
[41] 2015-10-25  
[30] US (14/261,903) 2014-04-25

[21] **2,879,842**  
[13] A1

[51] **Int.Cl. G01M 9/06 (2006.01)**  
[25] EN  
[54] **BOUNDARY LAYER FLOW SENSOR**  
[54] **DETECTEUR DE FLUX DE COUCHE LIMITE**  
[72] CROUCH, JEFFREY D., US  
[71] THE BOEING COMPANY, US  
[22] 2015-01-23  
[41] 2015-10-25  
[30] US (14/261,594) 2014-04-25

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[21] **2,881,865**  
 [13] A1

[51] **Int.Cl. A47L 13/58 (2006.01) A47J 47/18 (2006.01) A47L 13/20 (2006.01)**

[25] EN

[54] **ROTATING MOP HANDLE AND BUCKET ASSEMBLY**

[54] **ENSEMBLE DE SEAU ET MANCHE DE VADROUILLE ROTATIF**

[72] LENTINE, LOU, US

[71] TELEBRANDS CORP., US

[22] 2015-02-12

[41] 2015-10-28

[30] US (61/985,364) 2014-04-28

[30] US (61/993,354) 2014-05-15

[30] US (14/512,360) 2014-10-10

[21] **2,881,888**  
 [13] A1

[51] **Int.Cl. A47L 13/58 (2006.01) A47J 47/18 (2006.01) A47L 13/20 (2006.01)**

[25] EN

[54] **ROTATING MOP HANDLE AND BUCKET ASSEMBLY**

[54] **ENSEMBLE DE SEAU ET MANCHE DE VADROUILLE ROTATIF**

[72] LENTINE, LOU, US

[71] TELEBRANDS CORP., US

[22] 2015-02-12

[41] 2015-10-28

[30] US (61/985,364) 2014-04-28

[30] US (61/993,354) 2014-05-15

[30] US (14/512,362) 2014-10-10

[21] **2,882,057**  
 [13] A1

[51] **Int.Cl. H02P 31/00 (2006.01) B64D 41/00 (2006.01) H02K 7/00 (2006.01) H02P 5/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR THE CONTROL AND OPERATION OF A PARALLEL MOTOR CONTROLLER ARCHITECTURE**

[54] **SYSTEMES ET METHODES DE CONTROLE ET DE FONCTIONNEMENT D'UNE ARCHITECTURE DE CONTROLEUR DE MOTEUR PARALLELE**

[72] SOLODOVNIK, EUGENE V., US

[72] KARIMI, KAMIAR J., US

[72] LIU, SHENGYI, US

[71] THE BOEING COMPANY, US

[22] 2015-02-16

[41] 2015-10-29

[30] US (14/264,423) 2014-04-29

[21] **2,882,419**  
 [13] A1

[51] **Int.Cl. B64C 3/56 (2006.01)**

[25] EN

[54] **SYSTEM FOR LATCHING AND LOCKING A FOLDABLE AIRFOIL**

[54] **SYSTEME DE LOQUET ET VERROU POUR UN PROFIL AERODYNAMIQUE PLIABLE**

[72] LASSEN, MATTHEW A., US

[72] OSTROM, NICHOLAS A., US

[72] WEAVER, JARED D., US

[72] WHITT, DANIEL R., US

[71] THE BOEING COMPANY, US

[22] 2015-02-18

[41] 2015-10-25

[30] US (14/262,608) 2014-04-25

[21] **2,882,420**  
 [13] A1

[51] **Int.Cl. B25J 5/02 (2006.01) B25J 9/18 (2006.01) B25J 15/04 (2006.01) B25J 19/02 (2006.01) B64F 5/00 (2006.01) B66F 11/00 (2006.01)**

[25] EN

[54] **CRAWLER ROBOT AND SUPPORTING PLATFORM**

[54] **ROBOT RAMPEUR ET PLATEFORME DE SUPPORT**

[72] DAY, DAN DRESSKELL, US

[72] ZABALLOS, KENNETH P., US

[72] CHANG, PAUL C., US

[72] JONES, DARRELL DARWIN, US

[72] BANKS, DAVID P., US

[72] KOSTENICK, PAUL G., US

[72] OLSON, KERRI L., US

[71] THE BOEING COMPANY, US

[22] 2015-02-18

[41] 2015-10-30

[30] US (61/986,766) 2014-04-30

[30] US (14/558,850) 2014-12-03

[21] **2,882,466**  
 [13] A1

[51] **Int.Cl. B25J 19/02 (2006.01) B25J 9/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR POSITIONING AN AUTOMATED ASSEMBLY TOOL RELATIVE TO A STRUCTURE**

[54] **SYSTEME ET METHODE DE POSITIONNEMENT D'UN OUTIL AUTOMATISE RELATIVEMENT A UNE STRUCTURE**

[72] REID, ERIC M., US

[72] BANKS, DAVID PAUL, US

[72] JONES, DARRELL DARWIN, US

[71] THE BOEING COMPANY, US

[22] 2015-02-18

[41] 2015-10-30

[30] US (61/986,796) 2014-04-30

[30] US (14/558,853) 2014-12-03

[21] **2,882,482**  
 [13] A1

[51] **Int.Cl. B23Q 17/22 (2006.01) B23Q 1/25 (2006.01) B23Q 16/00 (2006.01) B64F 5/00 (2006.01)**

[25] EN

[54] **METROLOGY SYSTEM FOR POSITIONING ASSEMBLIES**

[54] **SYSTEME DE METROLOGIE SERVANT AU POSITIONNEMENT D'ASSEMBLAGES**

[72] COBB, JAMES M., US

[72] MUNK, CLAYTON LYNN, US

[72] DAY, DAN DRESSKELL, US

[72] REID, ERIC M., US

[72] DESJARDIEN, MATTHEW RAY, US

[72] BEST, STEVEN A., US

[71] THE BOEING COMPANY, US

[22] 2015-02-19

[41] 2015-10-30

[30] US (61/986,776) 2014-04-30

[30] US (14/559,034) 2014-12-03

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[21] **2,882,485**  
[13] A1

[51] **Int.Cl. B23Q 1/25 (2006.01) B64F 5/00 (2006.01)**  
[25] EN  
[54] **APPARATUS, SYSTEM, AND METHOD FOR SUPPORTING A WING ASSEMBLY**  
[54] **APPAREIL, SYSTEME ET METHODE DE SOUTIEN D'UN ASSEMBLAGE D'AILE**  
[72] DESJARDIEN, MATTHEW RAY, US  
[72] REID, ERIC M., US  
[72] BEST, STEVEN A., US  
[72] SHIN, JAE EUN, US  
[71] THE BOEING COMPANY, US  
[22] 2015-02-19  
[41] 2015-10-30  
[30] US (61/986,773) 2014-04-30  
[30] US (14/558,834) 2014-12-03

[21] **2,883,046**  
[13] A1

[51] **Int.Cl. B25J 5/00 (2006.01) B25J 15/04 (2006.01) B64F 5/00 (2006.01) B66F 11/00 (2006.01)**  
[25] EN  
[54] **MOBILE AUTOMATED ASSEMBLY TOOL FOR AIRCRAFT STRUCTURES**  
[54] **OUTIL D'ASSEMBLAGE AUTOMATISE MOBILE POUR STRUCTURES D'AERONEF**  
[72] REID, ERIC M., US  
[72] JONES, DARRELL DARWIN, US  
[72] MUNK, CLAYTON LYNN, US  
[72] BEST, STEVEN A., US  
[72] DESJARDIEN, MATTHEW RAY, US  
[72] CRESPO, CARLOS DANIEL, US  
[71] THE BOEING COMPANY, US  
[22] 2015-02-23  
[41] 2015-10-30  
[30] US (61/986,756) 2014-04-30  
[30] US (14/558,859) 2014-12-03

[21] **2,883,248**  
[13] A1

[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/068 (2006.01) A61B 17/115 (2006.01)**  
[25] EN  
[54] **ANVIL ASSEMBLY DELIVERY SYSTEM**  
[54] **MECANISME DE DISTRIBUTION D'ASSEMBLAGE D'ENCLUME**  
[72] WILLIAMS, JUSTIN, US  
[71] COVIDIEN LP, US  
[22] 2015-02-26  
[41] 2015-10-28  
[30] US (14/263,412) 2014-04-28

[21] **2,883,614**  
[13] A1

[51] **Int.Cl. B64F 5/00 (2006.01) B23Q 41/02 (2006.01) B23Q 41/06 (2006.01) B66F 5/00 (2006.01) B66F 11/00 (2006.01)**  
[25] EN  
[54] **FLEXIBLE MANUFACTURING SYSTEM FOR AIRCRAFT STRUCTURES**  
[54] **MECANISME DE FABRICATION SOUPLE POUR STRUCTURES D'AERONEF**  
[72] DAY, DAN DRESSKELL, US  
[72] MUNK, CLAYTON LYNN, US  
[72] SCHMITT, STEVEN JOHN, US  
[72] REID, ERIC M., US  
[71] THE BOEING COMPANY, US  
[22] 2015-02-27  
[41] 2015-10-30  
[30] US (61/986,824) 2014-04-30  
[30] US (14/558,867) 2014-12-03

[21] **2,884,222**  
[13] A1

[51] **Int.Cl. B62B 17/02 (2006.01) B62D 55/07 (2006.01)**  
[25] EN  
[54] **SNOWMOBILE SKI ASSEMBLY**  
[54] **ASSEMBLAGE DE SKI POUR MOTONEIGE**  
[72] LAURENCE, FELIX ANTOINE, CA  
[72] DESJARLAIS, MELANIE, CA  
[72] DUFORT, LUC, CA  
[72] MALLETT, BERTRAND, CA  
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA  
[22] 2015-03-11  
[41] 2015-10-30  
[30] US (61/986,593) 2014-04-30

[21] **2,884,434**  
[13] A1

[51] **Int.Cl. H04N 5/225 (2006.01) A61C 5/14 (2006.01) A61C 7/08 (2006.01) A63B 71/08 (2006.01)**  
[25] EN  
[54] **MOUTH CAMERA**  
[54] **CAMERA POUR LA BOUCHE**  
[72] BLACKMAN, TRAVIS A., CA  
[71] BLACKMAN, TRAVIS A., CA  
[22] 2015-03-06  
[41] 2015-10-25  
[30] US (14/262,176) 2014-04-25

[21] **2,885,000**  
[13] A1

[51] **Int.Cl. A62C 3/08 (2006.01)**  
[25] EN  
[54] **BELLOWS ACTUATED TEMPERATURE COMPENSATED PRESSURE SWITCHING APPARATUS AND SYSTEM**  
[54] **APPAREIL DE COMMUTATION A PRESSION COMPENSEE PAR LA TEMPERATURE ACTIVE PAR SOUFFLET ET MECANISME**  
[72] FAZZIO, MARK, US  
[71] KIDDE TECHNOLOGIES, INC., US  
[22] 2015-03-16  
[41] 2015-10-29  
[30] US (14/264,948) 2014-04-29

[21] **2,885,035**  
[13] A1

[51] **Int.Cl. H04L 12/26 (2006.01) H04L 12/70 (2013.01) G06Q 10/00 (2012.01) H04L 9/32 (2006.01) H04L 12/14 (2006.01)**  
[25] EN  
[54] **DATA USAGE ANALYSIS AND REPORTING**  
[54] **ANALYSE D'UTILISATION DE DONNEES ET PRODUCTION DE RAPPORT**  
[72] LEEMET, JAAN, US  
[72] SCHMIDT, PAUL, US  
[72] SUBBLOIE, ALBERT R., JR., US  
[72] DEBENEDICTIS, CHRISTOPHER J., US  
[71] TANGOE, INC., US  
[22] 2015-03-13  
[41] 2015-10-28  
[30] US (14/263,772) 2014-04-28  
[30] US (14/263,756) 2014-04-28

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[21] **2,885,141**  
[13] A1

[51] **Int.Cl. H04W 88/16 (2009.01) H04W 88/06 (2009.01) H04W 88/10 (2009.01) H04W 92/18 (2009.01) H04B 7/17 (2006.01)**

[25] EN

[54] **TRANSLATING CELLULAR PROTOCOLS FOR A VEHICLE TELEMATICS UNIT**

[54] **TRADUCTION DE PROTOCOLES CELLULAIRES POUR UN MODULE DE TELEMATIQUE DE VEHICULE**

[72] SAUERBREY, STEVEN, US

[72] DROSTE, SCOTT, US

[72] MACDONALD, ANDREW, US

[72] RASAL, ABUZAFOR, US

[71] GENERAL MOTORS LLC, US

[22] 2015-03-17

[41] 2015-10-29

[30] US (14/264,862) 2014-04-29

[21] **2,885,348**  
[13] A1

[51] **Int.Cl. F24H 1/20 (2006.01) B64D 11/00 (2006.01) F24H 9/20 (2006.01)**

[25] EN

[54] **HIGH CAPACITY WATER HEATER**

[54] **CHAUFFE-EAU GRANDE CAPACITE**

[72] GIAMATI, MICHAEL JOHN, US

[71] GOODRICH CORPORATION, US

[22] 2015-03-17

[41] 2015-10-25

[30] US (14/262,069) 2014-04-25

[21] **2,885,660**  
[13] A1

[51] **Int.Cl. B66B 7/08 (2006.01) F16G 11/00 (2006.01)**

[25] EN

[54] **A TRAVELLING CABLE CLAMP ASSEMBLY, AN ELEVATOR ARRANGEMENT, AND A METHOD**

[54] **UN DISPOSITIF DE PINCE DE CABLE MOBILE, UN AMENAGEMENT D'ASCENSEUR ET UNE METHODE**

[72] PEACOCK, MARK, FI

[72] BACKLUND, NIKI, FI

[71] KONE CORPORATION, FI

[22] 2015-03-20

[41] 2015-10-29

[30] US (14/264,768) 2014-04-29

[21] **2,885,757**  
[13] A1

[51] **Int.Cl. B60P 7/06 (2006.01)**

[25] EN

[54] **WINCH SUPPORTED CARGO STRAP COIL LAUNCHING DEVICE**

[54] **DISPOSITIF DE LANCEMENT D'UNE BOBINE DE SANGLE DE CARGAISON SOUTENU PAR UN TREUIL**

[72] MCCULLOUGH, DAVID, US

[71] MCCULLOUGH, DAVID, US

[22] 2015-03-23

[41] 2015-10-28

[30] US (14263047) 2014-04-28

[30] US (14307168) 2014-06-17

[21] **2,885,832**  
[13] A1

[51] **Int.Cl. A01C 7/16 (2006.01) B65G 33/08 (2006.01) B65G 47/00 (2006.01) B65G 47/12 (2006.01)**

[25] EN

[54] **LATCH MECHANISM FOR AN AGRICULTURAL CONVEYOR SYSTEM**

[54] **MECANISME DE LOQUET POUR UN DISPOSITIF DE TRANSPORT AGRICOLE**

[72] WOLOWSKI, EVAN JOHN BRUCE, CA

[71] CNH INDUSTRIAL CANADA, LTD., CA

[22] 2015-03-25

[41] 2015-10-25

[30] US (61/984,497) 2014-04-25

[21] **2,886,183**  
[13] A1

[51] **Int.Cl. F01B 17/02 (2006.01) A61M 1/00 (2006.01) F01B 11/00 (2006.01)**

[25] EN

[54] **COMPRESSED GAS MOTOR FOR OPERATION OF A LAVAGE SYSTEM**

[54] **MOTEUR A GAZ COMPRI ME POUR LE FONCTIONNEMENT D'UN SYSTEME DE LAVAGE**

[72] VOGT, SEBASTIAN, DE

[71] HERAEUS MEDICAL GMBH, DE

[22] 2015-03-26

[41] 2015-10-29

[30] DE (10 2014 208 064.9) 2014-04-29

[21] **2,886,500**  
[13] A1

[51] **Int.Cl. B25J 5/00 (2006.01) B64F 5/00 (2006.01)**

[25] EN

[54] **MOBILE AUTOMATED OVERHEAD ASSEMBLY TOOL FOR AIRCRAFT STRUCTURES**

[54] **OUTIL D'ASSEMBLAGE AUTOMATISE MOBILE SURELEVE POUR STRUCTURES D'AERONEF**

[72] DESJARDIEN, MATTHEW RAY, US

[72] REID, ERIC M., US

[72] BEST, STEVEN A., US

[72] MARTIN, DANIEL SAEIL, US

[71] THE BOEING COMPANY, US

[22] 2015-03-26

[41] 2015-10-30

[30] US (61/986,807) 2014-04-30

[30] US (14/558,899) 2014-12-03

[21] **2,887,406**  
[13] A1

[51] **Int.Cl. A63J 1/00 (2006.01) E04H 3/24 (2006.01)**

[25] EN

[54] **SPANNING TRUSS FOR HANGING A LOAD**

[54] **FERME DE SERRAGE SERVANT A SUSPENDRE UNE CHARGE**

[72] DUSCHINSKY, GABRIEL, CA

[72] TESSIER, JACQUES, CA

[71] DUSCHINSKY, GABRIEL, CA

[71] TESSIER, JACQUES, CA

[22] 2015-04-10

[41] 2015-10-25

[30] GB (1407362.1) 2014-04-25

[21] **2,887,459**  
[13] A1

[51] **Int.Cl. F04D 29/70 (2006.01) F04D 13/06 (2006.01)**

[25] EN

[54] **INLET SIEVE FOR SELF-PRIMING FLOATING PUMPS**

[54] **TAMIS D'ENTREE POUR POMPES FLOTTANTES AUTO-AMORCANTE**

[72] ZAREMBA, GARY W., CA

[71] ZAREMBA, GARY W., CA

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[41] 2015-10-29

[30] US (61/985,804) 2014-04-29

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[13] A1

[51] **Int.Cl. H02H 5/00 (2006.01) F25D 23/12 (2006.01) F25D 29/00 (2006.01) H02J 7/00 (2006.01)**  
[25] EN  
[54] **MULTIPLE LINKED APPLICANCE WITH AUXILIARY OUTLET**  
[54] **APPAREIL A LIEN MULTIPLE COMPORTANT UNE PRISE AUXILIAIRE**  
[72] HALL, GREGORY A.T., US  
[72] EMMA, PHILLIP, US  
[71] INTIRION CORPORATION, US  
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[13] A1

[51] **Int.Cl. H02G 3/08 (2006.01)**  
[25] EN  
[54] **SNAP-IN GANGABLE ELECTRICAL BOX**  
[54] **BOITIER ELECTRIQUE ENLENCHEABLE A COMMANDE UNIQUE**  
[72] LALANCETTE, DANIEL, CA  
[71] THOMAS & BETTS INTERNATIONAL, LLC, US  
[22] 2015-04-08  
[41] 2015-10-29  
[30] US (61/985,725) 2014-04-29

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[21] **2,887,760**  
[13] A1

[51] **Int.Cl. A01B 33/16 (2006.01) G06T 7/00 (2006.01)**  
[25] EN  
[54] **RESIDUE MONITORING AND RESIDUE-BASED CONTROL**  
[54] **SURVEILLANCE DE RESIDUS ET CONTROLE FONDE SUR LES RESIDUS**  
[72] CASPER, ROBERT T., US  
[72] THEILEN, RICKY B., US  
[72] SCHWEITZER, JOHN M., US  
[71] DEERE & COMPANY, US  
[22] 2015-04-10  
[41] 2015-10-25  
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[13] A1

[51] **Int.Cl. H02B 11/127 (2006.01) H02B 3/00 (2006.01)**  
[25] EN  
[54] **ELECTRICAL SYSTEM, AND SUPPORT ASSEMBLY AND METHOD OF RACKING**  
[54] **ELECTRICAL SWITCHING APPARATUS THEREFOR**  
[54] **DISPOSITIF ELECTRIQUE, ET DISPOSITIF DE SUPPORT ET METHODE DE RANGEMENT D'APPAREIL DE COMMUTATION ELECTRIQUE ASSOCIEE**  
[72] CROOKS, WILLIAM MICHAEL, US  
[72] HARDEE, DONALD RAY, US  
[71] EATON CORPORATION, US  
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[13] A1

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[54] **DISPOSITIF ET METHODE DE TRANSMISSION DE DONNEES DE POSITION DE VEHICULE**  
[72] POPA, RAZVAN, RO  
[71] CONTINENTAL AUTOMOTIVE GMBH, DE  
[22] 2015-04-13  
[41] 2015-10-30  
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[13] A1

[51] **Int.Cl. G06Q 50/22 (2012.01)**  
[25] EN  
[54] **MULTIPLE COMPUTER SERVER SYSTEM FOR ORGANIZING HEALTHCARE INFORMATION**  
[54] **RESEAU DE SERVEUR INFORMATIQUE MULTIPLE SERVANT A ORGANISER L'INFORMATION RELATIVE AUX SOINS DE SANTE**  
[72] PARK, ANDREW, US  
[71] BIOPOLICY INNOVATIONS INC., CA  
[22] 2015-04-13  
[41] 2015-10-28  
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[13] A1

[51] **Int.Cl. H02P 21/14 (2006.01)**  
[25] EN  
[54] **INDUCTION MOTOR SPEED ESTIMATION**  
[54] **ESTIMATION DE LA VITESSE D'UN MOTEUR A INDUCTION**  
[72] ZHANG, PINJIA, US  
[72] NETI, PRABHAKAR, US  
[72] REDDY, PATEL BHAGEERATH, US  
[71] GE ENERGY POWER CONVERSION TECHNOLOGY LTD., GB  
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[13] A1

[51] **Int.Cl. H04L 12/14 (2006.01) H04L 12/12 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MANAGING ONLINE CHARGING SESSIONS**  
[54] **SYSTEMES ET PROCEDES DE GESTION DE SESSIONS EN LIGNE FACTUREES**  
[72] LIFSHITZ, YUVAL, IL  
[72] ZAGHLOUL, SAID, CA  
[72] SHARMA, CHANDAN KUMAR, IN  
[71] SANDVINE INCORPORATED ULC, CA  
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[30] IN (1165/DEL/2014) 2014-04-30

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[21] **2,888,012**  
[13] A1

[51] **Int.Cl. A23L 1/18 (2006.01) A23L 1/01 (2006.01) A47J 36/36 (2006.01) A47J 43/00 (2006.01)**  
[25] EN  
[54] **APPARATUS AND RELATED METHODS FOR PREPARING POPCORN**  
[54] **APPAREIL ET METHODES ASSOCIEES DESTINES A LA PREPARATION DE MAIS SOUFFLE**  
[72] ROONEY, SETH, US  
[72] BERGE, MICHAEL R., US  
[71] NATIONAL PRESTO INDUSTRIES, INC., US  
[22] 2015-04-14  
[41] 2015-10-25  
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[13] A1

[51] **Int.Cl. G05B 9/03 (2006.01) H04L 12/42 (2006.01)**  
[25] EN  
[54] **RELAY CONTROL SYSTEM AND COMMUNICATION RELAY METHOD**  
[54] **DISPOSITIF DE COMMANDE DE RELAIS ET METHODE DESTINEE AUX RELAIS DE COMMUNICATION**  
[72] WATANABE, JUN, JP  
[72] UEMURA, KAZUNORI, JP  
[72] SHIRAISHI, MASAHIRO, JP  
[72] NISHIKAWA, SATOSHI, JP  
[72] SHIMIZU, TOSHIKI, JP  
[71] HITACHI, LTD., JP  
[22] 2015-04-17  
[41] 2015-10-28  
[30] JP (2014-092671) 2014-04-28

[21] **2,888,079**  
[13] A1

[51] **Int.Cl. G01S 1/76 (2006.01) F16L 55/48 (2006.01)**  
[25] EN  
[54] **ACOUSTIC TRANSMITTER AND METHOD FOR UNDERWATER PIPELINE INSPECTION GAUGES**  
[54] **EMETTEUR ACOUSTIQUE ET METHODE DESTINEE AUX JAUGES D'INSPECTION DE PIPELINE SOUS-MARIN**  
[72] FARQUE, JASON, US  
[72] FARQUE, ERIC, US  
[71] CONTROL DEVICES, INC., US  
[22] 2015-04-14  
[41] 2015-10-30  
[30] US (14/266,513) 2014-04-30

[21] **2,888,181**  
[13] A1

[51] **Int.Cl. H04B 3/46 (2015.01) H04N 17/00 (2006.01)**  
[25] EN  
[54] **MICROREFLECTION DELAY ESTIMATION IN A CATV NETWORK**  
[54] **ESTIMATION DE RETARD DE MICRO REFLEXION DANS UN RESEAU DE TELEVISION PAR CABLE**  
[72] THOMPSON, ROBERT J., US  
[72] MORAN, JOHN L., US  
[72] FOWLER, MARK L., US  
[71] ARRIS ENTERPRISES, INC., US  
[22] 2015-04-16  
[41] 2015-10-25  
[30] US (14/261,967) 2014-04-25

[21] **2,888,242**  
[13] A1

[51] **Int.Cl. F01P 11/08 (2006.01) F01M 5/00 (2006.01)**  
[25] EN  
[54] **INTEGRATED OIL COOLER FOR INTERNAL COMBUSTION ENGINE**  
[54] **REFROIDISSEUR D'HUILE INTEGRE POUR MOTEUR A COMBUSTION INTERNE**  
[72] SARDER, MARK J., US  
[72] DEHN, JAMES J., US  
[72] SATO, HIROAKI, US  
[71] CHAMPION ENGINE TECHNOLOGY, LLC, US  
[22] 2015-04-15  
[41] 2015-10-30  
[30] US (14/265,805) 2014-04-30

[21] **2,888,253**  
[13] A1

[51] **Int.Cl. B05B 15/04 (2006.01)**  
[25] FR  
[54] **PROTECTION DEVICE AND METHOD IMPLEMENTING SUCH A DEVICE**  
[54] **DISPOSITIF DE PROTECTION ET PROCEDE METTANT EN OEUVRE UN TEL DISPOSITIF**  
[72] KRATZ, MARINE, FR  
[71] MESSIER-BUGATTI-DOWTY, FR  
[22] 2015-04-15  
[41] 2015-10-30  
[30] FR (14 53985) 2014-04-30

[21] **2,888,323**  
[13] A1

[51] **Int.Cl. E05D 1/00 (2006.01)**  
[25] EN  
[54] **DOOR CLOSER**  
[54] **DISPOSITIF DE FERMETURE DE PORTE**  
[72] DING, KUN-LIN, TW  
[71] JOY CHIEF HARDWARE INDUSTRIAL CORP., TW  
[22] 2015-04-20  
[41] 2015-10-29  
[30] TW (103115437) 2014-04-29

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[13] A1

[51] **Int.Cl. B01J 2/02 (2006.01) C08J 3/12 (2006.01) C08J 3/20 (2006.01)**  
[25] EN  
[54] **SPRAY FREEZE-DRIED NANOPARTICLES AND METHOD OF USE THEREOF**  
[54] **PULVERISATION DE NANOPARTICULES SECHEES A FROID ET METHODE D'UTILISATION ASSOCIEE**  
[72] KAMAL, MUSA, CA  
[72] KHOSHKAVA, VAHID, CA  
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA  
[22] 2015-04-14  
[41] 2015-10-25  
[30] US (61/984,265) 2014-04-25

[21] **2,888,454**  
[13] A1

[51] **Int.Cl. B29C 67/00 (2006.01) B33Y 50/00 (2015.01) H04N 5/247 (2006.01) H04N 13/02 (2006.01) G06T 7/00 (2006.01)**  
[25] EN  
[54] **SYSTEM, APPARATUS AND METHOD, FOR PRODUCING A THREE DIMENSIONAL PRINTED FIGURINE**  
[54] **SYSTEME, APPAREIL ET METHODE DE PRODUCTION D'UNE FIGURINE IMPRIMEE EN TROIS DIMENSIONS**  
[72] FLORES MANGAS, FERNANDO, CA  
[72] TRACEY, AIDAN DAVID, CA  
[72] FORDE, PETE, CA  
[71] REMEMBORINES INC., CA  
[22] 2015-04-16  
[41] 2015-10-25  
[30] US (14/261778) 2014-04-25

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[13] A1

[51] **Int.Cl. F03B 17/04 (2006.01) F03G 3/00 (2006.01) F03G 7/10 (2006.01)**  
[25] EN  
[54] **GRAVITATIONAL HYDRO POWER SYSTEM**  
[54] **SYSTEME DE PRODUCTION D'HYDROELECTRICITE PAR GRAVITE**  
[72] GIDOIU, ION, CA  
[71] GIDOIU, ION, CA  
[22] 2015-04-20  
[41] 2015-10-26

[21] **2,888,573**  
[13] A1

[51] **Int.Cl. H04N 21/647 (2011.01) G08B 13/196 (2006.01) H04N 7/18 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD OF OPTIMIZED NETWORK TRAFFIC IN VIDEO SURVEILLANCE SYSTEM**  
[54] **SYSTEME ET METHODE DE TRAFIC RESEAU OPTIMISE DANS UN SYSTEME DE SURVEILLANCE VIDEO**  
[72] ZHUANG, HANWEI, US  
[72] JI, XIEYUAN, US  
[72] JIAO, HONGGUANG, US  
[72] ZHOU, HAIJIN, US  
[71] HONEYWELL INTERNATIONAL INC., US  
[22] 2015-04-17  
[41] 2015-10-28  
[30] US (14/263,454) 2014-04-28

[21] **2,888,677**  
[13] A1

[51] **Int.Cl. B32B 37/10 (2006.01) B32B 5/26 (2006.01) B32B 37/15 (2006.01) C08J 5/24 (2006.01)**  
[25] EN  
[54] **METHOD FOR OBTAINING A COMPOSITE LAMINATE**  
[54] **METHODE DESTINEE A L'OBTENTION D'UN STRATIFIE EN COMPOSITE**  
[72] SANCHEZ GOMEZ, JOSE, ES  
[72] AVILA DOMINGUEZ, RAFAEL, ES  
[72] ALONSO PINTADO, HECTOR, ES  
[71] AIRBUS OPERATIONS SL, ES  
[22] 2015-04-24  
[41] 2015-10-30  
[30] EP (EP 14382159.3) 2014-04-30

[21] **2,888,690**  
[13] A1

[51] **Int.Cl. D21F 7/06 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR STRETCH MEASUREMENTS OF TISSUE WEBS**  
[54] **APPAREIL ET METHODE DE MESURES D'ETIREMENT DE TOILES EN TISSU**  
[72] KELLOMAKI, MARKKU, US  
[72] PAAVOLA, ANTTI, US  
[71] HONEYWELL INTERNATIONAL INC., US  
[22] 2015-04-17  
[41] 2015-10-25  
[30] US (61/984,147) 2014-04-25  
[30] US (14/549,139) 2014-11-20

[21] **2,888,693**  
[13] A1

[51] **Int.Cl. C07C 7/20 (2006.01) C09K 15/04 (2006.01) C10L 3/10 (2006.01) E21B 43/22 (2006.01) F17D 5/00 (2006.01)**  
[25] EN  
[54] **METHOD FOR INHIBITING GAS HYDRATE BY NON-CORROSIVE QUATERNARY AMMONIUM COMPOUNDS**  
[54] **METHODE DESTINEE A EMPECHER LA PRODUCTION D'HYDRATES GAZEUX PAR LES COMPOSES D'AMMONIUM QUATERNAIRE NON CORROSIF**  
[72] BALESTRINI, ANDREA, US  
[72] GIARDINI, LORENZO, IT  
[72] PARINI, MAURO, IT  
[72] FLORIDI, GIOVANNI, IT  
[72] LI BASSI, GIUSEPPE, IT  
[71] LAMBERTI SPA, IT  
[22] 2015-04-21  
[41] 2015-10-25  
[30] US (61/984,126) 2014-04-25

[21] **2,888,695**  
[13] A1

[51] **Int.Cl. B22C 1/00 (2006.01) B33Y 70/00 (2015.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/22 (2006.01) C22C 38/24 (2006.01) C22C 38/38 (2006.01)**  
[25] EN  
[54] **STEEL FOR MOLD, AND MOLD**  
[54] **ACIER POUR MOULE, ET MOULE**  
[72] KAWANO, MASAMICHI, JP  
[71] DAIDO STEEL CO., LTD., JP  
[22] 2015-04-21  
[41] 2015-10-30  
[30] JP (2014-093742) 2014-04-30

[21] **2,888,726**  
[13] A1

[51] **Int.Cl. F03D 11/00 (2006.01) G10K 11/16 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHODS FOR REDUCING WIND TURBINE NOISE**  
[54] **SYSTEME ET PROCEDES DE REDUCTION DU BRUIT D'UNE EOLIENNE**  
[72] DRACK, LORENZ EDWIN, US  
[72] PETITJEAN, BENOIT PHILIPPE, US  
[72] BENIGNOS, JORGE ALEJANDRO CARRETERO, US  
[72] RANGWALLA, AKIL ABBAS, US  
[72] PATIL, PRATISH, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2015-04-23  
[41] 2015-10-30  
[30] US (14/266,108) 2014-04-30



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[21] **2,888,737**  
[13] A1

[51] **Int.Cl. F03D 7/00 (2006.01) F03D 11/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR OPTIMIZING OPERATION OF A WIND FARM**  
[54] **SYSTEMES ET METHODES D'OPTIMISATION DE L'EXPLOITATION D'UN PARC EOLIEN**  
[72] AMBEKAR, AKSHAY KRISHNAMURTY, IN  
[72] DHURI, KRISHNARAO DATTARAM, IN  
[72] CHANDRASHEKAR, SIDDHANTH, IN  
[72] DESAI, KALPIT VIKRAMBHAI, IN  
[72] MENON, ANUP, IN  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2015-04-23  
[41] 2015-10-29  
[30] IN (2155/CHE/2014) 2014-04-29

[21] **2,888,739**  
[13] A1

[51] **Int.Cl. F03D 7/00 (2006.01) H02J 13/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR CONTROLLING A WIND FARM**  
[54] **SYSTEME ET METHODE DE COMMANDE D'UN PARC EOLIEN**  
[72] BHASKAR, NITIKA, IN  
[72] AMBEKAR, AKSHAY KRISHNAMURTY, IN  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2015-04-23  
[41] 2015-10-29  
[30] IN (2156/CHE/2014) 2014-04-29

[21] **2,888,817**  
[13] A1

[51] **Int.Cl. E04D 1/28 (2006.01) B32B 3/02 (2006.01)**  
[25] EN  
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**  
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**  
[72] BUZZA, STEPHEN A., US  
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US  
[22] 2015-04-22  
[41] 2015-10-30  
[30] US (14/266,294) 2014-04-30

[21] **2,888,820**  
[13] A1

[51] **Int.Cl. E04D 1/28 (2006.01) E04D 1/22 (2006.01)**  
[25] EN  
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**  
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**  
[72] BUZZA, STEPHEN A., US  
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US  
[22] 2015-04-22  
[41] 2015-10-30  
[30] US (14/266,294) 2014-04-30  
[30] US (14/527,279) 2014-10-29

[21] **2,888,825**  
[13] A1

[51] **Int.Cl. E04D 1/28 (2006.01) E04D 1/12 (2006.01)**  
[25] EN  
[54] **ROOFING SHINGLE SYSTEM AND SHINGLES FOR USE THEREIN**  
[54] **SYSTEME DE BARDEAUX DE TOITURE ET BARDEAUX DESTINES AUDIT SYSTEME**  
[72] LEITCH, OLAN, US  
[72] MARREN, SEAN, US  
[72] MCDOWELL, DESTREY C., US  
[72] BUZZA, STEPHEN A., US  
[71] BUILDING MATERIALS INVESTMENT CORPORATION, US  
[22] 2015-04-22  
[41] 2015-10-30  
[30] US (14/266,294) 2014-04-30  
[30] US (14/527,279) 2014-10-29  
[30] US (14/577,029) 2014-12-19

[21] **2,888,855**  
[13] A1

[51] **Int.Cl. E03C 1/04 (2006.01) F16K 11/00 (2006.01) F16L 3/015 (2006.01)**  
[25] EN  
[54] **FAUCET WITH ARTICULATING ARM**  
[54] **ROBINET DOTE D'UN BRAS ARTICULE**  
[72] ENLOW, BRIAN A., US  
[72] CROWE, DARRELL S., US  
[72] THOMAS, KURT J., US  
[71] DELTA FAUCET COMPANY, US  
[22] 2015-04-24  
[41] 2015-10-28  
[30] US (61/985,105) 2014-04-28

[21] **2,888,864**  
[13] A1

[51] **Int.Cl. G01N 37/00 (2006.01) G01M 99/00 (2011.01) F16L 55/00 (2006.01) G01N 23/02 (2006.01) G01N 27/90 (2006.01) G01N 29/265 (2006.01) G21C 17/017 (2006.01)**  
[25] EN  
[54] **INSPECTION SYSTEM FOR INSPECTING IN-SERVICE PIPING OR TUBING**  
[54] **DISPOSITIF D'INSPECTION SERVANT A INSPECTER DES TUYAUX OU DES TUBAGES EN SERVICE**  
[72] FISHER, BENJAMIN D., US  
[71] INTECH, INC., US  
[22] 2015-04-24  
[41] 2015-10-25  
[30] US (61/984,717) 2014-04-25  
[30] US (62/002,372) 2014-05-23  
[30] US (14/695,497) 2015-04-24

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[21] **2,888,876**  
[13] A1

[51] **Int.Cl. B41F 35/02 (2006.01) B41F 7/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR IMPLEMENTING A RELEASE FILM FOR A CLEANING UNIT IN AN IMAGE FORMING DEVICE USING DIGITAL OFFSET LITHOGRAPHIC PRINTING TECHNIQUES**

[54] **SYSTEMES ET METHODES DE DEPLOIEMENT D'UNE PELLICULE POUR UN MODULE DE NETTOYAGE DANS UN DISPOSITIF DE FORMATION D'IMAGE A L'AIDE DE TECHNIQUES D'IMPRESSION LITHOGRAPHIQUE OFFSET NUMERIQUE**

[72] THAYER, BRUCE EARL, US

[71] XEROX CORPORATION, US

[22] 2015-04-20

[41] 2015-10-30

[30] US (14/266,498) 2014-04-30

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[21] **2,888,881**  
[13] A1

[51] **Int.Cl. C09D 201/00 (2006.01) B41M 5/025 (2006.01) C09D 5/00 (2006.01) C09D 7/12 (2006.01)**

[25] EN

[54] **FILM-FORMING HYDROPHILIC POLYMERS FOR TRANSFIX PRINTING PROCESS**

[54] **POLYMERES HYDROPHILES FORMANT UNE PELLICULE DESTINES AU PROCEDE D'IMPRESSION TRANSFIX**

[72] SONG, GUIQIN, GAIL, CA

[72] SISLER, GORDON, CA

[72] YANG, SUXIA, CA

[72] ZHANG, QI, CA

[72] DOOLEY, BRYNN, CA

[72] MAYO, JAMES D., CA

[72] IFTIME, GABRIEL, US

[72] LIU, CHU-HENG, US

[72] ABRAHAM, BIBY ESTHER, CA

[71] XEROX CORPORATION, US

[22] 2015-04-20

[41] 2015-10-30

[30] US (14/266,484) 2014-04-30

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[21] **2,888,884**  
[13] A1

[51] **Int.Cl. B41M 5/52 (2006.01) C09D 7/12 (2006.01) C09D 129/04 (2006.01)**

[25] EN

[54] **SACRIFICIAL COATING AND INDIRECT PRINTING APPARATUS EMPLOYING SACRIFICIAL COATING ON INTERMEDIATE TRANSFER MEMBER**

[54] **REVETEMENT SACRIFICIEL ET APPAREIL D'IMPRESSION INDIRECTE EMPLOYANT LE REVETEMENT SACRIFICIEL SUR UN ELEMENT DE TRANSFERT INTERMEDIAIRE**

[72] SONG, GUIQIN, GAIL, CA

[72] SISLER, GORDON, CA

[72] YANG, SUXIA, CA

[72] ZHANG, QI, CA

[72] ABRAHAM, BIBY ESTHER, CA

[72] DOOLEY, BRYNN, CA

[72] IFTIME, GABRIEL, US

[72] LIU, CHU-HENG, US

[71] XEROX CORPORATION, US

[22] 2015-04-20

[41] 2015-10-30

[30] US (14/266,375) 2014-04-30

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[21] **2,888,888**  
[13] A1

[51] **Int.Cl. B41F 7/32 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR IMPLEMENTING A VAPOR CONDENSATION TECHNIQUE FOR DELIVERING A UNIFORM LAYER OF DAMPENING SOLUTION IN AN IMAGE FORMING DEVICE USING A VARIABLE DATA DIGITAL LITHOGRAPHIC PRINTING PROCESS**

[54] **MECANISMES ET METHODES DE MISE EN PLACE D'UNE TECHNIQUE DE CONDENSATION DE VAPEUR DESTINEE A FOURNIR UNE COUCHE UNIFORME DE SOLUTION D'ATTENUATION DANS UN DISPOSITIF DE FORMATION D'IMAGE A L'AIDE D'UN PROCEDE D'IMPRESSION LITHOGRAPHIQUE NUMERIQUE A DONNEES VARIABLES**

[72] LIU, CHU-HENG, US

[72] BADESHA, SANTOKH, US

[71] XEROX CORPORATION, US

[22] 2015-04-20

[41] 2015-10-28

[30] US (14/264018) 2014-04-28

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[21] **2,889,176**  
[13] A1

[51] **Int.Cl. F16L 3/223 (2006.01) E04B 1/18 (2006.01) E04B 1/38 (2006.01) F16B 7/04 (2006.01) F16L 3/24 (2006.01)**

[25] EN

[54] **TRAPEZE HANGER SYSTEM INCLUDING TRAPEZE HANGER FITTING**

[54] **SYSTEME DE SUPPORT A TRAPEZE COMPORTANT UNE FIXATION DE SUPPORT A TRAPEZE**

[72] KNUTSON, JAMES A., US

[72] ZHANG, ZHIHUI, US

[71] COOPER TECHNOLOGIES COMPANY, US

[22] 2015-04-23

[41] 2015-10-30

[30] US (61/986,571) 2014-04-30

[30] US (61/987,894) 2014-05-02

**Demandes canadiennes mises à la disponibilité du public**  
**25 octobre 2015 au 31 octobre 2015**

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[21] **2,889,194**  
[13] A1

[51] **Int.Cl. A01K 39/00 (2006.01)**  
[25] EN  
[54] **EMPTY SEED SHELLS  
REMOVING APPARATUS**  
[54] **APPAREIL D'EXTRACTION DE  
COQUILLES VIDEES DE LEUR  
GRAINE**  
[72] ISSA, JOSEPH, CA  
[71] ISSA, JOSEPH, CA  
[22] 2015-04-23  
[41] 2015-10-25  
[30] GB (1407359.7) 2014-04-25

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[21] **2,889,223**  
[13] A1

[51] **Int.Cl. E04B 1/82 (2006.01) E04B 9/00  
(2006.01)**  
[25] EN  
[54] **SOUNDPROOFING SYSTEM FOR  
USE WITH PARTITION WALLS  
AND OTHERS**  
[54] **SYSTEME D'ISOLATION  
ACOUSTIQUE DESTINE AUX  
MURS SEPARATEURS ET  
AUTRES**  
[72] SOREL, MAXIME, CA  
[71] SOREL, MAXIME, CA  
[22] 2015-04-23  
[41] 2015-10-26  
[30] GB (1407369.6) 2014-04-26

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[21] **2,889,226**  
[13] A1

[51] **Int.Cl. E21B 37/00 (2006.01) E21B  
41/00 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR  
REMOVING DEPOSITS FROM A  
FORMATION FLUID OR GAS  
TRANSPORTATION MEANS**  
[54] **METHODE ET DISPOSITIF  
SERVANT A RETIRER DES  
DEPOTS D'UN MECANISME DE  
TRANSPORT DE FLUIDE OU DE  
GAZ DE FORMATION**  
[72] PARKER, TODD, CA  
[72] CARROLL, SHAWN, CA  
[72] SKIBINSKI, DAN, CA  
[71] BLUE SPARK ENERGY INC., CA  
[22] 2015-04-24  
[41] 2015-10-28  
[30] US (61/985,250) 2014-04-28

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[21] **2,889,227**  
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01) E21B  
43/28 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR  
STIMULATING A TREATMENT  
ZONE NEAR A WELLBORE AREA  
OF A SUBTERRANEAN  
FORMATION**  
[54] **METHODE ET DISPOSITIF DE  
STIMULATION DE ZONE DE  
TRAITEMENT A PROXIMITE  
D'UNE ZONE DE TROU DE  
FORAGE D'UNE FORMATION  
SOUTERRAINE**  
[72] PARKER, TODD, CA  
[72] CARROLL, SHAWN, CA  
[72] SKIBINSKI, DAN, CA  
[71] BLUE SPARK ENERGY INC., CA  
[22] 2015-04-24  
[41] 2015-10-28  
[30] US (61/985,258) 2014-04-28

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[21] **2,889,293**  
[13] A1

[51] **Int.Cl. F16K 31/53 (2006.01) E03B  
9/00 (2006.01) F16K 31/46 (2006.01)  
F16K 37/00 (2006.01)**  
[25] EN  
[54] **VERTICAL INDICATOR POST  
WITH TORQUE-REDUCING  
GEARING**  
[54] **MONTANT INDICATEUR  
VERTICAL DOTE D'UN  
ENGRENAGE REDUISANT LE  
COUPLE**  
[72] FAN, QINGWEI, CN  
[72] ZHANG, HUITING, CN  
[71] WEILONG VALVE COMPANY,  
LTD., CN  
[22] 2015-04-24  
[41] 2015-10-25  
[30] US (14/261,857) 2014-04-25

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[21] **2,889,297**  
[13] A1

[51] **Int.Cl. A47F 3/04 (2006.01) F25D 3/00  
(2006.01) F25D 16/00 (2006.01) F25D  
17/04 (2006.01)**  
[25] EN  
[54] **REFRIGERATED DISPLAY CASE  
WITH TEMPERATURE  
CONTROLLED SHELVES**  
[54] **BOITIER DE PRESENTATION  
REFRIGERE COMPORTANT DES  
TABLETTES A TEMPERATURE  
CONTROLEE**  
[72] GOMES, ALBERTO REGIO, US  
[72] DELVENTURA, ROBERT PAUL, US  
[71] HEATCRAFT REFRIGERATION  
PRODUCTS LLC, US  
[22] 2015-04-24  
[41] 2015-10-30  
[30] US (14/265,396) 2014-04-30

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[21] **2,889,322**  
[13] A1

[51] **Int.Cl. A01M 31/00 (2006.01) A01M  
23/00 (2006.01) H04R 1/34 (2006.01)**  
[25] EN  
[54] **TURKEY SENSOR**  
[54] **DETECTEUR DE DINDE**  
[72] BYERLY, STEVE FOSTER, US  
[71] BYERLY, STEVE FOSTER, US  
[22] 2015-04-27  
[41] 2015-10-25  
[30] US (61/984,153) 2014-04-25  
[30] US (14/693,954) 2015-04-23

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[21] **2,889,351**  
[13] A1

[51] **Int.Cl. E21B 34/08 (2006.01) E21B  
43/12 (2006.01)**  
[25] EN  
[54] **PRESSURE REGULATED  
DOWNHOLE EQUIPMENT**  
[54] **EQUIPEMENT DE FOND DE TROU  
A REGULATION DE PRESSION**  
[72] MORRISON, JEFFREY, US  
[71] WEATHERFORD TECHNOLOGY  
HOLDINGS, LLC, US  
[22] 2015-04-27  
[41] 2015-10-28  
[30] US (61/985,159) 2014-04-28

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[21] **2,889,356**  
[13] A1

[51] **Int.Cl. F04B 53/16 (2006.01) B23D 57/02 (2006.01) B23Q 11/10 (2006.01) B27B 17/12 (2006.01) F04B 15/02 (2006.01) F04B 17/05 (2006.01) F04B 53/14 (2006.01) F16N 13/02 (2006.01)**

[25] EN  
[54] **CHAIN SAW AND FLUID PUMP**  
[54] **SCIE A CHAINE ET POMPE**  
[72] YAMAOKA, TOSHINARI, CN  
[72] NIE, FANGJIE, CN  
[72] FU, HUIXING, CN  
[71] CHERVON INTELLECTUAL PROPERTY LIMITED, VG  
[22] 2015-04-27  
[41] 2015-10-29  
[30] CN (201410179369.3) 2014-04-29  
[30] CN (201420216228.X) 2014-04-29  
[30] US (14/694,293) 2015-04-23

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[21] **2,889,358**  
[13] A1

[51] **Int.Cl. E03F 5/16 (2006.01) E03C 1/26 (2006.01) E03F 5/14 (2006.01)**

[25] EN  
[54] **GREASE INTERCEPTOR**  
[54] **INTERCEPTEUR DE GRAISSE**  
[72] DAWES, MATTHEW, US  
[72] HENRY, MICHAEL, US  
[71] ZURN INDUSTRIES, LLC, US  
[22] 2015-04-28  
[41] 2015-10-29  
[30] US (61/985,584) 2014-04-29  
[30] US (14/696,987) 2015-04-27

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[21] **2,889,367**  
[13] A1

[51] **Int.Cl. G09B 9/00 (2006.01) G06F 19/00 (2011.01)**

[25] EN  
[54] **SYSTEMS, METHODS, AND APPARATUS FOR GENERATING CUSTOMIZED VIRTUAL REALITY EXPERIENCES**  
[54] **SYSTEMES, METHODES ET APPAREILS SERVANT A PRODUIRE DES EXPERIENCES DE REALITE VIRTUELLE PERSONNALISEES**  
[72] DADDONA, AMY E., US  
[72] EDINGER, HENRY F., US  
[72] MARTIN, SEAN D., US  
[72] TRAEGER, NIRMAL, US  
[72] HUMPHREY, SCOTT D., US  
[72] RANSFORD, AUDRA L., US  
[71] THE TRAVELERS INDEMNITY COMPANY, US  
[22] 2015-04-27  
[41] 2015-10-26  
[30] US (61/984,763) 2014-04-26

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[21] **2,889,374**  
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/575 (2006.01) E21B 21/00 (2006.01) E21B 43/267 (2006.01)**

[25] EN  
[54] **COMPOSITIONS AND METHODS FOR MAKING AQUEOUS SLURRY**  
[54] **COMPOSES ET METHODES DE FABRICATION DE BOUES AQUEUSES**  
[72] ZHANG, KEWEI, CA  
[72] LUI, SHANG YING, CA  
[72] WANG, CHUANZHONG, CA  
[72] LU, WEIBING, CA  
[71] TRICAN WELL SERVICE LTD., CA  
[22] 2015-04-24  
[41] 2015-10-25  
[30] CA (2,849,848) 2014-04-25  
[30] CA (2,857,890) 2014-07-29

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[21] **2,889,377**  
[13] A1

[51] **Int.Cl. A61B 5/055 (2006.01) A61B 18/12 (2006.01) A61B 19/00 (2006.01)**

[25] EN  
[54] **CHECKING FOR PERFORATION OF THE EPICARDIUM USING MAGNETIC RESONANCE IMAGING**  
[54] **VERIFICATION DE LA PERFORATION DE L'EPICARDE A L'AIDE DE L'IMAGERIE PAR RESONNANCE MAGNETIQUE**  
[72] SCHWARTZ, YITZHACK, IL  
[72] GOVARI, ASSAF, IL  
[72] GLINER, VADIM, IL  
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL  
[22] 2015-04-24  
[41] 2015-10-29  
[30] US (14/264,532) 2014-04-29

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[21] **2,889,386**  
[13] A1

[51] **Int.Cl. C07F 15/04 (2006.01) B01J 23/755 (2006.01) C07C 2/32 (2006.01)**

[25] FR  
[54] **NEW NICKEL-BASED COMPLEXES AND THEIR USE IN AN OLEFIN TRANSFORMATION PROCESS**  
[54] **NOUVEAUX COMPLEXES A BASE DE NICKEL ET LEUR UTILISATION DANS UN PROCEDE DE TRANSFORMATIONS DES OLEFINES**  
[72] BOULENS, PIERRE, FR  
[72] BREUIL, PIERRE-ALAIN, FR  
[72] REEK, JOOST, NL  
[72] OLIVIER-BOURBIGOU, HELENE, FR  
[71] IFP ENERGIES NOUVELLES, FR  
[71] UNIVERSITEIT VAN AMSTERDAM, NL  
[22] 2015-04-23  
[41] 2015-10-28  
[30] FR (14 53 817) 2014-04-28

**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,889,400**  
[13] A1

[51] **Int.Cl. A47B 47/02 (2006.01) A47B 5/00 (2006.01) A47B 55/00 (2006.01) A47B 96/02 (2006.01) B25H 3/00 (2006.01) B25H 3/04 (2006.01) B65G 1/00 (2006.01)**

[25] EN  
[54] **STORAGE APPARATUS**  
[54] **APPAREIL DE STOCKAGE**  
[72] SHAH, PARAG, CA  
[72] SPANO, FRANK, CA  
[72] VANDENHAM, ROBERT, CA  
[71] NEWAGE PRODUCTS INC., CA  
[22] 2015-04-28  
[41] 2015-10-28  
[30] US (61/984,909) 2014-04-28

[21] **2,889,410**  
[13] A1

[51] **Int.Cl. E21C 35/00 (2006.01) E21C 27/30 (2006.01)**

[25] EN  
[54] **CONTROLLING CROWD RUNAWAY OF AN INDUSTRIAL MACHINE**  
[54] **CONTROLE D'EMBALLLEMENT D'AMAS D'UNE MACHINE INDUSTRIELLE**  
[72] VOELZ, NICHOLAS R., IS  
[72] LINSTROTH, MICHAEL, IS  
[71] HARNISCHFEGER TECHNOLOGIES, INC., US  
[22] 2015-04-24  
[41] 2015-10-25  
[30] US (61/984,322) 2014-04-25

[21] **2,889,412**  
[13] A1

[51] **Int.Cl. B65G 59/00 (2006.01) B65G 59/06 (2006.01)**

[25] EN  
[54] **PALLET CHECKER**  
[54] **VERIFICATEUR DE PALETTE**  
[72] RAHMAN, STEVEN ALLEN, US  
[72] OPSAHL, SCOTT, US  
[72] ROSA, MARK, US  
[71] CANNON EQUIPMENT LLC, US  
[22] 2015-04-27  
[41] 2015-10-28  
[30] US (61/985,239) 2014-04-28  
[30] US (14/695,581) 2015-04-24

[21] **2,889,414**  
[13] A1

[51] **Int.Cl. H01M 8/04 (2006.01)**

[25] EN  
[54] **FUEL CELL SYSTEM AND CONTROL METHOD THEREOF**  
[54] **DISPOSITIF A PILE A COMBUSTIBLE ET METHODE DE CONTROLE ASSOCIEE**  
[72] MATSUSUE, MASAOKI, JP  
[71] TOYOTA JIDOSHA KUBUSHIKI KAISHA, JP  
[22] 2015-04-24  
[41] 2015-10-25  
[30] JP (2014-090941) 2014-04-25

[21] **2,889,418**  
[13] A1

[51] **Int.Cl. H04N 19/87 (2014.01) H04N 19/142 (2014.01) H04N 19/176 (2014.01) H04N 19/177 (2014.01) H04N 19/186 (2014.01) H04N 19/625 (2014.01)**

[25] EN  
[54] **VIDEO MANAGEMENT**  
[54] **GESTION VIDEO**  
[72] RAMASWAMY, SRINATH V., US  
[71] COMCAST CABLE COMMUNICATIONS, LLC, US  
[22] 2015-04-24  
[41] 2015-10-28  
[30] US (14/263,459) 2014-04-28

[21] **2,889,419**  
[13] A1

[51] **Int.Cl. H01Q 1/12 (2006.01) H01Q 1/28 (2006.01) H01Q 21/00 (2006.01)**

[25] EN  
[54] **ARRAY OF TWO TWIN-REFLECTOR ANTENNAS MOUNTED ON A COMMON SUPPORT AND A SATELLITE COMPRISING THIS ARRAY**  
[54] **RESEAU DE DEUX ANTENNES A DOUBLE REFLECTEUR INSTALLEES SUR UN SUPPORT COMMUN ET UN SATELLITE COMPRENANT LEDIT RESEAU**  
[72] CARTAILLAC, ERWAN, FR  
[72] POUYEZ, STEPHANE, FR  
[72] MEDICI, DANIEL, FR  
[72] BOFFELLI, STEPHANE, FR  
[72] GERARD, ALAIN, FR  
[71] THALES, FR  
[22] 2015-04-24  
[41] 2015-10-25  
[30] FR (1400978) 2014-04-25

[21] **2,889,442**  
[13] A1

[51] **Int.Cl. E04F 13/16 (2006.01) E04F 13/18 (2006.01)**

[25] EN  
[54] **THERMOPLASTIC-BASED BUILDING PRODUCT AND RELATED METHODS**  
[54] **PRODUIT DE CONSTRUCTION A BASE THERMOPLASTIQUE ET METHODES ASSOCIEES**  
[72] GUHDE, BRIAN, US  
[72] DENNIS, CRAIG, US  
[72] PRATT, CHARLES, US  
[71] AMERICHEM, INC., US  
[22] 2015-04-28  
[41] 2015-10-28  
[30] US (61/985,428) 2014-04-28  
[30] US (61/985,439) 2014-04-28

[21] **2,889,464**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/22 (2006.01) E21B 43/241 (2006.01)**

[25] EN  
[54] **HYDROCARBON RECOVERY PROCESS**  
[54] **PROCEDE DE RECUPERATION D'HYDROCARBURE**  
[72] CHEN, SAM, CA  
[72] GUPTA, SUBODH, CA  
[72] WINESTOCK, ALVIN, CA  
[71] CENOVUS ENERGY INC, CA  
[22] 2015-04-28  
[41] 2015-10-28  
[30] US (61/985,307) 2014-04-28

[21] **2,889,468**  
[13] A1

[51] **Int.Cl. F21V 21/14 (2006.01) F21S 8/02 (2006.01) F21V 21/04 (2006.01) F21V 21/30 (2006.01)**

[25] EN  
[54] **RECESSED LUMINAIRE**  
[54] **LUMINAIRE ENCASTRE**  
[72] VICE, EDWIN, UA  
[72] DOUBEK, DAVID E., UA  
[72] CHUNG, CASEY, UA  
[71] FOCAL POINT, L.L.C., US  
[22] 2015-04-28  
[41] 2015-10-28  
[30] US (14/263,638) 2014-04-28

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[21] **2,889,471**  
[13] A1

[51] **Int.Cl. B66C 1/04 (2006.01) B21D 43/00 (2006.01) B25J 15/00 (2006.01) B62D 65/00 (2006.01) B66C 1/02 (2006.01) F16B 47/00 (2006.01)**

[25] EN  
[54] **LIFTER CUPS**  
[54] **COUPELLES DE LEVAGE**  
[72] MOORE, WILLIAM, US  
[72] EARLE, JOHN, US  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2015-04-28  
[41] 2015-10-30  
[30] US (61/986,596) 2014-04-30  
[30] US (14/695,637) 2015-04-24

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[21] **2,889,532**  
[13] A1

[51] **Int.Cl. A63B 21/04 (2006.01)**

[25] EN  
[54] **MANDREL**  
[54] **MANDRIN**  
[72] WOLF, WAYNE A., CA  
[71] WOLF, WAYNE A., CA  
[22] 2015-04-30  
[41] 2015-10-30  
[30] US (61986712) 2014-04-30

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[21] **2,889,539**  
[13] A1

[51] **Int.Cl. F04D 13/08 (2006.01) F04D 13/10 (2006.01) F04D 15/00 (2006.01)**

[25] EN  
[54] **APPARATUS, SYSTEM AND METHOD FOR REDUCING GAS TO LIQUID RATIOS IN SUBMERSIBLE PUMP APPLICATIONS**  
[54] **APPAREILS, SYSTEME ET PROCEDE DE REDUCTION DES RAPPORTS GAZ-LIQUIDE DANS LES APPLICATIONS DE POMPE SUBMERSIBLE**  
[72] STEWART, JOSEPH, US  
[72] NOWITZKI, WESLEY JOHN, US  
[72] KENNER, JOHN VANDERSTAAY, US  
[71] SUMMIT ESP, LLC, US  
[22] 2015-04-27  
[41] 2015-10-28  
[30] US (61/985,044) 2014-04-28

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[21] **2,889,542**  
[13] A1

[51] **Int.Cl. F16N 9/00 (2006.01) B64D 35/00 (2006.01) F16H 57/04 (2010.01) F16H 57/08 (2006.01) F16N 1/00 (2006.01) F16N 13/20 (2006.01)**

[25] EN  
[54] **EPYCYCLIC TRANSMISSION PROVIDED WITH A LUBRICATING SYSTEM**  
[54] **TRANSMISSION EPYCYCLIQUE COMPORTANT UN MECANISME DE LUBRIFICATION**  
[72] ALTAMURA, PAOLO, IT  
[71] GE AVIO S.R.L., IT  
[22] 2015-04-27  
[41] 2015-10-30  
[30] IT (TO2014A000351) 2014-04-30

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[21] **2,889,551**  
[13] A1

[51] **Int.Cl. F21V 21/08 (2006.01) F21S 6/00 (2006.01) F21V 17/00 (2006.01)**

[25] EN  
[54] **OUTDOOR LIGHT WITH DUAL INSTALLATION OPTIONS**  
[54] **ECLAIRAGE EXTERIEUR COMPORTANT DEUX OPTIONS D'INSTALLATION**  
[72] JEPSON, RAYMOND, CA  
[71] ARTIKA FOR LIVING INC., CA  
[22] 2015-04-29  
[41] 2015-10-29  
[30] US (61/985,753) 2014-04-29

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[21] **2,889,560**  
[13] A1

[51] **Int.Cl. A47L 23/00 (2006.01) A43B 5/06 (2006.01) A43B 7/00 (2006.01) A43C 15/00 (2006.01) A47L 13/17 (2006.01) F21V 33/00 (2006.01)**

[25] EN  
[54] **APPARATUS FOR A SHOE**  
[54] **APPAREIL DESTINE A UNE CHAUSSURE**  
[72] MERAW, MICHAEL J., CA  
[72] DYCKOW, DEAN, CA  
[72] GARIPAGA OGLU, ESER, US  
[71] TECHNOSLIPS INC., CA  
[22] 2015-04-24  
[41] 2015-10-25  
[30] CA (2,850,098) 2014-04-25  
[30] US (62/144,430) 2015-04-08

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[21] **2,889,576**  
[13] A1

[51] **Int.Cl. A62B 35/00 (2006.01) B66F 11/04 (2006.01) B66F 17/00 (2006.01) F16P 1/00 (2006.01)**

[25] EN  
[54] **SAFETY RESTRAINT SYSTEM FOR AN ELEVATED WORKER'S BUCKET**  
[54] **MECANISME DE SECURITE POUR GODET DE TRANSPORT DE TRAVAILLEUR EN HAUTEUR**  
[72] LARUE, ROBERT, US  
[71] BUCKINGHAM MANUFACTURING CO., INC., US  
[22] 2015-04-28  
[41] 2015-10-28  
[30] US (61/985,194) 2014-04-28

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[21] **2,889,585**  
[13] A1

[51] **Int.Cl. H04L 12/66 (2006.01) B60R 16/02 (2006.01) H04L 12/28 (2006.01)**

[25] EN  
[54] **DEVICE AND METHOD FOR ALLOWING INTEGRATION OF INCOMPATIBLE DEVICES INTO A VEHICLE BUS NETWORK**  
[54] **DISPOSITIF ET METHODE DESTINES A PERMETTRE L'INTEGRATION DE DISPOSITIFS COMPATIBLES DANS UN RESEAU DE BUS DE VEHICULE**  
[72] BETTENCOURT, HAROLD RAY, US  
[72] BETTENCOURT, NICHOLAS RYAN, US  
[71] BETTENCOURT, HAROLD RAY, US  
[71] BETTENCOURT, NICHOLAS RYAN, US  
[22] 2015-04-27  
[41] 2015-10-29  
[30] US (61/985,525) 2014-04-29  
[30] US (14/693,911) 2015-04-23

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[21] **2,889,601**  
[13] A1

[51] **Int.Cl. C07F 9/50 (2006.01) B01J 27/185 (2006.01) C07C 2/36 (2006.01)**  
[25] FR  
[54] **NEW NICKEL-BASED CYCLIC COMPOUNDS AND THEIR USE IN AN OLEFIN TRANSFORMATION PROCESS**  
[54] **NOUVEAUX COMPLEXES CYCLIQUES A BASE DE NICKEL ET LEUR UTILISATION DANS UN PROCEDE DE TRANSFORMATION DES OLEFINES**  
[72] BOULENS, PIERRE, FR  
[72] BREUIL, PIERRE-ALAIN, FR  
[72] REEK, JOOST, NL  
[72] OLIVIER-BOURBIGOU, HELENE, FR  
[71] IFP ENERGIES NOUVELLES, FR  
[71] UNIVERSITEIT VAN AMSTERDAM, NL  
[22] 2015-04-23  
[41] 2015-10-28  
[30] FR (14 53 818) 2014-04-28

[21] **2,889,602**  
[13] A1

[51] **Int.Cl. B01J 27/185 (2006.01) C07C 2/36 (2006.01) C07F 9/50 (2006.01)**  
[25] FR  
[54] **NEW NICKEL-BASED CYCLIC COMPOUND AND ITS USE IN AN OLEFIN OLIGOMERIZATION PROCESS**  
[54] **NOUVELLE COMPOSITION CATALYTIQUE A BASE DE NICKEL ET SON UTILISATION DANS UN PROCEDE D'OLIGOMERISATION DES OLEFINES**  
[72] BOULENS, PIERRE, FR  
[72] BREUIL, PIERRE-ALAIN, FR  
[72] REEK, JOOST, FR  
[72] OLIVIER-BOURBIGOU, HELENE, FR  
[71] IFP ENERGIES NOUVELLES, FR  
[71] UNIVERSITEIT VAN AMSTERDAM, NL  
[22] 2015-04-23  
[41] 2015-10-28  
[30] FR (14 53 816) 2014-04-28

[21] **2,889,654**  
[13] A1

[51] **Int.Cl. H04N 5/33 (2006.01)**  
[25] FR  
[54] **TREATMENT PROCESS FOR CORRECTION OF NON-UNIFORMITIES IN AN INFRARED IMAGE**  
[54] **PROCEDE DE TRAITEMENT D'UNE IMAGE INFRAROUGE POUR UNE CORRECTION DES NON UNIFORMITES**  
[72] SARAGAGLIA, AMAURY, FR  
[72] DURAND, ALAIN, FR  
[71] ULIS, FR  
[22] 2015-04-28  
[41] 2015-10-30  
[30] FR (14/53917) 2014-04-30

[21] **2,889,686**  
[13] A1

[51] **Int.Cl. A47B 19/08 (2006.01) A47B 21/00 (2006.01) A47F 5/11 (2006.01) F16M 13/00 (2006.01)**  
[25] EN  
[54] **SUPPORTING STAND**  
[54] **SUPPORT**  
[72] HOLMES, RYAN A., CA  
[72] SUCHY, STEVEN A., CA  
[71] ORI ENTERPRISES LTD., CA  
[22] 2015-04-30  
[41] 2015-10-30  
[30] US (61/986,429) 2014-04-30

[21] **2,889,778**  
[13] A1

[51] **Int.Cl. G09B 5/02 (2006.01) G06F 3/048 (2013.01) G09B 9/00 (2006.01)**  
[25] EN  
[54] **VIRTUAL INTERACTIVE LEARNING ENVIRONMENT**  
[54] **ENVIRONNEMENT D'APPRENTISSAGE INTERACTIF VIRTUEL**  
[72] SANNANDEJI, SAMAN, CA  
[72] VERMEULEN, STEVEN, CA  
[71] MODEST TREE MEDIA INC., CA  
[22] 2015-04-28  
[41] 2015-10-28  
[30] US (61/985,054) 2014-04-28

[21] **2,889,825**  
[13] A1

[51] **Int.Cl. A61B 5/083 (2006.01) A61B 5/08 (2006.01) A61M 16/06 (2006.01)**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR THE DETECTION OF THE CONCENTRATION AND/OR AMOUNT OF CARBON DIOXIDE PER UNIT OF TIME CONTAINED IN A FLOW OF GAS TO BE MONITORED**  
[54] **PROCEDE ET APPAREIL DE DETECTION DE LA CONCENTRATION OU DE LA QUANTITE DE DIOXYDE DE CARBONE PAR UNITE DE TEMPS CONTENU DANS UN FLUX DE GAZ A SURVEILLER**  
[72] BORSARI, MAURIZIO, IT  
[71] DIMAR S.R.L. UNIPERSONALE, IT  
[22] 2015-04-29  
[41] 2015-10-30  
[30] IT (MI2014A000802) 2014-04-30

[21] **2,889,829**  
[13] A1

[51] **Int.Cl. B65G 53/04 (2006.01)**  
[25] EN  
[54] **PNEUMATIC CONVEYOR**  
[54] **TRANSPORTEUR PNEUMATIQUE**  
[72] MCILRATH, MICHAEL, CA  
[72] DUBECK, BRENDA, CA  
[71] COMPASS MINERALS MANITOBA INC., CA  
[22] 2015-04-30  
[41] 2015-10-30  
[30] US (61/986,634) 2014-04-30

[21] **2,889,836**  
[13] A1

[51] **Int.Cl. B21D 45/02 (2006.01)**  
[25] EN  
[54] **STOCK EJECTOR ASSEMBLY**  
[54] **DISPOSITIF EJECTEUR DE MATIERE**  
[72] PYPER, JOEL T., US  
[72] BREEN, SCOTT M., US  
[71] STANDARD LIFTERS, INC., US  
[22] 2015-04-28  
[41] 2015-10-29  
[30] US (61/985,834) 2014-04-29  
[30] US (14/674,296) 2015-03-31

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[21] **2,889,839**  
[13] A1

[51] **Int.Cl. G01R 22/00 (2006.01)**  
[25] EN  
[54] **ENERGY MONITORING AND ANALYSIS SYSTEM**  
[54] **DISPOSITIF DE SURVEILLANCE ET D'ANALYSE D'ENERGIE**  
[72] KANIA, JASON, CA  
[72] RUST, ANDREW, CA  
[72] CAVANAUGH, PATRICK, CA  
[72] HEAVEN, THOMAS, CA  
[71] ONBALANCE TECHNOLOGIES INC., CA  
[22] 2015-04-30  
[41] 2015-10-30  
[30] US (61/986,531) 2014-04-30

[21] **2,889,842**  
[13] A1

[51] **Int.Cl. H02G 3/02 (2006.01) H02G 3/08 (2006.01)**  
[25] EN  
[54] **MOUNTING BRACKET FOR ELECTRICAL OR COMMUNICATION DEVICE**  
[54] **SUPPORT D'INSTALLATION POUR DISPOSITIF D'ELECTRICITE OU DE COMMUNICATION**  
[72] WITHERBEE, MARTIN LEE, US  
[71] COOPER TECHNOLOGIES COMPANY, US  
[22] 2015-04-30  
[41] 2015-10-30  
[30] US (61/986,528) 2014-04-30

[21] **2,889,852**  
[13] A1

[51] **Int.Cl. F23B 60/02 (2006.01) F23B 40/08 (2006.01) F23H 13/02 (2006.01) F23H 15/00 (2006.01) F23M 7/00 (2006.01)**  
[25] EN  
[54] **WOOD PELLET BOILER**  
[54] **CHAUDIERE A PASTILLES DE BOIS**  
[72] MACKLE, GERARD, GB  
[72] CASSELLS, JASON, GB  
[71] WARMFLOW ENGINEERING COMPANY LIMITED, GB  
[22] 2015-04-28  
[41] 2015-10-30  
[30] GB (1407569.1) 2014-04-30

[21] **2,889,871**  
[13] A1

[51] **Int.Cl. B25C 5/00 (2006.01) B25C 5/15 (2006.01)**  
[25] EN  
[54] **MOTOR-DRIVEN FASTENING TOOL**  
[54] **OUTIL DE FIXATION MOTORISE**  
[72] FLEISCHER, ERIC C., US  
[72] HARPER, ERIC G., US  
[71] ARROW FASTENER CO., LLC, US  
[22] 2015-04-29  
[41] 2015-10-30  
[30] US (14/266,050) 2014-04-30

[21] **2,889,902**  
[13] A1

[51] **Int.Cl. H04B 1/62 (2006.01) H04B 1/50 (2006.01) H04B 7/195 (2006.01) H04L 27/00 (2006.01) H04L 27/18 (2006.01)**  
[25] EN  
[54] **FREQUENCY ESTIMATOR FOR AERONAUTICAL COMMUNICATION**  
[54] **ESTIMATEUR DE FREQUENCE POUR COMMUNICATION AERONAUTIQUE**  
[72] HIRSCH, ANTONIN, FR  
[72] ARNAUD, MATHIEU, FR  
[72] ROSSET, PIERRE-ALEXANDRE, FR  
[72] ZOUITANE, KHALED, FR  
[71] THALES, FR  
[22] 2015-04-29  
[41] 2015-10-30  
[30] FR (1401007) 2014-04-30

[21] **2,890,059**  
[13] A1

[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/06 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR IN-STORE FULFILLMENT OF ONLINE PURCHASE ORDERS FOR CUSTOMIZED PRODUCTS**  
[54] **SYSTEMES ET METHODES D'EXECUTION EN MAGASIN DE COMMANDES EN LIGNE DE PRODUITS PERSONNALISES**  
[72] BRADY, CLYDE, US  
[72] CHIVARI, ANTHONY, US  
[72] DAL PAN, WALLACE, US  
[72] FUMICH, CONSTANCE, US  
[72] GIDDENS, DONALD, US  
[72] LANCASTER, JOEL, US  
[72] LILJEN, MARK, US  
[72] PARRISH, VILENA, US  
[72] VAN DE MOTTER, DOUG, US  
[72] WATT, KEVIN, US  
[72] WISEMAN, LARRY, US  
[71] THINGS REMEMBERED, INC., US  
[22] 2015-04-29  
[41] 2015-10-29  
[30] US (61/985,965) 2014-04-29

[21] **2,890,064**  
[13] A1

[51] **Int.Cl. F16L 3/223 (2006.01) E04B 1/18 (2006.01) E04B 1/38 (2006.01) F16B 7/04 (2006.01) F16B 7/20 (2006.01) F16B 37/10 (2006.01) F16L 3/24 (2006.01)**  
[25] EN  
[54] **TRAPEZE HANGER SYSTEM INCLUDING TWIST-LOCKING FITTING**  
[54] **SYSTEME DE SUPPORT A TRAPEZE COMPRENANT UN RACCORD A BLOCAGE PAR PIVOTEMENT**  
[72] ZHANG, ZHIHUI, US  
[72] GREENWALT, CHRISTOPHER LEE, US  
[71] COOPER TECHNOLOGIES COMPANY, US  
[22] 2015-04-29  
[41] 2015-10-30  
[30] US (61/986,608) 2014-04-30



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[21] **2,890,505**  
[13] A1

[51] **Int.Cl. G06F 17/40 (2006.01) B64D 47/00 (2006.01) G07C 5/00 (2006.01) G09B 5/00 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS RELATING TO TRAINING AND CERTIFICATION**

[54] **METHODES ET SYSTEMES RELATIFS A LA FORMATION ET A LA CERTIFICATION**

[72] KHAN, FAUD, CA

[71] KHAN, FAUD, CA

[22] 2015-04-30

[41] 2015-10-30

[30] US (61/986,290) 2014-04-30

[21] **2,890,557**  
[13] A1

[51] **Int.Cl. B62D 1/19 (2006.01) F16F 9/54 (2006.01) F16F 9/56 (2006.01)**

[25] EN

[54] **STEERING SHOCK COMPRESSOR SYSTEMS AND METHODS**

[54] **SYSTEMES ET METHODES PORTANT SUR UN COMPRESSEUR AMORTISSEUR DE DIRECTION**

[72] MORRIS, PATRICK ANDREW, CA

[71] TIGER TOOL INTERNATIONAL INCORPORATED, CA

[22] 2015-04-30

[41] 2015-10-30

[30] US (61/986,362) 2014-04-30

[30] US (14/699,454) 2015-04-29

[21] **2,890,558**  
[13] A1

[51] **Int.Cl. B30B 9/20 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SEPARATING SOLIDS FROM LIQUIDS**

[54] **MECANISMES ET METHODES DE SEPARATION DE SOLIDES DES LIQUIDES**

[72] DEWAARD, DAVID, US

[71] DARITECH, INC., US

[22] 2015-04-30

[41] 2015-10-30

[30] US (61/986,378) 2014-04-30

[30] US (14/699,608) 2015-04-29

[21] **2,890,566**  
[13] A1

[51] **Int.Cl. B01D 33/06 (2006.01)**

[25] EN

[54] **SIEVE DRUM AND INSTALLATION EQUIPPED WITH IT FOR REMOVING MATERIALS TO BE SIEVED FROM A LIQUID**

[54] **TAMBOUR TAMIS ET INSTALLATION COMPORTANT LEDIT TAMBOUR TAMIS DESTINES A ENLEVER LES MATIERES FILTRES D'UN LIQUIDE**

[72] SPENGER, FRANZ, DE

[72] STIEGLER, REINHARD, DE

[72] HUMMEL, DANIEL, DE

[72] KINK, MICHAEL, DE

[71] HUBER SE, DE

[22] 2015-04-29

[41] 2015-10-30

[30] DE (10 2014 106 079.2) 2014-04-30

[21] **2,890,781**  
[13] A1

[51] **Int.Cl. C10M 159/00 (2006.01) F01M 13/00 (2006.01)**

[25] EN

[54] **LUBRICATING OIL COMPOSITIONS**

[54] **COMPOSITIONS D'HUILE LUBRIFIANTE**

[72] RITCHIE, ANDREW J. D., US

[72] BOESE, DOYLE H., US

[72] GUTIERREZ, JOSE A., US

[71] INFINEUM INTERNATIONAL LIMITED, GB

[22] 2015-04-29

[41] 2015-10-29

[30] US (14/264,154) 2014-04-29

[21] **2,896,527**  
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) G06Q 10/06 (2012.01) G06F 17/00 (2006.01)**

[25] EN

[54] **WEB SERVICE ASSET MANAGEMENT AND WEB SERVICE INFORMATION STORAGE**

[54] **GESTION D'ACTIF DE SERVICE WEB ET STOCKAGE D'INFORMATION DE SERVICE WEB**

[72] PIEHLER, TODD, US

[72] MORAN, RICK, US

[72] NOONAN, CAREN, US

[72] LAPRADE, BILL, US

[71] FMR LLC, US

[22] 2015-07-09

[41] 2015-10-26

[30] US (14/327,470) 2014-07-09

[21] **2,897,661**  
[13] A1

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

[25] EN

[54] **ACCESS DOOR**

[54] **PORTE D'ACCES**

[72] WISE, DAVID R., CA

[72] BAND, KIM THOMAS SEFTON, CA

[71] MAXAM METAL PRODUCTS LIMITED, CA

[22] 2015-07-15

[41] 2015-10-27

[30] US (62/025330) 2014-07-16

[21] **2,899,092**  
[13] A1

[51] **Int.Cl. A61B 18/12 (2006.01) A61B 6/00 (2006.01)**

[25] EN

[54] **PREVENTION STEAM POPS DURING ABLATION**

[54] **PREVENTION DE DEGAGEMENTS DE VAPEUR PENDANT UNE ABLATION**

[72] GOVARI, ASSAF, IL

[72] BEECKLER, CHRISTOPHER THOMAS, US

[72] KEYES, JOSEPH THOMAS, US

[72] PAPAIOANNOU, ATHANASSIOS, US

[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL

[22] 2015-04-23

[41] 2015-10-28

[30] US (61/984,953) 2014-04-28

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[21] **2,900,130**  
[13] A1

[51] **Int.Cl. C08J 9/40 (2006.01) C08J 5/18 (2006.01) C08K 3/04 (2006.01) C08K 7/18 (2006.01) C08L 27/18 (2006.01) H01M 4/86 (2006.01) H01M 8/02 (2006.01)**

[25] EN

[54] **PREPARATION OF CONDUCTIVE EPTFE FOR APPLICATION IN POLYMER ELECTROLYTE MEMBRANE FUEL CELLS**

[54] **PREPARATION D'EPTFE CONDUCTEUR DESTINEE AUX PILES A COMBUSTIBLE A MEMBRANE ELECTROLYTE POLYMERE**

[72] ZOU, YUQUAN, CA  
[72] THOMAS, OWEN, CA  
[72] YANG, YUNSONG, CA  
[72] CHUY, CARMEN, CA  
[72] LI, JING, CA  
[71] DAIMLER AG, DE  
[71] FORD MOTOR COMPANY, US  
[22] 2015-08-10  
[41] 2015-10-30

[21] **2,901,033**  
[13] A1

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

[25] EN

[54] **SECURITIES TRADING AND PRICING SYSTEM AND METHOD USING OBSCURED INDICIA ON PHYSICAL OBJECTS**

[54] **SYSTEME DE NEGOCIATION ET D'ETABLISSEMENT DE PRIX DE TITRES ET METHODE EMPLOYANT UN INDICE OBSCURCI SUR DES OBJETS PHYSIQUES**

[72] O'BRIEN, CHARLES, CA  
[72] O'BRIEN-NARANG, DEVINDER, CA  
[71] O'BRIEN, CHARLES, CA  
[71] O'BRIEN-NARANG, DEVINDER, CA  
[22] 2015-08-18  
[41] 2015-10-26

[21] **2,901,702**  
[13] A1

[51] **Int.Cl. E21B 43/114 (2006.01)**

[25] EN

[54] **WELLBORE PERFORATING TOOL**

[54] **OUTIL DE PERFORATION D'UN Puits DE FORAGE**

[72] JANI, WILLIAM, CA  
[71] JANI, WILLIAM, CA  
[22] 2015-08-27  
[41] 2015-10-26

[21] **2,901,786**  
[13] A1

[51] **Int.Cl. C10G 1/04 (2006.01)**

[25] EN

[54] **PARAFFINIC FROTH TREATMENT**

[54] **TRAITEMENT DE MOUSSE PARAFFINIQUE**

[72] SURYO, RONALD, US  
[72] ABEL, KEITH A., CA  
[71] IMPERIAL OIL RESOURCES LIMITED, CA  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[22] 2015-08-26  
[41] 2015-10-26

[21] **2,902,637**  
[13] A1

[51] **Int.Cl. C11B 9/02 (2006.01) C11B 1/10 (2006.01)**

[25] EN

[54] **HIGH GRADE SPRUCE ESSENTIAL OIL, METHOD FOR MANUFACTURING HIGH GRADE SPRUCE ESSENTIAL OIL AND APPARATUS FOR MANUFACTURING HIGH GRADE SPRUCE ESSENTIAL OIL**

[54] **HUILE ESSENTIELLE D'EPINETTE DE GRANDE QUALITE, METHODE DE FABRICATION D'HUILE ESSENTIELLE D'EPINETTE DE GRANDE QUALITE ET APPAREIL DE FABRICATION D'HUILE ESSENTIELLE D'EPINETTE DE GRANDE QUALITE**

[72] VILLENEUVE, JEAN-CLAUDE, CA  
[71] BOREA (9302-0469 QUEBEC INC.), CA  
[22] 2015-08-28  
[41] 2015-10-30  
[30] US (62/043,742) 2014-08-29

[21] **2,903,328**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2006.01) A01H 5/10 (2006.01) C12N 5/10 (2006.01) C12N 15/00 (2006.01) C12Q 1/68 (2006.01)**

[25] EN

[54] **MAIZE HYBRID X95F581**

[54] **MAIS HYBRIDE X95F581**

[72] GROTE, EDWIN MICHAEL, US  
[72] GRANT, KELVIN GRANDY, US  
[71] PIONEER HI-BRED INTERNATIONAL, INC., US  
[22] 2015-09-03  
[41] 2015-10-29  
[30] US (14/623,601) 2015-02-17

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[21] <b>2,863,648</b> [13] A1	[21] <b>2,901,703</b> [13] A1	[21] <b>2,903,556</b> [13] A1
[51] <b>Int.Cl. B60R 11/04 (2006.01)</b> [25] EN [54] <b>SURROUNDINGS MONITORING SYSTEM, WORK VEHICLE, AND SURROUNDINGS MONITORING METHOD</b> [54] <b>MECANISME DE SURVEILLANCE D'ENTOURAGE, VEHICULE DE TRAVAIL ET METHODE DE SURVEILLANCE D'ENTOURAGE</b> [72] KURIHARA, TAKESHI, JP [72] NAKANISHI, YUKIHIRO, JP [71] KOMATSU LTD., JP [85] 2014-08-28 [86] 2014-04-25 (PCT/JP2014/061802) [87] (2863648)	[51] <b>Int.Cl. G06F 17/24 (2006.01) G06Q 10/10 (2012.01) G06F 3/14 (2006.01)</b> [25] EN [54] <b>SYSTEM AND METHOD FOR GENERATING TASK-EMBEDDED DOCUMENTS</b> [54] <b>SYSTEME ET METHODE DE PRODUCTION DE DOCUMENTS A TACHE INTEGREE</b> [72] GAGNE-LANGEVIN, MAUD, CA [72] FEDOROV, VALERIY, UA [72] GRITSAY, MAKSIM, UA [72] POTAPOV, ALEXANDER, UA [72] PELYANSKIY, MIKHAIL, UA [72] KRIVOSHEY, SVETLANA, UA [72] SHABALINA, ANNA, UA [71] GAGNE-LANGEVIN, MAUD, CA [71] FOULNES SERVICES CORP., VG [85] 2015-08-31 [86] 2015-05-12 (PCT/CA2015/050427) [87] (2901703) [30] US (62/008,743) 2014-06-06	[51] <b>Int.Cl. B23Q 9/02 (2006.01) B23K 37/02 (2006.01) B23Q 9/00 (2006.01)</b> [25] EN [54] <b>SMALL FRAME CRAWLER SYSTEM</b> [54] <b>SYSTEME DE ROBOT MOBILE A CADRE DE PETITE TAILLE</b> [72] PERLA, LUIS A., US [72] MUNK, CLAYTON LYNN, US [72] HOLLEY, STEPHEN GLADE, US [71] THE BOEING COMPANY, US [85] 2015-09-01 [86] 2014-04-22 (PCT/US2014/034897) [87] (WO2014/186093) [30] US (13/893,959) 2013-05-14
[21] <b>2,863,656</b> [13] A1	[21] <b>2,902,152</b> [13] A1	[21] <b>2,903,558</b> [13] A1
[51] <b>Int.Cl. E02F 9/26 (2006.01) E02F 9/00 (2006.01) E02F 9/24 (2006.01) G08B 13/196 (2006.01) G08B 21/02 (2006.01)</b> [25] EN [54] <b>SURROUNDINGS MONITORING SYSTEM, WORK VEHICLE, AND SURROUNDINGS MONITORING METHOD</b> [54] <b>MECANISME DE SURVEILLANCE D'ENTOURAGE, VEHICULE DE TRAVAIL ET METHODE DE SURVEILLANCE D'ENTOURAGE</b> [72] KURIHARA, TAKESHI, JP [72] NAKANISHI, YUKIHIRO, JP [71] KOMATSU LTD., JP [85] 2014-08-28 [86] 2014-04-25 (PCT/JP2014/061801) [87] (2863656)	[51] <b>Int.Cl. B23K 35/22 (2006.01) C01B 35/00 (2006.01)</b> [25] EN [54] <b>LOW CARBON BORON BEARING NICKEL BASED WELDING MATERIAL</b> [54] <b>MATERIAU DE SOUDURE A BASE DE NICKEL A FAIBLE TENEUR EN BORE ET EN CARBONE</b> [72] GONCHAROV, ALEXANDER B., CA [72] LIBURDI, JOSEPH, CA [72] LOWDEN, PAUL, CA [71] LIBURDI ENGINEERING LIMITED, CA [85] 2015-08-31 [86] 2014-10-21 (PCT/CA2014/000752) [87] (2902152) [30] US (14/263,120) 2014-04-28	[51] <b>Int.Cl. F16B 2/14 (2006.01) F16B 7/02 (2006.01) F16B 7/04 (2006.01) F16L 23/036 (2006.01)</b> [25] EN [54] <b>HIGH-CAPACITY RADIAL FIT COUPLING BOLTS</b> [54] <b>BOULONS DE COUPLAGE A AJUSTEMENT RADIAL DE GRANDE CAPACITE</b> [72] BUCKNELL, JOHN WENTWORTH, AU [71] TECHNOFAST INDUSTRIES PTY LTD, AU [85] 2015-09-02 [86] 2013-03-06 (PCT/AU2013/000209) [87] (WO2013/131132) [30] AU (2012900875) 2012-03-06

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[21] **2,903,563**  
[13] A1

[51] **Int.Cl. B07B 1/00 (2006.01) B07B 15/00 (2006.01)**  
[25] EN  
[54] **A MOBILE SCREENING APPARATUS**  
[54] **APPAREIL DE CRIBLAGE MOBILE**  
[72] ANDERSON, JOHN, AU  
[71] AAA SCREENS PTY LTD, AU  
[85] 2015-09-04  
[86] 2013-03-11 (PCT/AU2013/000230)  
[87] (WO2013/131145)  
[30] AU (2012900959) 2012-03-09

[21] **2,903,569**  
[13] A1

[51] **Int.Cl. C07D 471/08 (2006.01) A61K 31/439 (2006.01) A61P 11/00 (2006.01) A61P 15/00 (2006.01) A61P 17/00 (2006.01) A61P 27/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**  
[25] EN  
[54] **SUBSTITUTED 2-AZA-BICYCLO[2.2.1]HEPTANE-3-CARBOXYLIC ACID (BENZYL-CYANO-METHYL)-AMIDES INHIBITORS OF CATHEPSIN C**  
[54] **(BENZYL-CYANO-METHYL)-AMIDES SUBSTITUES DE L'ACIDE 2-AZA-BICYCLO[2.2.1]HEPTANE-3-CARBOXYLIQUE UTILISES COMME INHIBITEURS DE LA CATHEPSINE C**  
[72] ANDERSKEWITZ, RALF, DE  
[72] GRAUERT, MATTHIAS, DE  
[72] GRUNDL, MARC, DE  
[72] HAEBEL, PETER, WILHELM, DE  
[72] OOST, THORSTEN, DE  
[72] PAUTSCH, ALEXANDER, DE  
[72] PETERS, STEFAN, DE  
[72] BINDER, FLORIAN, DE  
[72] VINTONYAK, VIKTOR, DE  
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE  
[85] 2015-09-02  
[86] 2014-03-12 (PCT/EP2014/054794)  
[87] (WO2014/140075)  
[30] EP (13159240.4) 2013-03-14  
[30] EP (13170005.6) 2013-05-31

[21] **2,903,579**  
[13] A1

[51] **Int.Cl. A23J 1/14 (2006.01)**  
[25] EN  
[54] **METHOD FOR PROTEIN EXTRACTION FROM OIL SEED**  
[54] **PROCEDE POUR L'EXTRACTION DE PROTEINE D'UNE PLANTE OLEAGINEUSE**  
[72] JARAMILLO FREYDELL, GABRIEL ESTEBAN, NL  
[72] VERKAIK, ANTONIUS GOSEN MARIA, NL  
[72] SMOLDERS, GERARDUS JOHANNES FRANCISCUS, NL  
[71] DSM IP ASSETS B.V., NL  
[85] 2015-09-02  
[86] 2014-03-18 (PCT/EP2014/055409)  
[87] (WO2014/147068)  
[30] EP (13159752.8) 2013-03-18

[21] **2,903,584**  
[13] A1

[51] **Int.Cl. A23C 11/04 (2006.01) A23C 11/08 (2006.01)**  
[25] EN  
[54] **LIQUID CREAMER COMPOSITION COMPRISING OLEOSOMES AS REPLACEMENT FOR OIL AND METHOD OF MAKING THE SAME**  
[54] **COMPOSITION DE CREME A CAFE LIQUIDE COMPRENANT DES OLEOSOMES EN REMPLACEMENT DE L'HUILE ET SON PROCEDE DE FABRICATION**  
[72] KAPCHIE, VIRGINIE, US  
[72] BEZELGUES, JEAN-BAPTISTE, CN  
[72] MILO, CHRISTIAN, US  
[72] LESER, MARTIN ERWIN, US  
[72] SHER, ALEXANDER A., US  
[71] NESTEC S.A., CH  
[85] 2015-09-02  
[86] 2014-03-27 (PCT/EP2014/056110)  
[87] (WO2014/154780)  
[30] US (61/806,183) 2013-03-28  
[30] US (61/806,181) 2013-03-28

[21] **2,903,601**  
[13] A1

[51] **Int.Cl. A23C 11/10 (2006.01)**  
[25] EN  
[54] **CREAMER COMPOSITION COMPRISING PLANT PROTEIN MICROPARTICLES**  
[54] **COMPOSITION DE COLORANT A CAFE COMPORTANT DES MICROPARTICULES DE PROTEINES VEGETALES**  
[72] SCHMITT, CHRISTOPHE JOSEPH ETIENNE, CH  
[72] RADE-KUKIC, KORALJKA, CH  
[71] NESTEC S.A., CH  
[85] 2015-09-02  
[86] 2014-04-29 (PCT/EP2014/058736)  
[87] (WO2014/177571)  
[30] EP (13166079.7) 2013-04-30

[21] **2,903,604**  
[13] A1

[51] **Int.Cl. B66C 23/28 (2006.01) E04H 12/34 (2006.01)**  
[25] EN  
[54] **SELF ERECTING JACKING TOWER**  
[54] **TOUR DE LEVAGE A MONTAGE AUTOMATIQUE**  
[72] YUSTUS, JOE, US  
[72] JONES, MARCUS, US  
[71] KONECRANES PLC, FI  
[85] 2015-09-02  
[86] 2014-03-11 (PCT/IB2014/000290)  
[87] (WO2014/140723)  
[30] US (13/796,849) 2013-03-12

[21] **2,903,607**  
[13] A1

[51] **Int.Cl. B66C 23/28 (2006.01) B66F 3/36 (2006.01)**  
[25] EN  
[54] **HEAD ASSEMBLY FOR JACKING TOWER**  
[54] **ENSEMBLE DE TETE POUR TOUR DE LEVAGE**  
[72] YUSTUS, JOE, US  
[71] KONECRANES PLC, FI  
[85] 2015-09-02  
[86] 2014-03-11 (PCT/IB2014/000292)  
[87] (WO2014/140725)  
[30] US (13/797,877) 2013-03-12

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[21] **2,903,613**  
[13] A1

[51] **Int.Cl. B66F 7/06 (2006.01) B66F 17/00 (2006.01)**  
[25] EN  
[54] **SCISSORS LIFT ASSEMBLY FOR JACKING TOWER**  
[54] **ENSEMBLE DE SOULEVEMENT EN CISEAUX POUR TOUR DE VERINAGE**  
[72] YUSTUS, JOE, US  
[71] KONECRANES PLC, FI  
[85] 2015-09-02  
[86] 2014-03-11 (PCT/IB2014/000297)  
[87] (WO2014/140728)  
[30] US (13/797,853) 2013-03-12

[21] **2,903,626**  
[13] A1

[51] **Int.Cl. G08B 3/10 (2006.01) A61B 5/11 (2006.01) G08B 21/22 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR REDUCING THE IMPACT OF ALARM SOUNDS ON PATIENTS**  
[54] **SYSTEMES ET PROCEDES POUR REDUIRE L'IMPACT D'ALARME SONORES SUR DES PATIENTS**  
[72] KOHLRAUSCH, ARMIN GERHARD, NL  
[72] FALCK, THOMAS, NL  
[72] PARK, MUN HUM, NL  
[72] JELFS, SAM MARTIN, NL  
[72] LEUSCHNER, KATJA, NL  
[71] KONINKLIJKE PHILIPS N.V., NL  
[85] 2015-09-02  
[86] 2014-03-06 (PCT/IB2014/059477)  
[87] (WO2014/136069)  
[30] EP (13158006.0) 2013-03-06

[21] **2,906,009**  
[13] A1

[51] **Int.Cl. B01J 2/06 (2006.01)**  
[25] EN  
[54] **COMPLEXOMETRIC PRECURSOR FORMULATION METHODOLOGY FOR INDUSTRIAL PRODUCTION OF HIGH PERFORMANCE FINE AND ULTRAFINE POWDERS AND NANOPOWDERS FOR SPECIALIZED APPLICATIONS**  
[54] **METHODOLOGIE DE FORMULATION DE PRECURSEUR COMPLEXOMETRIQUE POUR LA PRODUCTION INDUSTRIELLE DE POUDRES FINES ET ULTRAFINES ET DE NANOPOUDRES HAUTES PERFORMANCES POUR DES APPLICATIONS SPECIALISEES**  
[72] FRIANEZA-KULLBERG, TERESITA, US  
[71] NANO ONE MATERIALS CORP., CA  
[85] 2015-09-11  
[86] 2014-03-14 (PCT/US2014/027056)  
[87] (WO2014/152193)  
[30] US (13/839,374) 2013-03-15

[21] **2,906,800**  
[13] A1

[51] **Int.Cl. A61K 8/42 (2006.01) A61K 8/365 (2006.01) A61K 8/81 (2006.01) A61K 8/86 (2006.01) A61Q 19/08 (2006.01)**  
[25] EN  
[54] **TOPICAL COMPOSITIONS FOR REDUCING THE EFFECTS OF AGING**  
[54] **COMPOSITIONS TOPIQUES PERMETTANT DE REDUIRE LES EFFETS DU VIEILLISSEMENT**  
[72] DURRANI, MANZER J., US  
[71] AVISENNA COSMETICS, LLC, US  
[71] DURRANI, MANZER J., US  
[85] 2015-09-14  
[86] 2014-03-15 (PCT/US2014/030033)  
[87] (WO2014/145295)  
[30] US (61/789,701) 2013-03-15  
[30] US (61/790,370) 2013-03-15

[21] **2,906,928**  
[13] A1

[51] **Int.Cl. F41H 5/04 (2006.01) F41H 5/013 (2006.01) F41H 5/06 (2006.01) F41H 5/24 (2006.01)**  
[25] EN  
[54] **BALLISTIC SHIELD**  
[54] **BOUCLIER DE PROTECTION BALISTIQUE**  
[72] WHITAKER, SCOTT R., US  
[71] WHITAKER, SCOTT R., US  
[85] 2015-09-15  
[86] 2014-03-14 (PCT/US2014/027906)  
[87] (WO2014/197084)  
[30] US (61/788,459) 2013-03-15

[21] **2,907,271**  
[13] A1

[51] **Int.Cl. A01N 25/32 (2006.01) A01C 1/06 (2006.01) C09K 3/22 (2006.01)**  
[25] EN  
[54] **COATED SEED AND METHODS FOR REDUCING SEED DUST**  
[54] **SEMENCE ENROBEE ET PROCEDES DE REDUCTION DE POUSSIERE DE SEMENCE**  
[72] REICHERT, RONALD, US  
[72] HAIRSTON, WILLIAM G., US  
[71] BAYER CROPS SCIENCE LP, US  
[85] 2015-08-07  
[86] 2013-03-15 (PCT/US2013/031888)  
[87] (WO2013/158284)  
[30] US (61/619,691) 2012-04-19

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[21] **2,907,535**  
[13] A1

[51] **Int.Cl. C07D 285/135 (2006.01) A61K 31/381 (2006.01) A61K 31/395 (2006.01) A61K 31/40 (2006.01) A61K 31/415 (2006.01) A61K 31/421 (2006.01) A61K 31/4245 (2006.01) A61K 31/426 (2006.01) A61K 31/433 (2006.01) A61K 31/4418 (2006.01) A61K 31/5386 (2006.01) C07D 207/34 (2006.01) C07D 213/75 (2006.01) C07D 231/14 (2006.01) C07D 263/34 (2006.01) C07D 271/06 (2006.01) C07D 277/46 (2006.01) C07D 333/38 (2006.01) C07D 401/12 (2006.01) C07D 417/12 (2006.01) C07D 487/08 (2006.01) C07D 498/08 (2006.01)**

[25] EN

[54] **NOVEL COMPOUNDS**

[54] **NOUVEAUX COMPOSES**

[72] THEDE, KAI, DE

[72] BENDER, ECKHARD, DE

[72] SCOTT, WILLIAM J., US

[72] RICHTER, ANJA, DE

[72] ZORN, LUDWIG, DE

[72] LIU, NINGSHU, DE

[72] MONNING, URSULA, DE

[72] SIEGEL, FRANZISKA, DE

[72] GOLZ, STEFAN, DE

[72] HAGEBARTH, ANDREA, DE

[72] LIENAU, PHILIP, DE

[72] PUEHLER, FLORIAN, US

[72] BASTING, DANIEL, DE

[72] SCHNEIDER, DIRK, DE

[72] MOWES, MANFRED, DE

[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE

[85] 2015-09-17

[86] 2014-03-17 (PCT/EP2014/055300)

[87] (WO2014/147021)

[30] US (61/803,549) 2013-03-20

[30] US (61/871,369) 2013-08-29

[30] US (61/938,779) 2014-02-12

[21] **2,907,698**  
[13] A1

[51] **Int.Cl. B01J 4/02 (2006.01) B01J 8/00 (2006.01) B65G 11/10 (2006.01) B65G 11/20 (2006.01) B65G 53/46 (2006.01) F16K 7/10 (2006.01)**

[25] FR

[54] **SUPPLYING A DISPENSING DEVICE FOR LOADING A REFINERY AND/OR PETROCHEMICAL REACTOR WITH SOLID PARTICLES**

[54] **ALIMENTATION D'UN DISPOSITIF DE DISTRIBUTION POUR CHARGER EN PARTICULES SOLIDES UN REACTEUR DE RAFFINAGE ET/OU DE PETROCHIMIE**

[72] MAIRESSE, JULIEN, FR

[72] BERRIC, GUILLAUME, FR

[72] BOCE, XAVIER, FR

[71] TOTAL RAFFINAGE CHIMIE, FR

[85] 2015-09-21

[86] 2014-05-20 (PCT/FR2014/051160)

[87] (WO2014/191652)

[30] FR (1354904) 2013-05-30

[21] **2,907,966**  
[13] A1

[51] **Int.Cl. A61K 33/00 (2006.01) A61P 9/10 (2006.01) A61P 41/00 (2006.01)**

[25] FR

[54] **DELIVERY OF ARGON TO A RECIPIENT OF BIOLOGICAL MATERIAL**

[54] **DELIVRANCE D'ARGON A UN RECEVEUR DE MATERIEL BIOLOGIQUE**

[72] KATZ, IRA, FR

[72] LEMAIRE, MARC, FR

[72] PYPE, JAN, BE

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

[85] 2015-09-24

[86] 2014-04-09 (PCT/FR2014/050847)

[87] (WO2014/167244)

[30] FR (1353313) 2013-04-12

[21] **2,908,019**  
[13] A1

[51] **Int.Cl. A61K 33/00 (2006.01) A61P 9/10 (2006.01) A61P 41/00 (2006.01)**

[25] FR

[54] **SUPPLY OF XENON OR ARGON GAS TO A DONOR PRIOR TO TAKING A SAMPLE OF BIOLOGICAL MATERIAL**

[54] **DELIVRANCE XENON OU ARGON GAZEUX A UN DONNEUR AVANT UN PRELEVEMENT DE MATERIEL BIOLOGIQUE**

[72] KATZ, IRA, FR

[72] LEMAIRE, MARC, FR

[72] PYPE, JAN, BE

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

[85] 2015-09-24

[86] 2014-04-09 (PCT/FR2014/050848)

[87] (WO2014/167245)

[30] FR (1353312) 2013-04-12

[21] **2,908,325**  
[13] A1

[51] **Int.Cl. C07D 263/32 (2006.01) A61K 31/426 (2006.01) A61P 9/00 (2006.01) A61P 11/08 (2006.01) A61P 19/02 (2006.01) A61P 23/00 (2006.01) C07D 271/10 (2006.01) C07D 277/30 (2006.01) C07D 413/10 (2006.01)**

[25] EN

[54] **BIARYL-PROPIONIC ACID DERIVATIVES AND THEIR USE AS PHARMACEUTICALS**

[54] **DERIVES D'ACIDE BIARYL-PROPIONIQUE ET LEUR UTILISATION EN TANT QUE PRODUITS PHARMACEUTIQUES**

[72] RUF, SVEN, DE

[72] SADOWSKI, THORSTEN, DE

[72] WIRTH, KLAUS, DE

[72] SCHREUDER, HERMAN, DE

[72] BUNING, CHRISTIAN, DE

[72] KALLUS, CHRISTOPHER, DE

[72] STROBEL, HARTMUT, DE

[72] WEHLAN, HERMUT, DE

[71] SANOFI, FR

[85] 2015-09-24

[86] 2014-03-26 (PCT/EP2014/056016)

[87] (WO2014/154727)

[30] EP (13305402.3) 2013-03-28

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[21] **2,908,335**  
[13] A1

[51] **Int.Cl. A23C 19/09 (2006.01) A01J 27/02 (2006.01) A23C 19/084 (2006.01) A23C 19/16 (2006.01) B65B 9/02 (2006.01) B65B 25/06 (2006.01) B65B 25/08 (2006.01) B65D 75/58 (2006.01)**

[25] FR  
[54] **METHOD FOR COATING CHEESE PRODUCTS**  
[54] **PROCEDE D'ENROBAGE DE PRODUITS FROMAGERS**  
[72] PENNARUN, PIERRE-YVES, FR  
[71] FROMAGERIES BEL, FR  
[85] 2015-09-25  
[86] 2014-04-04 (PCT/EP2014/056881)  
[87] (WO2014/162009)  
[30] FR (1353076) 2013-04-05

[21] **2,908,345**  
[13] A1

[51] **Int.Cl. F16L 55/11 (2006.01) F16L 55/136 (2006.01) F22B 37/22 (2006.01) G01M 3/02 (2006.01)**

[25] FR  
[54] **PIPE-SEALING DEVICE FOR ISOLATING A TANK, A PIPE OR A SET OF TANKS AND PIPES**  
[54] **DISPOSITIF D'OBTURATION DE CANALISATION POUR L'ISOLEMENT DE BACHE, DE CANALISATION OU D'UN ENSEMBLE DE BACHES ET CANALISATIONS**  
[72] NOYON, EMMANUEL, FR  
[71] ELECTRICITE DE FRANCE, FR  
[85] 2015-09-28  
[86] 2013-10-04 (PCT/EP2013/070716)  
[87] (WO2014/161612)  
[30] FR (1352998) 2013-04-03

[21] **2,908,374**  
[13] A1

[51] **Int.Cl. B01J 23/28 (2006.01) B01J 23/04 (2006.01) B01J 23/887 (2006.01) B01J 27/18 (2006.01) B01J 32/00 (2006.01) C07C 319/02 (2006.01) C07C 321/04 (2006.01) B01J 37/02 (2006.01) B01J 37/20 (2006.01)**

[25] FR  
[54] **CATALYST FOR THE SYNTHESIS OF METHYL MERCAPTAN AND PROCESS FOR PRODUCING METHYL MERCAPTAN FROM SYNTHESIS GAS AND HYDROGEN SULPHIDE**  
[54] **CATALYSEUR POUR LA SYNTHESE DE METHYL MERCAPTAN ET PROCEDE DE PROCEDE DEPRODUCTION DE METHYL MERCAPTAN A PARTIR DE GAZ DE SYNTHESE ET DE SULFURE D'HYDROGENE**  
[72] FREMY, GEORGES, FR  
[72] BARRE, PATRICE, FR  
[72] SANCHOU, KARINE, FR  
[72] CORDOVA, ALEXIA, FR  
[72] LAMONIER, CAROLE, FR  
[72] BLANCHARD, PASCAL, FR  
[71] ARKEMA FRANCE, FR  
[85] 2015-09-28  
[86] 2014-03-28 (PCT/EP2014/056343)  
[87] (WO2014/154885)  
[30] FR (1352871) 2013-03-29

[21] **2,908,399**  
[13] A1

[51] **Int.Cl. C09D 4/02 (2006.01) C09D 7/12 (2006.01)**

[25] EN  
[54] **COATING COMPOSITION**  
[54] **COMPOSITION DE REVETEMENT**  
[72] HAMAKUBO, KATSUSHI, JP  
[72] ITO, KAE, JP  
[71] HOYA CORPORATION, JP  
[85] 2015-09-28  
[86] 2014-03-27 (PCT/JP2014/059047)  
[87] (WO2014/157590)  
[30] JP (2013-074788) 2013-03-29

[21] **2,908,472**  
[13] A1

[51] **Int.Cl. B65H 75/14 (2006.01) B65H 75/24 (2006.01)**

[25] FR  
[54] **DEVICE FOR ADJUSTING THE INTER-FLANGE SPACE OF A BOBBIN**  
[54] **DISPOSITIF DE REGLAGE DE L'ENTREFLASQUE D'UNE BOBINE**  
[72] BERGER, JEAN-MICHEL, FR  
[72] PARSEIHIAN, BRUNO, FR  
[71] CONDUCTIX WAMPFLER FRANCE, FR  
[85] 2015-09-30  
[86] 2014-04-11 (PCT/EP2014/057405)  
[87] (WO2014/167105)  
[30] FR (1353267) 2013-04-11

[21] **2,908,504**  
[13] A1

[51] **Int.Cl. F04B 1/12 (2006.01) F04B 53/14 (2006.01)**

[25] EN  
[54] **HYDRAULIC PUMP AND PISTON FOR SUCH A HYDRAULIC PUMP**  
[54] **POMPE HYDRAULIQUE ET PISTON POUR UNE POMPE HYDRAULIQUE DE CE TYPE**  
[72] WYKYDAL, BERND, DE  
[71] HYDAC DRIVE CENTER GMBH, DE  
[85] 2015-09-30  
[86] 2014-05-16 (PCT/EP2014/001328)  
[87] (WO2014/187547)  
[30] DE (10 2013 008 677.9) 2013-05-22  
[30] DE (10 2013 008 629.9) 2013-05-22  
[30] DE (10 2013 008 681.7) 2013-05-22  
[30] DE (10 2013 008 679.5) 2013-05-22  
[30] DE (10 2013 008 678.7) 2013-05-22  
[30] DE (10 2013 008 676.0) 2013-05-22

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[21] **2,908,506**  
[13] A1

[51] **Int.Cl. B66D 1/14 (2006.01) B66D 1/58 (2006.01)**  
[25] EN  
[54] **DRIVE TRAIN FOR HOISTING GEAR**  
[54] **CHAIINE CINEMATIQUE DESTINEE A DES ENGINES DE LEVAGE**  
[72] LAUTWEIN, CHRISTOF, DE  
[72] SPURA, CHRISTIAN, DE  
[72] WAGENER, CHRISTOPH, DE  
[71] M.A.T. MALMEDIE ANTRIEBSTECHNIK GMBH, DE  
[85] 2015-09-30  
[86] 2014-02-12 (PCT/EP2014/052693)  
[87] (WO2014/187578)  
[30] DE (10 2013 209 361.6) 2013-05-21

[21] **2,908,507**  
[13] A1

[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/315 (2006.01)**  
[25] EN  
[54] **MEDICAMENT DELIVERY DEVICE COMPRISING A LOCKING MECHANISM**  
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT COMPRENANT UN MECANISME DE VERROUILLAGE**  
[72] HOLMQVIST, ANDERS, SE  
[71] CAREBAY EUROPE LTD, MT  
[85] 2015-09-30  
[86] 2014-03-12 (PCT/EP2014/054902)  
[87] (WO2014/154490)  
[30] SE (1350376-8) 2013-03-25

[21] **2,908,509**  
[13] A1

[51] **Int.Cl. A01D 25/00 (2006.01) A01B 15/06 (2006.01)**  
[25] EN  
[54] **BEE T PULLER SHARE**  
[54] **SOC D'ARRACHAGE DE BETTERAVES**  
[72] FRIEDERICHS, HEIKO, DE  
[72] SMEETS, FLORIAN, DE  
[71] BETEK GMBH & CO. KG, DE  
[85] 2015-09-30  
[86] 2014-03-28 (PCT/EP2014/056251)  
[87] (WO2014/180602)  
[30] DE (10 2013 104 836.6) 2013-05-10

[21] **2,908,511**  
[13] A1

[51] **Int.Cl. B01D 61/36 (2006.01) B01D 69/04 (2006.01) B01D 69/08 (2006.01) B01D 69/12 (2006.01) B01D 71/32 (2006.01) B01D 71/34 (2006.01) B01D 71/36 (2006.01) C02F 1/44 (2006.01) C10G 1/00 (2006.01)**  
[25] EN  
[54] **WASTEWATER TREATMENT METHOD, MEMBRANE DISTILLATION MODULE AND WASTEWATER TREATMENT APPARATUS**  
[54] **PROCEDE DE TRAITEMENT DES EAUX USEES, MODULE DE DISTILLATION MEMBRANAIRE, ET DISPOSITIF DE TRAITEMENT DES EAUX USEES**  
[72] YAMAGUCHI, ATSUSHI, JP  
[72] MORITA, TORU, JP  
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD, JP  
[85] 2015-09-30  
[86] 2014-11-26 (PCT/JP2014/081167)  
[87] (WO2015/080123)  
[30] JP (2013-245452) 2013-11-27

[21] **2,908,515**  
[13] A1

[51] **Int.Cl. G01N 33/574 (2006.01) G01N 33/74 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR FACILITATING DIAGNOSIS, PROGNOSIS AND TREATMENT OF CANCER BASED ON DETECTION OF HER3 ACTIVATION**  
[54] **SYSTEMES ET PROCEDES POUR FACILITER LE DIAGNOSTIC, LE PRONOSTIC ET LE TRAITEMENT D'UN CANCER SUR LA BASE DE LA DETECTION DE L'ACTIVATION DE HER3**  
[72] WALLWEBER, GERALD J., US  
[72] WINSLOW, JOHN W., US  
[72] ELI, LISA DEFAZIO, US  
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US  
[85] 2015-09-30  
[86] 2014-04-07 (PCT/US2014/033208)  
[87] (WO2014/165855)  
[30] US (61/809,083) 2013-04-05

[21] **2,908,516**  
[13] A1

[51] **Int.Cl. F16L 25/00 (2006.01)**  
[25] EN  
[54] **FITTING FOR TUBING CONTAINMENT SYSTEM**  
[54] **RACCORD POUR SYSTEME DE GAINAGE DE TUBE**  
[72] RIVEST, DEAN W., US  
[71] OMEGA FLEX, INC., US  
[85] 2015-09-30  
[86] 2014-04-08 (PCT/US2014/033253)  
[87] (WO2014/168905)  
[30] US (13/860,652) 2013-04-11

[21] **2,908,517**  
[13] A1

[51] **Int.Cl. A61B 18/14 (2006.01) A61B 1/06 (2006.01) A61B 17/94 (2006.01) A61M 25/10 (2013.01) A61M 29/02 (2006.01)**  
[25] EN  
[54] **CARDIAC ABLATION CATHETERS AND METHODS OF USE THEREOF**  
[54] **CATHETERS D'ABLATION CARDIAQUE ET LEURS PROCEDES D'UTILISATION**  
[72] SALAHIEH, AMR, US  
[72] LEPAK, JONAH, US  
[72] LEUNG, EMMA, US  
[72] BRANDT, BRIAN D., US  
[72] CLAUDE, JOHN P., US  
[72] ARGENTO, CLAUDIO, US  
[72] SUMANAWEEERA, THILAKA, US  
[72] WEST, ZAK, US  
[71] APAMA MEDICAL, INC., US  
[85] 2015-09-30  
[86] 2014-04-08 (PCT/US2014/033393)  
[87] (WO2014/168987)  
[30] US (61/809,646) 2013-04-08  
[30] US (61/809,636) 2013-04-08  
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[30] US (61/821,001) 2013-05-08  
[30] US (61/821,014) 2013-05-08  
[30] US (61/820,992) 2013-05-08  
[30] US (61/829,985) 2013-05-31  
[30] US (61/864,335) 2013-08-09  
[30] US (61/895,880) 2013-10-25  
[30] US (61/934,640) 2014-01-31  
[30] US (61/934,647) 2014-01-31  
[30] US (61/939,185) 2014-02-12  
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[51] **Int.Cl. A61K 8/99 (2006.01) A61Q 19/00 (2006.01)**  
[25] FR  
[54] **COSMETIC AND PHARMACEUTICAL APPLICATIONS OF LACTOBACILLUS PENTOSUS**  
[54] **APPLICATIONS COSMETIQUES ET PHARMACEUTIQUES DE LACTOBACILLUS PENTOSUS**  
[72] RIOS, LAURENT, FR  
[72] TROPEL, DAVID, FR  
[72] BERTHON, JEAN-YVES ANTONIN, FR  
[72] CHAISEMARTIN, LAURENT, FR  
[71] GREENTECH, FR  
[85] 2015-09-30  
[86] 2014-04-15 (PCT/FR2014/050914)  
[87] (WO2014/170595)  
[30] FR (13/53395) 2013-04-15

[21] **2,908,663**  
[13] A1

[51] **Int.Cl. A61K 8/891 (2006.01) A61Q 11/00 (2006.01)**  
[25] EN  
[54] **ORAL CARE COMPOSITIONS CONTAINING POLYORGANOSILSESQUIOXANE PARTICLES**  
[54] **COMPOSITIONS DE SOINS ORALES CONTENANT DES PARTICULES DE POLYORGANOSILSESQUIOXANE**  
[72] MIDHA, SANJEEV, US  
[72] LEBLANC, MICHAEL JUDE, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-01  
[86] 2014-04-10 (PCT/US2014/033637)  
[87] (WO2014/169114)  
[30] US (61/810,406) 2013-04-10

[21] **2,908,697**  
[13] A1

[51] **Int.Cl. A01K 67/027 (2006.01) C12N 15/85 (2006.01)**  
[25] EN  
[54] **TARGETED MODIFICATION OF RAT GENOME**  
[54] **MODIFICATION CIBLEE DU GENOME D'UN RAT**  
[72] LEE, JEFFREY D., US  
[72] MUJICA, ALEXANDER, O., US  
[72] AUERBACH, WOJTEK, US  
[72] LAI, KA-MAN VENUS, US  
[72] VALENZUELA, DAVID M., US  
[72] YANCOPOULOS, GEORGE D., US  
[71] REGENERON PHARMACEUTICALS, INC., US  
[85] 2015-10-01  
[86] 2014-04-16 (PCT/US2014/034412)  
[87] (WO2014/172489)  
[30] US (61/812,319) 2013-04-16  
[30] US (61/914,768) 2013-12-11

[21] **2,908,699**  
[13] A1

[51] **Int.Cl. F01N 3/027 (2006.01) H05B 1/02 (2006.01)**  
[25] EN  
[54] **SMART HEATING SYSTEM**  
[54] **SYSTEME DE CHAUFFAGE INTELLIGENT**  
[72] CULBERTSON, DAVID P., US  
[72] KHAIR, MAGDI, US  
[72] TAN, JULIAN, US  
[72] EVERLY, MARK, US  
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US  
[85] 2015-10-01  
[86] 2014-04-28 (PCT/US2014/035645)  
[87] (WO2014/176585)  
[30] US (61/816,346) 2013-04-26

[21] **2,908,704**  
[13] A1

[51] **Int.Cl. E21B 21/12 (2006.01) E21B 17/18 (2006.01)**  
[25] EN  
[54] **WELLBORE DRILLING USING DUAL DRILL STRING**  
[54] **FORAGE DE Puits A L'AIDE D'UN TRAIN DE TIGES DOUBLE**  
[72] DIRKSEN, RON J., US  
[72] LEWIS, DERRICK W., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-01  
[86] 2014-05-06 (PCT/US2014/036985)  
[87] (WO2014/182709)  
[30] US (61/820,059) 2013-05-06

[21] **2,908,710**  
[13] A1

[51] **Int.Cl. C07C 51/215 (2006.01) C07C 51/44 (2006.01) C07C 51/46 (2006.01) C07C 53/08 (2006.01) C07C 57/04 (2006.01) C07C 67/08 (2006.01) C07C 69/54 (2006.01)**  
[25] EN  
[54] **METHOD FOR THE PURIFICATION OF ACETIC ACID AND ACRYLIC ACID**  
[54] **PROCEDE DE PURIFICATION D'ACIDE ACETIQUE ET D'ACIDE ACRYLIQUE**  
[72] KARIME, MUSTAPHA N., SA  
[72] BAKSH, FAISAL, SA  
[72] BASHIR, MUBARIK, SA  
[72] NAWAZ, ZEESHAN, SA  
[71] SAUDI BASIC INDUSTRIES CORPORATION, SA  
[85] 2015-10-01  
[86] 2014-05-19 (PCT/US2014/038573)  
[87] (WO2014/189829)  
[30] US (61/825,205) 2013-05-20

[21] **2,908,711**  
[13] A1

[51] **Int.Cl. F16H 61/32 (2006.01) F16H 63/18 (2006.01)**  
[25] EN  
[54] **SHIFT-BY-WIRE TRANSMISSION**  
[54] **SYSTEME DE CHANGEMENT DE VITESSE PAR TRANSMISSION A CABLE**  
[72] MAKI, GREGORY L., US  
[72] LENK, BRANDON P., US  
[71] TEAM INDUSTRIES, INC., US  
[85] 2015-10-01  
[86] 2014-05-19 (PCT/US2014/038655)  
[87] (WO2014/189857)  
[30] US (61/825,257) 2013-05-20

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[13] A1

[51] **Int.Cl. B01J 20/06 (2006.01) B01D 53/52 (2006.01) C01G 49/00 (2006.01)**

[25] EN

[54] **HIGHLY ACTIVE NANO IRON CATALYST FOR THE ABSORPTION OF HYDROGEN SULFIDE**

[54] **NANOCATALYSEUR DE FER HAUTEMENT ACTIF POUR L'ABSORPTION DE SULFURE D'HYDROGENE**

[72] IRURZUN, VERONICA M., US

[72] FARHA, FLOYD E., US

[71] NEW TECHNOLOGY VENTURES, INC., US

[85] 2015-10-01

[86] 2014-06-18 (PCT/US2014/042849)

[87] (WO2014/205026)

[30] US (13/921,600) 2013-06-19

[21] **2,908,713**  
[13] A1

[51] **Int.Cl. B65D 81/34 (2006.01) B65D 21/036 (2006.01) B65D 43/03 (2006.01) B65D 75/66 (2006.01) B65D 75/68 (2006.01) B65D 77/10 (2006.01) B65D 77/20 (2006.01) B65D 77/32 (2006.01) B65D 77/38 (2006.01) B65D 85/816 (2006.01)**

[25] EN

[54] **PACKAGING CONTAINER**

[54] **CONTENANT DE CONDITIONNEMENT**

[72] HADDAD, JOHN, AU

[71] ELIAS HADDAD PTY LTD, AU

[85] 2015-10-02

[86] 2014-04-08 (PCT/AU2014/000374)

[87] (WO2014/165902)

[30] AU (2013901214) 2013-04-09

[21] **2,908,714**  
[13] A1

[51] **Int.Cl. A47J 31/44 (2006.01)**

[25] EN

[54] **ESPRESSO MILK FROTHER**

[54] **MOUSSEUR A LAIT EXPRESSO**

[72] PURTON, WILLIAM WESTMORE, AU

[71] PURTON, WILLIAM WESTMORE, AU

[85] 2015-10-02

[86] 2014-04-10 (PCT/AU2014/000384)

[87] (WO2014/165911)

[30] AU (2013901216) 2013-04-10

[21] **2,908,715**  
[13] A1

[51] **Int.Cl. H02N 11/00 (2006.01) G21H 7/00 (2006.01) H02M 11/00 (2006.01)**

[25] EN

[54] **DEVICE AND PROCESS FOR THE GENERATION OF ELECTRICAL ENERGY**

[54] **DISPOSITIF ET PROCESSUS DE GENERATION D'ENERGIE ELECTRIQUE**

[72] SILVA PAIVA, GERSON, BR

[72] FLORENTINO DA SILVA, SEBASTIAO, BR

[71] ARION TECNOLOGIA BRASIL - GESTAO DE ATIVOS S/A, BR

[85] 2015-10-02

[86] 2014-04-07 (PCT/BR2014/000112)

[87] (WO2014/161057)

[30] BR (PCT/BR2013/000107) 2013-04-05

[21] **2,908,716**  
[13] A1

[51] **Int.Cl. G06T 7/00 (2006.01) G06T 7/60 (2006.01)**

[25] EN

[54] **CONCURRENT ACTIVE CONTOUR SEGMENTATION**

[54] **SEGMENTATION SIMULTANEE DE CONTOURS ACTIFS**

[72] RIVET-SABOURIN, GEOFFROY, CA

[71] LABORATOIRES BODYCAD INC., CA

[85] 2015-10-02

[86] 2014-04-09 (PCT/CA2014/000340)

[87] (WO2014/165972)

[30] US (61/809,942) 2013-04-09

[21] **2,908,717**  
[13] A1

[51] **Int.Cl. G06T 7/00 (2006.01) A61B 19/00 (2006.01) G06T 7/60 (2006.01)**

[25] EN

[54] **MULTI-SCALE ACTIVE CONTOUR SEGMENTATION**

[54] **SEGMENTATION ACTIVE DE CONTOURS A ECHELLES MULTIPLES**

[72] RIVET-SABOURIN, GEOFFROY, CA

[71] LABORATOIRES BODYCAD INC., CA

[85] 2015-10-02

[86] 2014-04-09 (PCT/CA2014/000341)

[87] (WO2014/165973)

[30] US (61/809,941) 2013-04-09

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[13] A1

[51] **Int.Cl. H04L 12/18 (2006.01) H04H 20/18 (2009.01) H04N 21/242 (2011.01) H04L 29/06 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR STREAMING A MEDIA FILE FROM A SERVER TO A CLIENT DEVICE**

[54] **SYSTEME ET PROCEDE PERMETTANT LA LECTURE EN CONTINU D'UN FICHER MEDIA DEPUIS UN SERVEUR SUR UN DISPOSITIF CLIENT**

[72] LAMOUCHE, MOHAMMED HICHEM, CA

[72] BAZSO, BENJAMIN CHARLES, CA

[72] COULOMBE, STEVE IAN, CA

[71] VANTRIX CORPORATION, CA

[85] 2015-10-02

[86] 2014-04-25 (PCT/CA2014/000374)

[87] (WO2014/190409)

[30] US (61/827,718) 2013-05-27

[30] US (14/254,733) 2014-04-16

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[13] A1

[51] **Int.Cl. G03B 17/00 (2006.01) H04N 5/349 (2011.01) G03B 3/10 (2006.01) G03B 7/00 (2014.01) G03B 15/03 (2006.01) G03B 31/00 (2006.01) H04N 5/30 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR CONTROLLING AN EQUIPMENT RELATED TO IMAGE CAPTURE**

[54] **SYSTEME ET PROCEDE PERMETTANT DE CONTROLER UN EQUIPEMENT LIE A LA CAPTURE D'IMAGE**

[72] FISHER, ANTONY, CA

[72] MACDONALD, MICHAEL, CA

[72] TAYLOR, JULIAN, CA

[72] LEVY, JEFFREY, CA

[71] CINEMA CONTROL LABORATORIES INC., CA

[85] 2015-10-02

[86] 2014-04-04 (PCT/CA2014/050346)

[87] (WO2014/161092)

[30] US (61/808,987) 2013-04-05

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[13] A1

[51] **Int.Cl. E05B 47/00 (2006.01)**  
[25] EN  
[54] **LOW POWER MAGNETIC LOCK ASSEMBLY**  
[54] **ENSEMBLE DE VERROUILLAGE MAGNETIQUE A FAIBLE PUISSANCE**  
[72] MCMILLAN, RYAN, CA  
[71] RUTHERFORD CONTROLS INT'L INC., CA  
[85] 2015-10-02  
[86] 2014-04-04 (PCT/CA2014/050347)  
[87] (WO2014/161093)  
[30] US (61/808,923) 2013-04-05

[21] **2,908,721**  
[13] A1

[51] **Int.Cl. B22D 17/20 (2006.01)**  
[25] EN  
[54] **PISTON FOR METAL DIE CASTING**  
[54] **PISTON POUR COULEE SOUS PRESSION DE METAL**  
[72] MURSELAJ, GANI, CH  
[71] MURSELAJ, GANI, CH  
[85] 2015-10-02  
[86] 2014-04-03 (PCT/CH2014/000043)  
[87] (WO2014/161101)  
[30] CH (719/13) 2013-04-04

[21] **2,908,723**  
[13] A1

[51] **Int.Cl. B32B 27/32 (2006.01) C08L 101/12 (2006.01)**  
[25] EN  
[54] **A GLOSSY CONTAINER**  
[54] **CONTENANT BRILLANT**  
[72] WANG, PING, CN  
[72] YANG, LIANG, CN  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-02  
[86] 2014-04-18 (PCT/CN2014/075680)  
[87] (WO2014/173253)  
[30] CN (PCT/CN2013/074834) 2013-04-26

[21] **2,908,740**  
[13] A1

[51] **Int.Cl. A61N 7/02 (2006.01)**  
[25] EN  
[54] **FOCUSED ULTRASOUND SYSTEM FOR SMALL BORE IMAGING**  
[54] **SYSTEME D'ULTRASONS CONCENTRES POUR L'IMAGERIE A PETIT TROU**  
[72] CHOPRA, RAJIV, US  
[72] CHAU, ANTHONY, CA  
[72] HYNYNEN, KULLERVO, CA  
[71] SUNNYBROOK HEALTH SCIENCES CENTRE, CA  
[85] 2015-10-02  
[86] 2014-04-14 (PCT/US2014/033973)  
[87] (WO2014/172265)  
[30] US (61/813,830) 2013-04-19

[21] **2,908,742**  
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/472 (2006.01) A61K 31/4985 (2006.01) A61K 31/706 (2006.01) A61K 31/7068 (2006.01) A61K 33/42 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**  
[25] EN  
[54] **COMBINATION THERAPY COMPRISING A TOR KINASE INHIBITOR AND A CYTIDINE ANALOG FOR TREATING CANCER**  
[54] **POLYTHERAPIE COMPRENANT UN INHIBITEUR DE LA KINASE TOR ET UN ANALOGUE DE LA CYTIDINE POUR LE TRAITEMENT DU CANCER**  
[72] RAYMON, HEATHER, US  
[71] SIGNAL PHARMACEUTICALS, LLC, US  
[85] 2015-10-02  
[86] 2014-04-16 (PCT/US2014/034317)  
[87] (WO2014/172432)  
[30] US (61/813,053) 2013-04-17

[21] **2,908,755**  
[13] A1

[51] **Int.Cl. E21B 43/12 (2006.01) E21B 4/04 (2006.01) E21B 4/18 (2006.01) H02H 9/04 (2006.01)**  
[25] EN  
[54] **DOWNHOLE TOOL CAPABLE OF WITHSTANDING HIGH TEMPERATURES**  
[54] **OUTIL DE FOND DE TROU APTE A RESISTER A DE HAUTES TEMPERATURES**  
[72] HALLUNDBAEK, JORGEN, DK  
[72] NORGAARD, ANDERS JUST, DK  
[71] WELLTEC A/S, DK  
[85] 2015-10-02  
[86] 2014-04-16 (PCT/EP2014/057703)  
[87] (WO2014/170361)  
[30] EP (13164254.8) 2013-04-18

[21] **2,908,758**  
[13] A1

[51] **Int.Cl. A21D 2/18 (2006.01) A21D 8/04 (2006.01)**  
[25] EN  
[54] **A METHOD FOR MAKING A SOFT CAKE BATTER**  
[54] **PROCEDE DE FABRICATION D'UN PREMELANGE DE MOELLEUX**  
[72] CLEMENT, JEROME, FR  
[72] NOTARDONATO, LELIA, FR  
[72] DIRY, MICHEL, FR  
[71] GENERALE BISCUIT, FR  
[85] 2015-10-02  
[86] 2014-04-16 (PCT/EP2014/057792)  
[87] (WO2014/177390)  
[30] EP (13305561.6) 2013-04-29

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[13] A1

[51] **Int.Cl. H01M 2/12 (2006.01) H01M 2/04 (2006.01)**  
[25] EN  
[54] **BATTERY CASE**  
[54] **BOITIER DE CELLULE**  
[72] KANAMORI, KEIJI, JP  
[72] NOMURA, SHINICHI, JP  
[72] MORIYAMA, YOSHIHIKO, JP  
[72] SODE, TAKAYUKI, JP  
[72] SUGIYAMA, YUKINORI, JP  
[71] SOODE NAGANO CO., LTD., JP  
[71] NIPPON LIGHT METAL COMPANY, LTD., JP  
[71] NIKKEIKIN ALUMINIUM CORE TECHNOLOGY COMPANY LTD., JP  
[85] 2015-10-02  
[86] 2014-03-27 (PCT/JP2014/059012)  
[87] (WO2014/171293)  
[30] JP (2013-085906) 2013-04-16

[21] **2,908,761**  
[13] A1

[51] **Int.Cl. G01C 21/26 (2006.01) F02D 45/00 (2006.01)**  
[25] EN  
[54] **DEVICE FOR PREDICTING ENERGY CONSUMPTION AND METHOD FOR PREDICTING ENERGY CONSUMPTION**  
[54] **DISPOSITIF DE PREDICTION DE QUANTITE DE CONSOMMATION D'ENERGIE ET PROCEDE DE PREDICTION DE QUANTITE DE CONSOMMATION D'ENERGIE**  
[72] KANO, JUNICHI, JP  
[72] NAKANO, YUZO, JP  
[71] NISSAN MOTOR CO., LTD., JP  
[85] 2015-10-02  
[86] 2014-03-28 (PCT/JP2014/059112)  
[87] (WO2014/168023)  
[30] JP (2013-082823) 2013-04-11

[21] **2,908,763**  
[13] A1

[51] **Int.Cl. D03D 1/00 (2006.01) D03D 15/00 (2006.01)**  
[25] EN  
[54] **FIBER REINFORCEMENT LAYER FOR CONVEYOR BELTS**  
[54] **COUCHE RENFORCEE DE FIBRES POUR COURROIE DE CONVOYEUR**  
[72] OKUNO, YUKO, JP  
[71] THE YOKOHAMA RUBBER CO., LTD., JP  
[85] 2015-10-02  
[86] 2014-04-03 (PCT/JP2014/059824)  
[87] (WO2014/163134)  
[30] JP (2013-079080) 2013-04-05

[21] **2,908,766**  
[13] A1

[51] **Int.Cl. D07B 1/06 (2006.01) D06M 15/41 (2006.01) D06M 15/693 (2006.01)**  
[25] EN  
[54] **STEEL CORD AND METHOD FOR MANUFACTURING RUBBER PRODUCT**  
[54] **CABLE D'ACIER ET PROCEDE DE FABRICATION D'UN PRODUIT EN CAOUTCHOUC**  
[72] SUEFUJI, RYOTARO, JP  
[71] THE YOKOHAMA RUBBER CO., LTD., JP  
[85] 2015-10-02  
[86] 2014-04-03 (PCT/JP2014/059856)  
[87] (WO2014/168070)  
[30] JP (2013-082567) 2013-04-11

[21] **2,908,769**  
[13] A1

[51] **Int.Cl. B62K 19/36 (2006.01)**  
[25] EN  
[54] **SEAT TUBE WITH A CONTINUOUS CURVE CONFIGURATION FOR A BICYCLE**  
[54] **TUBE DE SELLE A CONFIGURATION DE COURBE CONTINUE POUR UNE BICYCLETTE**  
[72] REMENNIK, MARK, CA  
[71] VROOMEN-WHITE-DESIGN INC., CA  
[85] 2015-10-05  
[86] 2014-04-15 (PCT/CA2014/000349)  
[87] (WO2014/169371)  
[30] US (61/811,928) 2013-04-15

[21] **2,908,780**  
[13] A1

[51] **Int.Cl. A61B 19/00 (2006.01) A61B 17/17 (2006.01) A61B 17/88 (2006.01) A61F 2/46 (2006.01) A61L 24/00 (2006.01) G06F 19/00 (2011.01)**  
[25] EN  
[54] **COMPUTER ASSISTED SUBCHONDRAL INJECTION**  
[54] **INJECTION SOUS-CHONDRALE ASSISTEE PAR ORDINATEUR**  
[72] COUTURE, PIERRE, CA  
[72] AMIOT, LOUIS-PHILIPPE, CA  
[72] MERCIER, LAURENCE, CA  
[71] ORTHOSOFT INC., CA  
[85] 2015-10-05  
[86] 2014-06-11 (PCT/CA2014/050544)  
[87] (WO2014/197989)  
[30] US (61/833,652) 2013-06-11

[21] **2,908,786**  
[13] A1

[51] **Int.Cl. H04N 5/232 (2006.01)**  
[25] EN  
[54] **SHOOTING METHOD AND APPARATUS OF ELECTRONIC DEVICE, AND ELECTRONIC DEVICE**  
[54] **PROCEDE ET APPAREIL DE PRISE D'IMAGES D'UN DISPOSITIF ELECTRONIQUE, ET DISPOSITIF ELECTRONIQUE**  
[72] ZHANG, HUA, CN  
[72] SUN, RUI, CN  
[72] TENG, ZHIHUI, CN  
[72] JIAO, LINTAO, CN  
[72] LI, ZHENGANG, CN  
[71] HUAWEI DEVICE CO., LTD., CN  
[85] 2015-10-05  
[86] 2014-02-27 (PCT/CN2014/072599)  
[87] (WO2014/131358)  
[30] CN (201310061987.3) 2013-02-27

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[21] **2,908,788**  
[13] A1

[51] **Int.Cl. B01D 53/78 (2006.01) B01D 53/50 (2006.01)**

[25] EN

[54] **METHOD FOR EFFECTIVELY REMOVING ACIDIC SULFIDE GAS USING AMMONIA-BASED DESULFURIZATION**

[54] **PROCEDE D'ELIMINATION EFFICACE DE SULFURE GAZEUX ACIDE PAR L'UTILISATION D'UNE TECHNOLOGIE DE DESULFURATION DANS UN PROCEDE AMMONIACAL**

[72] LUO, JING, CN  
[72] QI, LIFANG, CN  
[72] XU, CHANGXIANG, CN  
[72] LUO, YONGYING, CN  
[72] FU, GUOQUANG, CN  
[72] GAO, RUIHUA, CN  
[71] JIANGSU NEW CENTURY JIANGNAN ENVIRONMENTAL PROTECTION CO., LTD, CN

[85] 2015-10-05  
[86] 2014-09-30 (PCT/CN2014/087887)  
[87] (WO2015/103892)  
[30] CN (201410006886.0) 2014-01-07

[21] **2,908,809**  
[13] A1

[51] **Int.Cl. G01J 1/04 (2006.01) G01J 3/28 (2006.01) G01N 21/31 (2006.01) G02B 5/28 (2006.01) G02B 27/00 (2006.01)**

[25] EN

[54] **OPTICAL SENSOR OPTIMIZATION AND SYSTEM IMPLEMENTATION WITH SIMPLIFIED LAYER STRUCTURE**

[54] **OPTIMISATION DE CAPTEUR OPTIQUE ET IMPLEMENTATION DE SYSTEME AVEC UNE STRUCTURE EN COUCHES SIMPLIFIEE**

[72] CHEN, DINGDING, US  
[72] PERKINS, DAVID L., US  
[72] JONES, CHRISTOPHER MICHAEL, US  
[72] GAO, LI, US  
[72] SHEN, JING, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-10-05  
[86] 2013-05-07 (PCT/US2013/039837)  
[87] (WO2014/182282)

[21] **2,908,811**  
[13] A1

[51] **Int.Cl. A23L 2/44 (2006.01) A23F 3/16 (2006.01) A23L 2/54 (2006.01)**

[25] EN

[54] **READY-TO-DRINK TEA BEVERAGES WITH REDUCED BENZENE AND METHODS FOR MAKING SAME**

[54] **BOISSONS PRETES A BOIRE A BASE DE THE PRESENTANT UNE TENEUR REDUITE EN BENZENE ET LEURS PROCEDES DE FABRICATION**

[72] MANUEL, CHAIDEZ, US  
[72] GENEVIEVE, COLE, US  
[72] XIAOPING, FU, US  
[72] CHING-JUNG, KUO, US  
[72] LISE, ZEBOUDJ, US  
[71] NESTEC S.A., CH

[85] 2015-10-05  
[86] 2013-06-03 (PCT/US2013/043887)  
[87] (WO2014/196953)

[21] **2,908,813**  
[13] A1

[51] **Int.Cl. G11C 5/00 (2006.01) H01R 12/71 (2011.01) H05K 1/11 (2006.01) H05K 5/00 (2006.01)**

[25] EN

[54] **REDUCED LENGTH MEMORY CARD**

[54] **CARTE MEMOIRE DE LONGUEUR REDUITE**

[72] STONE, ROBERT, US  
[72] PLUCHINO, JOSEPH, US  
[71] PNY TECHNOLOGIES, INC., US

[85] 2015-10-05  
[86] 2014-04-04 (PCT/US2014/032981)  
[87] (WO2014/165761)  
[30] US (61/809,033) 2013-04-05

[21] **2,908,815**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/47 (2006.01) A61K 31/517 (2006.01) A61K 31/575 (2006.01) A61K 31/58 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **DRUG COMBINATIONS TO TREAT CANCER**

[54] **ASSOCIATIONS MEDICAMENTEUSES POUR TRAITER UN CANCER**

[72] SWEENEY, CHRISTOPHER J., US  
[72] KANTOFF, PHILIP W., US  
[71] EXELIXIS, INC., US

[85] 2015-10-05  
[86] 2014-04-04 (PCT/US2014/033008)  
[87] (WO2014/165779)  
[30] US (61/808,516) 2013-04-04

[21] **2,908,820**  
[13] A1

[51] **Int.Cl. G02F 1/15 (2006.01)**

[25] EN

[54] **PORTABLE DEFECT MITIGATOR FOR ELECTROCHROMIC WINDOWS**

[54] **ATTENUATEUR DE DEFAUT PORTABLE POUR DES FENETRES ELECTROCHIMIQUES**

[72] ROZBICKI, ROBERT T., US  
[72] BAXTER, BRUCE, US  
[72] FRANK, TREVOR, US  
[71] VIEW, INC., US

[85] 2015-10-05  
[86] 2014-04-04 (PCT/US2014/033059)  
[87] (WO2014/168839)  
[30] US (13/859,623) 2013-04-09

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[21] **2,908,832**  
[13] A1

[51] **Int.Cl. A61K 38/17 (2006.01) A61K 9/72 (2006.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**

[25] EN

[54] **INHIBITORS OF METASTASIS**

[54] **INHIBITEURS DE METASTASES**

[72] PARIKH, INDU, US

[72] ADLER, KENNETH B., US

[71] NORTH CAROLINA STATE UNIVERSITY, US

[71] BIOMARCK PHARMACEUTICALS, LTD., US

[85] 2015-10-05

[86] 2014-04-07 (PCT/US2014/033206)

[87] (WO2014/165853)

[30] US (61/808,966) 2013-04-05

[21] **2,908,853**  
[13] A1

[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/30 (2014.01)**

[25] EN

[54] **SIGNALING FOR ADDITION OR REMOVAL OF LAYERS IN VIDEO CODING**

[54] **SIGNALISATION POUR ADDITION OU RETRAIT DE COUCHES EN CODAGE VIDEO**

[72] NARASIMHAN, MANDAYAM A., US

[72] LUTHRA, AJAY K., US

[71] ARRIS TECHNOLOGY, INC., US

[85] 2015-10-05

[86] 2014-04-07 (PCT/US2014/033236)

[87] (WO2014/168893)

[30] US (61/809,741) 2013-04-08

[30] US (14/246,699) 2014-04-07

[21] **2,908,862**  
[13] A1

[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/22 (2006.01) A61B 17/42 (2006.01) A61M 1/00 (2006.01)**

[25] EN

[54] **MEDICAL SYSTEMS AND METHODS**

[54] **PROCEDES ET SYSTEMES MEDICAUX**

[72] BEK, ROBIN, US

[72] GERMAIN, AARON, US

[72] KLEIN, KYLE, US

[72] WALKER, MICHAEL D., US

[71] IOGYN, INC., US

[85] 2015-10-05

[86] 2014-04-08 (PCT/US2014/033390)

[87] (WO2014/168985)

[30] US (61/809,681) 2013-04-08

[21] **2,908,850**  
[13] A1

[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/152 (2014.01) H04N 19/30 (2014.01)**

[25] EN

[54] **INDIVIDUAL BUFFER MANAGEMENT IN VIDEO CODING**

[54] **GESTION DE TAMPONS INDIVIDUELS LORS D'UN CODAGE VIDEO**

[72] NARASIMHAN, MANDAYAM A., US

[72] LUTHRA, AJAY K., US

[71] ARRIS TECHNOLOGY, INC., US

[85] 2015-10-05

[86] 2014-04-07 (PCT/US2014/033231)

[87] (WO2014/168890)

[30] US (61/809,741) 2013-04-08

[30] US (14/246,674) 2014-04-07

[21] **2,908,857**  
[13] A1

[51] **Int.Cl. A61K 9/08 (2006.01) A61J 1/00 (2006.01) A61L 2/07 (2006.01)**

[25] EN

[54] **PROCESS OF MANUFACTURING A STABLE, READY TO USE INFUSION BAG FOR AN OXIDATION SENSITIVE FORMULATION**

[54] **PROCEDE POUR FABRIQUER UN SAC DE PERFUSION STABLE, PRET A ETRE UTILISE, POUR UNE FORMULATION SENSIBLE A L'OXYDATION**

[72] PURI, NAVNEET, US

[72] HINGORANI, TUSHAR, US

[72] SOPPIMATH, KUMARESH, US

[72] NAYAK, REKHA, US

[72] MALKAN, TUSHAR, US

[72] PEJAVER, SATISH, US

[71] INNOPHARMA LICENSING, LLC, US

[85] 2015-10-05

[86] 2014-04-08 (PCT/US2014/033238)

[87] (WO2014/168895)

[30] US (61/809,538) 2013-04-08

[30] US (14/246,047) 2014-04-05

[21] **2,908,866**  
[13] A1

[51] **Int.Cl. C08K 5/17 (2006.01) C08B 37/00 (2006.01) C08J 3/24 (2006.01) C08K 5/04 (2006.01)**

[25] EN

[54] **CHOLINE-BASED CROSSLINKER COMPOSITIONS FOR FRACTURING FLUIDS**

[54] **COMPOSITIONS D'AGENTS DE RETICULATION A BASE DE CHOLINE POUR DES FLUIDES DE FRACTURATION**

[72] SONG, JINGSHE, US

[72] KURIAN, PIOUS, US

[72] STREET, JOSEPH PAUL, US

[72] CASON, RHYN, US

[71] ECOLAB USA INC., US

[85] 2015-10-05

[86] 2014-04-09 (PCT/US2014/033511)

[87] (WO2014/169044)

[30] US (61/810,498) 2013-04-10

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[21] **2,908,871**  
[13] A1

[51] **Int.Cl. H04L 12/24 (2006.01)**  
[25] EN  
[54] **DISTRIBUTED NETWORK MANAGEMENT USING A LOGICAL MULTI-DIMENSIONAL LABEL-BASED POLICY MODEL**  
[54] **GESTION DE RESEAU DISTRIBUE A L'AIDE D'UN MODELE DE POLITIQUE A BASE D'ETIQUETTE MULTIDIMENSIONNEL LOGIQUE**  
[72] KIRNER, PAUL J., US  
[72] COOK, DANIEL R., US  
[72] FANDLI, JURAJ G., US  
[72] GLENN, MATTHEW K., US  
[72] GUPTA, MUKESH, US  
[72] RUBIN, ANDREW S., US  
[72] SCOTT, JERRY B., US  
[72] CHANG, SEHYO, US  
[72] STOKOL, ALAN B., US  
[71] ILLUMIO, INC., US  
[85] 2015-10-05  
[86] 2014-04-09 (PCT/US2014/033524)  
[87] (WO2014/169054)  
[30] US (61/810,480) 2013-04-10  
[30] US (61/899,468) 2013-11-04

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[21] **2,908,874**  
[13] A1

[51] **Int.Cl. A47J 37/10 (2006.01)**  
[25] EN  
[54] **EASY CLEAN COOKWARE**  
[54] **USTENSILE DE CUISSON FACILE A NETTOYER**  
[72] GROLL, WILLIAM A., US  
[71] ALL-CLAD METALCRAFTERS LLC, US  
[85] 2015-10-05  
[86] 2014-04-14 (PCT/US2014/033971)  
[87] (WO2014/172263)  
[30] US (61/811,902) 2013-04-15

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[21] **2,908,875**  
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01)**  
[25] EN  
[54] **ANALYTICS RULES ENGINE FOR PAYMENT PROCESSING SYSTEM**  
[54] **MOTEUR DE REGLES D'ANALYSE POUR SYSTEME DE TRAITEMENT DE PAIEMENT**  
[72] SAUNDERS, GREG, US  
[72] GERBER, THENUIS JOHANNES, US  
[72] WIESMAN, MARK, US  
[71] MASTERCARD INTERNATIONAL INCORPORATED, US  
[85] 2015-10-05  
[86] 2014-04-14 (PCT/US2014/034034)  
[87] (WO2014/169283)  
[30] US (61/811,666) 2013-04-12  
[30] US (14/252,254) 2014-04-14

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[21] **2,908,882**  
[13] A1

[51] **Int.Cl. F16C 27/06 (2006.01)**  
[25] EN  
[54] **LIMITED TORQUE ISOLATION BEARING**  
[54] **PALIER D'ISOLATION A COUPLE LIMITE**  
[72] POWDER, DONALD, US  
[71] ZTI PRODUCTS, LLC, US  
[85] 2015-10-05  
[86] 2014-09-16 (PCT/US2014/055754)  
[87] (WO2015/138003)  
[30] US (PCT/US2014/028802) 2014-03-14

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[21] **2,908,890**  
[13] A1

[51] **Int.Cl. B25D 17/11 (2006.01)**  
[25] EN  
[54] **ROCK DRILL GUIDE**  
[54] **GUIDE DE TREPAN**  
[72] ROODT, PETRUS HENDRIK, SENIOR, ZA  
[72] ROODT, PETRUS HENDRIK, JUNIOR, ZA  
[71] SHOVA DRILLING (PTY) LIMITED, ZA  
[85] 2015-10-05  
[86] 2013-08-28 (PCT/ZA2013/000068)  
[87] (WO2014/036573)  
[30] ZA (2012/06536) 2012-08-30

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[21] **2,908,896**  
[13] A1

[51] **Int.Cl. A47K 10/42 (2006.01) B65D 83/08 (2006.01)**  
[25] EN  
[54] **STACK AND METHOD OF DISPENSING**  
[54] **EMPILEMENT ET PROCEDE DE DISTRIBUTION**  
[72] STENBERG, MARTIN, SE  
[71] SCA HYGIENE PRODUCTS AB, SE  
[85] 2015-10-05  
[86] 2013-04-22 (PCT/SE2013/050432)  
[87] (WO2014/175791)

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[21] **2,908,956**  
[13] A1

[51] **Int.Cl. H02K 21/12 (2006.01) H02K 1/27 (2006.01) H02K 29/00 (2006.01)**  
[25] EN  
[54] **SYNCHRONOUS ELECTRIC MACHINES**  
[54] **MACHINES ELECTRIQUES SYNCHRONES**  
[72] LENG, MARKUS, CA  
[71] SKYKAR INC., CA  
[85] 2015-10-07  
[86] 2014-07-17 (PCT/CA2014/000574)  
[87] (WO2015/031975)  
[30] US (61/874,180) 2013-09-05

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[21] **2,908,959**  
[13] A1

[51] **Int.Cl. C08B 37/00 (2006.01) A61K 31/737 (2006.01) A61P 7/02 (2006.01) A61P 9/10 (2006.01)**

[25] EN

[54] **LOW-MOLECULAR-WEIGHT GLYCOSAMINOGLYCAN DERIVATIVE CONTAINING TERMINAL 2, 5-ANHYDRATED TALOSE OR DERIVATIVE THEREOF**

[54] **DERIVE DE GLYCOSAMINOGLYCANE DE BAS POIDS MOLECULAIRE CONTENANT UN TALOSE 2,5-ANHYDRIDE TERMINAL OU SES DERIVES**

[72] ZHAO, JINHUA, CN  
[72] WU, MINGYI, CN  
[72] GAO, NA, CN  
[72] LI, ZI, CN  
[72] LAI, SENSEN, CN  
[72] ZHAO, LONGYAN, CN  
[71] KUNMING INSTITUTE OF BOTANY, CHINESE ACADEMY OF SCIENCES, CN

[85] 2015-10-07  
[86] 2013-12-20 (PCT/CN2013/090124)  
[87] (WO2014/166282)  
[30] CN (201310127447.0) 2013-04-12

[21] **2,908,961**  
[13] A1

[51] **Int.Cl. C04B 28/00 (2006.01) C04B 38/00 (2006.01) C04B 38/02 (2006.01)**

[25] EN

[54] **POROUS MASSES OR SHAPED BODIES OF INORGANIC POLYMERS AND PRODUCTION THEREOF**

[54] **MATIERES OU CORPS FACONNES POREUX EN POLYMERES INORGANIQUES ET LEUR PREPARATION**

[72] SPANGENBERG, BERND, DE  
[72] HEMMER, WOLFGANG, DE  
[72] FUTTERKNECHT, SIDON, DE  
[71] SEAL-TEC GMBH, DE

[85] 2015-09-21  
[86] 2014-02-24 (PCT/DE2014/000076)  
[87] (WO2014/127762)  
[30] DE (10 2013 002 972.4) 2013-02-22  
[30] DE (10 2013 017 308.6) 2013-10-18  
[30] DE (10 2013 017 307.8) 2013-10-18  
[30] DE (10 2013 018 492.4) 2013-11-04

[21] **2,908,966**  
[13] A1

[51] **Int.Cl. B65B 9/10 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING MULTI-COMPARTMENT PACKAGES**

[54] **PROCEDE ET APPAREIL POUR LA REALISATION DE CONDITIONNEMENTS COMPARTIMENTES**

[72] EDWARDS, EDUARD, US  
[72] SAGEL, JOSEPH PAUL, US  
[71] FRITO-LAY NORTH AMERICA, INC., US

[85] 2015-10-16  
[86] 2014-05-23 (PCT/US2014/039381)  
[87] (WO2014/204619)  
[30] US (13/914,204) 2013-06-10

[21] **2,908,970**  
[13] A1

[51] **Int.Cl. B01J 29/08 (2006.01) B01J 29/40 (2006.01) C10G 2/00 (2006.01)**

[25] EN

[54] **MIXED MOLECULAR SIEVE CATALYST AND PREPARATION METHOD AND USE THEREOF**

[54] **CATALYSEUR A TAMIS MOLECULAIRE MIXTE, SON PROCEDE DE PREPARATION ET SON UTILISATION**

[72] ZHANG, FAN, CN  
[72] WANG, YIJUN, CN  
[72] RUI, GUO, CN  
[72] GAN, YONGSHENG, CN  
[72] ZHANG, XIAOMANG, CN  
[71] SHANGHAI BI KE CLEAN ENERGY TECHNOLOGY CO., LTD, CN

[85] 2015-10-07  
[86] 2014-04-08 (PCT/CN2014/074882)  
[87] (WO2014/166372)  
[30] CN (201310123469.X) 2013-04-10

[21] **2,908,971**  
[13] A1

[51] **Int.Cl. G02B 6/44 (2006.01)**

[25] EN

[54] **POLYMERIC COMPOSITIONS WITH SILICONE AND FATTY ACID AMIDE SLIP AGENT**

[54] **COMPOSITIONS POLYMERES AVEC UN AGENT GLISSANT A BASE DE SILICONE ET D'AMIDE D'ACIDE GRAS**

[72] CHEN, BUO, US  
[72] ESSEGHIR, MOHAMED, US  
[72] COGEN, JEFFREY M., US  
[72] KMIEC, CHESTER J., US  
[72] FLORY, ANNY L., US  
[72] PUJARI, SASWATI, US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2015-10-05  
[86] 2014-04-03 (PCT/US2014/032773)  
[87] (WO2014/172105)  
[30] US (61/812,754) 2013-04-17

[21] **2,908,972**  
[13] A1

[51] **Int.Cl. C08K 5/00 (2006.01) C08K 5/13 (2006.01) C08K 5/29 (2006.01) C08K 5/3467 (2006.01) H01B 3/30 (2006.01)**

[25] EN

[54] **COATED CONDUCTOR WITH VOLTAGE-STABILIZED INNER LAYER**

[54] **CONDUCTEUR REVETU COMPORTANT UNE COUCHE INTERIEURE STABILISEE EN TENSION**

[72] SRIVASTAVA, YASMIN N., US  
[72] CHEN, XUMING, US  
[72] PERSON, TIMOTHY J., US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2015-10-05  
[86] 2014-04-03 (PCT/US2014/032778)  
[87] (WO2014/172107)  
[30] US (61/813,320) 2013-04-18



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[51] <b>Int.Cl. C09K 11/79 (2006.01)</b> [25] EN [54] <b>OXYNITRIDE LUMINESCENT MATERIAL, PREPARATION METHOD, AND LED LIGHT SOURCE MANUFACTURED THEREBY</b> [54] <b>SUBSTANCE LUMINESCENTE EN OXYNITRURE, SON PROCEDE DE PREPARATION ET SOURCE DE LUMIERE LED FABRIQUEE AINSI</b> [72] LU, XUEGUANG, CN [72] ZHAO, KUN, CN [72] ZHANG, MING, CN [71] SICHUAN SUNFOR LIGHT CO., LTD., CN [85] 2015-10-07 [86] 2014-04-17 (PCT/CN2014/075595) [87] (WO2014/169834) [30] CN (201310138727.1) 2013-04-19	[51] <b>Int.Cl. H04N 19/50 (2014.01) H04N 19/186 (2014.01) H04N 19/30 (2014.01) H04N 19/463 (2014.01)</b> [25] EN [54] <b>METHOD FOR ENCODING AND METHOD FOR DECODING A LUT AND CORRESPONDING DEVICES</b> [54] <b>PROCEDES DE CODAGE ET DE DECODAGE D'UNE TABLE DE CORRESPONDANCE ET DISPOSITIFS ASSOCIES</b> [72] BORDES, PHILIPPE, FR [72] ANDRIVON, PIERRE, FR [72] JOLLY, EMMANUEL, FR [71] THOMSON LICENSING, FR [85] 2015-10-07 [86] 2014-03-17 (PCT/EP2014/055333) [87] (WO2014/166705) [30] EP (13305453.6) 2013-04-08 [30] EP (13306010.3) 2013-07-15 [30] EP (14305109.2) 2014-01-27	[51] <b>Int.Cl. A47C 27/06 (2006.01)</b> [25] EN [54] <b>INDIVIDUALLY POCKETED COIL SPRINGS WITH CUSHONING PADS, AND POCKET SPRING MATTRESSES WITH SUCH POCKETED COIL SPRINGS</b> [54] <b>RESSORTS HELICOIDAUX ENSACHES INDIVIDUELLEMENT DOTES DE COUSSINETS DE REMBOURRAGE, ET MATELAS A RESSORTS ENSACHES IMPORTANT DE TELS RESSORTS HELICOIDAUX ENSACHES</b> [72] HAGER, BENGT, SE [72] AHLQVIST, ROBERT, SE [72] EDLING, KENNETH, SE [72] THURESSON, JORGEN, SE [71] STJERNFJADRAR AB, SE [71] CARPE DIEM BEDS OF SWEDEN AB, SE [85] 2015-10-07 [86] 2014-04-08 (PCT/EP2014/057011) [87] (WO2014/166927) [30] EP (13162725.9) 2013-04-08
[21] <b>2,909,005</b> [13] A1	[21] <b>2,909,007</b> [13] A1	[21] <b>2,909,010</b> [13] A1
[51] <b>Int.Cl. C22C 1/02 (2006.01) C22C 1/04 (2006.01)</b> [25] EN [54] <b>METHOD OF CASTING LITHIUM CONTAINING ALUMINIUM ALLOYS</b> [54] <b>PROCEDE DE COULAGE D'ALLIAGES D'ALUMINIUM CONTENANT DU LITHIUM</b> [72] BRANDT, FRED, DE [71] ALERIS ROLLED PRODUCTS GERMANY GMBH, DE [85] 2015-10-07 [86] 2014-03-11 (PCT/EP2014/054618) [87] (WO2014/166683) [30] EP (13163369.5) 2013-04-11	[51] <b>Int.Cl. B25B 1/24 (2006.01) B23D 47/04 (2006.01)</b> [25] EN [54] <b>CLAMPING SYSTEM FOR SEVEN-FOLD CUTTING</b> [54] <b>SYSTEME DE SERRAGE POUR LA COUPE DE SEPT PROFILES</b> [72] RATTUNDE, ULRICH, DE [71] RATTUNDE & CO GMBH, DE [85] 2015-10-07 [86] 2014-03-25 (PCT/EP2014/056005) [87] (WO2014/166737) [30] DE (10 2013 103 486.1) 2013-04-08	[51] <b>Int.Cl. C08L 67/02 (2006.01)</b> [25] EN [54] <b>POLYMER COMPOSITION</b> [54] <b>COMPOSITION POLYMERE</b> [72] SCHMIDT, HARALD, DE [72] HESS, CHRISTOPH, DE [72] BRESO, CHRISTOPHE, FR [72] HACKFORT, RALF, DE [72] RORTHMANS, FRANK, DE [72] FRIEDEK, WOLFGANG, DE [71] BIO-TEC BIOLOGISCHE NATURVERPACKUNGEN GMBH & CO. KG, DE [85] 2015-10-07 [86] 2014-04-08 (PCT/EP2014/057030) [87] (WO2014/166938) [30] DE (10 2013 103 614.7) 2013-04-10 [30] DE (10 2013 017 024.9) 2013-10-15
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	[51] <b>Int.Cl. B25B 15/00 (2006.01) B25B 23/10 (2006.01) F16B 23/00 (2006.01)</b> [25] EN [54] <b>TOOL, SCREW AND SYSTEM FOR TRANSMITTING A DRIVE TORQUE</b> [54] <b>OUTIL, VIS ET SYSTEME DE TRANSMISSION D'UN COUPLE D'ENTRAINEMENT</b> [72] HETTICH, ULRICH, DE [71] LUDWIG HETTICH & CO. KG, DE [85] 2015-10-07 [86] 2014-04-07 (PCT/EP2014/056933) [87] (WO2014/166870) [30] DE (10 2013 103 463.2) 2013-04-08	

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[21] **2,909,011**  
[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01)**  
[25] EN  
[54] **A CAPSULE FOR BEVERAGE PREPARATION**  
[54] **CAPSULE POUR LA PREPARATION DE BOISSON**  
[72] TALON, CHRISTIAN, CH  
[72] BEZET, NICOLAS JEAN-GUY, FR  
[71] NESTEC S.A., CH  
[85] 2015-10-07  
[86] 2014-05-28 (PCT/EP2014/061050)  
[87] (WO2014/191456)  
[30] EP (13169576.9) 2013-05-28

[21] **2,909,012**  
[13] A1

[51] **Int.Cl. F03D 1/06 (2006.01)**  
[25] EN  
[54] **ROTOR BLADE OF A WIND TURBINE**  
[54] **PALE DE ROTOR D'UNE EOLIENNE**  
[72] PETSCHKE, MARC, DE  
[72] KORJAHN, CHRISTOPH MATTHIAS, DE  
[71] SENVIION GMBH, DE  
[85] 2015-08-05  
[86] 2014-02-12 (PCT/EP2014/000381)  
[87] (WO2014/127896)  
[30] DE (10 2013 202 666.8) 2013-02-19

[21] **2,909,017**  
[13] A1

[51] **Int.Cl. A61B 5/04 (2006.01) A61B 5/00 (2006.01) A61B 5/0476 (2006.01) G06F 19/00 (2011.01) G06K 9/00 (2006.01)**  
[25] EN  
[54] **CLASSIFYING EEG SIGNALS IN RESPONSE TO VISUAL STIMULUS**  
[54] **CLASSIFICATION DE SIGNAUX EEG EN REPOSE A UN STIMULUS VISUEL**  
[72] DEOUELL, LEON Y., IL  
[72] GEVA, AMIR B., IL  
[72] FUHRMANN ALPERT, GALIT, IL  
[72] MANOR, RAN EI, IL  
[72] SHALGI, SHANI, IL  
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL  
[71] B.G. NEGEV TECHNOLOGIES & APPLICATIONS LTD., AT BENGURION UNIVERSITY, IL  
[85] 2015-10-07  
[86] 2014-04-13 (PCT/IL2014/050355)  
[87] (WO2014/170897)  
[30] US (61/811,784) 2013-04-14

[21] **2,909,019**  
[13] A1

[51] **Int.Cl. F24D 19/02 (2006.01)**  
[25] EN  
[54] **AN IMPROVED SYSTEM FOR MOUNTING HEATING PANELS ON TO WALL WITHOUT DRILLING HOLES ON THE WALL**  
[54] **SYSTEME AMELIORE POUR MONTAGE DE PANNEAUX CHAUFFANTS SUR UN MUR SANS PERCER DES TROUS DANS LE MUR**  
[72] PATTABHI, V., IN  
[71] HBN AGENCIES, IN  
[85] 2015-10-07  
[86] 2014-04-11 (PCT/IN2014/000232)  
[87] (WO2014/184798)  
[30] IN (1708/CHE/2013) 2013-04-17

[21] **2,909,020**  
[13] A1

[51] **Int.Cl. H04B 7/185 (2006.01) H03H 7/46 (2006.01) H03H 17/02 (2006.01)**  
[25] EN  
[54] **DEMULTIPLEXING APPARATUS, MULTIPLEXING APPARATUS, AND RELAY APPARATUS**  
[54] **DISPOSITIF DE DEMULTIPLEXAGE, DISPOSITIF DE MULTIPLEXAGE ET DISPOSITIF RELAIS**  
[72] FUJIMURA, AKINORI, JP  
[71] MITSUBISHI ELECTRIC CORPORATION, JP  
[85] 2015-10-07  
[86] 2013-04-18 (PCT/JP2013/002622)  
[87] (WO2014/170927)

[21] **2,909,022**  
[13] A1

[51] **Int.Cl. F01L 3/20 (2006.01) F01L 3/14 (2006.01)**  
[25] EN  
[54] **HOLLOW POPPET VALVE**  
[54] **SOUPAPE CHAMPIGNON CREUSE**  
[72] TSUNEISHI, OSAMU, JP  
[72] ICHIMIYA, ATSUYUKI, JP  
[71] NITTAN VALVE CO., LTD., JP  
[85] 2015-10-07  
[86] 2013-04-11 (PCT/JP2013/060977)  
[87] (WO2014/167694)

[21] **2,909,024**  
[13] A1

[51] **Int.Cl. A22C 13/00 (2006.01) B32B 27/02 (2006.01) B65D 85/00 (2006.01)**  
[25] EN  
[54] **NETTED CASING FOR FOOD**  
[54] **ENVELOPPE A FILET POUR ALIMENTS**  
[72] ITOSHIRO, HAJIME, JP  
[72] TAKAHASHI, KOICHI, JP  
[71] OCI CO., LTD., JP  
[85] 2015-10-07  
[86] 2014-04-17 (PCT/JP2014/060890)  
[87] (WO2014/171501)  
[30] JP (2013-086775) 2013-04-17

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[21] **2,909,026**  
[13] A1

[51] **Int.Cl. B60M 1/20 (2006.01)**  
[25] EN  
[54] **CANTILEVER FOR OVERHEAD CONTACT LINE**  
[54] **CONSOLE POUR CABLE DE CATENAIRE**  
[72] METRAT, THIERRY, ES  
[72] NADAL MORENO, RAUL, ES  
[71] PFISTERER UPRESA, S.A., ES  
[85] 2015-10-07  
[86] 2014-04-07 (PCT/ES2014/070270)  
[87] (WO2014/167156)  
[30] ES (P201330512) 2013-04-10

[21] **2,909,028**  
[13] A1

[51] **Int.Cl. B60L 11/18 (2006.01) G01S 19/42 (2010.01) H01R 13/66 (2006.01)**  
[25] EN  
[54] **LOCATION-BASED ELECTRIC POWER MEDIATION MODULE, ELECTRIC VEHICLE, MEDIATION SERVER, AND USER CERTIFICATION SOCKET OR CONNECTOR**  
[54] **MODULE DE MEDIATION D'ENERGIE ELECTRIQUE BASE SUR LA LOCALISATION, VEHICULE ELECTRIQUE, SERVEUR DE MEDIATION, ET CONNECTEUR OU POINT DE CONNEXION D'ACCREDITATION D'UTILISATEUR**  
[72] GEO, SUNG GYOO, KR  
[71] GEO-LINE CO., LTD., KR  
[85] 2015-10-07  
[86] 2014-04-03 (PCT/KR2014/002877)  
[87] (WO2014/168376)  
[30] KR (10-2013-0038225) 2013-04-08  
[30] KR (10-2014-0017026) 2014-02-14

[21] **2,909,030**  
[13] A1

[51] **Int.Cl. C10L 5/36 (2006.01) C10L 5/44 (2006.01)**  
[25] EN  
[54] **METHOD FOR PRODUCING BIOFUEL AND USE OF BIOFUEL**  
[54] **PROCEDE DE PRODUCTION DE BIOCARBURANT ET UTILISATION DU BIOCARBURANT**  
[72] AHTILA, PEKKA, FI  
[72] VILJAKAINEN, ESA, FI  
[71] AALTO UNIVERSITY FOUNDATION, FI  
[85] 2015-10-07  
[86] 2014-04-08 (PCT/FI2014/050252)  
[87] (WO2014/167182)  
[30] FI (20135341) 2013-04-08

[21] **2,909,031**  
[13] A1

[51] **Int.Cl. B22D 27/04 (2006.01) B22C 9/04 (2006.01) C30B 11/00 (2006.01)**  
[25] FR  
[54] **MONOCRYSTALLINE SMELTING MOULD**  
[54] **MOULE DE FONDERIE MONOCRISTALLINE**  
[72] DILLENSEGER, SERGE, FR  
[72] COYEZ, DOMINIQUE, FR  
[72] FARGEAS, SERGE, FR  
[72] GRAS, HERVE, FR  
[72] GUERCHE, DIDIER, FR  
[71] SNECMA, FR  
[85] 2015-10-07  
[86] 2014-04-09 (PCT/FR2014/050845)  
[87] (WO2014/167243)  
[30] FR (1353223) 2013-04-10

[21] **2,909,032**  
[13] A1

[51] **Int.Cl. A01J 5/017 (2006.01) A01K 1/12 (2006.01) A01K 5/02 (2006.01) H04L 12/40 (2006.01) H04L 29/12 (2006.01)**  
[25] EN  
[54] **METHOD, CONTROL, MESSAGE RECEIPT MODULE, DATA MESSAGE FORMAT AND NETWORK PROTOCOL FOR FARM SYSTEM**  
[54] **PROCEDE, COMMANDE, MODULE DE RECEPTION DE MESSAGE, FORMAT DES MESSAGES DE DONNEES ET PROTOCOLE DE RESEAU POUR UN SYSTEME AGRICOLE**  
[72] NEED, RONALD, NL  
[71] FUSION ELECTRONICS B.V., NL  
[85] 2015-10-07  
[86] 2013-04-24 (PCT/NL2013/050311)  
[87] (WO2013/191538)  
[30] NL (1039562) 2012-04-24

[21] **2,909,035**  
[13] A1

[51] **Int.Cl. A61K 31/715 (2006.01) A61K 35/64 (2015.01) A61K 36/18 (2006.01) A61K 38/16 (2006.01) A61P 37/04 (2006.01)**  
[25] EN  
[54] **IMMUNOSTIMULATORY COMPOSITIONS AND METHODS OF MANUFACTURE**  
[54] **COMPOSITIONS IMMUNOSTIMULANTES ET PROCEDES DE FABRICATION**  
[72] GANNABATHULA, SWAPNA, NZ  
[72] KRISSENSANSEN, GEOFF, NZ  
[72] STEPHENS, JONATHAN MCDONALD COUNSELL, NZ  
[72] STEINHOM, GREGOR AARON, NZ  
[71] APIMED MEDICAL HONEY LIMITED, NZ  
[85] 2015-10-07  
[86] 2013-04-17 (PCT/NZ2013/000070)  
[87] (WO2013/157961)  
[30] NZ (599435) 2012-04-17

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[21] **2,909,036**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01)**  
[25] EN  
[54] **ENABLING A USER TO STUDY IMAGE DATA**  
[54] **AUTORISATION D'UN UTILISATEUR A ETUDIER DES DONNEES D'IMAGE**  
[72] QIAN, YUECHEN, NL  
[72] RUBENS, ERAN, NL  
[71] PHILIPS MEDICAL SYSTEMS TECHNOLOGIES LTD, IL  
[85] 2015-10-07  
[86] 2014-04-11 (PCT/IB2014/060646)  
[87] (WO2014/167536)  
[30] US (61/810,752) 2013-04-11

[21] **2,909,038**  
[13] A1

[51] **Int.Cl. C12N 15/864 (2006.01) C12N 15/113 (2010.01) C07K 14/47 (2006.01) C12N 9/16 (2006.01)**  
[25] FR  
[54] **SELECTIVE GENE THERAPY EXPRESSION SYSTEM**  
[54] **SYSTEME D'EXPRESSION POUR UNE THERAPIE GENIQUE SELECTIVE**  
[72] BUJ BELLO, ANA MARIA, FR  
[72] RICHARD, ISABELLE, FR  
[71] GENETHON, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[85] 2015-10-07  
[86] 2014-04-10 (PCT/FR2014/050866)  
[87] (WO2014/167253)  
[30] FR (1353306) 2013-04-11

[21] **2,909,041**  
[13] A1

[51] **Int.Cl. B62K 27/00 (2006.01) B62D 63/06 (2006.01) B62M 7/14 (2006.01)**  
[25] EN  
[54] **COMPACT TRAILER, PARTICULARLY FOR BICYCLES AND MOTORCYCLES**  
[54] **REMORQUE COMPACTE, EN PARTICULIER POUR BICYCLETES ET MOTOCYCLETES**  
[72] MARCHETTI, MARCELLO, IT  
[71] MARCHETTI, MARCELLO, IT  
[85] 2015-10-07  
[86] 2014-04-16 (PCT/IB2014/060756)  
[87] (WO2014/170836)  
[30] IT (MO2013U000014) 2013-04-19

[21] **2,909,043**  
[13] A1

[51] **Int.Cl. A47J 37/04 (2006.01) A47J 37/06 (2006.01)**  
[25] FR  
[54] **COOKING METHOD FOR A COOKING APPLIANCE WITH A MOTION-INDUCING MEANS AND CORRESPONDING COOKING APPLIANCE**  
[54] **PROCEDE DE CUISSON POUR APPAREIL DE CUISSON AVEC MOYEN DE REMUAGE ET APPAREIL DE CUISSON CORRESPONDANT**  
[72] DELRUE, OLIVIER, FR  
[72] LETAIN, FRANCOIS, FR  
[71] SEB S.A., FR  
[85] 2015-10-07  
[86] 2014-04-11 (PCT/FR2014/050895)  
[87] (WO2014/170589)  
[30] FR (1353587) 2013-04-19

[21] **2,909,046**  
[13] A1

[51] **Int.Cl. H04W 76/04 (2009.01)**  
[25] EN  
[54] **APPLICATION OF A DISCONTINUOUS RECEPTION (DRX) CYCLE**  
[54] **APPLICATION D'UN CYCLE DE RECEPTION DISCONTINUE (DRX)**  
[72] RUNE, JOHAN, SE  
[72] LARMO, ANNA, FI  
[72] SUSITAIVAL, RIIKKA, FI  
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE  
[85] 2015-10-07  
[86] 2014-04-03 (PCT/SE2014/050397)  
[87] (WO2014/171882)  
[30] US (61/811,961) 2013-04-15

[21] **2,909,049**  
[13] A1

[51] **Int.Cl. A63B 23/18 (2006.01)**  
[25] EN  
[54] **TRAINING DEVICE**  
[54] **DISPOSITIF D'ENTRAINEMENT**  
[72] BRUIN, RONALD JOHN, GB  
[72] SPENCER, DAVID WILLIAM, GB  
[72] SANDERS, MARK JEREMY, GB  
[71] CLEMENT CLARKE INTERNATIONAL LIMITED, GB  
[85] 2015-10-07  
[86] 2014-04-11 (PCT/GB2014/051137)  
[87] (WO2014/167348)  
[30] GB (1306709.5) 2013-04-12  
[30] GB (1322175.9) 2013-12-16

[21] **2,909,051**  
[13] A1

[51] **Int.Cl. G10L 15/02 (2006.01) G10L 25/18 (2013.01)**  
[25] EN  
[54] **RELATIVE EXCITATION FEATURES FOR SPEECH RECOGNITION**  
[54] **CARACTERISTIQUES D'EXCITATION RELATIVE POUR RECONNAISSANCE DE LA PAROLE**  
[72] CETINTURK, CETIN, TR  
[71] CETINTURK, CETIN, TR  
[85] 2015-10-07  
[86] 2014-02-17 (PCT/TR2014/000035)  
[87] (WO2014/168591)  
[30] TR (2013/04371) 2013-04-11

[21] **2,909,052**  
[13] A1

[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **COMBINATIONS OF AN ANTI-PD-L1 ANTIBODY AND A MEK INHIBITOR AND/OR A BRAF INHIBITOR**  
[54] **COMBINAISONS D'UN ANTICORPS ANTI-PD-L1 ET D'UN INHIBITEUR DE MEK ET/OU D'UN INHIBITEUR DE BRAF**  
[72] HOOS, AXEL, US  
[71] NOVARTIS AG, CH  
[85] 2015-10-07  
[86] 2014-06-02 (PCT/IB2014/061895)  
[87] (WO2014/195852)  
[30] US (61/830,220) 2013-06-03

[21] **2,909,054**  
[13] A1

[51] **Int.Cl. B65D 45/02 (2006.01) F16B 11/00 (2006.01) F16B 33/00 (2006.01) F16B 37/14 (2006.01)**  
[25] EN  
[54] **INJECTABLE CAP**  
[54] **CHAPEAU INJECTABLE**  
[72] DOBBIN, RICHARD, GB  
[72] LIVERSAGE, DAVID, GB  
[71] AIRBUS OPERATIONS LIMITED, GB  
[85] 2015-10-07  
[86] 2014-04-16 (PCT/GB2014/051194)  
[87] (WO2014/170674)  
[30] GB (1307134.5) 2013-04-19  
[30] GB (1318256.3) 2013-10-15

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[21] **2,909,055**  
[13] A1

[51] **Int.Cl. G09B 5/08 (2006.01) G09B 7/00 (2006.01) H04L 12/16 (2006.01)**

[25] EN

[54] **EPORAL SYSTEM AND METHOD OF USE THEREOF**

[54] **SYSTEME DE PORTAL ELECTRONIQUE ET SON PROCEDE D'UTILISATION**

[72] PATRICK, GEORGE R., US

[72] LIPPMAN, MICHAEL, US

[72] MOORE, BRYAN, US

[71] MXN CORPORATION, US

[85] 2015-10-07

[86] 2014-02-26 (PCT/US2014/018677)

[87] (WO2014/134168)

[30] US (13/779,228) 2013-02-27

[21] **2,909,056**  
[13] A1

[51] **Int.Cl. B01J 37/04 (2006.01) B01J 23/883 (2006.01) B01J 23/94 (2006.01) B01J 37/00 (2006.01) B01J 38/06 (2006.01)**

[25] EN

[54] **ACTIVATION OF A HYDROPROCESSING CATALYST WITH STEAM**

[54] **ACTIVATION D'UN CATALYSEUR D'HYDROTRAITEMENT AVEC DE LA VAPEUR**

[72] BHAN, OPINDER, KISHAN, US

[71] SHELL INTERNATIONALE RESEARCH MAARSCHAPPIJ B.V., NL

[85] 2015-10-07

[86] 2014-04-22 (PCT/US2014/034876)

[87] (WO2014/176197)

[30] US (61/815,455) 2013-04-24

[21] **2,909,057**  
[13] A1

[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/34 (2006.01) A61K 31/381 (2006.01) A61K 31/415 (2006.01) A61K 31/421 (2006.01) A61K 31/427 (2006.01) A61K 31/45 (2006.01) A61P 11/02 (2006.01) A61P 31/16 (2006.01) C07D 401/14 (2006.01) C07D 405/06 (2006.01) C07D 409/06 (2006.01) C07D 413/06 (2006.01) C07D 417/06 (2006.01) C07D 471/04 (2006.01)**

[25] EN

[54] **GLUTARIMIDE DERIVATIVES, USE THEREOF, PHARMACEUTICAL COMPOSITION BASED THEREON AND METHODS FOR PRODUCING GLUTARIMIDE DERIVATIVES**

[54] **DERIVES DE GLUTARIMIDES, LEUR UTILISATION, COMPOSITION PHARMACEUTIQUE SUR LEUR BASE ET PROCEDES DE FABRICATION**

[72] NEBOLSIN, VLADIMIR EVGENIEVICH, RU

[72] KROMOVA, TATYANA ALEXANDROVNA, RU

[71] OBSHESTVO S OGRANICHENNOI OTVETSTVENNOSTIYU "PHARMENTERPRISES", RU

[85] 2015-10-05

[86] 2014-04-10 (PCT/RU2014/000264)

[87] (WO2014/168522)

[30] RU (2013116826) 2013-04-12

[21] **2,909,059**  
[13] A1

[51] **Int.Cl. C07D 307/42 (2006.01)**

[25] EN

[54] **SYNTHESIS OF DICARBAMATES FROM REDUCTION PRODUCTS OF 2-HYDROXYMETHYL-5-FURUFURAL (HMF) AND DERIVATIVES THEREOF**

[54] **SYNTHESE DE DICARBAMATES A PARTIR DE PRODUITS DE REDUCTION DE 2-HYDROXYMETHYL-5-FURUFURAL (HMF) ET DE LEURS DERIVES**

[72] STENSRUD, KENNETH, US

[71] ARCHER DANIELS MIDLAND COMPANY, US

[85] 2015-10-07

[86] 2014-05-07 (PCT/US2014/037047)

[87] (WO2014/200636)

[30] US (61/833,951) 2013-06-12

[21] **2,909,060**  
[13] A1

[51] **Int.Cl. A61K 9/50 (2006.01) A61K 31/57 (2006.01)**

[25] EN

[54] **COMPOSITION COMPRISING HYDROCORTISONE**

[54] **COMPOSITION COMPRENANT DE L'HYDROCORTISONE**

[72] HUATAN, HIEP, GB

[72] ROSS, RICHARD, GB

[72] WHITAKER, MARTIN, GB

[72] POELLINGER, NORBERT, DE

[72] GRAVE, ANNETTE, DE

[71] DIURNAL LIMITED, GB

[85] 2015-10-07

[86] 2014-05-12 (PCT/GB2014/051442)

[87] (WO2014/184525)

[30] GB (1308933.9) 2013-05-17

[21] **2,909,062**  
[13] A1

[51] **Int.Cl. B05B 9/04 (2006.01) B65D 83/16 (2006.01) F41H 9/10 (2006.01) G08B 21/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR SPRAYING AN AEROSOL**

[54] **SYSTEMES ET PROCEDES POUR PULVERISER UN AEROSOL**

[72] LORD, CHARLES, US

[71] GUARDIAN 8 CORPORATION, US

[85] 2015-10-07

[86] 2014-03-07 (PCT/US2014/021785)

[87] (WO2014/138592)

[30] US (13/791,582) 2013-03-08

[21] **2,909,065**  
[13] A1

[51] **Int.Cl. E02F 9/28 (2006.01) E02F 3/40 (2006.01)**

[25] EN

[54] **WEAR MEMBER STABILIZATION ON EXCAVATOR LIP**

[54] **STABILISATION D'ELEMENT D'USURE SUR LEVRE D'EXCAVATRICE**

[72] RUVANG, JOHN A., CA

[71] BLACK CAT BLADES LTD., CA

[85] 2015-10-07

[86] 2013-12-18 (PCT/IB2013/003197)

[87] (WO2015/092473)

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[21] **2,909,066**  
[13] A1

[51] **Int.Cl. C07J 63/00 (2006.01) A61K 31/565 (2006.01) A61P 29/00 (2006.01)**  
[25] EN  
[54] **2,2-DIFLUOROPROPIONAMIDE DERIVATIVES OF BARDOXOLONE METHYL, POLYMORPHIC FORMS AND METHODS OF USE THEREOF**  
[54] **DERIVES 2,2-DIFLUOROPROPIONAMIDE DE BARDOXOLONE METHYLE, FORMES POLYMORPHES ET PROCEDES D'UTILISATION**  
[72] SHEIKH, AHMAD Y., US  
[72] MATTEL, ALESSANDRA, US  
[72] WANG, XIU C., US  
[71] ABBVIE INC., US  
[85] 2015-10-07  
[86] 2014-04-24 (PCT/US2014/035279)  
[87] (WO2014/176415)  
[30] US (61/815,502) 2013-04-24

[21] **2,909,068**  
[13] A1

[51] **Int.Cl. G01F 23/26 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD TO MEASURE VOLUME FRACTION IN MULTIPHASE FLUIDS**  
[54] **SYSTEME ET PROCEDE POUR MESURER UNE FRACTION DE VOLUME DANS DES FLUIDES MULTIPHASES**  
[72] SURMAN, CHERYL MARGARET, US  
[72] MORRIS, WILLIAM GUY, US  
[72] DIERINGER, JON ALBERT, US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2015-10-07  
[86] 2014-03-07 (PCT/US2014/021826)  
[87] (WO2014/172028)  
[30] US (13/862,644) 2013-04-15

[21] **2,909,069**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01)**  
[25] EN  
[54] **COATINGS FOR CONTROLLED RELEASE OF HIGHLY WATER SOLUBLE DRUGS**  
[54] **ENROBAGES POUR LIBERATION CONTROLEE DE MEDICAMENTS FORTEMENT HYDROSOLUBLES**  
[72] TATON, KRISTIN, US  
[72] LAWIN, LAURIE, US  
[72] GUIRE, PATRICK, US  
[71] INNOVATIVE SURFACE TECHNOLOGIES, INC., US  
[85] 2015-10-07  
[86] 2014-04-25 (PCT/US2014/035527)  
[87] (WO2014/176545)  
[30] US (61/815,910) 2013-04-25

[21] **2,909,070**  
[13] A1

[51] **Int.Cl. B61H 11/00 (2006.01) B61H 13/00 (2006.01)**  
[25] EN  
[54] **THERMALLY OPTIMIZED RAILWAY VEHICLE BRAKE SYSTEM**  
[54] **SYSTEME DE FREIN DE VEHICULE FERROVIAIRE THERMIQUEMENT OPTIMISE**  
[72] SCHARPF, ROBERT NORMAN, US  
[72] KOON, MARIA H., US  
[72] FINCH, GLYN A., JR., US  
[72] POLI, PAOLO, IT  
[71] WABTEC HOLDING CORP., US  
[85] 2015-10-07  
[86] 2014-05-21 (PCT/US2014/038896)  
[87] (WO2014/190003)  
[30] US (61/826,268) 2013-05-22  
[30] US (14/282,357) 2014-05-20

[21] **2,909,072**  
[13] A1

[51] **Int.Cl. H04R 25/00 (2006.01) G08C 17/02 (2006.01)**  
[25] EN  
[54] **WIRELESS CONTROL SYSTEM FOR PERSONAL COMMUNICATION DEVICE**  
[54] **SYSTEME DE CONTROLE SANS FIL POUR DISPOSITIF DE COMMUNICATION PERSONNEL**  
[72] HERSCHER, BRET, US  
[71] EARGO, INC., US  
[85] 2015-10-07  
[86] 2014-03-30 (PCT/US2014/032292)  
[87] (WO2014/168769)  
[30] US (61/809,554) 2013-04-08

[21] **2,909,073**  
[13] A1

[51] **Int.Cl. B09B 3/00 (2006.01) A01G 9/10 (2006.01)**  
[25] EN  
[54] **COAL REFUSE HORTICULTURAL BLEND**  
[54] **MELANGE HORTICOLE A BASE DE RESIDUS DE LA PREPARATION DE CHARBON**  
[72] MIRANDA, STEPHEN R., US  
[72] ABBATE, WILLIAM V., US  
[72] PROVANCE-BOWLEY, MARY, US  
[71] HARSCO CORPORATION, US  
[85] 2015-10-07  
[86] 2014-04-29 (PCT/US2014/035864)  
[87] (WO2014/179307)  
[30] US (61/817,400) 2013-04-30

[21] **2,909,075**  
[13] A1

[51] **Int.Cl. G06F 3/14 (2006.01)**  
[25] EN  
[54] **APPLICATION-TAILORED OBJECT PRE-INFLATION**  
[54] **PRE-GONFLAGE D'OBJET AJUSTE PAR APPLICATION**  
[72] DU, QIXING, US  
[72] PENG, I. CHIEN, US  
[72] LI, JOSHUA, US  
[71] FACEBOOK, INC., US  
[85] 2015-10-07  
[86] 2014-04-03 (PCT/US2014/032823)  
[87] (WO2014/172114)  
[30] US (13/862,960) 2013-04-15

[21] **2,909,076**  
[13] A1

[51] **Int.Cl. A61M 1/34 (2006.01) A61M 1/36 (2006.01) A61M 5/14 (2006.01)**  
[25] EN  
[54] **VIAL SPIKING ASSEMBLIES AND RELATED METHODS**  
[54] **ENSEMBLES DE PERFORATION DE FLACON ET PROCEDES ASSOCIES**  
[72] WRIGHT, NIGEL, US  
[72] ZANG, MICHAEL JOHN, US  
[72] MONAHAN, TOM, US  
[72] BARRON, JOHN A., III, US  
[72] ZATEZALO, DOUGLAS MARK, US  
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US  
[85] 2015-10-07  
[86] 2014-06-23 (PCT/US2014/043565)  
[87] (WO2014/209831)  
[30] US (13/926,500) 2013-06-25

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[21] **2,909,078**  
[13] A1

[51] **Int.Cl. B05C 7/08 (2006.01)**  
[25] EN  
[54] **COATING SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE**  
**REVETEMENT**  
[72] JONES, CLINTON L., US  
[72] SWEENEY, SHAWN R., CA  
[72] FABOZZI, SCOTT M., US  
[72] GRIESGRABER, CORI S., US  
[72] PRINCE, RYAN B., US  
[72] MACCALLUM, CARSON, CA  
[71] 3M INNOVATIVE PROPERTIES  
COMPANY, US  
[85] 2015-10-07  
[86] 2014-04-04 (PCT/US2014/032958)  
[87] (WO2014/168825)  
[30] US (61/809,674) 2013-04-08

[21] **2,909,079**  
[13] A1

[51] **Int.Cl. G06F 17/00 (2006.01) G06Q**  
**50/30 (2012.01) G06F 17/20 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR**  
**GENERATION OF FLEXIBLE**  
**SENTENCES IN A SOCIAL**  
**NETWORKING SYSTEM**  
[54] **PROCEDES ET SYSTEMES DE**  
**GENERATION DE PHRASES**  
**FLEXIBLES DANS UN SYSTEME**  
**DE RESEAUTAGE SOCIAL**  
[72] LING, BAO, US  
[72] VAN HEUVEN, HUGO JOHAN, US  
[72] MIAO, JIANGBO, US  
[71] FACEBOOK, INC., US  
[85] 2015-10-07  
[86] 2014-04-04 (PCT/US2014/033052)  
[87] (WO2014/176016)  
[30] US (13/868,917) 2013-04-23

[21] **2,909,080**  
[13] A1

[51] **Int.Cl. A61K 38/18 (2006.01) A61K**  
**31/13 (2006.01) A61K 31/195**  
**(2006.01) A61K 31/216 (2006.01)**  
**A61K 31/351 (2006.01) A61K 31/7056**  
**(2006.01) A61K 39/395 (2006.01)**  
**A61K 47/48 (2006.01) A61P 31/16**  
**(2006.01)**  
[25] EN  
[54] **METHODS, USES AND**  
**COMPOSITIONS OF TIE2**  
**AGONISTS**  
[54] **METHODES, UTILISATIONS ET**  
**COMPOSITIONS D'AGONISTES**  
**DE TIE2**  
[72] DUMONT, DANIEL, CA  
[72] VAN SLYKE, PAUL, CA  
[72] LEE, WARREN, CA  
[71] SUNNYBROOK RESEARCH  
INSTITUTE, CA  
[71] ST. MICHAEL'S HOSPITAL, CA  
[85] 2015-10-08  
[86] 2014-03-19 (PCT/CA2014/000269)  
[87] (WO2014/165963)  
[30] US (61/810,879) 2013-04-11

[21] **2,909,081**  
[13] A1

[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q**  
**20/32 (2012.01) G06Q 20/40 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR**  
**FACILITATING A TRANSACTION**  
**USING A VIRTUAL CARD ON A**  
**MOBILE DEVICE**  
[54] **SYSTEMES ET PROCEDES**  
**DESTINES A FACILITER UNE**  
**TRANSACTION A L'AIDE D'UNE**  
**CARTE VIRTUELLE SUR UN**  
**DISPOSITIF MOBILE**  
[72] LAW, SIMON, CA  
[72] SHVARTSMAN, MICHAEL, CA  
[72] ROBERGE, PIERRE ANTOINE, CA  
[72] DUONG, PETER THIEN, CA  
[71] SALT TECHNOLOGY INC., US  
[85] 2015-10-08  
[86] 2013-04-16 (PCT/CA2013/050294)  
[87] (WO2013/155627)  
[30] US (61/624,947) 2012-04-16  
[30] US (61/673,096) 2012-07-18  
[30] US (61/713,302) 2012-10-12

[21] **2,909,082**  
[13] A1

[51] **Int.Cl. C23C 30/00 (2006.01) C23C**  
**1/05 (2006.01)**  
[25] EN  
[54] **HYDROPHOBIC POROUS HARD**  
**COATING WITH LUBRICANT,**  
**METHOD FOR MAKING AND USE**  
**OF SAME**  
[54] **REVETEMENT DUR POREUX**  
**HYDROPHOBE AVEC UN**  
**LUBRIFIANT, PROCEDE DE**  
**FABRICATION ET**  
**D'UTILISATION DE CELUI-CI**  
[72] MUKHERJEE, SOMESH KUMAR, US  
[72] SISTA, VIVEKANAND, US  
[72] STEVENS, JOHN H., US  
[71] BAKER HUGHES INCORPORATED,  
US  
[85] 2015-10-07  
[86] 2014-04-07 (PCT/US2014/033131)  
[87] (WO2014/168856)  
[30] US (13/858,250) 2013-04-08

[21] **2,909,083**  
[13] A1

[51] **Int.Cl. B05C 21/00 (2006.01)**  
[25] EN  
[54] **REPLACEABLE CAULKING TIP**  
[54] **POINTE DE CALFATAGE**  
**REMPLOCABLE**  
[72] LUSSIER, ARTHUR, CA  
[72] ANDREW, JEFFERY SCOTT, CA  
[71] 730062 ONTARIO INC., CA  
[85] 2015-10-08  
[86] 2014-04-08 (PCT/CA2014/000316)  
[87] (WO2014/165965)  
[30] US (61,809,551) 2013-04-08

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[21] **2,909,084**  
[13] A1

[51] **Int.Cl. G06F 3/0484 (2013.01) G06Q 30/02 (2012.01) G06F 3/0481 (2013.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR GRAPHICALLY PRESENTING A SURVEY INTERFACE TO A USER**

[54] **PROCEDE ET SYSTEME PERMETTANT DE PRESENTER DE MANIERE GRAPHIQUE UNE INTERFACE DE SONDAGE A UN UTILISATEUR**

[72] KAHNEMAN, DANIEL, US  
[72] ROSENFELD, ANDREW, US  
[72] BLASER, THOMAS, US  
[72] HOGUE, ANDREW, US  
[72] MISRA, SANJAY, US  
[71] TGG VENTURES LLC, US  
[85] 2015-10-07  
[86] 2014-05-29 (PCT/US2014/040067)  
[87] (WO2014/194121)  
[30] US (61/829,699) 2013-05-31

[21] **2,909,087**  
[13] A1

[51] **Int.Cl. C07J 53/00 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PREPARATION OF DROSPIRENONE**

[54] **PROCEDE DE PREPARATION DE DROSPIRENONE**

[72] LENNA, ROBERTO, IT  
[72] BARBIERI, FRANCESCO, IT  
[72] LUONI, MARIA GIOVANNA, IT  
[72] NOSEDA, MONICA, IT  
[71] INDUSTRIALE CHIMICA S.R.L., IT  
[85] 2015-10-07  
[86] 2013-04-12 (PCT/IB2013/052918)  
[87] (WO2014/167386)

[21] **2,909,088**  
[13] A1

[51] **Int.Cl. E21B 47/01 (2012.01) E21B 17/10 (2006.01)**

[25] EN

[54] **SENSOR STANDOFF**

[54] **CAPTEUR DE DISTANCE ANNULAIRE**

[72] MAHJOUB, AHMED AMINE, FR  
[72] ISAMBERT, SEBASTIEN, FR  
[72] FAYEULLE, EMMANUEL, FR  
[72] FOUILLOU, DIDIER, FR  
[72] EVANS, MICHAEL LYNN, US  
[72] STOLLER, CHRISTIAN, US  
[71] SERVICES PETROLIERS SCHLUMBERGER, FR  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2015-10-07  
[86] 2014-04-08 (PCT/US2014/033354)  
[87] (WO2014/168960)  
[30] US (61/809,801) 2013-04-08  
[30] EP (13305450.2) 2013-04-08

[21] **2,909,089**  
[13] A1

[51] **Int.Cl. A61K 31/132 (2006.01) A61K 8/41 (2006.01) A61P 29/00 (2006.01) A61Q 19/08 (2006.01)**

[25] EN

[54] **COSMETIC OR PHARMACEUTICAL COMPOSITION FOR RESISTING SKIN AGEING THROUGH AN ANTI-INFLAMMATORY ACTION**

[54] **COMPOSITION COSMETIQUE OU PHARMACEUTIQUE DESTINEE A EMPECHER LE VIEILLISSEMENT DE LA PEAU PAR UNE ACTION ANTI-INFLAMMATOIRE**

[72] GIULIANI, GIAMMARIA, IT  
[72] BENEDUSI, ANNA, IT  
[72] MARZANI, BARBARA, IT  
[72] BARONI, SERGIO, IT  
[72] PAUS, RALF, DE  
[71] GIULIANI S.P.A., IT  
[85] 2015-10-07  
[86] 2014-04-09 (PCT/IB2014/060555)  
[87] (WO2014/167508)  
[30] IT (MI2013A000555) 2013-04-09

[21] **2,909,091**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) A61K 31/352 (2006.01) A61K 45/06 (2006.01)**

[25] EN

[54] **TUMOR-SELECTIVE COMBINATION THERAPY**

[54] **POLYTHERAPIE POUR TUMEUR SELECTIVE**

[72] HERGENROTHER, PAUL J., US  
[72] BOOTHMAN, DAVID A., US  
[72] BAIR, JOSEPH S., US  
[72] CAO, LIFEN, US  
[72] GAO, JIMMING, US  
[72] HUANG, XIUMEI, US  
[72] LUO, XIUQUAN, US  
[72] MA, XINPENG, US  
[72] MOORE, ZACHARY R., US  
[72] PARKINSON, ELIZABETH I., US  
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US  
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US  
[85] 2015-10-07  
[86] 2014-04-08 (PCT/US2014/033400)  
[87] (WO2014/168991)  
[30] US (61/810,008) 2013-04-09



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[21] **2,909,092**  
[13] A1

[51] **Int.Cl. C25B 15/08 (2006.01) C25B 1/12 (2006.01) C25B 3/04 (2006.01) C25B 9/18 (2006.01) H01M 8/06 (2006.01)**

[25] FR

[54] **METHODS FOR PRODUCING COMBUSTIBLE GAS FROM THE ELECTROLYSIS OF WATER (HTE) OR CO-ELECTROLYSIS WITH H2O/CO2 IN THE SAME CHAMBER, AND ASSOCIATED CATALYTIC REACTOR AND SYSTEM**

[54] **PROCEDES D'OBTENTION DE GAZ COMBUSTIBLE A PARTIR D'ELECTROLYSE DE L'EAU (EHT) OU DE CO-ELECTROLYSE AVEC H2O/CO2 AU SEIN D'UNE MEME ENCEINTE, REACTEUR CATALYTIQUE ET SYSTEME ASSOCIES**

[72] REYTIER, MAGALI, FR

[72] ROUX, GUILHEM, FR

[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[85] 2015-10-07

[86] 2014-04-07 (PCT/IB2014/060481)

[87] (WO2014/167477)

[30] FR (13 53104) 2013-04-08

[21] **2,909,094**  
[13] A1

[51] **Int.Cl. A61K 31/122 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **TREATMENT OF CANCER USING COENZYME Q10 COMBINATION THERAPIES**

[54] **TRAITEMENT DU CANCER A L'AIDE DE POLYTHEAPIES PAR COENZYME Q10**

[72] NARAIN, NIVEN RAJIN, US

[72] SARANGARAJAN, RANGAPRASAD, US

[71] BERG LLC, US

[85] 2015-10-07

[86] 2014-04-08 (PCT/US2014/033402)

[87] (WO2014/168993)

[30] US (61/809,840) 2013-04-08

[21] **2,909,095**  
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01)**

[25] EN

[54] **SIMULATION OF PRODUCTION SYSTEMS**

[54] **SIMULATION DE SYSTEMES DE PRODUCTION**

[72] BONETI, CARLOS SANTIERI DE FIGUEIREDO, US

[72] LESSARD, RODNEY, US

[72] KIEHN, BOBBY, US

[72] HOUETO, FABIEN, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2015-10-07

[86] 2014-04-09 (PCT/US2014/033409)

[87] (WO2014/168996)

[30] US (61/810,062) 2013-04-09

[30] US (14/246,591) 2014-04-07

[21] **2,909,098**  
[13] A1

[51] **Int.Cl. A61K 36/00 (2006.01) C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) C12N 15/10 (2006.01) C12N 15/29 (2006.01)**

[25] EN

[54] **BIOACTIVE APOLAR EXTRACT CONTAINING PLANT GENETIC MATERIAL FOR TREATMENT OF MAMMALIAN DISEASES**

[54] **EXTRAIT APOLAIRE BIOACTIF CONTENANT UN MATERIAU GENETIQUE VEGETAL POUR LE TRAITEMENT DE MALADIES DE MAMMIFERES**

[72] MEDASANI, MUNISEKHAR, IN

[72] DIVI, SATYASAYEE BABU, IN

[71] MEDASANI, MUNISEKHAR, IN

[71] DIVI, SATYASAYEE BABU, IN

[85] 2015-10-08

[86] 2014-04-08 (PCT/IN2014/000223)

[87] (WO2014/181344)

[30] IN (1598/CHE/2013) 2013-04-08

[21] **2,909,099**  
[13] A1

[51] **Int.Cl. H05H 1/48 (2006.01)**

[25] EN

[54] **GENERATOR DEVICE OF COLD PLASMA AND RELATED METHOD FOR PRODUCING CHEMICAL SUBSTANCES**

[54] **DISPOSITIF GENERATEUR DE PLASMA FROID ET PROCEDE DE PRODUCTION DE SUBSTANCES CHIMIQUES ASSOCIE**

[72] MANGO, ALDO, IT

[71] AMLIKA MERCANTILE PRIVATE LIMITED, IN

[85] 2015-10-07

[86] 2014-04-10 (PCT/IB2014/060609)

[87] (WO2014/167520)

[30] IT (RM2013A000212) 2013-04-10

[30] IT (RM2013A000214) 2013-04-10

[30] IT (RM2013A000215) 2013-04-10

[30] IT (RM2013A000216) 2013-04-10

[30] IT (RM2013A000374) 2013-06-27

[21] **2,909,101**  
[13] A1

[51] **Int.Cl. F17C 7/02 (2006.01)**

[25] FR

[54] **METHOD AND FACILITY FOR SUPPLYING AT LEAST ONE MACHINING STATION WITH SUBCOOLED CRYOGENIC LIQUID**

[54] **PROCEDE ET INSTALLATION D'ALIMENTATION D'AU MOINS UN POSTE D'USINAGE EN LIQUIDE CRYOGENIQUE SOUS-REFROIDI**

[72] KOWALEWSKI, PIERRE, FR

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

[85] 2015-10-08

[86] 2014-04-10 (PCT/FR2014/050862)

[87] (WO2014/170583)

[30] FR (1353518) 2013-04-18

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[21] **2,909,102**  
[13] A1

[51] **Int.Cl. G06F 17/50 (2006.01) F01D 5/14 (2006.01)**  
[25] FR  
[54] **METHOD FOR MODELLING A PART, IN PARTICULAR A TURBINE BLADE**  
[54] **PROCEDE DE MODELISATION D'UNE PIECE, EN PARTICULIER UN AUBAGE**  
[72] CELLIER, DAMIEN JOSEPH, FR  
[72] PERROT, VINCENT PAUL GABRIEL, FR  
[71] SNECMA, FR  
[85] 2015-10-08  
[86] 2014-04-16 (PCT/FR2014/050934)  
[87] (WO2014/170612)  
[30] FR (1353439) 2013-04-16

[21] **2,909,104**  
[13] A1

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/32 (2012.01)**  
[25] EN  
[54] **MOBILE PAYMENT SYSTEM USING SUBACCOUNTS OF ACCOUNT HOLDER**  
[54] **SYSTEME DE PAIEMENT MOBILE UTILISANT DES COMPTES SECONDAIRES DE TITULAIRE DE COMPTE**  
[72] ITWARU, MARK, CA  
[71] RIAVERA CORP., CA  
[85] 2015-10-08  
[86] 2014-04-11 (PCT/CA2014/000343)  
[87] (WO2014/165974)  
[30] US (13/861,490) 2013-04-12

[21] **2,909,105**  
[13] A1

[51] **Int.Cl. G01V 1/30 (2006.01)**  
[25] EN  
[54] **MULTI-PARAMETER INVERSION THROUGH OFFSET DEPENDENT ELASTIC FWI**  
[54] **INVERSION MULTIPARAMETRIQUE PAR FWI ELASTIQUE DEPENDANTE AU DECALAGE**  
[72] WANG, KE, US  
[72] LAZARATOS, SPYRIDON, US  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2015-10-07  
[86] 2014-05-07 (PCT/US2014/037122)  
[87] (WO2014/189679)  
[30] US (61/827,474) 2013-05-24

[21] **2,909,106**  
[13] A1

[51] **Int.Cl. B32B 38/14 (2006.01) A45C 5/03 (2006.01) B29C 63/00 (2006.01) B65D 88/14 (2006.01)**  
[25] EN  
[54] **METHODS OF COLOURING A FOAMED POLYOLEFIN PRODUCT AND A FLIGHT CASE**  
[54] **PROCEDES DE COLORATION D'UN PRODUIT EN MOUSSE DE POLYOLEFINE ET CAISSON DE TRANSPORT**  
[72] RUMSEY, IAN, GB  
[71] XPE LIMITED, GB  
[85] 2015-10-08  
[86] 2014-04-07 (PCT/GB2014/051074)  
[87] (WO2014/167302)  
[30] GB (1306289.8) 2013-04-08  
[30] GB (1312373.2) 2013-07-10  
[30] GB (1320897.0) 2013-11-27

[21] **2,909,109**  
[13] A1

[51] **Int.Cl. E21B 43/119 (2006.01) E21B 23/00 (2006.01) E21B 47/09 (2012.01)**  
[25] EN  
[54] **AUTONOMOUS UNTETHERED WELL OBJECT**  
[54] **OBJET DE PUIITS NON AMARRE AUTONOME**  
[72] INGRAHAM, DEREK, US  
[72] JANSSEN, EUGENE, US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2015-10-07  
[86] 2014-05-16 (PCT/US2014/038343)  
[87] (WO2014/186672)  
[30] US (61/824,240) 2013-05-16  
[30] US (61/824,260) 2013-05-16  
[30] US (61/824,591) 2013-05-17

[21] **2,909,113**  
[13] A1

[51] **Int.Cl. C08F 220/06 (2006.01) C05G 3/04 (2006.01) C08F 2/44 (2006.01) C09K 17/18 (2006.01)**  
[25] EN  
[54] **PROCESS FOR PRODUCING HIGH-SWELLABILITY POLYMER COMPOSITES**  
[54] **PROCEDE DE PRODUCTION DE COMPOSITES POLYMERES A HAUT POUVOIR GONFLANT**  
[72] MARK, TINA, DE  
[72] SEUFERT, MICHAEL, DE  
[72] GLASER, ALBAN, DE  
[72] WISSEMEIER, ALEXANDER, DE  
[72] SANZ-GOMEZ, JORGE, DE  
[72] LOPEZ VILLANUEVA, FRANCISCO JAVIER, DE  
[72] WIEDEMANN, ALEXANDRA, DE  
[71] BASF SE, DE  
[85] 2015-10-08  
[86] 2014-04-28 (PCT/EP2014/058540)  
[87] (WO2014/177488)  
[30] EP (13165864.3) 2013-04-29

[21] **2,909,115**  
[13] A1

[51] **Int.Cl. C08F 220/18 (2006.01) C08F 290/04 (2006.01) C10M 119/10 (2006.01)**  
[25] EN  
[54] **TRANSMISSION OIL FORMULATION FOR REDUCING FUEL CONSUMPTION**  
[54] **FORMULATION D'HUILE POUR BOITE DE VITESSES REDUISANT LA CONSOMMATION DE CARBURANT**  
[72] EISENBERG, BORIS, DE  
[72] STOHR, TORSTEN, DE  
[71] EVONIK OIL ADDITIVES GMBH, DE  
[85] 2015-10-08  
[86] 2014-04-08 (PCT/EP2014/057041)  
[87] (WO2014/170169)  
[30] EP (13002054.8) 2013-04-18

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[21] **2,909,117**  
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4375 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61K 31/473 (2006.01) A61K 31/4741 (2006.01) A61K 31/5025 (2006.01) A61K 31/519 (2006.01) A61P 11/00 (2006.01) A61P 11/06 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01) A61P 19/02 (2006.01) A61P 19/10 (2006.01) A61P 29/00 (2006.01)**

[25] EN  
[54] **THE TREATMENT OF INFLAMMATORY DISORDERS**  
[54] **TRAITEMENT DE TROUBLES INFLAMMATOIRES**  
[72] ROTHUL, ALAN LESLIE, GB  
[72] VINTER, JEREMY GILBERT, GB  
[72] SCOFFIN, ROBERT ARTHUR, GB  
[71] CRESSET BIOMOLECULAR DISCOVERY LTD, GB  
[85] 2015-10-08  
[86] 2014-04-09 (PCT/GB2014/051109)  
[87] (WO2014/167327)  
[30] GB (1306411.8) 2013-04-09  
[30] GB (1306413.4) 2013-04-09

[21] **2,909,118**  
[13] A1

[51] **Int.Cl. F28F 9/18 (2006.01) F28D 7/16 (2006.01) F28F 1/36 (2006.01) F28F 13/06 (2006.01)**

[25] EN  
[54] **HYGIENIC HEAT EXCHANGER**  
[54] **ECHANGEUR DE CHALEUR HYGIENIQUE**  
[72] POULSEN, OLE, DK  
[72] THORSEN, KNUD, DK  
[71] SPX FLOW TECHNOLOGY DANMARK A/S, DK  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/EP2014/057237)  
[87] (WO2014/167041)  
[30] DK (PA 2013 00215) 2013-04-11

[21] **2,909,120**  
[13] A1

[51] **Int.Cl. B31D 5/00 (2006.01) B31B 19/00 (2006.01) B65D 81/03 (2006.01)**

[25] EN  
[54] **INFLATABLE POUCHES**  
[54] **POCHES GONFLABLES**  
[72] LEPINE, JAY D., US  
[72] MURCH, BRIAN A., US  
[72] SPERRY, LAURENCE B., US  
[71] SEALED AIR CORPORATION (US), US  
[85] 2015-10-08  
[86] 2014-04-18 (PCT/US2014/034640)  
[87] (WO2014/172628)  
[30] US (13/866,080) 2013-04-19

[21] **2,909,121**  
[13] A1

[51] **Int.Cl. A61K 31/567 (2006.01) A61P 15/00 (2006.01)**

[25] EN  
[54] **PROGESTERONE RECEPTOR ANTAGONIST DOSAGE FORM**  
[54] **FORME POSOLOGIQUE DE L'ANTAGONISTE DU RECEPTEUR DE LA PROGESTERONE**  
[72] SCHUTT, BARBARA, DE  
[72] SCHULTZE-MOSGAU, MARCUS-HILLERT, DE  
[72] KAISER, ANDREAS, DE  
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE  
[85] 2015-10-08  
[86] 2014-04-09 (PCT/EP2014/057101)  
[87] (WO2014/166971)  
[30] EP (13163417.2) 2013-04-11

[21] **2,909,122**  
[13] A1

[51] **Int.Cl. G06K 19/077 (2006.01) G06Q 30/02 (2012.01) B42D 15/02 (2006.01) B42D 25/485 (2014.01) G06K 7/10 (2006.01)**

[25] EN  
[54] **IMPROVEMENTS RELATING TO BUSINESS CARDS**  
[54] **AMELIORATIONS ASSOCIEES A DES CARTES PROFESSIONNELLES**  
[72] THOROGOOD, PAUL, GB  
[71] MOO PRINT LIMITED, GB  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/GB2014/051132)  
[87] (WO2014/167344)  
[30] GB (1306552.9) 2013-04-10

[21] **2,909,123**  
[13] A1

[51] **Int.Cl. B64C 25/02 (2006.01) B64C 25/32 (2006.01) F16F 7/12 (2006.01)**

[25] EN  
[54] **IMPACT ABSORBER DEVICE, PARTICULARLY FOR AIRCRAFT**  
[54] **DISPOSITIF AMORTISSEUR DE CHOCS, DESTINE EN PARTICULIER A UN AERONEF**  
[72] LOSI, JOYCE ADRIANO, IT  
[71] SIA AEROSPACE S.R.L., IT  
[85] 2015-10-08  
[86] 2014-04-11 (PCT/EP2014/057358)  
[87] (WO2014/167087)  
[30] IT (MI2013A 000604) 2013-04-12

[21] **2,909,124**  
[13] A1

[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/167 (2006.01) A61K 31/58 (2006.01)**

[25] EN  
[54] **A PHARMACEUTICAL COMPOSITION CONTAINING BUDESONIDE AND FORMOTEROL**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT DU BUDESONIDE ET DU FORMOTEROL**  
[72] CAPONETTI, GIOVANNI, IT  
[72] MAGGI, LORETTA, IT  
[72] SARDINA, MARCO, IT  
[72] CASTEGINI, FRANCO, IT  
[72] FAIELLA, GIANLUIGI, IT  
[72] REBOLINI, DANIELA, IT  
[71] ZAMBON S.P.A., IT  
[85] 2015-10-08  
[86] 2014-04-09 (PCT/EP2014/057209)  
[87] (WO2014/167028)  
[30] IT (MI2013A000571) 2013-04-10

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[13] A1

[51] **Int.Cl. G01N 27/62 (2006.01)**  
[25] EN  
[54] **IMPROVED ION MOBILITY SPECTROMETER**  
[54] **SPECTROMETRE DE MOBILITE IONIQUE AMELIOREE**  
[72] GILES, KEVIN, GB  
[72] GREEN, MARTIN RAYMOND, GB  
[72] HOYES, JOHN BRIAN, GB  
[72] PRINGLE, STEVEN DEREK, GB  
[72] WILDGOOSE, JASON LEE, GB  
[71] MICROMASS UK LIMITED, GB  
[85] 2015-10-08  
[86] 2014-04-17 (PCT/GB2014/051224)  
[87] (WO2014/174260)  
[30] GB (1307404.2) 2013-04-24  
[30] EP (13165210.9) 2013-04-24

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[21] **2,909,126**  
[13] A1

[51] **Int.Cl. C07D 401/12 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01) C07K 5/02 (2006.01) C07D 207/08 (2006.01) C07D 417/12 (2006.01)**  
[25] EN  
[54] **DERIVATIVES OF DOLASTATIN 10 AND AURISTATINS**  
[54] **DERIVES DE DOLASTATINE 10 ET D'AURISTATINES**  
[72] PEREZ, MICHEL, FR  
[72] RILATT, IAN, FR  
[72] LAMOTHE, MARIE, FR  
[71] PIERRE FABRE MEDICAMENT, FR  
[85] 2015-10-08  
[86] 2014-04-25 (PCT/EP2014/058427)  
[87] (WO2014/174064)  
[30] FR (1353793) 2013-04-25

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[21] **2,909,127**  
[13] A1

[51] **Int.Cl. A61D 9/00 (2006.01) A61B 5/00 (2006.01)**  
[25] EN  
[54] **PLURALITY OF LAMINATION FOR SOFT TISSUE COMPRESSION SUPPORT, PROTECTION AND BRACING INTELLIGENT TEXTILE FOR EQUINE AND EQUESTRIAN SPORTS OR ACTIVITIES**  
[54] **PLURALITE DE STRATIFICATIONS POUR TEXTILE INTELLIGENT DE SUPPORT DE COMPRESSION DE TISSU MOU, DE PROTECTION ET DE RENFORT POUR SPORTS OU ACTIVITES HIPPIQUES OU EQUESTRES**  
[72] BARNETT, KELLY, US  
[71] BARNETT, KELLY, US  
[85] 2015-10-08  
[86] 2014-03-19 (PCT/US2014/031203)  
[87] (WO2014/153399)  
[30] US (13/847,982) 2013-03-20

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[21] **2,909,128**  
[13] A1

[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/588 (2006.01)**  
[25] FR  
[54] **EXTRACTION FLUIDS BASED ON ASSOCIATIVE POLYMERS AND ON LABILE SURFACTANTS**  
[54] **FLUIDES D'EXTRACTION A BASE DE POLYMERES ASSOCIATIFS ET DE TENSIOACTIFS LABILES**  
[72] CADIX, ARNAUD, FR  
[72] WILSON, JAMES, FR  
[71] RHODIA OPERATIONS, FR  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/EP2014/057286)  
[87] (WO2014/167059)  
[30] FR (1300865) 2013-04-11

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[21] **2,909,129**  
[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/385 (2006.01)**  
[25] EN  
[54] **FUSION POLYPEPTIDES AND VACCINES**  
[54] **POLYPEPTIDES DE FUSION ET VACCINS**  
[72] SATO, TAKANORI, JP  
[71] CEVA SANTE ANIMALE, FR  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/EP2014/057287)  
[87] (WO2014/167060)  
[30] EP (13163299.4) 2013-04-11

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[21] **2,909,130**  
[13] A1

[51] **Int.Cl. G02F 1/01 (2006.01) E06B 9/24 (2006.01) G02F 1/1334 (2006.01) G02F 1/1339 (2006.01) G02F 1/1343 (2006.01) G02F 1/155 (2006.01) G02F 1/161 (2006.01) G02F 1/167 (2006.01) G02F 1/17 (2006.01)**  
[25] EN  
[54] **MULTILAYER FILM WITH ELECTRICALLY SWITCHABLE OPTICAL PROPERTIES**  
[54] **FILM MULTICOUCHE AYANT DES PROPRIETES OPTIQUES COMMUTABLES ELECTRIQUEMENT**  
[72] BEHMKE, MICHAEL, DE  
[72] ANDREAU-WIEDENMAIER, ANNABELLE, DE  
[72] LETOCART, PHILIPPE, BE  
[71] CARDINAL IG COMPANY, US  
[85] 2015-10-08  
[86] 2014-01-15 (PCT/EP2014/050685)  
[87] (WO2014/166641)  
[30] EP (13163090.7) 2013-04-10

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[21] **2,909,131**  
[13] A1

[51] **Int.Cl. A47J 31/06 (2006.01) B65D 85/804 (2006.01)**

[25] EN

[54] **METHOD, INFUSION ASSEMBLY, AND CARTRIDGE FOR THE PREPARATION OF A LIQUID PRODUCT**

[54] **PROCEDE, ENSEMBLE D'INFUSION, ET CARTOUCHE POUR LA PREPARATION D'UN PRODUIT LIQUIDE**

[72] CABILLI, ALBERTO, IT  
[72] BUGNANO, LUCA, IT  
[72] TOTTONI, FABIO, IT  
[71] LUIGI LAVAZZA S.P.A., IT  
[85] 2015-10-08  
[86] 2014-03-11 (PCT/IB2014/059618)  
[87] (WO2014/188285)  
[30] IT (TO2013A000404) 2013-05-21

[21] **2,909,132**  
[13] A1

[51] **Int.Cl. C03B 5/43 (2006.01) F27D 1/00 (2006.01) F27D 1/12 (2006.01) F27D 1/14 (2006.01) F27D 1/16 (2006.01)**

[25] EN

[54] **FOAM INSULATION FOR CONTAINER WALL ELEMENTS**

[54] **ISOLATION PAR MOUSSE POUR ELEMENTS DE PAROI DE RESERVOIR**

[72] GEIB, UWE, DE  
[71] GEIB, UWE, DE  
[85] 2015-09-30  
[86] 2013-04-02 (PCT/EP2013/000972)  
[87] (WO2013/143712)  
[30] DE (10 2012 006 582.5) 2012-03-30

[21] **2,909,133**  
[13] A1

[51] **Int.Cl. H01L 31/107 (2006.01) H01L 27/144 (2006.01) H01L 31/0224 (2006.01)**

[25] EN

[54] **SILICON PHOTOMULTIPLIER WITH VERY LOW OPTICAL CROSS-TALK AND IMPROVED READOUT**

[54] **PHOTOMULTIPLICATEUR AU SILICIUM COMPORTANT UNE TRES FAIBLE DIAPHONIE OPTIQUE ET UNE LECTURE AMELIOREE**

[72] MIRZOYAN, RAZMIK, DE  
[72] TESHIMA, MASAHIRO, DE  
[72] POPOVA, ELENA, RU  
[71] MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V., DE  
[85] 2015-10-08  
[86] 2014-04-16 (PCT/EP2014/057806)  
[87] (WO2014/170401)  
[30] EP (13164107.8) 2013-04-17

[21] **2,909,134**  
[13] A1

[51] **Int.Cl. A23L 3/349 (2006.01) A23L 3/3562 (2006.01)**

[25] EN

[54] **METHOD FOR TREATING A FOOD PRODUCT AND A TREATED FOOD PRODUCT**

[54] **PROCEDE DE TRAITEMENT D'UN PRODUIT ALIMENTAIRE ET PRODUIT ALIMENTAIRE TRAITE**

[72] HAGGBLOM, MARTIN, FI  
[72] NORDSTROM, JAN-ERIK, SE  
[71] STORA ENSO OYJ, FI  
[85] 2015-10-08  
[86] 2014-04-23 (PCT/IB2014/060944)  
[87] (WO2014/174464)  
[30] SE (1300307-4) 2013-04-26

[21] **2,909,135**  
[13] A1

[51] **Int.Cl. C25C 3/08 (2006.01) C25C 3/06 (2006.01) C25C 3/20 (2006.01) F25D 17/00 (2006.01) F27D 1/12 (2006.01) F27D 9/00 (2006.01)**

[25] EN

[54] **ALUMINIUM ELECTROLYSIS CELL COMPRISING SIDEWALL TEMPERATURE CONTROL SYSTEM**

[54] **CELLULE D'ELECTROLYSE DE L'ALUMINIUM COMPRENANT UN SYSTEME DE REGULATION THERMIQUE DE PAROIS LATERALES**

[72] SEDLAK, VEROSLAV, NO  
[71] GOODTECH RECOVERY TECHNOLOGY AS, NO  
[85] 2015-10-08  
[86] 2014-05-06 (PCT/NO2014/050072)  
[87] (WO2014/182176)  
[30] NO (20130640) 2013-05-06

[21] **2,909,136**  
[13] A1

[51] **Int.Cl. C07D 213/79 (2006.01) C07D 213/803 (2006.01) C07D 213/85 (2006.01) C07D 241/24 (2006.01) C07D 413/12 (2006.01)**

[25] EN

[54] **SYNTHESIS OF BACE INHIBITORS**

[54] **SYNTHESE D'INHIBITEURS DE BACE1**

[72] FETTES, ALEC, CH  
[72] MARTY, HANS-PETER, CH  
[72] SCALONE, MICHELANGELO, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2015-10-08  
[86] 2014-04-23 (PCT/EP2014/058172)  
[87] (WO2014/173917)  
[30] EP (13165634.0) 2013-04-26

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[21] **2,909,137**  
[13] A1

[51] **Int.Cl. H01M 8/02 (2006.01) H01M 8/24 (2006.01) H01M 8/10 (2006.01)**

[25] EN

[54] **CELL STRUCTURE FOR FUEL CELL STACK**

[54] **STRUCTURES DE CELLULES D'UN EMPILEMENT DE PILE A COMBUSTIBLE**

[72] KAGEYAMA, KAZUHIRO, JP

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

[85] 2015-10-08

[86] 2014-03-24 (PCT/JP2014/058032)

[87] (WO2014/174959)

[30] JP (2013-089134) 2013-04-22

[21] **2,909,138**  
[13] A1

[51] **Int.Cl. C12G 1/00 (2006.01) C12C 11/00 (2006.01) C12C 13/00 (2006.01) C12G 3/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR PRESERVING THE AROMA OF A FERMENTABLE BEVERAGE**

[54] **APPAREIL ET METHODE DE CONSERVATION DE L'AROME D'UNE BOISSON FERMENTESCIBLE**

[72] JONES, RICHARD L., CA

[71] JONES, RICHARD L., CA

[85] 2015-10-09

[86] 2014-04-17 (PCT/CA2014/000359)

[87] (WO2014/169378)

[30] US (61/813,529) 2013-04-18

[21] **2,909,139**  
[13] A1

[51] **Int.Cl. C07K 16/18 (2006.01)**

[25] EN

[54] **COMPOSITION WITH REDUCED IMMUNOGENICITY**

[54] **COMPOSITION AYANT UNE IMMUNOGENICITE REDUITE**

[72] COUVRAT-DESVERGNES, GREGOIRE, FR

[72] SOULILLOU, JEAN-PAUL, FR

[72] GIRAL, MAGALI, FR

[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, FR

[85] 2015-10-08

[86] 2014-04-17 (PCT/IB2014/060813)

[87] (WO2014/170867)

[30] EP (13305507.9) 2013-04-18

[21] **2,909,140**  
[13] A1

[51] **Int.Cl. A21D 10/02 (2006.01) B65B 31/04 (2006.01) B65B 53/00 (2006.01) B65D 81/20 (2006.01)**

[25] EN

[54] **REFRIGERATED CHEMICALLY LEAVENED DOUGH IN PRESSURIZED CONTAINER**

[54] **PATE A LEVURE CHIMIQUE REFRIGEREE DANS UN CONTENANT SOUS PRESSION**

[72] DOMINGUES, DAVID J., US

[72] KACKMAN, SCOTT, US

[72] KIRK, DAVID A., US

[72] NAGY, JASON, US

[72] TOSTENSON, TAL A., US

[72] LORENCE, MATTHEW W., US

[71] GENERAL MILLS, INC., US

[85] 2015-10-08

[86] 2014-04-03 (PCT/US2014/032817)

[87] (WO2014/172113)

[30] US (13/863,881) 2013-04-16

[21] **2,909,142**  
[13] A1

[51] **Int.Cl. D03D 11/00 (2006.01) D03D 1/00 (2006.01) D03D 15/10 (2006.01)**

[25] EN

[54] **INDUSTRIAL FABRIC OF DOUBLE WARPS-SINGLE-WEFT TYPE**

[54] **TISSU INDUSTRIEL DE TYPE A CHAINES DOUBLES ET TRAME SIMPLE**

[72] USUKI, TSUTOMU, JP

[71] NIPPON FILCON CO., LTD., JP

[85] 2015-10-08

[86] 2014-06-03 (PCT/JP2014/064698)

[87] (WO2015/015895)

[30] JP (2013-159362) 2013-07-31

[21] **2,909,143**  
[13] A1

[51] **Int.Cl. B02C 13/00 (2006.01) B02C 13/284 (2006.01)**

[25] EN

[54] **DISCHARGE GRATES FOR REDUCTION MILLS**

[54] **GRILLES D'EVACUATION POUR BROyeurs DE DECHIQUETAGE**

[72] MORROW, DANIEL R., US

[72] WEEKS, MICHAEL R., US

[72] MORGAN, LONNY V., US

[71] ESCO CORPORATION, US

[85] 2015-10-09

[86] 2014-04-08 (PCT/US2014/033369)

[87] (WO2014/168967)

[30] US (61/809,957) 2013-04-09

[21] **2,909,145**  
[13] A1

[51] **Int.Cl. H04N 21/43 (2011.01) H04N 21/40 (2011.01)**

[25] EN

[54] **BROADCASTING TRANSMISSION DEVICE, BROADCASTING RECEPTION DEVICE, OPERATING METHOD OF BROADCASTING TRANSMISSION DEVICE AND OPERATING METHOD OF BROADCASTING RECEPTION DEVICE**

[54] **DISPOSITIF DE TRANSMISSION PAR DIFFUSION, DISPOSITIF DE RECEPTION PAR DIFFUSION, PROCEDE FONCTIONNEL POUR DISPOSITIF DE TRANSMISSION PAR DIFFUSION ET PROCEDE FONCTIONNEL POUR DISPOSITIF DE RECEPTION PAR DIFFUSION**

[72] OH, SEJIN, KR

[72] PARK, JUNGWOOK, KR

[72] MOON, KYOUNGSOO, KR

[72] KWON, WOOSUK, KR

[71] LG ELECTRONICS INC., KR

[85] 2015-10-08

[86] 2014-04-15 (PCT/KR2014/003272)

[87] (WO2014/171718)

[30] US (61/812,713) 2013-04-16

[21] **2,909,146**  
[13] A1

[51] **Int.Cl. F22B 31/00 (2006.01) F23C 5/08 (2006.01) F23C 10/00 (2006.01) F23C 10/10 (2006.01) F23D 1/00 (2006.01)**

[25] EN

[54] **DUAL PHASE FUEL FEEDER FOR BOILERS**

[54] **DISPOSITIF D'ALIMENTATION EN COMBUSTIBLE A DEUX PHASES POUR CHAUDIERES**

[72] DESELLEM, JAMES F., US

[72] HEIL, KARL M., US

[72] YODER, JEREMIAH J., US

[72] LARUE, ALBERT D., US

[72] MARYAMCHIK, MIKHAIL, US

[72] STIRGWOLT, WILLIAM R., US

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

[85] 2015-10-08

[86] 2014-04-07 (PCT/US2014/033199)

[87] (WO2014/168881)

[30] US (61/810,960) 2013-04-11

[30] US (14/246,683) 2014-04-07

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[51] **Int.Cl. B60R 11/00 (2006.01)**  
[25] EN  
[54] **ACCESSORY MOUNTING ASSEMBLY**  
[54] **ENSEMBLE DE MONTAGE D'ACCESSOIRE**  
[72] JORDAN, JON, US  
[72] JORDAN, JEFF, US  
[71] SOUTHERN AUDIO SERVICES, INC., US  
[85] 2015-10-09  
[86] 2014-04-09 (PCT/US2014/033425)  
[87] (WO2014/176029)  
[30] US (13/867,681) 2013-04-22  
[30] US (14/058,359) 2013-10-21  
[30] US (14/170,792) 2014-02-03

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[13] A1  
[51] **Int.Cl. A01K 97/00 (2006.01)**  
[25] EN  
[54] **CONICAL SHAPE FOR HEAVY WEIGHT AND/OR METALLIC RIGID MESHES**  
[54] **FOND CONIQUE POUR PANNEAU DE FOND DE TREILLIS OU RESEAUX RIGIDES, ET/OU METALLIQUES**  
[72] SANCHEZ RACCARO, RODRIGO, CL  
[71] SANCHEZ RACCARO, RODRIGO, CL  
[85] 2015-10-08  
[86] 2013-03-08 (PCT/CL2013/000017)  
[87] (WO2014/134747)

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[13] A1  
[51] **Int.Cl. A01N 35/02 (2006.01) A01N 25/18 (2006.01) A01N 31/08 (2006.01) A01N 37/02 (2006.01) A01N 47/46 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**  
[25] EN  
[54] **ANTIMICROBIAL MIXTURES OF AN ESSENTIAL OIL DERIVED BACTERICIDE AND AN ESSENTIAL OIL DERIVED FUNGICIDE WHICH EXTEND THE SHELF-LIFE OF PERISHABLE AGRICULTURAL COMMODITIES**  
[54] **MELANGES ANTIMICROBIENS D'UNE SUBSTANCE BACTERICIDE DERIVEE D'HUILE ESSENTIELLE ET D'UN FONGICIDE DERIVE D'HUILE ESSENTIELLE RALLONGEANT LA DUREE DE CONSERVATION DES DENREES AGRICOLES PERISSABLES.**  
[72] LIDSTER, PERRY, CA  
[72] CACACE, EDUARDO, CA  
[72] DELAQUIS, PASCAL, CA  
[71] LIDSTER, PERRY, CA  
[71] CACACE, EDUARDO, CA  
[71] DELAQUIS, PASCAL, CA  
[85] 2015-10-09  
[86] 2014-04-10 (PCT/CA2014/000337)  
[87] (WO2014/165969)  
[30] US (61/811,152) 2013-04-12

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[21] **2,909,151**  
[13] A1  
[51] **Int.Cl. H01B 17/26 (2006.01)**  
[25] EN  
[54] **HIGH VOLTAGE ELECTRIC POWER FEED-THROUGH APPARATUS**  
[54] **APPAREIL DE TRAVERSEE DE PUISSANCE ELECTRIQUE HAUTE TENSION**  
[72] HALLERAKER, MORTEN, NO  
[72] MAYER, HELMUT, DE  
[72] BITZ, GUNTER, DE  
[71] EULER CERAMIC SYSTEMS AS, NO  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/NO2014/050054)  
[87] (WO2014/175744)  
[30] NO (20130481) 2013-04-10

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[21] **2,909,152**  
[13] A1  
[51] **Int.Cl. F04D 25/14 (2006.01) F04D 29/40 (2006.01) F24F 7/013 (2006.01) F24F 13/10 (2006.01)**  
[25] EN  
[54] **DAMPER-INTEGRATED BLOWER HAVING IMPROVED AIRTIGHTNESS**  
[54] **SOUFFLANTE A REGISTRE INTEGRE AYANT UNE ETANCHEITE A L'AIR AMELIOREE**  
[72] PARK, MUN SU, KR  
[71] CENDORI CO., LTD., KR  
[85] 2015-10-08  
[86] 2014-04-22 (PCT/KR2014/003495)  
[87] (WO2014/175629)  
[30] KR (10-2013-0046093) 2013-04-25

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[13] A1  
[51] **Int.Cl. A61K 47/48 (2006.01) A61K 35/74 (2015.01) A61K 38/16 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) G01N 33/574 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR DETECTION AND TREATMENT OF HEPATOCELLULAR CARCINOMA**  
[54] **COMPOSITIONS ET PROCEDES DE DETECTION ET DE TRAITEMENT DE CARCINOME HEPATOCELLULAIRE**  
[72] TANAKA, SHINJI, JP  
[72] MACDONALD, GLEN, CA  
[71] VIVENTIA BIO INC., CA  
[85] 2015-10-08  
[86] 2014-04-14 (PCT/CA2014/050373)  
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[13] A1

[51] **Int.Cl. C22B 1/02 (2006.01) C22B 3/10 (2006.01) C22B 3/20 (2006.01) C22B 3/38 (2006.01) C22B 3/44 (2006.01) C22B 34/12 (2006.01) C22B 34/22 (2006.01)**

[25] EN

[54] **METHOD FOR PROCESSING VANADIUM-TITANIUM MAGNETITE FINISHED ORES BY USING WET PROCESS**

[54] **PROCEDE DE TRAITEMENT PAR VOIE HUMIDE DE MINERAIS FINIS DE MAGNETITE DE VANADIUM-TITANE**

[72] QI, TAO, CN  
[72] WANG, LINA, CN  
[72] CHEN, DESHENG, CN  
[72] ZHAO, HONGXIN, CN  
[72] LIU, YAHUI, CN  
[72] XUE, TIANYAN, CN  
[72] QU, JINGKUI, CN  
[71] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/CN2014/075030)  
[87] (WO2014/183511)  
[30] CN (201310183647.8) 2013-05-17  
[30] CN (201310184750.4) 2013-05-17

[21] **2,909,155**  
[13] A1

[51] **Int.Cl. G06F 15/16 (2006.01) G06Q 10/10 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR PROCESSING INPUT STREAMS OF CALENDAR APPLICATIONS**

[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE FLUX D'ENTREE D'APPLICATIONS D'AGENDA**

[72] SHIGABUTDINOV, RUSLAN ALBERTOVICH, RU  
[71] SHIGABUTDINOV, RUSLAN ALBERTOVICH, RU  
[85] 2015-10-08  
[86] 2013-04-10 (PCT/RU2013/000306)  
[87] (WO2014/168502)

[21] **2,909,156**  
[13] A1

[51] **Int.Cl. B23D 47/04 (2006.01) B25B 1/24 (2006.01) B25B 5/14 (2006.01)**

[25] EN

[54] **TWIN CLAMP DEVICE**

[54] **DISPOSITIF DE SERRAGE DOUBLE**

[72] RATTUNDE, ULRICH, DE  
[71] RATTUNDE & CO GMBH, DE  
[85] 2015-10-08  
[86] 2014-03-25 (PCT/EP2014/056001)  
[87] (WO2014/166736)  
[30] DE (10 2013 103 587.6) 2013-04-10

[21] **2,909,158**  
[13] A1

[51] **Int.Cl. G07C 3/00 (2006.01)**

[25] EN

[54] **MONITORING A GRABBING MECHANISM**

[54] **SURVEILLANCE D'UN MECANISME DE SAISIS**

[72] TONCREY, SHANE, US  
[71] ANVIL ATTACHMENTS, US  
[85] 2015-10-09  
[86] 2014-04-09 (PCT/US2014/033482)  
[87] (WO2014/169029)  
[30] US (61/810,095) 2013-04-09  
[30] US (14/248,785) 2014-04-09

[21] **2,909,159**  
[13] A1

[51] **Int.Cl. F01K 23/10 (2006.01)**

[25] EN

[54] **METHOD FOR FLEXIBLE OPERATION OF A POWER PLANT**

[54] **PROCEDE D'EXPLOITATION FLEXIBLE D'UNE CENTRALE ELECTRIQUE**

[72] BRUCKNER, JAN, DE  
[72] THOMAS, FRANK, DE  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[85] 2015-10-08  
[86] 2014-03-26 (PCT/EP2014/056028)  
[87] (WO2014/166739)  
[30] EP (13163024.6) 2013-04-10

[21] **2,909,160**  
[13] A1

[51] **Int.Cl. A61K 31/34 (2006.01) A01N 43/90 (2006.01) A61K 31/4525 (2006.01)**

[25] EN

[54] **FORMULATIONS OF OXABICYCLOHEPTANES AND OXABICYCLOHEPTENES**

[54] **FORMULATIONS D'OXABICYCLOHEPTANES ET D'OXABICYCLOHEPTENES**

[72] KOVACH, JOHN S., US  
[72] WELLS, MICKEY L., US  
[71] LIXTE BIOTECHNOLOGY, INC., US  
[85] 2015-10-08  
[86] 2014-04-08 (PCT/US2014/033317)  
[87] (WO2014/168941)  
[30] US (61/810,053) 2013-04-09

[21] **2,909,161**  
[13] A1

[51] **Int.Cl. G06F 21/57 (2013.01) G06F 21/55 (2013.01) H04L 12/22 (2006.01)**

[25] EN

[54] **INTERNET PROTOCOL THREAT PREVENTION**

[54] **PREVENTION DE MENACE DE PROTOCOLE INTERNET**

[72] MAESTAS, DAVID EDWARD, US  
[71] BANDURA, LLC, US  
[85] 2015-10-08  
[86] 2014-03-13 (PCT/US2014/025741)  
[87] (WO2014/160062)  
[30] US (61/782,669) 2013-03-14

[21] **2,909,162**  
[13] A1

[51] **Int.Cl. B60C 15/04 (2006.01) B60C 1/00 (2006.01)**

[25] EN

[54] **TIRE BEAD**

[54] **TALON DE PNEU**

[72] PIERCE, DOUG, US  
[72] SCHIMMOELLER, DALE E., US  
[72] BOWMAN, GREG C., US  
[72] DONLEY, TIMOTHY M., US  
[71] COOPER TIRE & RUBBER COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-09 (PCT/US2014/033500)  
[87] (WO2014/169038)  
[30] US (61/810,040) 2013-04-09



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[13] A1

[51] **Int.Cl. H02M 1/12 (2006.01) H02P 27/04 (2006.01)**

[25] EN

[54] **DRIVE OUTPUT HARMONIC MITIGATION DEVICES AND METHODS OF USE THEREOF**

[54] **DISPOSITIFS D'ATTENUATION D'HARMONIQUES DE SORTIE D'ATTAQUE ET LEURS PROCEDES D'UTILISATION**

[72] SHUDAREK, TODD, US

[72] MERTES, JOEL, US

[71] MTE CORPORATION, US

[85] 2015-10-08

[86] 2014-04-09 (PCT/US2014/033523)

[87] (WO2014/169053)

[30] US (61/809,963) 2013-04-09

[21] **2,909,164**  
[13] A1

[51] **Int.Cl. B63B 21/66 (2006.01) B63G 8/39 (2006.01) B63G 8/42 (2006.01) G01V 1/38 (2006.01)**

[25] EN

[54] **REELING DEVICE AND METHOD FOR RELEASING AND RETRIEVING A TOWED ARRAY SONAR**

[54] **DISPOSITIF DE DEPLOIEMENT ET PROCEDE POUR DEROULER ET ENROULER UN SONAR REMORQUE**

[72] BARG, ULRICH, DE

[72] LICHT, JOACHIM, DE

[71] ATLAS ELEKTRONIK GMBH, DE

[85] 2015-10-08

[86] 2014-04-25 (PCT/DE2014/100143)

[87] (WO2014/190973)

[30] DE (10 2013 105 593.1) 2013-05-30

[21] **2,909,165**  
[13] A1

[51] **Int.Cl. A61C 17/08 (2006.01) A61C 17/12 (2006.01)**

[25] EN

[54] **DENTAL ASPIRATION DEVICE AND METHOD OF USE**

[54] **DISPOSITIF D'ASPIRATION DENTAIRE ET PROCEDE D'UTILISATION**

[72] HIRSCH, JAMES A., US

[71] INNERLITE, INC., US

[85] 2015-10-09

[86] 2014-04-09 (PCT/US2014/033545)

[87] (WO2014/169065)

[30] US (61/811,651) 2013-04-12

[30] US (14/248,719) 2014-04-09

[21] **2,909,166**  
[13] A1

[51] **Int.Cl. A61B 19/00 (2006.01) A61B 17/56 (2006.01)**

[25] EN

[54] **ON-BOARD TOOL TRACKING SYSTEM AND METHODS OF COMPUTER ASSISTED SURGERY**

[54] **SYSTEME EMBARQUE DE SUIVI D'INSTRUMENT ET METHODES DE CHIRURGIE ASSISTEE PAR ORDINATEUR**

[72] HAIDER, HANI, US

[72] AL-SHAWI, IBRAHIM, US

[72] BARRERA, OSVALDO ANDRES, US

[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US

[85] 2015-10-08

[86] 2014-03-13 (PCT/US2014/025813)

[87] (WO2014/151474)

[30] US (13/842,526) 2013-03-15

[21] **2,909,168**  
[13] A1

[51] **Int.Cl. A61B 19/00 (2006.01) G06T 7/20 (2006.01)**

[25] EN

[54] **ON-BOARD TOOL TRACKING SYSTEM AND METHODS OF COMPUTER ASSISTED SURGERY**

[54] **SYSTEME DE SUIVI D'INSTRUMENT INTEGRE ET PROCEDES DE CHIRURGIE ASSISTEE PAR ORDINATEUR**

[72] HAIDER, HANI, US

[72] AL-SHAWI, IBRAHIM, US

[72] BARRERA, OSVALDO ANDRES, US

[72] SAUNDERS, DAVID SCOTT, US

[71] TRAK SURGICAL, INC., US

[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US

[85] 2015-10-08

[86] 2014-03-14 (PCT/US2014/029334)

[87] (WO2014/144780)

[30] US (61/799,656) 2013-03-15

[21] **2,909,173**  
[13] A1

[51] **Int.Cl. A61B 5/0478 (2006.01)**

[25] EN

[54] **MEASUREMENT ELECTRODE ARRANGEMENT**

[54] **ENSEMBLE ELECTRODE DE MESURE**

[72] PEUSCHER, JAN HENRIK JOHAN, NL

[71] TMS INTERNATIONAL B.V., NL

[85] 2015-10-09

[86] 2014-03-27 (PCT/EP2014/056160)

[87] (WO2014/166750)

[30] DE (102013006276.4) 2013-04-10

[30] DE (102013018478.9) 2013-10-29

[21] **2,909,169**  
[13] A1

[51] **Int.Cl. A61K 31/4725 (2006.01) A61P 3/12 (2006.01)**

[25] EN

[54] **NHE3-BINDING COMPOUNDS AND METHODS FOR INHIBITING PHOSPHATE TRANSPORT**

[54] **COMPOSES DE LIAISON A NHE3 ET PROCEDES D'INHIBITION DU TRANSPORT DE PHOSPHATE**

[72] CARRERAS, CHRISTOPHER, US

[72] CHARMOT, DOMINIQUE, US

[72] JACOBS, JEFFREY W., US

[72] LABONTE, ERIC, US

[72] LEWIS, JASON G., US

[71] ARDELYX, INC., US

[85] 2015-10-09

[86] 2014-04-10 (PCT/US2014/033603)

[87] (WO2014/169094)

[30] US (61/811,613) 2013-04-12

[30] US (61/888,879) 2013-10-09

[21] **2,909,172**  
[13] A1

[51] **Int.Cl. F03D 11/00 (2006.01) F03D 7/02 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTING ICE ON A WIND TURBINE ROTOR BLADE**

[54] **SYSTEME ET PROCEDE DE DETECTION DE GLACE SUR UNE PALE DE ROTOR D'EOLIENNE**

[72] CASTRO, JORGE GONZALEZ, DE

[71] GENERAL ELECTRIC COMPANY, US

[85] 2015-10-08

[86] 2014-03-19 (PCT/US2014/031190)

[87] (WO2014/168745)

[30] US (13/860,783) 2013-04-11

[21] **2,909,173**  
[13] A1

[51] **Int.Cl. A61B 5/0478 (2006.01)**

[25] EN

[54] **MEASUREMENT ELECTRODE ARRANGEMENT**

[54] **ENSEMBLE ELECTRODE DE MESURE**

[72] PEUSCHER, JAN HENRIK JOHAN, NL

[71] TMS INTERNATIONAL B.V., NL

[85] 2015-10-09

[86] 2014-03-27 (PCT/EP2014/056160)

[87] (WO2014/166750)

[30] DE (102013006276.4) 2013-04-10

[30] DE (102013018478.9) 2013-10-29

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[13] A1

[51] **Int.Cl. G08B 13/19 (2006.01) G08B 13/196 (2006.01) H04N 5/232 (2006.01) H04N 5/33 (2006.01) H04N 7/18 (2006.01)**

[25] EN

[54] **LOW-COST, COMPACT SECURITY MONITORING**

[54] **SURVEILLANCE DE SECURITE COMPACTE A FAIBLE COUT**

[72] REIBEL, JEAN-MICHEL, US

[72] SAAD, SAMI, US

[71] RSI VIDEO TECHNOLOGIES, INC., US

[85] 2015-10-08

[86] 2014-04-09 (PCT/US2014/033551)

[87] (WO2014/169070)

[30] US (61/810,247) 2013-04-09

[30] US (61/810,245) 2013-04-09

[21] **2,909,176**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) A61B 5/15 (2006.01) A61B 5/157 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BLOOD SAMPLING TRANSFER DEVICE AND BLOOD SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE TRANSFERT D'ECHANTILLON SANGUIN ET SYSTEME DE SEPARATION ET D'ANALYSE SANGUINE**

[72] FLETCHER, GARY D., US

[72] NEWBY, C., MARK, US

[72] WILKINSON, BRADLEY M., US

[71] BECTON DICKINSON AND COMPANY, US

[85] 2015-10-08

[86] 2014-04-14 (PCT/US2014/033930)

[87] (WO2014/172242)

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

[21] **2,909,177**  
[13] A1

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

[25] EN

[54] **DATA CAPTURE AND MANAGEMENT SYSTEM**

[54] **SYSTEME DE CAPTURE ET DE GESTION DE DONNEES**

[72] HERMANSSON, SOFIA, SE

[72] GRANBERG, ANNA, NO

[72] OLOFSSON RANTA, CHRISTER, SE

[71] SCA HYGIENE PRODUCTS AB, SE

[85] 2015-10-08

[86] 2013-04-30 (PCT/EP2013/059037)

[87] (WO2014/177200)

[21] **2,909,178**  
[13] A1

[51] **Int.Cl. A61F 2/02 (2006.01) A61F 2/06 (2013.01) A61L 27/14 (2006.01) A61L 27/58 (2006.01)**

[25] EN

[54] **ORGAN CONSTRUCT AND METHODS OF MANUFACTURE THEREOF**

[54] **STRUCTURE D'ORGANE ET LEURS METHODES DE FABRICATION**

[72] DICKRELL, DANIEL J., III, US

[72] MEADOWS, DAVID, US

[72] CLARK, RICHARD D., III, US

[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US

[85] 2015-10-08

[86] 2014-04-11 (PCT/US2014/033801)

[87] (WO2014/169211)

[30] US (61/810,928) 2013-04-11

[21] **2,909,179**  
[13] A1

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

[25] EN

[54] **A BI-DIRECTIONAL DAMPENING AND ASSISTING UNIT**

[54] **UNITE D'ASSISTANCE ET D'AMORTISSEMENT BIDIRECTIONNEL**

[72] DEHARDE, MARK, US

[71] ULTRAFLEX SYSTEMS, INC., US

[85] 2015-10-09

[86] 2014-04-10 (PCT/US2014/033617)

[87] (WO2014/169099)

[30] US (61/810,412) 2013-04-10

[21] **2,909,180**  
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/153 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID SAMPLING DEVICE**

[54] **DISPOSITIF DE PRELEVEMENT D'UN LIQUIDE BIOLOGIQUE**

[72] FLETCHER, GARY D., US

[72] WILKINSON, BRADLEY M., US

[71] BECTON DICKINSON AND COMPANY, US

[85] 2015-10-08

[86] 2014-04-14 (PCT/US2014/033936)

[87] (WO2014/172245)

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

[21] **2,909,181**  
[13] A1

[51] **Int.Cl. H02K 21/24 (2006.01) H02K 1/14 (2006.01) H02K 1/18 (2006.01)**

[25] EN

[54] **AXIAL FLUX MACHINE HAVING A LIGHTWEIGHT DESIGN**

[54] **MACHINE A FLUX AXIAL LEGERE**

[72] KOHLER, MARCO, DE

[72] PETERMAIER, KORBINIAN, DE

[72] SCHRAMM, MARCO, DE

[71] SIEMENS AKTIENGESELLSCHAFT, DE

[85] 2015-10-09

[86] 2014-04-03 (PCT/EP2014/056712)

[87] (WO2014/166811)

[30] DE (10 2013 206 593.0) 2013-04-12

[21] **2,909,182**  
[13] A1

[51] **Int.Cl. G06F 3/042 (2006.01)**

[25] EN

[54] **VIRTUAL TOUCH SCREEN**

[54] **ECRAN TACTILE VIRTUEL**

[72] KRESL, VOJTA, CZ

[72] ELSBREE, CHRISTOPHER N., US

[72] AGRUSA, RUSSELL L., US

[72] DE BARROS, PAULO GONCALVES, US

[72] ALTMAN, PETR, CZ

[71] ICONICS, INC., US

[85] 2015-10-08

[86] 2014-04-11 (PCT/US2014/033825)

[87] (WO2014/169225)

[30] US (61/811,368) 2013-04-12

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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BLOOD SAMPLING TRANSFER DEVICE**

[54] **DISPOSITIF DE TRANSFERT D'ECHANTILLON DE SANG**

[72] GELFAND, CRAIG A., US  
[72] FLETCHER, GARY D., US  
[72] WILKINSON, BRADLEY M., US  
[71] BECTON DICKINSON AND COMPANY, US

[85] 2015-10-08  
[86] 2014-04-14 (PCT/US2014/033939)  
[87] (WO2014/172247)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,184**  
[13] A1

[51] **Int.Cl. G01F 23/296 (2006.01) B01D 21/24 (2006.01) B01D 21/26 (2006.01) B01D 21/34 (2006.01)**

[25] EN

[54] **SAND SEPARATOR INTERFACE DETECTION**

[54] **DETECTION D'INTERFACE DE SEPARATEUR DE SABLE**

[72] SMITH, STEPHEN DEWHURST, GB  
[72] WHEELER, SIMON P. H., US  
[71] MICRO MOTION, INC., US

[85] 2015-10-08  
[86] 2014-04-15 (PCT/US2014/034164)  
[87] (WO2014/179050)  
[30] US (61/817,104) 2013-04-29

[21] **2,909,185**  
[13] A1

[51] **Int.Cl. A61F 13/42 (2006.01) G01N 27/00 (2006.01) H04L 29/08 (2006.01)**

[25] EN

[54] **EVENT-DRIVEN TRANSITIONS IN ABSORBENT ARTICLE MANAGEMENT**

[54] **TRANSITIONS COMMANDEES PAR UN EVENEMENT DANS LA GESTION D'ARTICLE ABSORBANT**

[72] BERGSTROM, PER, SE  
[72] OLOFSSON RANTA, CHRISTER, SE  
[72] ALSNAS, BJORN, SE  
[72] BOSAEUS, MATTIAS, SE  
[71] SCA HYGIENE PRODUCTS AB, SE

[85] 2015-10-08  
[86] 2013-04-30 (PCT/EP2013/059047)  
[87] (WO2014/177204)

[21] **2,909,186**  
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

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

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

[72] BURKHOLZ, JONATHAN KARL, US  
[72] DAVIS, BRYAN GARRET, US  
[71] BECTON, DICKINSON AND COMPANY, US

[85] 2015-10-08  
[86] 2014-04-14 (PCT/US2014/033920)  
[87] (WO2014/172232)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,187**  
[13] A1

[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01)**

[25] EN

[54] **PERFUSION BIOREACTOR WITH TISSUE FLOW CONTROL AND LIVE IMAGING COMPATIBILITY**

[54] **BIOREACTEUR DE PERFUSION A REGULATION DU DEBIT TISSULAIRE ET COMPATIBLE AVEC L'IMAGERIE EN DIRECT**

[72] VUNJAK-NOVAKOVIC, GORDANA, US  
[72] BHUMIRATANA, SARINDR, US  
[72] YEAGER, KEITH, US  
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US

[85] 2015-10-08  
[86] 2014-04-17 (PCT/US2014/034559)  
[87] (WO2014/172575)  
[30] US (61/813,378) 2013-04-18  
[30] US (61/857,490) 2013-07-23

[21] **2,909,188**  
[13] A1

[51] **Int.Cl. A61B 17/29 (2006.01) A61B 17/34 (2006.01)**

[25] EN

[54] **MINIMALLY INVASIVE SURGICAL DEVICES AND METHODS**

[54] **DISPOSITIFS ET PROCEDES CHIRURGICAUX MINIMALEMENT INVASIFS**

[72] BALDWIN, DALTON DUANE, US  
[71] FACULTY PHYSICIANS AND SURGEONS OF LOMA LINDA UNIVERSITY SCHOOL OF MEDICINE, US

[85] 2015-10-09  
[86] 2014-04-10 (PCT/US2014/033664)  
[87] (WO2014/169132)  
[30] US (61/811,092) 2013-04-11

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[13] A1

[51] **Int.Cl. E21B 43/114 (2006.01) E21B 21/00 (2006.01)**

[25] EN

[54] **ACID SOLUBLE ABRASIVE MATERIAL AND METHOD OF USE**

[54] **MATIERE ABRASIVE SOLUBLE DANS L'ACIDE ET PROCEDE D'UTILISATION**

[72] BRITTON, MARK, US

[72] SCHULTZ, ROGER, US

[71] THRU TUBING SOLUTIONS, INC., US

[85] 2015-10-08

[86] 2014-04-18 (PCT/US2014/034599)

[87] (WO2014/172603)

[30] US (13/865,610) 2013-04-18

[21] **2,909,190**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) A61B 5/15 (2006.01) A61B 5/157 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID SAMPLING TRANSFER DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE TRANSFERT D'ECHANTILLON DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'ANALYSE DE FLUIDE BIOLOGIQUE**

[72] FLETCHER, GARY D., US

[72] GELFAND, CRAIG A., US

[72] MARCHIARULLO, DANIEL J., US

[72] ROTHENBERG, ASHLEY RACHEL, US

[72] WILKINSON, BRADLEY M., US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2015-10-08

[86] 2014-04-14 (PCT/US2014/033929)

[87] (WO2014/172241)

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

[21] **2,909,191**  
[13] A1

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

[25] EN

[54] **IDENTIFICATION OF POINTS IN A USER WEB JOURNEY WHERE THE USER IS MORE LIKELY TO ACCEPT AN OFFER FOR INTERACTIVE ASSISTANCE**

[54] **IDENTIFICATION DE POINTS DANS LE PARCOURS D'UN SITE WEB D'UN UTILISATEUR, L'UTILISATEUR ETANT D'AVANTAGE SUSCEPTIBLE D'ACCEPTER UNE OFFRE D'ASSISTANCE INTERACTIVE**

[72] GHOSE, ABHISHEK, IN

[71] 24/7 CUSTOMER, INC., US

[85] 2015-10-08

[86] 2014-04-18 (PCT/US2014/034602)

[87] (WO2014/172605)

[30] US (61/813,984) 2013-04-19

[30] US (14/247,100) 2014-04-07

[21] **2,909,192**  
[13] A1

[51] **Int.Cl. E21B 7/132 (2006.01) B63B 35/44 (2006.01) E21B 15/02 (2006.01)**

[25] EN

[54] **SERVICE LINE TRANSPORT AND DEPLOYMENT SYSTEM**

[54] **SYSTEME DE TRANSPORT ET DE MISE EN ŒUVRE DE CONDUITE DE BRANCHEMENT**

[72] ORGERON, KEITH J., US

[72] JAMISON, DARRELL D., US

[72] TREVITHICK, MARK W., US

[71] T&T ENGINEERING SERVICES, INC., US

[85] 2015-10-08

[86] 2013-05-24 (PCT/US2013/042751)

[87] (WO2013/177568)

[30] US (61/651,680) 2012-05-25

[30] US (61/651,776) 2012-05-25

[30] US (13/902,593) 2013-05-24

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[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 37/04 (2006.01) C07K 7/06 (2006.01) C07K 16/18 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) G01N 33/53 (2006.01)**

[25] EN

[54] **PRION DISEASE-SPECIFIC EPITOPES AND METHODS OF USE THEREOF**

[54] **EPITOPES SPECIFIQUES D'UNE MALADIE A PRIONS ET LEURS METHODES D'UTILISATION**

[72] MARCINIUK, KRISTEN, CA

[72] TASHCHUK, RYAN, CA

[72] NAPPER, SCOTT, CA

[72] POTTER, ANDREW, CA

[72] CASHMAN, NEIL, CA

[71] UNIVERSITY OF SASKATCHEWAN, CA

[85] 2015-10-09

[86] 2014-04-30 (PCT/CA2014/000392)

[87] (WO2014/176680)

[30] US (61/817,827) 2013-04-30

[30] US (61/899,989) 2013-11-05

[21] **2,909,194**  
[13] A1

[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/09 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 63/672 (2006.01)**

[25] EN

[54] **POLYESTER POLYOLS WITH LONG-CHAIN POLYETHER POLYOL BUILDING BLOCKS AND USE THEREOF IN RIGID PUR/PIR FOAMS**

[54] **POLYESTER POLYOLS A BLOCS DE POLYETHER POLYOLS A CHAINE LONGUE ET LEUR UTILISATION DANS DES MOUSSES DURES DE PUR/PIR**

[72] NEFZGER, HARTMUT, DE

[72] KUENZEL, UWE, DE

[72] BRASSAT, LUTZ, DE

[71] COVESTRO DEUTSCHLAND AG, DE

[85] 2015-10-09

[86] 2014-04-08 (PCT/EP2014/056976)

[87] (WO2014/166898)

[30] EP (13163407.3) 2013-04-11

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[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/543 (2006.01) G01N 33/564 (2006.01)**

[25] EN

[54] **SOLID SUPPORT AND METHOD FOR DETECTING AN ANALYTE IN A SAMPLE**

[54] **SUPPORT SOLIDE ET PROCEDE POUR LA DETECTION D'UN ANALYTE DANS UN ECHANTILLON**

[72] SHI, QINWEI, CA  
[72] XU, JING, CA  
[71] ZBX CORPORATION, CA  
[85] 2015-10-09  
[86] 2013-04-19 (PCT/CA2013/000388)  
[87] (WO2013/155617)  
[30] US (61/636,066) 2012-04-20

[21] **2,909,196**  
[13] A1

[51] **Int.Cl. H04L 5/00 (2006.01) E21B 47/12 (2012.01)**

[25] EN

[54] **USING LTE-A TRANSMITTERS AND CARRIER AGGREGATION IN BOREHOLE COMMUNICATION**

[54] **UTILISATION D'EMETTEURS LTE-A ET AGREGATION DE PORTEUSES EN COMMUNICATION DE TROU DE FORAGE**

[72] JUNGnickel, Volker, DE  
[72] Gutierrez, Miguel, DE  
[72] Kruger, Udo, DE  
[71] Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung E.V., AF  
[85] 2015-10-08  
[86] 2014-04-07 (PCT/EP2014/056921)  
[87] (WO2014/170156)  
[30] EP (13164192.0) 2013-04-17

[21] **2,909,197**  
[13] A1

[51] **Int.Cl. C22F 1/06 (2006.01) C22C 23/00 (2006.01) C22C 23/06 (2006.01)**

[25] EN

[54] **ALUMINUM-FREE MAGNESIUM ALLOY**

[54] **ALLIAGE DE MAGNESIUM EXEMPT D'ALUMINIUM**

[72] Bruhnke, Ulrich, DE  
[72] Anderseck, Ralf, DE  
[71] Bruhnke, Ulrich, DE  
[85] 2015-10-09  
[86] 2014-04-08 (PCT/DE2014/000178)  
[87] (WO2014/166473)  
[30] DE (10 2013 006 169.5) 2013-04-10

[21] **2,909,198**  
[13] A1

[51] **Int.Cl. A01N 33/12 (2006.01) A01N 59/16 (2006.01) A01P 1/00 (2006.01) A61L 2/232 (2006.01) A61L 2/238 (2006.01) C25D 11/18 (2006.01)**

[25] EN

[54] **ANODIZED METAL PRODUCT WITH ANTIMICROBIAL PROPERTIES AND METHOD FOR PRODUCING THE SAME**

[54] **PRODUIT METALLIQUE ANODISE A PROPRIETES ANTIMICROBIENNES ET SON PROCEDE DE PRODUCTION**

[72] Arsenault, Steven, CA  
[72] Cote, Jean-Denis, CA  
[72] Dumont, Maxime, CA  
[72] Gaudet, Daniel, CA  
[72] Lambert, Jocelyn, CA  
[72] Paradis, Francois, CA  
[72] Rivard, Daniel, CA  
[71] 9163-0384 Quebec Inc., CA  
[85] 2015-10-09  
[86] 2013-04-19 (PCT/CA2013/000389)  
[87] (WO2013/155618)  
[30] US (61/636,063) 2012-04-20

[21] **2,909,199**  
[13] A1

[51] **Int.Cl. B21C 37/02 (2006.01) B21C 23/06 (2006.01) B21D 1/00 (2006.01) B21D 26/14 (2006.01) C22C 23/00 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PRODUCING METAL SHEETS FROM STRAND-SHAPED PROFILES**

[54] **PROCEDE ET INSTALLATION POUR LA FABRICATION DE TOLES A PARTIR DE PROFILES CONTINUS**

[72] Bruhnke, Ulrich, DE  
[71] Bruhnke, Ulrich, DE  
[85] 2015-10-09  
[86] 2014-04-08 (PCT/DE2014/000179)  
[87] (WO2014/166474)  
[30] DE (10 2013 006 171.7) 2013-04-10

[21] **2,909,200**  
[13] A1

[51] **Int.Cl. C10L 5/44 (2006.01) C10B 53/02 (2006.01) C10L 9/08 (2006.01)**

[25] EN

[54] **PROCESS FOR PREPARING TORREFIED BIOMASS MATERIAL USING A COMBUSTIBLE LIQUID**

[54] **PROCEDE DE PREPARATION DE MATIERE DE BIOMASSE TORREFIEE UTILISANT UN LIQUIDE COMBUSTIBLE**

[72] Adams, Paul, CA  
[72] Goodwin, John, CA  
[72] Moon, J. J., CA  
[72] Taylor, Larry Brent, CA  
[72] Wiren, Brent, CA  
[71] Torrefusion Technologies Inc., CA  
[85] 2015-10-09  
[86] 2014-07-17 (PCT/CA2014/050679)  
[87] (WO2015/006871)  
[30] US (61/847,399) 2013-07-17  
[30] US (61/953,519) 2014-03-14

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[13] A1

[51] **Int.Cl. C02F 1/48 (2006.01) B01J 19/08 (2006.01) C10G 32/02 (2006.01)**  
[25] EN  
[54] **A METHOD AND APPARATUS FOR MAGNETIC/ELECTROSTATIC/ELECTROMAGNETIC TREATMENT OF FLUIDS COMPRISING THREE PHASES: THE TREATMENT PHASE, THE MIXING PHASE, AND THE USAGE PHASE WHICH ARE SPATIALLY AND TEMPORALLY DECOUPLED**  
[54] **PROCEDE ET APPAREIL POUR UN TRAITEMENT MAGNETIQUE/ELECTROSTATIQUE/ELECTROMAGNETIQUE DE FLUIDES COMPRENANT TROIS PHASES : LA PHASE DE TRAITEMENT, LA PHASE DE MELANGE, ET LA PHASE D'UTILISATION QUI SONT SPATIALEMENT ET TEMPORELLEMENT DECOUPLEES**  
[72] ABO-HAMMOUR, ZAER, JO  
[71] PROFESSIONALS FOR ENERGY - ENVIRONMENT AND WATER SOLUTIONS LTD. CO., JO  
[85] 2015-10-08  
[86] 2014-04-07 (PCT/EP2014/056934)  
[87] (WO2014/173672)  
[30] US (61/809,650) 2013-04-08

[21] **2,909,202**  
[13] A1

[51] **Int.Cl. C22C 23/00 (2006.01) C22C 23/06 (2006.01)**  
[25] EN  
[54] **ALUMINUM-FREE MAGNESIUM ALLOY**  
[54] **ALLIAGE DE MAGNESIUM SANS ALUMINIUM**  
[72] BRUHNKE, ULRICH, DE  
[72] ANDERSECK, RALF, DE  
[72] LINDNER, KARL-HEINZ, DE  
[71] BRUHNKE, ULRICH, DE  
[85] 2015-10-09  
[86] 2014-04-08 (PCT/DE2014/000180)  
[87] (WO2014/166475)  
[30] DE (10 2013 006 170.9) 2013-04-10

[21] **2,909,203**  
[13] A1

[51] **Int.Cl. C22B 11/00 (2006.01)**  
[25] EN  
[54] **COMPOUNDS AND METHODS TO ISOLATE GOLD**  
[54] **COMPOSES ET PROCEDES POUR ISOLER DE L'OR**  
[72] STODDART, J., FRASER, US  
[72] LIU, ZHICHANG, US  
[72] FRASCONI, MARCONI, US  
[72] CAO, DENNIS, US  
[71] NORTHWESTERN UNIVERSITY, US  
[85] 2015-10-08  
[86] 2014-04-18 (PCT/US2014/034697)  
[87] (WO2014/172667)  
[30] US (61/814,066) 2013-04-19

[21] **2,909,204**  
[13] A1

[51] **Int.Cl. G06Q 20/08 (2012.01) G06Q 20/38 (2012.01) G06Q 20/40 (2012.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR IMPLEMENTING INSTANT PAYMENTS ON MOBILE DEVICES**  
[54] **SYSTEMES ET PROCEDES POUR LA MISE EN ŒUVRE DE PAIEMENTS INSTANTANES SUR DES DISPOSITIFS MOBILES**  
[72] YARBROUGH, JOEL, US  
[72] LEE, HYUNJU, US  
[72] BARRETTO, FRANCISCO C., US  
[71] EBAY INC., US  
[85] 2015-10-08  
[86] 2014-04-25 (PCT/US2014/035559)  
[87] (WO2014/176560)  
[30] US (61/816,629) 2013-04-26  
[30] US (61/829,096) 2013-05-30  
[30] US (14/260,046) 2014-04-23

[21] **2,909,205**  
[13] A1

[51] **Int.Cl. A61K 6/00 (2006.01)**  
[25] EN  
[54] **IMPROVED COMPOSITIONS FOR ENDODONTIC INSTRUMENTS**  
[54] **COMPOSITIONS AMELIOREES POUR INSTRUMENTS ENDODONTIQUES**  
[72] BERGER, TODD, US  
[72] WILKINSON, KEVIN, US  
[72] BARANTZ, ADAM, US  
[72] AMMON, DAN, US  
[72] JIN, XIAOMING, US  
[72] KOLTISKO, BERNARD, US  
[71] DENTSPLY INTERNATIONAL INC., US  
[85] 2015-10-08  
[86] 2014-05-02 (PCT/US2014/036612)  
[87] (WO2014/182570)  
[30] US (61/820,371) 2013-05-07

[21] **2,909,206**  
[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01)**  
[25] EN  
[54] **CAPSULE AND SYSTEM FOR PREPARING BEVERAGES**  
[54] **CAPSULE ET SYSTEME POUR PREPARER DES BOISSONS**  
[72] DOGLIONI MAJER, LUCA, IT  
[71] TUTTOESPRESSO S.R.L., IT  
[85] 2015-10-08  
[86] 2014-04-10 (PCT/IB2014/060624)  
[87] (WO2014/167526)  
[30] IT (MI2013A000568) 2013-04-10

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[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61K 31/519 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **BICYCLIC HETEROCYCLES AS FGFR INHIBITORS**

[54] **HETEROCYCLES BICYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE FGFR**

[72] SUN, LIN, US  
[72] LU, LIANG, US  
[72] YAO, WENQING, US  
[72] ZHUO, JINCONG, US  
[72] WU, LIANGXING, US  
[72] XU, MEIZHONG, US  
[72] QIAN, DING-QUAN, US  
[72] ZHANG, FENGLEI, US  
[72] HE, CHUNHONG, US  
[72] SUN, YAPING, US  
[71] INCYTE CORPORATION, US  
[85] 2015-10-08  
[86] 2014-04-18 (PCT/US2014/034662)  
[87] (WO2014/172644)  
[30] US (61/813,782) 2013-04-19

[21] **2,909,208**  
[13] A1

[51] **Int.Cl. A61K 35/76 (2015.01) A61K 9/14 (2006.01) A61K 31/7088 (2006.01) A61K 38/18 (2006.01) A61K 47/34 (2006.01) A61L 31/08 (2006.01) A61L 31/14 (2006.01) A61P 17/02 (2006.01) C12N 7/01 (2006.01) C12N 11/08 (2006.01) C12N 15/866 (2006.01)**

[25] EN

[54] **THERAPEUTIC VIRAL MICROPARTICLES FOR PROMOTING STENT BIOFUNCTIONALITY AND WOUND HEALING IN VERTEBRATE INDIVIDUALS**

[54] **MICROPARTICULES VIRALES THERAPEUTIQUES POUR FAVORISER UNE BIOFONCTIONNALITE D'ENDOPROTHESE ET UNE CICATRISATION CHEZ DES INDIVIDUS VERTEBRES**

[72] PRAKASH, SATYA, CA  
[72] PAUL, ARGHYA, CA  
[72] SHUM-TIM, DOMINIQUE, CA  
[71] MANGOGEN PHARMA INC., CA  
[85] 2015-10-09  
[86] 2014-04-11 (PCT/CA2014/050369)  
[87] (WO2014/165999)  
[30] US (61/811,203) 2013-04-12

[21] **2,909,209**  
[13] A1

[51] **Int.Cl. C07D 307/32 (2006.01) C07D 307/28 (2006.01) C07D 493/22 (2006.01)**

[25] EN

[54] **3-((2S,5S)-4-METHYLENE-5-(3-OXOPROPYL)TETRAHYDROFUR AN-2-YL)PROPANOL DERIVATIVES, THEIR PREPARATION AND INTERMEDIATES USEFUL THEREOF**

[54] **DERIVES DE 3-((2S,5S)-4-METHYLENE-5-(3-OXOPROPYL)TETRAHYDROFUR AN-2-YL)PROPANOL, LEUR PREPARATION ET INTERMEDIAIRES UTILES CORRESPONDANTS**

[72] SOUZA, FABIO E.S., CA  
[72] BEXRUD, JASON A., CA  
[72] ORPRECIO, RICARDO, CA  
[72] GORIN, BORIS, CA  
[71] ALPHORA RESEARCH INC., CA  
[85] 2015-10-09  
[86] 2014-05-09 (PCT/CA2014/050438)  
[87] (WO2014/183211)  
[30] US (61/823,579) 2013-05-15

[21] **2,909,210**  
[13] A1

[51] **Int.Cl. C12N 9/64 (2006.01) A61K 38/55 (2006.01) A61K 38/56 (2006.01) G01N 33/573 (2006.01)**

[25] EN

[54] **POTENT INHIBITORS OF HUMAN MATRIPTASE DERIVED FROM MCOTI-II VARIANTS**

[54] **PUISSANTS INHIBITEURS DE MATRIPTASE HUMAINE PROVENANT DE VARIANTS DE MCOTI-II**

[72] TOMASZOWSKY, MICHAEL, DE  
[72] WEBER, NIKLAS, DE  
[72] GLOTZBACH, BERNHARD, DE  
[72] KOLMAR, HARALD, DE  
[72] HOCK, BJOERN, DE  
[71] MARCK PATENT GMBH, DE  
[85] 2015-10-09  
[86] 2014-04-08 (PCT/EP2014/000931)  
[87] (WO2014/166623)  
[30] EP (13001869.0) 2013-04-11

[21] **2,909,211**  
[13] A1

[51] **Int.Cl. A23L 1/30 (2006.01) A23L 1/303 (2006.01) A23L 1/305 (2006.01) A61H 1/00 (2006.01) A63B 21/00 (2006.01)**

[25] EN

[54] **USE OF WHEY PROTEIN IN COMBINATION WITH ELECTRICAL MUSCLE STIMULATION**

[54] **UTILISATION DE PROTEINE DU PETIT-LAIT EN COMBINAISON AVEC UNE STIMULATION ELECTRIQUE DE MUSCLE**

[72] ARIGONI, FABRIZIO, JP  
[72] BREUILLE, DENIS, CH  
[72] MORITANI, TOSHIO, JP  
[72] OFFORD CAVIN, ELIZABETH, CH  
[72] VINYES PARES, GERARD, JP  
[71] NESTEC S.A., CH  
[85] 2015-10-05  
[86] 2014-04-14 (PCT/EP2014/057474)  
[87] (WO2014/170245)  
[30] EP (13163687.0) 2013-04-15

[21] **2,909,212**  
[13] A1

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

[25] EN

[54] **MEASUREMENT ELECTRODE ARRANGEMENT**

[54] **SYSTEME D'ELECTRODES DE MESURE**

[72] WARSCHIEWSKE, UDO, DE  
[71] EBS TECHNOLOGIES GMBH, DE  
[85] 2015-10-09  
[86] 2014-03-27 (PCT/EP2014/056158)  
[87] (WO2014/166749)  
[30] DE (10 2013 006 277.2) 2013-04-10  
[30] DE (10 2013 017 950.5) 2013-10-29

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[21] **2,909,213**  
[13] A1

[51] **Int.Cl. C07D 401/06 (2006.01) A01N 43/653 (2006.01) C07D 213/30 (2006.01) C07D 213/50 (2006.01) C07D 405/06 (2006.01)**

[25] EN  
[54] **NOVEL TRIAZOLE DERIVATIVES**  
[54] **NOUVEAUX DERIVES TRIAZOLE**  
[72] SUDAU, ALEXANDER, DE  
[72] HOFFMANN, SEBASTIAN, DE  
[72] DAHMEN, PETER, DE  
[72] WACHENDORFF-NEUMANN, ULRIKE, DE  
[72] BERNIER, DAVID, FR  
[72] LACHAISE, HELENE, FR  
[72] BRUNET, STEPHANE, FR  
[72] VIDAL, JACKY, FR  
[72] GENIX, PIERRE, FR  
[72] COQUERON, PIERRE-YVES, FR  
[72] GEIST, JULIE, FR  
[72] VORS, JEAN-PIERRE, FR  
[72] KENNEL, PHILIPPE, FR  
[72] MILLER, RICARDA, FR  
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE  
[85] 2015-10-09  
[86] 2014-04-09 (PCT/EP2014/057173)  
[87] (WO2014/167009)  
[30] EP (13163593.0) 2013-04-12

[21] **2,909,214**  
[13] A1

[51] **Int.Cl. E04G 21/28 (2006.01) E04G 5/06 (2006.01) E04G 21/24 (2006.01)**

[25] EN  
[54] **TRUSS GIRDER FOR A WEATHER PROTECTION ROOF AS WELL AS WEATHER PROTECTION ROOF WITH SEVERAL TRUSS GIRDERS**  
[54] **POUTRE A TREILLIS POUR UN TOIT DE PROTECTION CONTRE LES INTEMPERIES ET TOIT DE PROTECTION CONTRE LES INTEMPERIES COMPORTANT PLUSIEURS POUTRES A TREILLIS**  
[72] MAIER, MELANIE, DE  
[72] LEDER, CHRISTIAN, DE  
[72] KURTH, JURGEN, DE  
[72] RUCHTI, BERND, DE  
[71] PERI GMBH, DE  
[85] 2015-10-09  
[86] 2014-04-09 (PCT/EP2014/057183)  
[87] (WO2014/167015)  
[30] DE (10 2013 206 583.3) 2013-04-12

[21] **2,909,215**  
[13] A1

[51] **Int.Cl. E04D 3/08 (2006.01) E04B 7/06 (2006.01) E04C 3/04 (2006.01)**

[25] EN  
[54] **ROOF STRUCTURE**  
[54] **STRUCTURE DE TOIT**  
[72] THOMSON, ANDREW, GB  
[71] ULTRAFRAME (UK) LIMITED, GB  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/GB2014/051155)  
[87] (WO2014/167362)  
[30] GB (1306703.8) 2013-04-12

[21] **2,909,217**  
[13] A1

[51] **Int.Cl. C07D 401/06 (2006.01) A01N 43/653 (2006.01) C07D 213/30 (2006.01) C07D 213/50 (2006.01) C07D 405/06 (2006.01)**

[25] EN  
[54] **NOVEL TRIAZOLE DERIVATIVES**  
[54] **NOUVEAUX DERIVES TRIAZOLE**  
[72] HOFFMANN, SEBASTIAN, DE  
[72] SUDAU, ALEXANDER, DE  
[72] DAHMEN, PETER, DE  
[72] WACHENDORFF-NEUMANN, ULRIKE, DE  
[72] BERNIER, DAVID, FR  
[72] BRUNET, STEPHANE, FR  
[72] LACHAISE, HELENE, FR  
[72] VIDAL, JACKY, FR  
[72] GENIX, PIERRE, FR  
[72] COQUERON, PIERRE-YVES, FR  
[72] GEIST, JULIE, FR  
[72] VORS, JEAN-PIERRE, FR  
[72] KENNEL, PHILIPPE, FR  
[72] MILLER, RICARDA, FR  
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE  
[85] 2015-10-09  
[86] 2014-04-09 (PCT/EP2014/057174)  
[87] (WO2014/167010)  
[30] EP (13163595.5) 2013-04-12

[21] **2,909,218**  
[13] A1

[51] **Int.Cl. E04B 1/00 (2006.01)**

[25] EN  
[54] **BALCONY**  
[54] **BALCON**  
[72] HAUGHTON, NICK, GB  
[72] PARSONS, TRISTAN, GB  
[71] SAPPHIRE BALUSTRADES LTD, GB  
[85] 2015-10-09  
[86] 2014-04-22 (PCT/GB2014/051240)  
[87] (WO2014/174269)  
[30] GB (1307195.6) 2013-04-22

[21] **2,909,219**  
[13] A1

[51] **Int.Cl. E05B 27/00 (2006.01) E05B 19/00 (2006.01)**

[25] EN  
[54] **CYLINDER LOCK AND KEY WITH SIDE BAR**  
[54] **SERRURE A CYLINDRE ET CLE POURVUE D'UNE BARRE LATERALE**  
[72] WIDEN, BO, SE  
[71] WINLOC AG, CH  
[85] 2015-10-08  
[86] 2014-05-15 (PCT/SE2014/050594)  
[87] (WO2014/189438)  
[30] US (13/899,973) 2013-05-22

[21] **2,909,220**  
[13] A1

[51] **Int.Cl. E21B 33/122 (2006.01) E21B 19/24 (2006.01)**

[25] EN  
[54] **SWELLABLE PACKER WITH REINFORCEMENT AND ANTI-EXTRUSION FEATURES**  
[54] **PACKER GONFLANT COMPORTANT DES ELEMENTS DE RENFORT ET ANTI-EXTRUSION**  
[72] ANDERSEN, KRISTIAN, NO  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-08  
[86] 2013-05-09 (PCT/US2013/040244)  
[87] (WO2014/182301)

[21] **2,909,221**  
[13] A1

[51] **Int.Cl. A61K 31/7028 (2006.01) A61P 35/00 (2006.01)**

[25] EN  
[54] **GLA MONOTHERAPY FOR USE IN CANCER TREATMENT**  
[54] **MONOTHERAPIE PAR GLA POUR UNE UTILISATION DANS LE TRAITEMENT DU CANCER**  
[72] PAYA CUENCA, CARLOS V., US  
[72] TER MEULEN, JAN HENRIK, US  
[71] IMMUNE DESIGN CORP., US  
[85] 2015-10-08  
[86] 2014-04-18 (PCT/US2014/034654)  
[87] (WO2014/172637)  
[30] US (61/813,499) 2013-04-18  
[30] US (61/826,311) 2013-05-22  
[30] US (61/834,415) 2013-06-12  
[30] US (61/891,609) 2013-10-16  
[30] US (61/946,317) 2014-02-28



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[21] **2,909,222**  
[13] A1

[51] **Int.Cl. C02F 1/58 (2006.01) B01D 9/02 (2006.01) B01D 61/02 (2006.01) C01F 11/46 (2006.01) C02F 1/44 (2006.01) C02F 5/00 (2006.01) C02F 9/00 (2006.01)**

[25] EN

[54] **WATER TREATMENT PROCESS AND WATER TREATMENT SYSTEM**

[54] **PROCEDE ET SYSTEME DE TRAITEMENT DE L'EAU**

[72] YOSHIYAMA, RYUJI, JP  
[72] OKINO, SUSUMU, JP  
[72] SATOU, JUN, JP  
[72] SAKURAI, HIDEAKI, JP  
[72] SUZUKI, HIDEO, JP  
[72] NAKASHOJI, HIROSHI, JP  
[72] YOSHIOKA, SHIGERU, JP  
[72] UKAI, NOBUYUKI, JP  
[72] EDA, MASAYUKI, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[85] 2015-10-08  
[86] 2013-04-25 (PCT/JP2013/062283)  
[87] (WO2014/174647)

[21] **2,909,223**  
[13] A1

[51] **Int.Cl. A61K 33/38 (2006.01) A61K 9/06 (2006.01) A61K 47/30 (2006.01) A61K 47/34 (2006.01) A61P 17/00 (2006.01) A61P 17/02 (2006.01)**

[25] EN

[54] **ANTIMICROBIAL COMPOSITIONS AND METHODS OF MAKING THE SAME**

[54] **COMPOSITIONS ANTIMICROBIENNES ET LEURS PROCEDES DE FABRICATION**

[72] KARANDIKAR, BHALCHANDRA M., US  
[71] MEDICAL TECHNOLOGY RESEARCH INC., US  
[85] 2015-10-08  
[86] 2014-04-29 (PCT/US2014/035945)  
[87] (WO2014/179353)  
[30] US (61/854,850) 2013-05-02  
[30] US (61/967,002) 2014-03-08

[21] **2,909,224**  
[13] A1

[51] **Int.Cl. C03C 27/12 (2006.01)**

[25] EN

[54] **PRESSURE COMPENSATED INSULATED GLASS UNITS**

[54] **VITRAGES ISOLES COMPENSES EN PRESSION**

[72] PARKER, RONALD M., US  
[72] FRANK, TREVOR, US  
[72] TAYLOR, RYAN, US  
[71] VIEW, INC., US  
[85] 2015-10-09  
[86] 2014-04-11 (PCT/US2014/033870)  
[87] (WO2014/169253)  
[30] US (61/810,994) 2013-04-11

[21] **2,909,226**  
[13] A1

[51] **Int.Cl. C07C 51/42 (2006.01) C07C 59/01 (2006.01)**

[25] EN

[54] **BETA-HYDROXY-BETA-METHYLBUTYRIC ACID PURIFICATION METHOD**

[54] **PROCEDE DE PURIFICATION DE L'ACIDE ?-HYDROXY-?-METHYLBUTYRIQUE**

[72] LONG, LING, CN  
[72] TANG, YONGCHUN, CN  
[71] TSI (CHINA) CO., LTD, CN  
[71] TSI PHARMACEUTICAL (JIANGYIN) CO., LTD, CN  
[85] 2015-10-09  
[86] 2013-12-06 (PCT/CN2013/088762)  
[87] (WO2014/166273)  
[30] CN (201310127262.X) 2013-04-12

[21] **2,909,227**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID TRANSFER DEVICE AND BIOLOGICAL FLUID SAMPLING SYSTEM**

[54] **DISPOSITIF DE TRANSFERT DE FLUIDE BIOLOGIQUE ET SYSTEME DE PRELEVEMENT D'ECHANTILLON DE FLUIDE BIOLOGIQUE**

[72] WILKINSON, BRADLEY M., US  
[72] FLETCHER, GARY D., US  
[72] MARCHIARULLO, DANIEL J., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033921)  
[87] (WO2014/172233)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,228**  
[13] A1

[51] **Int.Cl. B63B 25/16 (2006.01)**

[25] EN

[54] **LNG SHIP**

[54] **METHANIER**

[72] MORIMOTO, NOBUYOSHI, JP  
[71] MORIMOTO, NOBUYOSHI, JP  
[85] 2015-10-08  
[86] 2014-04-07 (PCT/JP2014/060120)  
[87] (WO2014/168124)  
[30] JP (2013-080081) 2013-04-08

[21] **2,909,229**  
[13] A1

[51] **Int.Cl. B01L 3/00 (2006.01) A61B 5/15 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE COLLECTE DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'EXAMEN DE FLUIDE BIOLOGIQUE**

[72] MARCHIARULLO, DANIEL J., US  
[72] ROTHENBERG, ASHLEY RACHEL, US  
[72] WILKINSON, BRADLEY M., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033922)  
[87] (WO2014/172234)  
[30] US (61/811,918) 2013-04-15

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[21] **2,909,230**  
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) C12N 5/071 (2010.01) C12N 5/0735 (2010.01)**

[25] EN

[54] **METHOD FOR INDUCING ALVEOLAR EPITHELIAL PROGENITOR CELLS**

[54] **PROCEDE POUR L'INDUCTION DE CELLULES PROGENITRICES D'EPITHELIUM ALVEOLAIRE**

[72] OSAFUNE, KENJI, JP  
[72] GOTOH, SHIMPEI, JP  
[72] ITO, ISAO, JP  
[72] MISHIMA, MICHIAKI, JP  
[71] KYOTO UNIVERSITY, JP  
[85] 2015-10-08  
[86] 2014-04-14 (PCT/JP2014/061106)  
[87] (WO2014/168264)  
[30] JP (2013-084034) 2013-04-12

[21] **2,909,231**  
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID SEPARATION SYSTEM**

[54] **DISPOSITIF DE PRELEVEMENT DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION DE FLUIDE BIOLOGIQUE**

[72] WILKINSON, BRADLEY M., US  
[72] GELFAND, CRAIG A., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033923)  
[87] (WO2014/172235)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,232**  
[13] A1

[51] **Int.Cl. C22C 38/00 (2006.01) C22C 38/06 (2006.01) C22C 38/60 (2006.01) C21C 7/04 (2006.01) C21C 7/06 (2006.01)**

[25] EN

[54] **LOW-OXYGEN CLEAN STEEL AND LOW-OXYGEN CLEAN STEEL PRODUCT**

[54] **ACIER PURIFIE A FAIBLE TENEUR EN OXYGENE ET PRODUIT EN ACIER PURIFIE A FAIBLE TENEUR EN OXYGENE**

[72] AONO, MICHIMASA, JP  
[72] MIYAMOTO, KENICHIRO, JP  
[72] SUZUKI, MASANOBU, JP  
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2015-10-08  
[86] 2014-04-24 (PCT/JP2014/061551)  
[87] (WO2014/175377)  
[30] JP (2013-091725) 2013-04-24

[21] **2,909,233**  
[13] A1

[51] **Int.Cl. B01L 3/08 (2006.01) A61B 5/15 (2006.01) A61B 5/157 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID SEPARATION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE SEPARATION DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'EXAMEN DE FLUIDE BIOLOGIQUE**

[72] MARCHIARULLO, DANIEL J., US  
[72] WILKINSON, BRADLEY M., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033924)  
[87] (WO2014/172236)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,234**  
[13] A1

[51] **Int.Cl. A61K 35/36 (2015.01) A61K 9/20 (2006.01) A61P 29/00 (2006.01) A61P 37/08 (2006.01) G01N 33/15 (2006.01)**

[25] EN

[54] **EXTRACT AND PREPARATION EXTRAIT, ET PREPARATION COMPRENANT CELUI-CI**

[72] NAKAZAWA, YOSHITAKA, JP  
[72] SHIBAYAMA, YOJI, JP  
[72] NAKAMURA, KO, JP  
[71] NIPPON ZOKI PHARMACEUTICAL CO., LTD., JP  
[85] 2015-10-08  
[86] 2014-04-30 (PCT/JP2014/061959)  
[87] (WO2014/178394)  
[30] JP (2013-095565) 2013-04-30

[21] **2,909,238**  
[13] A1

[51] **Int.Cl. D03D 1/00 (2006.01) D03D 3/04 (2006.01) D06H 5/00 (2006.01) D21F 1/12 (2006.01) D21F 7/10 (2006.01)**

[25] EN

[54] **BINDING STRUCTURE OF INDUSTRIAL FABRIC**

[54] **STRUCTURE D'ASSEMBLAGE D'UN TEXTILE INDUSTRIEL**

[72] USUKI, TSUTOMU, JP  
[72] TAKAHASHI, FUMIHITO, JP  
[71] NIPPON FILCON CO., LTD, JP  
[85] 2015-10-08  
[86] 2014-06-03 (PCT/JP2014/064697)  
[87] (WO2015/011992)  
[30] JP (2013-152184) 2013-07-23

[21] **2,909,240**  
[13] A1

[51] **Int.Cl. B65D 47/34 (2006.01)**

[25] EN

[54] **ONE TURN ACTUATED DURATION SPRAY DISPENSER**

[54] **DISTRIBUTEUR A PULVERISATION ET A DUREE ACTIVEE PAR UN TOUR**

[72] BLAKE, WILLIAM SYDNEY, US  
[71] BLAKE, WILLIAM SYDNEY, US  
[85] 2015-10-08  
[86] 2012-04-11 (PCT/US2012/033129)  
[87] (WO2013/154554)

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[21] **2,909,241**  
[13] A1

[51] **Int.Cl. B65D 47/34 (2006.01)**  
[25] EN  
[54] **ONE TURN ACTUATED DURATION SPRAY PUMP MECHANISM**  
[54] **MECANISME DE POMPE DE PULVERISATION A DUREE ACTIONNEE PAR UN TOUR**  
[72] BLAKE, WILLIAM SYDNEY, US  
[71] BLAKE, WILLIAM SYDNEY, US  
[85] 2015-10-08  
[86] 2012-04-11 (PCT/US2012/033135)  
[87] (WO2013/154555)

[21] **2,909,245**  
[13] A1

[51] **Int.Cl. H04N 13/00 (2006.01) G02B 27/22 (2006.01)**  
[25] EN  
[54] **TWO-DIMENSIONAL VIDEO TO THREE-DIMENSIONAL VIDEO CONVERSION METHOD AND SYSTEM**  
[54] **PROCEDE ET SYSTEME DE CONVERSION DE VIDEO BIDIMENSIONNELLE EN VIDEO TRIDIMENSIONNELLE**  
[72] MALEKI, BEHROOZ A., US  
[72] SARKHOSH, SARVENAZ, US  
[71] BITANIMATE, INC., US  
[85] 2015-10-08  
[86] 2013-04-09 (PCT/US2013/035843)  
[87] (WO2014/168614)

[21] **2,909,246**  
[13] A1

[51] **Int.Cl. A61F 2/00 (2006.01)**  
[25] FR  
[54] **IMPLANTABLE REINFORCEMENT PROSTHESIS, IN PARTICULAR FOR REINFORCING THE ABDOMINAL WALL**  
[54] **PROTHESE IMPLANTABLE DE RENFORT, EN PARTICULIER POUR LE RENFORT DE LA PAROI ABDOMINALE**  
[72] COSSA, JEAN-PIERRE, FR  
[71] BIOM'UP, FR  
[85] 2015-10-07  
[86] 2014-04-11 (PCT/EP2014/057452)  
[87] (WO2014/167131)  
[30] FR (1353277) 2013-04-11

[21] **2,909,247**  
[13] A1

[51] **Int.Cl. E21B 4/04 (2006.01) E21B 3/00 (2006.01)**  
[25] EN  
[54] **POSITIONABLE DOWNHOLE GEAR BOX**  
[54] **MULTIPLICATEUR DE VITESSE DE FOND DE TROU APTE A ETRE POSITIONNE**  
[72] WINSLOW, DANIEL MARTIN, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-08  
[86] 2013-05-10 (PCT/US2013/040544)  
[87] (WO2014/182312)

[21] **2,909,249**  
[13] A1

[51] **Int.Cl. H01M 10/6568 (2014.01) H01M 10/659 (2014.01) H01M 10/625 (2014.01)**  
[25] EN  
[54] **ACTIVE THERMAL MANAGEMENT AND THERMAL RUNAWAY PREVENTION FOR HIGH ENERGY DENSITY LITHIUM ION BATTERY PACKS**  
[54] **GESTION THERMIQUE ACTIVE ET PREVENTION D'UN EMBALLEMENT THERMIQUE POUR BLOC DE BATTERIES AU LITHIUM-ION A HAUTE DENSITE D'ENERGIE**  
[72] KROLAK, MATTHEW J., US  
[71] THE BOEING COMPANY, US  
[85] 2015-10-09  
[86] 2014-03-18 (PCT/US2014/031004)  
[87] (WO2014/186044)  
[30] US (13/893,202) 2013-05-13

[21] **2,909,251**  
[13] A1

[51] **Int.Cl. C01B 33/38 (2006.01) C01D 13/00 (2006.01) C01F 7/00 (2006.01)**  
[25] EN  
[54] **SYNTHETIC MEGAKALSILITE VIA HYDROTHERMAL PREPARATION**  
[54] **MEGAKALSILITE SYNTHETIQUE PAR L'INTERMEDIAIRE D'UNE PREPARATION HYDROTHERMIQUE**  
[72] MCGUIRE, MEAGHAN CLARK, US  
[72] BULL, IVOR, US  
[72] JOHNSON, GEOFFREY MARK, US  
[71] BASF SE, DE  
[85] 2015-09-09  
[86] 2014-03-11 (PCT/US2014/023040)  
[87] (WO2014/164629)  
[30] US (61/776,203) 2013-03-11

[21] **2,909,254**  
[13] A1

[51] **Int.Cl. A61M 5/24 (2006.01)**  
[25] EN  
[54] **DRUG ADMINISTERING DEVICE AND ASSEMBLY METHOD THEREFORE**  
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ET SON PROCEDE D'ASSEMBLAGE**  
[72] NOWAK, RACHAEL, GB  
[71] BRITANNIA PHARMACEUTICALS LTD., GB  
[85] 2015-10-07  
[86] 2014-04-25 (PCT/EP2014/001107)  
[87] (WO2014/177260)  
[30] DE (10 2013 007 389.8) 2013-04-30

[21] **2,909,261**  
[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR FULFILLING ORDERS**  
[54] **PROCEDES ET SYSTEMES D'EXECUTION DE COMMANDES**  
[72] LEIGO, ROBERT, AU  
[71] LEIGO NFC HOLDINGS PTY LTD, AU  
[85] 2015-10-08  
[86] 2013-04-09 (PCT/AU2013/000363)  
[87] (WO2013/152388)  
[30] AU (2012901387) 2012-04-10

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[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID SAMPLING TRANSFER DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE TRANSFERT D'UN PRELEVEMENT DE LIQUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'ANALYSE D'UN LIQUIDE BIOLOGIQUE**

[72] FLETCHER, GARY D., US  
[72] GELFAND, CRAIG A., US  
[72] MARCHIARULLO, DANIEL J., US  
[72] NEWBY, C. MARK, US  
[72] ROTHENBERG, ASHLEY RACHEL, US

[71] BECTON, DICKINSON AND COMPANY, US

[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033938)  
[87] (WO2014/172246)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,264**  
[13] A1

[51] **Int.Cl. A63B 21/02 (2006.01) A63B 21/055 (2006.01) A63B 21/06 (2006.01) A63B 23/12 (2006.01)**

[25] EN

[54] **EXERCISE DEVICE**

[54] **DISPOSITIF D'EXERCICE**

[72] MAYFIELD, WALTER G., US

[71] GUI GLOBAL PRODUCTS, LTD., US

[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/034006)  
[87] (WO2014/172278)  
[30] US (61/813,486) 2013-04-18

[21] **2,909,267**  
[13] A1

[51] **Int.Cl. A61K 35/545 (2015.01) A01N 1/02 (2006.01)**

[25] EN

[54] **IMPROVING ORGANS FOR TRANSPLANTATION**

[54] **AMELIORATION D'ORGANES POUR UNE TRANSPLANTATION**

[72] LAFRANCESCA, SAVERIO, US  
[72] DEANS, ROBERT J., US  
[72] TING, ANTHONY P., US

[71] LAFRANCESCA, SAVERIO, US  
[71] DEANS, ROBERT J., US  
[71] TING, ANTHONY P., US

[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/034015)  
[87] (WO2014/169277)  
[30] US (61/811,525) 2013-04-12

[21] **2,909,268**  
[13] A1

[51] **Int.Cl. A01B 63/114 (2006.01) A01C 5/06 (2006.01)**

[25] EN

[54] **PLANTING ASSEMBLY AND MACHINE**

[54] **ENSEMBLE ET MACHINE DE PLANTATION**

[72] TOBIN, NOEL, AU  
[72] MOYNIHAN, JOSEPH, AU

[71] THE GUSSET PTY LTD, AU

[85] 2015-10-09  
[86] 2014-03-28 (PCT/AU2014/000338)  
[87] (WO2014/165897)  
[30] AU (2013901238) 2013-04-11

[21] **2,909,270**  
[13] A1

[51] **Int.Cl. C07H 19/067 (2006.01) A61K 31/7072 (2006.01) A61P 31/14 (2006.01) C07B 59/00 (2006.01)**

[25] EN

[54] **HIGHLY ACTIVE NUCLEOSIDE DERIVATIVE FOR THE TREATMENT OF HCV**

[54] **DERIVE DE NUCLEOSIDE D'ACTIVITE ELEVEE POUR LE TRAITEMENT DU VHC**

[72] DESHPANDE, MILIND, US  
[72] WILES, JASON ALLAN, US  
[72] HASHIMOTO, AKIHIRO, US  
[72] PHADKE, AVINASH, US

[71] ACHILLION PHARMACEUTICALS, INC., US

[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/034018)  
[87] (WO2014/169278)  
[30] US (61/811,464) 2013-04-12

[21] **2,909,271**  
[13] A1

[51] **Int.Cl. C01D 3/06 (2006.01) C01D 3/04 (2006.01)**

[25] EN

[54] **PROCESS FOR PRECIPITATION OF CARNALLITE FROM AQUEOUS SOLUTIONS**

[54] **PROCEDE DE PRECIPITATION DE CARNALLITE A PARTIR DE SOLUTIONS AQUEUSES**

[72] RHAMIM, SHAI, IL

[71] DEAD SEA WORKS LTD., IL

[85] 2015-10-09  
[86] 2014-03-13 (PCT/IL2014/050278)  
[87] (WO2014/141275)  
[30] US (61/784,140) 2013-03-14

[21] **2,909,273**  
[13] A1

[51] **Int.Cl. C07H 19/067 (2006.01) A61K 31/7072 (2006.01) A61P 31/14 (2006.01) C07B 59/00 (2006.01)**

[25] EN

[54] **DEUTERATED NUCLEOSIDE PRODRUGS USEFUL FOR TREATING HCV**

[54] **PROMEDICAMENTS DE NUCLEOSIDE DEUTERISE UTILISES POUR TRAITER L'HEPATITE C**

[72] DESHPANDE, MILIND, US  
[72] WILES, JASON ALLAN, US  
[72] HASHIMOTO, AKIHIRO, US  
[72] PHADKE, AVINASH, US

[71] ACHILLION PHARMACEUTICALS, INC., US

[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/034021)  
[87] (WO2014/169280)  
[30] US (61/811,464) 2013-04-12

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[51] **Int.Cl. B63B 22/00 (2006.01) B63B 22/18 (2006.01) G01C 21/20 (2006.01) G08B 25/10 (2006.01)**

[25] EN  
[54] **TRACKING BUOY**  
[54] **BOUEE DE REPERAGE**

[72] HUNT, BENJAMIN NATHAN, AU  
[72] ZED, MATHEW, AU  
[72] MELLOR, PETER, AU  
[72] RYAN, DAVID, AU  
[72] SHAKESPEARE, JESSE, AU  
[72] HUNT, KLOE, AU  
[71] WORLEYPARSONS SERVICES PTY LTD, AU

[85] 2015-10-09  
[86] 2014-04-11 (PCT/AU2014/000407)  
[87] (WO2014/165927)  
[30] AU (2013204076) 2013-04-11

[21] **2,909,276**  
[13] A1

[51] **Int.Cl. C07K 14/435 (2006.01) A61K 48/00 (2006.01) C12N 1/00 (2006.01)**

[25] EN  
[54] **MITOCHONDRIAL PROTEINS CONSTRUCTS AND USES THEREOF**  
[54] **CONSTRUCTIONS DE PROTEINES MITOCHONDRIALES ET LEURS UTILISATIONS**

[72] LORBERBOUM-GALSKI, HAYA, IL  
[72] GREIF, HAGAR, IL  
[71] BIO BLAST PHARMA LTD., IL

[85] 2015-10-09  
[86] 2014-04-10 (PCT/IL2014/050354)  
[87] (WO2014/170896)  
[30] US (61/811,934) 2013-04-15  
[30] US (61/869,981) 2013-08-26  
[30] US (14/034,224) 2013-09-23

[21] **2,909,278**  
[13] A1

[51] **Int.Cl. H04W 4/02 (2009.01) G06Q 40/04 (2012.01) G08B 21/18 (2006.01)**

[25] EN  
[54] **PASSIVE CHECK-IN**  
[54] **CONTROLE PASSIF**

[72] CHEUNG, DENNIS, US  
[72] COX, GREG ALAN, US  
[72] YANG, ZHENYIN, US  
[72] YOUNG, DAWNRAY, US  
[72] VADDI, VISWA, US  
[72] DAVIS, TODD, US  
[72] JAIN, CHINTAN, US  
[72] SHEA, ANDREW, US  
[72] CHINNAKONDA, RAJ, US  
[71] PAYPAL, INC., US

[85] 2015-10-09  
[86] 2014-04-15 (PCT/US2014/034242)  
[87] (WO2014/172388)  
[30] US (61/812,175) 2013-04-15  
[30] US (14/097,063) 2013-12-04

[21] **2,909,280**  
[13] A1

[51] **Int.Cl. C07D 311/24 (2006.01) A61K 31/4523 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN  
[54] **NOVEL CHROMONE ALKALOID DYSOLINE FOR THE TREATMENT OF CANCER AND INFLAMMATORY DISORDERS**  
[54] **NOUVEL ALCALOIDE CHROMONE DYSOLINE POUR LE TRAITEMENT DU CANCER ET DE TROUBLES INFLAMMATOIRES**

[72] VISHWAKARMA, RAM ASREY, IN  
[72] JAIN, SHREYANS KUMAR, IN  
[72] BHARATE, SANDIP BIBISHAN, IN  
[72] DAR, ABID HAMID, IN  
[72] KHAJURIA, ANAMIKA, IN  
[72] MEENA, SAMDARSHI, IN  
[72] BHOLA, SUNIL KUMAR, IN  
[72] QAZI, ASIF KHURSHID, IN  
[72] HUSSAIN, AASHIQ, IN  
[72] SIDIQ, TABASUM, IN  
[72] UMA, SHAANKER RAMANAN, IN  
[72] RAVIKANTH, GUDASALAMANI, IN  
[72] VASUDEVA, RAMESH, IN  
[72] MOHANA, KUMARA PATEL, IN  
[72] GANESHAIAH, KOTIGANAHALLI NARAYANAGOWDA, IN  
[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN

[85] 2015-10-09  
[86] 2014-03-31 (PCT/IN2014/000201)  
[87] (WO2014/167580)  
[30] IN (1077/DEL/2013) 2013-04-10

[21] **2,909,281**  
[13] A1

[51] **Int.Cl. E21C 35/00 (2006.01)**

[25] EN  
[54] **ANTI-DAMAGE DRIVING PART DEVICE**  
[54] **APPAREIL A COMPOSANTE D'ENTRAINEMENT ANTI-DOMMAGE**

[72] LIU, SUHUA, CN  
[71] LIU, SUHUA, CN

[85] 2015-10-09  
[86] 2014-04-11 (PCT/CN2014/000388)  
[87] (WO2014/166302)  
[30] CN (201310158412.3) 2013-04-12  
[30] CN (201310158415.7) 2013-04-12  
[30] CN (201310181072.6) 2013-05-10  
[30] CN (201310181239.9) 2013-05-10  
[30] CN (201310180610.X) 2013-05-10  
[30] CN (201310508806.7) 2013-10-25  
[30] CN (201410042608.0) 2014-01-29

[21] **2,909,282**  
[13] A1

[51] **Int.Cl. H04W 12/08 (2009.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01)**

[25] EN  
[54] **SYSTEM AND METHOD FOR MOBILE SINGLE SIGN-ON INTEGRATION**  
[54] **SYSTEME ET PROCEDE POUR L'INTEGRATION D'OVERTURES DE SESSIONS UNIQUES MOBILES**

[72] HYLAND, JONATHAN, IE  
[72] FITZPATRICK, EDDIE, IE  
[71] GLOBOFORCE LIMITED, US

[85] 2015-10-09  
[86] 2013-05-09 (PCT/US2013/040376)  
[87] (WO2014/168638)  
[30] US (13/861,878) 2013-04-12

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[21] **2,909,283**  
[13] A1

[51] **Int.Cl. A01N 37/44 (2006.01)**  
[25] EN  
[54] **ANTIMICROBIAL COMPOSITIONS OF AMINOGLYCOSIDIC ANTIBIOTICS AND ZINC ION CHELATORS**  
[54] **COMPOSITIONS ANTIMICROBIENNES D'ANTIBIOTIQUES AMINOGLYCOSIDIQUES ET DE CHELATEURS D'IONS ZINC**  
[72] HERR, ANDREW B., US  
[72] YOUNG, GARY, US  
[71] UNIVERSITY OF CINCINNATI, US  
[85] 2015-10-09  
[86] 2014-04-16 (PCT/US2014/034320)  
[87] (WO2014/172435)  
[30] US (61/812,701) 2013-04-16

[21] **2,909,284**  
[13] A1

[51] **Int.Cl. H01M 8/04 (2006.01) H01M 8/00 (2006.01) H01M 8/10 (2006.01)**  
[25] EN  
[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**  
[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE PERMETTANT DE COMMANDER UN SYSTEME DE PILE A COMBUSTIBLE**  
[72] HOSHI, KIYOSHI, JP  
[71] NISSAN MOTOR CO., LTD., JP  
[85] 2015-10-09  
[86] 2014-03-27 (PCT/JP2014/058953)  
[87] (WO2014/171291)  
[30] JP (2013-085941) 2013-04-16

[21] **2,909,286**  
[13] A1

[51] **Int.Cl. G01V 1/36 (2006.01) G01V 1/34 (2006.01)**  
[25] EN  
[54] **STRATIGRAPHIC SEISMIC TRACES TO INTERPRET GEOLOGICAL FAULTS**  
[54] **TRACES SISMIQUES STRATIGRAPHIQUES POUR INTERPRETER DES FAILLES GEOLOGIQUES**  
[72] RUTTEN, KEES W., NL  
[71] LANDMARK GRAPHICS CORPORATION, US  
[85] 2015-10-09  
[86] 2013-05-15 (PCT/US2013/041112)  
[87] (WO2014/185898)

[21] **2,909,288**  
[13] A1

[51] **Int.Cl. E21B 7/04 (2006.01) E21B 7/08 (2006.01)**  
[25] EN  
[54] **STEERING TOOL WITH ECCENTRIC SLEEVE AND METHOD OF USE**  
[54] **OUTIL DE PILOTAGE A MANCHON EXCENTRIQUE ET SON PROCEDE D'UTILISATION**  
[72] DIAZ, EXCELINO, CA  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-09  
[86] 2013-05-09 (PCT/US2013/040254)  
[87] (WO2014/182303)

[21] **2,909,290**  
[13] A1

[51] **Int.Cl. A61K 31/497 (2006.01) A61K 31/496 (2006.01) A61P 3/00 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **TREATMENT AND PROGNOSTIC MONITORING OF PROLIFERATION DISORDERS USING HEDGEHOG PATHWAY INHIBITORS**  
[54] **TRAITEMENT ET SUIVI DU PRONOSTIC DES TROUBLES DE PROLIFERATION A L'AIDE D'INHIBITEURS DE LA VOIE HEDGEHOG**  
[72] VIRCA, NICHOLAS J., US  
[72] O'DONNELL, FRANCIS E. JR., US  
[71] MAYNE PHARMA INTERNATIONAL PTY LTD, AU  
[85] 2015-10-09  
[86] 2014-04-16 (PCT/US2014/034359)  
[87] (WO2014/172456)  
[30] US (61/813,122) 2013-04-17  
[30] US (61/831,823) 2013-06-06  
[30] US (14/173,588) 2014-02-05

[21] **2,909,291**  
[13] A1

[51] **Int.Cl. B63B 25/16 (2006.01) B63B 11/00 (2006.01)**  
[25] EN  
[54] **LNG SHIP OR LPG SHIP**  
[54] **METHANIER OU TRANSPORTEUR DE GAZ GPL**  
[72] MORIMOTO, NOBUYOSHI, JP  
[71] MORIMOTO, NOBUYOSHI, JP  
[85] 2015-10-09  
[86] 2014-04-10 (PCT/JP2014/060402)  
[87] (WO2014/168204)  
[30] JP (2013-083825) 2013-04-12  
[30] JP (2014-080921) 2014-04-10

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[51] <b>Int.Cl. G05B 13/04 (2006.01)</b> [25] EN [54] <b>METHODS AND SYSTEMS FOR RESERVOIR HISTORY MATCHING FOR IMPROVED ESTIMATION OF RESERVOIR PERFORMANCE</b> [54] <b>PROCEDES ET SYSTEMES PERMETTANT DE METTRE EN CORRESPONDANCE UN HISTORIQUE DE RESERVOIR POUR UNE MEILLEURE EVALUATION DES PERFORMANCES DE RESERVOIR</b> [72] SINGH, AJAY PRATAP, US [72] NIKOLAOU, MICHAEL, US [72] SAPUTELLI, LUIGI, US [72] MAUCEC, MARKO, US [71] HALLIBURTON ENERGY SERVICES, INC., US [85] 2015-10-09 [86] 2013-05-24 (PCT/US2013/042711) [87] (WO2014/189523)	[51] <b>Int.Cl. G06T 17/05 (2011.01)</b> [25] EN [54] <b>BASIN-TO-RESERVOIR MODELING</b> [54] <b>MODELISATION DE BASSIN A RESERVOIR</b> [72] CARRUTHERS, DANIEL JAMES, CA [72] YARUS, JEFFREY MARC, US [71] LANDMARK GRAPHICS CORPORATION, US [85] 2015-10-09 [86] 2013-10-15 (PCT/US2013/065063) [87] (WO2014/185950) [30] US (61/823,607) 2013-05-15	[51] <b>Int.Cl. C23C 28/00 (2006.01) B32B 15/01 (2006.01) C22C 21/00 (2006.01) C23C 2/12 (2006.01) C23C 2/28 (2006.01) C22C 38/00 (2006.01)</b> [25] EN [54] <b>AL-BASED ALLOY PLATED STEEL MATERIAL HAVING EXCELLENT POST-COATING CORROSION RESISTANCE</b> [54] <b>ACIER PLAQUE D'ALLIAGE D'AL DOTE D'EXCELLENTE PROPRIETES ANTICORROSION APRES APPLICATION</b> [72] YAMANAKA, SHINTARO, JP [72] MAKI, JUN, JP [72] KUROSAKI, MASAO, JP [71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP [85] 2015-10-09 [86] 2014-04-17 (PCT/JP2014/060910) [87] (WO2014/181653) [30] JP (2013-097550) 2013-05-07
[21] <b>2,909,294</b> [13] A1	[21] <b>2,909,297</b> [13] A1	
[51] <b>Int.Cl. C04B 20/00 (2006.01) C04B 16/08 (2006.01)</b> [25] EN [54] <b>SURFACTANT COMPOSITION FOR USE IN GYPSUM WALLBOARD MANUFACTURE</b> [54] <b>COMPOSITION DE TENSIOACTIF DESTINEE A UNE UTILISATION DANS LA FABRICATION DE PANNEAUX MURAUX EN GYPSE</b> [72] MUNIE, LAWRENCE, US [72] KALTENBACH, JARROD, US [72] BEDDAOUI, MARY, US [72] MIROUS, BRIAN K., US [71] STEPAN COMPANY, US [85] 2015-10-09 [86] 2014-04-16 (PCT/US2014/034385) [87] (WO2014/172469) [30] US (61/813,044) 2013-04-17	[51] <b>Int.Cl. G01N 15/00 (2006.01) B82Y 35/00 (2011.01) B82Y 40/00 (2011.01) B23P 11/00 (2006.01) C12Q 1/06 (2006.01) G01N 15/10 (2006.01)</b> [25] EN [54] <b>CONTROLLING NANOBUBBLE AND NANOPARTICLE DYNAMICS IN CONICAL NANOPORES</b> [54] <b>CONTROLE DE LA DYNAMIQUE DE NANOBULLES ET DE NANOPARTICULES DANS DES NANOPORES CONIQUES</b> [72] GERMAN, SEAN R., US [72] MEGA, TONY L., US [71] REVALESIO CORPORATION, US [85] 2015-10-09 [86] 2014-04-17 (PCT/US2014/034558) [87] (WO2014/172574) [30] US (61/812,791) 2013-04-17	
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	[51] <b>Int.Cl. H04W 72/08 (2009.01)</b> [25] EN [54] <b>SELECTING AN UPLINK-DOWNLINK CONFIGURATION FOR A CLUSTER OF CELLS</b> [54] <b>SELECTION D'UNE CONFIGURATION DE LIAISON MONTANTE-LIAISON DESCENDANTE POUR UN GROUPE DE CELLULES</b> [72] WANG, YIPING, US [72] SONG, YI, US [72] LI, JUN, US [71] BLACKBERRY LIMITED, CA [85] 2015-10-09 [86] 2014-03-25 (PCT/US2014/031709) [87] (WO2014/168753) [30] US (13/861,522) 2013-04-12	

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[13] A1

[51] **Int.Cl. D01F 6/46 (2006.01) D01D 5/08 (2006.01) D01D 5/12 (2006.01) D01F 1/10 (2006.01) D01F 6/90 (2006.01) D01F 6/92 (2006.01)**

[25] EN

[54] **POLYMER/FILLER/METAL COMPOSITE FIBER AND PREPARATION PROCESS THEREOF**

[54] **FIBRE COMPOSITE POLYMER/CHARGE/METAL ET PROCEDE DE PREPARATION ASSOCIE**

[72] QIAO, JINLIANG, CN  
[72] ZHU, YILEI, CN  
[72] ZHANG, XIAOHONG, CN  
[72] WANG, LIANGSHI, CN  
[72] CAI, CHUANLUN, CN  
[72] QI, GUICUN, CN  
[72] ZHANG, HONGBIN, CN  
[72] SONG, ZHIHAI, CN  
[72] LAI, JINMEI, CN  
[72] LI, BINGHAI, CN  
[72] WANG, YA, CN  
[72] WANG, XIANG, CN  
[72] GAO, JIANMING, CN  
[72] CHEN, GANG, CN  
[72] JIANG, HAIBIN, CN  
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN  
[71] BEIJING RESEARCH INSTITUTE OF CHEMICAL INDUSTRY, CHINA PETROLEUM & CHEMICAL CORPORATION, CN

[85] 2015-10-09  
[86] 2014-04-11 (PCT/CN2014/075168)  
[87] (WO2014/166420)  
[30] CN (201310127922.4) 2013-04-12  
[30] CN (201310128100.8) 2013-04-12  
[30] CN (201310128099.9) 2013-04-12  
[30] CN (201310127994.9) 2013-04-12  
[30] CN (201310128266.X) 2013-04-12

[21] **2,909,302**  
[13] A1

[51] **Int.Cl. A61K 31/047 (2006.01) A61K 31/165 (2006.01) A61K 31/4168 (2006.01)**

[25] EN

[54] **TREATMENT OF AUTISTIC SPECTRUM DISORDER**

[54] **TRAITEMENT D'UN TROUBLE DU SPECTRE DE L'AUTISME (ASD)**

[72] PRICE, RICHARD LOUIS, US  
[71] PRICE, RICHARD LOUIS, US

[85] 2015-10-09  
[86] 2014-04-04 (PCT/US2014/032933)  
[87] (WO2014/168820)  
[30] US (13/860,824) 2013-04-11  
[30] US (14/166,483) 2014-01-28

[21] **2,909,303**  
[13] A1

[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/16 (2006.01) A61K 47/10 (2006.01) A61K 47/30 (2006.01)**

[25] EN

[54] **SUSTAINED RELEASE MICROSPHERES AND METHOD OF PRODUCING THE SAME**

[54] **MICROSPHERES A LIBERATION PROLONGEE ET LEUR PROCEDE DE FABRICATION**

[72] RICHEY, TRACY, US  
[72] THANOO, BAGAVATHIKANUN CHITHAMBARA, US  
[71] OAKWOOD LABORATORIES, US  
[71] RICHEY, TRACY, US  
[71] THANOO, BAGAVATHIKANUN CHITHAMBARA, US

[85] 2015-09-04  
[86] 2014-03-14 (PCT/US2014/028657)  
[87] (WO2014/144309)  
[30] US (61/790,554) 2013-03-15

[21] **2,909,304**  
[13] A1

[51] **Int.Cl. A43B 7/00 (2006.01) A43B 3/00 (2006.01) A43B 13/28 (2006.01) A43B 13/38 (2006.01)**

[25] EN

[54] **VIBRATING SHOES**

[54] **CHAUSSURES VIBRANTES**

[72] KOENIG, RICHARD DONALD, US  
[71] GOOD VIBRATIONS SHOES INC., US

[85] 2015-10-09  
[86] 2014-04-10 (PCT/US2014/033696)  
[87] (WO2014/169151)  
[30] US (61/810,394) 2013-04-10  
[30] US (14/250,319) 2014-04-10

[21] **2,909,305**  
[13] A1

[51] **Int.Cl. H03M 13/19 (2006.01) H03M 13/25 (2006.01) H03M 13/27 (2006.01) H04L 1/00 (2006.01)**

[25] EN

[54] **DATA PROCESSING DEVICE AND DATA PROCESSING METHOD**

[54] **DISPOSITIF AINSI QUE PROCEDE DE TRAITEMENT DE DONNEES**

[72] SHINOHARA, YUJI, JP  
[72] MUHAMMAD, NABIL SVEN LOGHIN, JP  
[72] MICHAEL, LACHLAN, JP  
[72] HIRAYAMA, YUICHI, JP  
[72] YAMAMOTO, MAKIKO, JP  
[71] SONY CORPORATION, JP

[85] 2015-10-09  
[86] 2014-04-21 (PCT/JP2014/061153)  
[87] (WO2014/178297)  
[30] JP (2013-096993) 2013-05-02

[21] **2,909,306**  
[13] A1

[51] **Int.Cl. H01H 9/32 (2006.01) H01H 1/12 (2006.01) H01H 19/00 (2006.01)**

[25] EN

[54] **ELECTRIC SWITCH ASSEMBLY**

[54] **ENSEMBLE COMMUTATEUR ELECTRIQUE**

[72] VALIVAINIO, MIKKO, FI  
[72] SOLDAN, JUHA, FI  
[72] ELOMAA, JARI, FI  
[71] ABB OY, FI

[85] 2015-10-09  
[86] 2013-04-15 (PCT/FI2013/050411)  
[87] (WO2014/170528)

[21] **2,909,307**  
[13] A1

[51] **Int.Cl. C12G 3/00 (2006.01) A23L 1/054 (2006.01) A23L 1/0562 (2006.01) C12G 3/04 (2006.01)**

[25] EN

[54] **THERMOREVERSIBLE GELATINIZED ALCOHOL-CONTAINING PRODUCT**

[54] **PRODUIT CONTENANT DE L'ALCOOL GELATINISE THERMOREVERSIBLE**

[72] JONES, KATHY, CA  
[72] CROWDER, LISA, CA  
[72] DOYLE, DAVID, CA  
[71] PERNOD RICARD, FR

[85] 2015-10-09  
[86] 2013-02-18 (PCT/EP2013/053183)  
[87] (WO2013/167291)  
[30] EP (12166970.9) 2012-05-07



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[21] **2,909,308**  
[13] A1

[51] **Int.Cl. H03M 13/19 (2006.01) H04L 27/00 (2006.01) H04L 27/34 (2006.01)**

[25] EN

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

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

[72] MUHAMMAD, NABIL SVEN LOGHIN, JP

[72] SHINOHARA, YUJI, JP

[72] MICHAEL, LACHLAN, JP

[72] HIRAYAMA, YUICHI, JP

[72] YAMAMOTO, MAKIKO, JP

[71] SONY CORPORATION, JP

[85] 2015-10-09

[86] 2014-04-21 (PCT/JP2014/061154)

[87] (WO2014/178298)

[30] JP (2013-096994) 2013-05-02

[21] **2,909,309**  
[13] A1

[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/103 (2014.01) H04N 19/51 (2014.01) H04N 13/00 (2006.01)**

[25] EN

[54] **HARMONIZED INTER-VIEW AND VIEW SYNTHESIS PREDICTION FOR 3D VIDEO CODING**

[54] **PREDICTION HARMONISEE DE VUES INTERMEDIAIRES ET DE SYNTHESSES DE VUES POUR UN CODAGE VIDEO 3D**

[72] RUSANOVSKYY, DMYTRO, FI

[72] HANNUKSELA, MISKA, FI

[71] NOKIA TECHNOLOGIES OY, FI

[85] 2015-10-09

[86] 2014-04-08 (PCT/FI2014/050249)

[87] (WO2014/167179)

[30] US (61/811,240) 2013-04-12

[21] **2,909,310**  
[13] A1

[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 239/94 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 403/04 (2006.01) C07D 409/14 (2006.01) C07D 471/04 (2006.01) C07D 519/00 (2006.01)**

[25] EN

[54] **QUINAZOLINES AND AZAQUINAZOLINES AS DUAL INHIBITORS OF RAS/RAF/MEK/ERK AND PI3K/AKT/P TEN/MTOR PATHWAYS**

[54] **QUINAZOLINES ET AZAQUINAZOLINES EN TANT QUE DOUBLES INHIBITEURS DES VOIES RAS/RAF/MEK/ERK ET PI3K/AKT/P TEN/MTOR**

[72] THOMPSON, SCOTT K., US

[72] SMITH, ROGER A., US

[72] REDDY, SANJEEVA, US

[72] JOHN, TYLER M., US

[72] NYAVANANDI, VIJAY KUMAR, IN

[72] SUBRAMANYA, HOSAHALLI, IN

[72] POTLURI, VIJAY, IN

[72] PANIGRAHI, SUNIL KUMAR, IN

[72] NADIPALLI, PRABHAKARA RAO, IN

[72] SENGUPTA, SAUMITRA, IN

[71] ASANA BIOSCIENCES, LLC, US

[85] 2015-10-09

[86] 2014-04-11 (PCT/US2014/033727)

[87] (WO2014/169167)

[30] US (61/811,408) 2013-04-12

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[21] **2,909,311**  
[13] A1

[51] **Int.Cl. H03M 13/19 (2006.01) H03M 13/25 (2006.01) H03M 13/27 (2006.01) H04L 1/00 (2006.01)**

[25] EN

[54] **DATA PROCESSING DEVICE AND DATA PROCESSING METHOD**

[54] **DISPOSITIF AINSI QUE PROCEDE DE TRAITEMENT DE DONNEES**

[72] SHINOHARA, YUJI, JP

[72] MUHAMMAD, NABIL SVEN LOGHIN, JP

[72] MICHAEL, LACHLAN, JP

[72] HIRAYAMA, YUICHI, JP

[72] YAMAMOTO, MAKIKO, JP

[71] SONY CORPORATION, JP

[85] 2015-10-09

[86] 2014-04-21 (PCT/JP2014/061156)

[87] (WO2014/178300)

[30] JP (2013-096996) 2013-05-02

[21] **2,909,313**  
[13] A1

[51] **Int.Cl. H05K 1/02 (2006.01) H05K 1/03 (2006.01) H05K 1/09 (2006.01) H05K 1/14 (2006.01) H05K 3/02 (2006.01) H05K 3/28 (2006.01)**

[25] EN

[54] **TRANSIENT ELECTRONIC DEVICES COMPRISING INORGANIC OR HYBRID INORGANIC AND ORGANIC SUBSTRATES AND ENCAPSULATES**

[54] **DISPOSITIFS ELECTRONIQUES TRANSITOIRES INORGANIQUES ET ORGANIQUES**

[72] ROGERS, JOHN A., US

[72] KANG, SEUNG-KYUN, US

[72] HWANG, SUKWON, US

[72] CHENG, JIANJUN, US

[72] ZHANG, YANFENG, US

[72] YING, HANZE, US

[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US

[85] 2015-10-09

[86] 2014-04-11 (PCT/US2014/033732)

[87] (WO2014/169170)

[30] US (61/811,603) 2013-04-12

[30] US (61/828,935) 2013-05-30

[30] US (61/829,028) 2013-05-30

[21] **2,909,314**  
[13] A1

[51] **Int.Cl. B64D 45/00 (2006.01) B64C 1/14 (2006.01) B64D 25/14 (2006.01) B64D 47/08 (2006.01) H04N 7/18 (2006.01)**

[25] FR

[54] **METHOD AND SYSTEM FOR DISPLAYING THE EXTERNAL ENVIRONMENT OF AN AIRCRAFT, AND AIRCRAFT DOOR EQUIPPED WITH SUCH A SYSTEM**

[54] **PROCEDE ET SYSTEME DE VISUALISATION DE L'ENVIRONNEMENT EXTERNE D'UN AVION, AINSI QUE PORTE D'AVION EQUIPEE D'UN TEL SYSTEME**

[72] BESETTES, CYRILLE, FR

[72] GROUX, LAURENT, FR

[72] PERRIER, CHRISTOPHE, FR

[71] LATECOERE, FR

[85] 2015-10-09

[86] 2014-04-10 (PCT/EP2014/057223)

[87] (WO2014/167038)

[30] FR (1353323) 2013-04-12

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[21] **2,909,315**  
[13] A1

[51] **Int.Cl. A23L 1/237 (2006.01) A23L 1/22 (2006.01) A23L 1/304 (2006.01) A23L 3/358 (2006.01) C01C 1/28 (2006.01) C01D 3/04 (2006.01) C01F 5/30 (2006.01)**

[25] EN

[54] **FOOD SALT PRODUCT**

[54] **PRODUIT SALANT ALIMENTAIRE**

[72] RAMM-SCHMIDT, LEIF, FI

[72] MITCHELL, HELEN, GB

[72] HUOPANIEMI, TERO, FI

[71] SMART SALT INC., US

[85] 2015-10-09

[86] 2014-04-10 (PCT/FI2014/050258)

[87] (WO2014/167185)

[30] FI (20130102) 2013-04-10

[21] **2,909,318**  
[13] A1

[51] **Int.Cl. C09J 153/02 (2006.01) A61L 15/58 (2006.01) C08L 53/02 (2006.01)**

[25] EN

[54] **HOT-MELT ADHESIVE AGENT**

[54] **AGENT ADHESIF THERMOFUSIBLE**

[72] INOUE, KENTAROU, JP

[72] MORIGUCHI, MASAHIRO, JP

[71] HENKEL AG & CO. KGAA, DE

[85] 2015-10-09

[86] 2014-04-18 (PCT/JP2014/061644)

[87] (WO2014/175410)

[30] JP (2013-090510) 2013-04-23

[21] **2,909,319**  
[13] A1

[51] **Int.Cl. B24D 3/34 (2006.01) A45D 29/04 (2006.01) A61B 17/54 (2006.01) A61C 3/06 (2006.01) B24D 7/00 (2006.01) B24D 11/00 (2006.01)**

[25] EN

[54] **ABRASIVE BODY**

[54] **CORPS ABRASIF**

[72] RUNDEN, BERNHARD, DE

[72] FISCHER, GERD, DE

[71] LUKAS-ERZETT VEREINIGTE SCHLEIF- UND FRASWERKZEUGFABRIKEN GMBH & CO. KG, DE

[85] 2015-10-09

[86] 2014-04-11 (PCT/EP2014/057418)

[87] (WO2014/167111)

[30] DE (10 2013 103 643.0) 2013-04-11

[21] **2,909,320**  
[13] A1

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

[25] EN

[54] **ADSORPTION CARRIER-PACKED COLUMN**

[54] **COLONNE GARNIE DE PORTEUR D'ADSORPTION**

[72] TOMITA, NAOTOSHI, JP

[72] SHIMADA, KAORU, JP

[72] UENO, YOSHIYUKI, JP

[71] TORAY INDUSTRIES, INC., JP

[85] 2015-10-09

[86] 2014-05-30 (PCT/JP2014/064378)

[87] (WO2014/192908)

[30] JP (2013-115261) 2013-05-31

[21] **2,909,322**  
[13] A1

[51] **Int.Cl. C08K 5/098 (2006.01) C08F 214/22 (2006.01)**

[25] FR

[54] **METHOD FOR MANUFACTURING COMPOSITE MATERIAL WHICH IS POLARIZABLE UNDER THE ACTION OF A WEAK ELECTRIC FIELD**

[54] **PROCEDE DE FABRICATION DE MATERIAU COMPOSITE POLARISABLE SOUS L'ACTION D'UN FAIBLE CHAMP ELECTRIQUE**

[72] CAPSAL, JEAN-FABIEN, FR

[72] GALINEAU, JEREMY, FR

[72] COTTINET, PIERRE-JEAN, FR

[72] LALLART, MICKAEL, FR

[72] GUYOMAR, DANIEL, FR

[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON, FR

[85] 2015-10-09

[86] 2014-04-18 (PCT/EP2014/057997)

[87] (WO2014/170479)

[30] FR (1353537) 2013-04-18

[21] **2,909,323**  
[13] A1

[51] **Int.Cl. A24F 47/00 (2006.01)**

[25] EN

[54] **ELECTRONIC CIGARETTE**

[54] **CIGARETTE ELECTRONIQUE**

[72] LIU, QIUMING, CN

[71] KIMREE HI-TECH INC., VG

[85] 2015-10-13

[86] 2013-04-11 (PCT/CN2013/074085)

[87] (WO2014/166091)

[21] **2,909,325**  
[13] A1

[51] **Int.Cl. C08G 18/67 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/73 (2006.01) C08G 18/80 (2006.01) C09D 5/03 (2006.01) C09D 175/14 (2006.01)**

[25] EN

[54] **VINYL FUNCTIONALIZED URETHANE RESINS FOR POWDER COATING COMPOSITIONS**

[54] **RESINES URETHANE FONCTIONNALISEES PAR LE VINYLE POUR COMPOSITIONS DE REVETEMENT EN POUDRE**

[72] DRIJFHOUT, JAN PIETER, NL

[71] DSM IP ASSETS B.V., NL

[85] 2015-10-09

[86] 2014-04-22 (PCT/EP2014/058056)

[87] (WO2014/173861)

[30] EP (13165556.5) 2013-04-26

[21] **2,909,326**  
[13] A1

[51] **Int.Cl. H02J 5/00 (2006.01)**

[25] EN

[54] **POWER TRANSFER SYSTEM**

[54] **SYSTEME DE TRANSFERT D'ENERGIE**

[72] VENDERBOSCH, HERBERT, NL

[72] KASPERS, RAYMOND, NL

[72] EIKENDAL, MARTINUS PETER, NL

[72] BOKS, STEVEN FERDINAND, NL

[72] VAN DER KUIL, JOHANNES HERMANUS MARIA, NL

[71] USE SYSTEM ENGINEERING HOLDING B.V., NL

[85] 2015-10-09

[86] 2014-04-23 (PCT/EP2014/058256)

[87] (WO2014/173962)

[30] EP (13165635.7) 2013-04-26

[21] **2,909,328**  
[13] A1

[51] **Int.Cl. C09K 8/00 (2006.01) B65G 5/00 (2006.01) E21B 41/00 (2006.01) E21B 43/16 (2006.01)**

[25] EN

[54] **METHOD OF STORING CO2**

[54] **PROCEDE DE STOCKAGE DE CO2**

[72] NAZARIAN, BAMSHAD, NO

[72] RINGROSE, PHILIP SEFTON, NO

[71] STATOIL PETROLEUM AS, NO

[85] 2015-10-13

[86] 2014-04-17 (PCT/EP2014/057955)

[87] (WO2014/170455)

[30] EP (PCT/EP2013/058031) 2013-04-17

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[21] <b>2,909,329</b> [13] A1	[21] <b>2,909,332</b> [13] A1	[21] <b>2,909,335</b> [13] A1
[51] <b>Int.Cl. C09K 8/584 (2006.01) E21B 43/22 (2006.01)</b>	[51] <b>Int.Cl. A22C 17/02 (2006.01) A22B 5/00 (2006.01) A22C 17/00 (2006.01)</b>	[51] <b>Int.Cl. A61K 31/137 (2006.01) A61K 45/06 (2006.01) A61P 25/08 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>HIGH-TEMPERATURE RESISTANT NANO COMPOSITE MINING ADDITIVE FOR MINING HEAVY OIL AND SUPER HEAVY OIL AND PREPARATION PROCESS THEREOF</b>	[54] <b>A SYSTEM FOR PROCESSING CARCASS PARTS</b>	[54] <b>FENFLURAMINE FOR USE IN THE TREATMENT OF DRAVET SYNDROME</b>
[54] <b>ADDITIF D'EXTRACTION DE TYPE NANOCOMPOSITE RESISTANT AUX TEMPERATURES ELEVEES POUR L'EXTRACTION D'HUILE LOURDE ET D'HUILE SUPERLOURDE ET SON PROCEDE DE PREPARATION</b>	[54] <b>SYSTEME PERMETTANT DE TRAITER DES PARTIES DE CARCASSES</b>	[54] <b>FENFLURAMINE DESTINEE A ETRE UTILISEE POUR LE TRAITEMENT DU SYNDROME DE DRAVET</b>
[72] YANG, YINHA1, CN	[72] ANDERSON, GREG, US	[72] CEULEMANS, BERTEN, BE
[71] GUNGH0 CHARGE (TIANJIN) REFINED PETROLEUM TECHNOLOGY DEVELOPMENT CO., LTD, CN	[72] SCARPINO, WILLIAM, US	[72] LAGAE, LIEVEN, BE
[85] 2015-10-13	[72] GEORGE, KACIE, US	[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[86] 2013-11-29 (PCT/CN2013/088205)	[71] MAREL MEAT PROCESSING INC., US	[71] UNIVERSITY HOSPITAL ANTWERP, BE
[87] (WO2014/206004)	[85] 2015-10-09	[85] 2015-10-09
[30] CN (201310261797.6) 2013-06-26	[86] 2014-04-28 (PCT/EP2014/058620)	[86] 2014-05-01 (PCT/EP2014/058954)
	[87] (WO2014/174121)	[87] (WO2014/177676)
	[30] US (61/816,259) 2013-04-26	[30] US (13/887,014) 2013-05-03
	[21] <b>2,909,333</b> [13] A1	
	[51] <b>Int.Cl. A23B 4/027 (2006.01) A23L 1/318 (2006.01) B01D 53/28 (2006.01) B65D 81/26 (2006.01)</b>	[21] <b>2,909,338</b> [13] A1
	[25] EN	[51] <b>Int.Cl. F03D 11/00 (2006.01)</b>
	[54] <b>METHOD FOR AGING MEAT</b>	[25] EN
	[54] <b>PROCEDE DE MATURATION DE VIANDE</b>	[54] <b>WIND TURBINE AND A LIGHTNING PROTECTION UNIT FOR A WIND TURBINE</b>
	[72] SCHMIDT, ANDREAS, DE	[54] <b>EOLIENNE ET MODULE DE PROTECTION CONTRE LA FOUDRE POUR EOLIENNE</b>
	[72] TINTCHEV, FILIP, DE	[72] EDEN, GEORG, DE
	[72] SODER, JENS, DE	[72] SATORIUS, FLORIAN, DE
	[71] MCAIRLAID'S VLIESTOFFE GMBH, DE	[71] WOBLEN PROPERTIES GMBH, DE
	[85] 2015-10-13	[85] 2015-10-09
	[86] 2014-04-16 (PCT/DE2014/100132)	[86] 2014-05-08 (PCT/EP2014/059503)
	[87] (WO2014/169901)	[87] (WO2014/184094)
	[30] DE (10 2013 103 834.4) 2013-04-16	[30] DE (10 2013 208 792.6) 2013-05-14
[21] <b>2,909,330</b> [13] A1		
[51] <b>Int.Cl. B63B 21/66 (2006.01)</b>		
[25] EN		
[54] <b>CUTTER DEVICE FOR MARINE SURVEY SYSTEM AND RELATED METHOD</b>		
[54] <b>DISPOSITIF DE COUPE DESTINE A UN SYSTEME DE RELEVÉ MARIN ET PROCEDE CORRESPONDANT</b>		
[72] LARSEN, RAYMOND, FR		
[71] SERCEL SA, FR		
[85] 2015-10-09		
[86] 2014-04-23 (PCT/EP2014/058280)		
[87] (WO2014/173979)		
[30] US (61/815,751) 2013-04-25		

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[21] **2,909,339**  
[13] A1

[51] **Int.Cl. C09K 8/58 (2006.01) B65G 5/00 (2006.01) C09K 8/594 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **METHOD FOR CO2 EOR AND STORAGE AND USE THEREOF**

[54] **PROCEDE POUR LA RECUPERATION ASSISTEE DE PETROLE A L'AIDE DE CO2 ET LE STOCKAGE DE CO2 ET SON UTILISATION**

[72] NAZARIAN, BAMSHAD, NO

[72] RINGROSE, PHILIP SEFTON, NO

[71] STATOIL PETROLEUM AS, NO

[85] 2015-10-13

[86] 2014-04-17 (PCT/EP2014/057978)

[87] (WO2014/170466)

[30] EP (PCT/EP2013/058033) 2013-04-17

[21] **2,909,341**  
[13] A1

[51] **Int.Cl. F15B 15/14 (2006.01)**

[25] EN

[54] **SWIVEL CAP**

[54] **CAPUCHON PIVOTANT**

[72] COOPER, JAMES E., US

[71] SPX FLOW, INC., US

[85] 2015-10-09

[86] 2014-04-11 (PCT/US2014/033772)

[87] (WO2014/169194)

[30] US (61/811,575) 2013-04-12

[21] **2,909,342**  
[13] A1

[51] **Int.Cl. A61B 5/042 (2006.01) A61B 5/07 (2006.01)**

[25] EN

[54] **ECG MONITOR WITH AN IMPLANTABLE PART**

[54] **MONITEUR ECG POURVU D'UNE PARTIE IMPLANTABLE**

[72] JENSEN, RASMUS STIG, DK

[72] TOPHOLM, RICHARD, DK

[72] WESTERMANN, SOREN ERIK, DK

[71] T&W ENGINEERING A/S, DK

[85] 2015-10-13

[86] 2013-04-15 (PCT/EP2013/057800)

[87] (WO2014/169940)

[21] **2,909,343**  
[13] A1

[51] **Int.Cl. C02F 1/68 (2006.01) A23L 2/52 (2006.01) A23L 2/54 (2006.01)**

[25] EN

[54] **MULTIPLE BATCH SYSTEM FOR THE PREPARATION OF A SOLUTION OF CALCIUM HYDROGEN CARBONATE SUITABLE FOR THE REMINERALIZATION OF DESALINATED WATER AND OF NATURALLY SOFT WATER**

[54] **SYSTEME A LOTS MULTIPLES POUR LA PREPARATION D'UNE SOLUTION DE BICARBONATE DE CALCIUM CONVENANT A LA REMINERALISATION D'EAU DESSALEE ET D'EAU NATURELLEMENT DOUCE**

[72] SKOVBY, MICHAEL, CH

[72] POFFET, MARTINE, CH

[71] OMYA INTERNATIONAL AG, CH

[85] 2015-10-13

[86] 2014-05-06 (PCT/EP2014/059251)

[87] (WO2014/187666)

[30] EP (13169161.0) 2013-05-24

[30] US (61/829,304) 2013-05-31

[21] **2,909,344**  
[13] A1

[51] **Int.Cl. H05K 1/02 (2006.01) A61M 5/44 (2006.01) G01K 1/00 (2006.01) G01N 27/00 (2006.01) G06K 19/077 (2006.01) H05K 1/09 (2006.01) H05K 3/28 (2006.01)**

[25] EN

[54] **MATERIALS, ELECTRONIC SYSTEMS AND MODES FOR ACTIVE AND PASSIVE TRANSCIENCE**

[54] **MATERIAUX, SYSTEMES ELECTRONIQUES ET MODES POUR EFFET TRANSITOIRE ACTIF ET PASSIF**

[72] ROGERS, JOHN A., US

[72] LEE, CHI HWAN, US

[72] YIN, LAN, US

[72] HUANG, XIAN, US

[72] LEAL, CECILIA MARIA DAS NEVES BARBOSA, US

[72] HARBURG, DANIEL VINCENT, US

[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US

[85] 2015-10-09

[86] 2014-04-11 (PCT/US2014/033817)

[87] (WO2014/169218)

[30] US (61/811,603) 2013-04-12

[30] US (61/828,935) 2013-05-30

[30] US (61/829,028) 2013-05-30

[21] **2,909,345**  
[13] A1

[51] **Int.Cl. B01D 53/14 (2006.01) C01B 17/05 (2006.01) C02F 1/72 (2006.01) C10L 3/10 (2006.01)**

[25] EN

[54] **ABSORPTION MEDIUM, PROCESS FOR PRODUCING AN ABSORPTION MEDIUM, AND ALSO PROCESS AND APPARATUS FOR SEPARATING HYDROGEN SULFIDE FROM AN ACIDIC GAS**

[54] **AGENT ABSORBANT, PROCEDE POUR LE FABRIQUER, AINSI QUE PROCEDE ET DISPOSITIF DE SEPARATION DE SULFURE D'HYDROGENE D'AVEC UN GAZ ACIDE**

[72] BRECHTEL, KEVIN, DE

[72] JOH, RALPH, DE

[72] KINZL, MARKUS, DE

[72] NICKELFELD, HANS WOLFGANG, DE

[72] RAAKE, KATRIN, DE

[72] RENGER, MATTHIAS, DE

[72] SCHRAMM, HENNING, DE

[71] SIEMENS AKTIENGESELLSCHAFT, DE

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[87] (WO2014/170047)

[30] DE (10 2013 206 721.6) 2013-04-15

[21] **2,909,346**  
[13] A1

[51] **Int.Cl. E02B 3/10 (2006.01) E02B 7/00 (2006.01)**

[25] EN

[54] **INFLATABLE FLOOD DEFENCE STRUCTURAL UNIT AND ARRANGEMENT**

[54] **UNITE ET AGENCEMENT STRUCTURELS DE DEFENSE CONTRE L'INONDATION GONFLABLES**

[72] JAMES, PETER, GB

[71] CINTEC INTERNATIONAL LIMITED, GB

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[86] 2014-04-07 (PCT/GB2014/051073)

[87] (WO2014/167301)

[30] GB (1306366.4) 2013-04-09

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[51] **Int.Cl. B25J 9/16 (2006.01)**  
[25] EN  
[54] **SAFETY MONITORING FOR A SERIAL KINEMATIC STRUCTURE**  
[54] **SURVEILLANCE DE SECURITE D'UNE CINEMATIQUE SERIE**  
[72] DIRSCHLMAYR, THOMAS, AT  
[72] KAPPELLER, THOMAS, AT  
[71] BERNECKER + RAINER INDUSTRIE-ELEKTRONIK GES.M.B.H, AT  
[85] 2015-10-13  
[86] 2014-03-17 (PCT/EP2014/055243)  
[87] (WO2014/187590)  
[30] AT (A50348/2013) 2013-05-22

[21] **2,909,348**  
[13] A1

[51] **Int.Cl. C07D 207/40 (2006.01) A61K 31/401 (2006.01) A61P 31/00 (2006.01)**  
[25] EN  
[54] **SULPHAMOYLPIRROLAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B**  
[54] **DERIVES DE SULFAMOYLPIRROLAMIDES ET LEUR UTILISATION EN TANT QUE MEDICAMENTS POUR LE TRAITEMENT DE L'HEPATITE B**  
[72] VANDYCK, KOEN, BE  
[72] HACHE, GEERWIN YVONNE PAUL, BE  
[72] LAST, STEFAAN JULIEN, BE  
[72] MC GOWAN, DAVID CRAIG, BE  
[72] ROMBOUTS, GEERT, BE  
[72] VERSCHUEREN, WIM GASTON, BE  
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE  
[71] JANSSEN SCIENCES IRELAND UC, IE  
[85] 2015-10-13  
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[87] (WO2014/184350)  
[30] EP (13168291.6) 2013-05-17  
[30] EP (13175181.0) 2013-07-04  
[30] EP (13182281.9) 2013-08-29  
[30] EP (13191209.9) 2013-10-31  
[30] EP (13198160.7) 2013-12-18  
[30] EP (14157900.3) 2014-03-05

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[13] A1

[51] **Int.Cl. A61K 31/675 (2006.01) A61K 31/155 (2006.01) A61K 31/4045 (2006.01) A61K 31/485 (2006.01) A61P 35/00 (2006.01)**  
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[54] **CANCER THERAPY**  
[54] **THERAPIE CONTRE LE CANCER**  
[72] BENT, REBECCA LAMBERT, US  
[71] BENT, REBECCA LAMBERT, US  
[85] 2015-10-09  
[86] 2014-04-11 (PCT/US2014/033820)  
[87] (WO2014/169221)  
[30] US (61/811,209) 2013-04-12

[21] **2,909,350**  
[13] A1

[51] **Int.Cl. A61B 17/70 (2006.01) A61B 17/86 (2006.01)**  
[25] EN  
[54] **OUT-OF-ROUND PEDICLE SCREW**  
[54] **VIS PEDICULAIRE A FAUX-ROND**  
[72] LINDNER, STEPHAN, DE  
[72] BOGAJO, JUAN-JOSE, DE  
[71] AESCULAP AG, DE  
[85] 2015-10-13  
[86] 2014-06-25 (PCT/EP2014/063401)  
[87] (WO2014/207044)  
[30] DE (10 2013 106 758.1) 2013-06-27

[21] **2,909,351**  
[13] A1

[51] **Int.Cl. G05B 17/02 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR THE CO-SIMULATION OF TWO SUB-SYSTEMS**  
[54] **PROCEDE ET DISPOSITIF DE CO-SIMULATION DE DEUX SYSTEMES PARTIELS**  
[72] ZEHETNER, JOSEF, AT  
[72] PAULWEBER, MICHAEL, AT  
[72] KOKAL, HELMUT, AT  
[72] BENEDIKT, MARTIN, AT  
[71] KOMPETENZENTRUM - DAS VIRTUELLE FAHRZEUG, FORSCHUNGSGESELLSCHAFT MBH, AT  
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[87] (WO2014/170188)  
[30] AT (A50260/2013) 2013-04-15

[21] **2,909,352**  
[13] A1

[51] **Int.Cl. A47J 31/40 (2006.01)**  
[25] EN  
[54] **PORTABLE COFFEE BREWER**  
[54] **INFUSEUR A CAFE PORTATIF**  
[72] VIET-DOAN, JIMMY QUANG, US  
[71] OXX PRODUCTS LLC, US  
[85] 2015-10-09  
[86] 2014-04-11 (PCT/US2014/033864)  
[87] (WO2014/169248)  
[30] US (61/810,781) 2013-04-11

[21] **2,909,353**  
[13] A1

[51] **Int.Cl. A21D 2/18 (2006.01) A21D 8/04 (2006.01)**  
[25] EN  
[54] **METHOD FOR MAKING A SOFT CAKE BATTER**  
[54] **PROCEDE POUR PRODUIRE UNE PATE A GATEAU MOELLEUX**  
[72] NOTARDONATO, LELIA, FR  
[72] CLEMENT, JEROME, FR  
[72] HARICHANE, DIDLER, FR  
[71] GENERALE BISCUIT, FR  
[85] 2015-10-13  
[86] 2014-04-16 (PCT/EP2014/057797)  
[87] (WO2014/177391)  
[30] EP (13305559.0) 2013-04-29

[21] **2,909,354**  
[13] A1

[51] **Int.Cl. A61B 17/16 (2006.01) A61C 1/14 (2006.01) B23B 31/06 (2006.01) B23B 31/08 (2006.01) B23B 51/12 (2006.01)**  
[25] EN  
[54] **DYNAMIC LOCKING DEVICE**  
[54] **DISPOSITIF DE VERROUILLAGE DYNAMIQUE**  
[72] MASSON, MARTIN, US  
[71] MEDTRONIC XOMED, INC., US  
[85] 2015-10-13  
[86] 2014-04-14 (PCT/US2014/033977)  
[87] (WO2014/176060)  
[30] US (13/870,675) 2013-04-25

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[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE PRELEVEMENT DE FLUIDE BIOLOGIQUE ET SYSTEME D'ANALYSE ET DE SEPARATION DE FLUIDE BIOLOGIQUE**

[72] GELFAND, CRAIG A., US  
[72] ROTHENBERG, ASHLEY RACHEL, US  
[72] WILKINSON, BRADLEY M., US  
[72] MARCHIARULLO, DANIEL J., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033926)  
[87] (WO2014/172238)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,356**  
[13] A1

[51] **Int.Cl. C07K 14/47 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **MEDICAL USE OF SYNDECAN-2**

[54] **UTILISATION MEDICALE DU SYNDECANE-2**

[72] ELLIMAN, STEPHEN JOSEPH, IE  
[71] ORBSEN THERAPEUTICS LIMITED, IE  
[85] 2015-10-13  
[86] 2014-04-16 (PCT/EP2014/057830)  
[87] (WO2014/170411)  
[30] GB (1306886.1) 2013-04-16  
[30] GB (1314544.6) 2013-08-14

[21] **2,909,358**  
[13] A1

[51] **Int.Cl. C04B 7/43 (2006.01)**

[25] EN

[54] **PROCESS AND DEVICE FOR CEMENT CLINKER PRODUCTION**

[54] **PROCEDE ET DISPOSITIF DE FABRICATION DE CLINKER**

[72] GASSER, URS, CH  
[71] HOLCIM TECHNOLOGY LTD, CH  
[85] 2015-10-09  
[86] 2014-04-08 (PCT/IB2014/000500)  
[87] (WO2014/170729)  
[30] AT (A 307/2013) 2013-04-15

[21] **2,909,359**  
[13] A1

[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/153 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**

[54] **DISPOSITIF DE COLLECTE DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'ANALYSE DE FLUIDE BIOLOGIQUE**

[72] ELLIS, ROBERT G., US  
[72] WILKINSON, BRADLEY M., US  
[71] BECTON, DICKINSON AND COMPANY, US  
[85] 2015-10-09  
[86] 2014-04-14 (PCT/US2014/033927)  
[87] (WO2014/172239)  
[30] US (61/811,918) 2013-04-15

[21] **2,909,360**  
[13] A1

[51] **Int.Cl. B65D 47/36 (2006.01) A47J 31/46 (2006.01)**

[25] EN

[54] **DISPENSER HAVING PIERCEABLE MEMBRANE**

[54] **DISTRIBUTEUR MUNI D'UNE MEMBRANE POUVANT ETRE PERCEE**

[72] FRIESEN, BRADLEY, CA  
[72] CARIUS, MARCUS, CA  
[72] TRAMPOLSKI, ALEXANDER, US  
[71] BOTTLECAP HOLDINGS LTD., CA  
[85] 2015-10-13  
[86] 2014-03-21 (PCT/CA2014/050300)  
[87] (WO2014/165983)  
[30] US (61/810,978) 2013-04-11

[21] **2,909,361**  
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/015 (2006.01) A61B 1/12 (2006.01)**

[25] EN

[54] **ENDOSCOPE LENS CLEANING DEVICE**

[54] **DISPOSITIF DE NETTOYAGE DE LENTILLE D'ENDOSCOPE**

[72] MOWLAI-ASHTIANI, ALI, US  
[71] MEDTRONIC XOMED, INC., US  
[85] 2015-10-13  
[86] 2014-04-25 (PCT/US2014/035488)  
[87] (WO2014/176523)  
[30] US (13/871,870) 2013-04-26

[21] **2,909,362**  
[13] A1

[51] **Int.Cl. G06K 17/00 (2006.01) G06K 19/07 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR CONNECTING PEOPLE WITH PRODUCT INFORMATION**

[54] **SYSTEMES ET PROCEDES POUR METTRE EN CONTACT DES PERSONNES AVEC DES INFORMATIONS DE PRODUIT**

[72] MARTINEZ DE VELASCO CORTINA, FRANCISCO, US  
[72] RIETZLER, MANFRED, DE  
[71] NEOLOGY, INC., US  
[85] 2015-10-13  
[86] 2014-04-14 (PCT/US2014/034050)  
[87] (WO2014/169290)  
[30] US (61/811,649) 2013-04-12  
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[51] <b>Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01) A61B 5/153 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61B 5/157 (2006.01) B01L 3/00 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)</b>	[51] <b>Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)</b>	[51] <b>Int.Cl. B01L 3/00 (2006.01) A61B 5/15 (2006.01) A61B 5/157 (2006.01) G01N 1/40 (2006.01) G01N 33/49 (2006.01) G01N 33/50 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID COLLECTION AND TESTING SYSTEM</b>	[54] <b>2-AMINOPYRIDO[4,3-D]PYRIMIDIN-5-ONE DERIVATIVES AND THEIR USE AS WEE-1 INHIBITORS</b>	[54] <b>BIOLOGICAL FLUID SEPARATION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM</b>
[54] <b>DISPOSITIF DE COLLECTE DE FLUIDE BIOLOGIQUE ET SYSTEME DE COLLECTE ET D'ANALYSE DE FLUIDE BIOLOGIQUE</b>	[54] <b>DERIVES 2-AMINOPYRIDO[4,3-D]PYRIMIDIN-5-ONE ET LEUR UTILISATION COMME INHIBITEURS DE WEE-1</b>	[54] <b>DISPOSITIF DE SEPARATION DE FLUIDE BIOLOGIQUE ET SEPARATION DE FLUIDE BIOLOGIQUE ET SYSTEME DE TEST</b>
[72] FLETCHER, GARY D., US	[72] O'DOWD, COLIN RODERICK, GB	[72] FLETCHER, GARY D., US
[72] GELFAND, CRAIG A., US	[72] ROUNTREE, JAMES SAMUEL	[72] CRAWFORD, JAMIESON W., SE
[72] MARCHIARULLO, DANIEL J., US	[72] SHANE, GB	[72] MARCHIARULLO, DANIEL J., US
[72] ROTHENBERG, ASHLEY RACHEL, US	[72] BURKAMP, FRANK, GB	[71] BECTON, DICKINSON AND COMPANY, US
[72] WILKINSON, BRADLEY M., US	[72] WILKINSON, ANDREW JOHN, GB	[85] 2015-10-09
[71] BECTON, DICKINSON AND COMPANY, US	[71] ALMAC DISCOVERY LIMITED, IE	[86] 2014-04-14 (PCT/US2014/033934)
[85] 2015-10-09	[85] 2015-10-09	[87] (WO2014/172244)
[86] 2014-04-14 (PCT/US2014/033931)	[86] 2014-04-11 (PCT/GB2014/051136)	[30] US (61/811,918) 2013-04-15
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[30] US (61/811,918) 2013-04-15	[30] GB (1306610.5) 2013-04-11	
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	[51] <b>Int.Cl. B64D 45/02 (2006.01) F16B 33/00 (2006.01) F16B 37/14 (2006.01)</b>	[51] <b>Int.Cl. B65D 25/20 (2006.01) B29C 45/14 (2006.01) B65D 41/04 (2006.01) B65D 51/24 (2006.01) B65D 51/32 (2006.01)</b>
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	[54] <b>TRANSLUCENT SEAL CAP</b>	[54] <b>PACKAGE FOR A LIQUID LAUNDRY DETERGENT</b>
	[54] <b>CAPUCHON HERMETIQUE TRANSLUCIDE</b>	[54] <b>CONDITIONNEMENT POUR UN DETERGENT A LESSIVE LIQUIDE</b>
	[72] ZOOK, JONATHAN D., US	[72] FOX, MICHAEL ROBERT, US
	[72] HEBERT, LARRY S., US	[72] SANDERS, MICHAEL DAVID, US
	[72] SWAN, MICHAEL D., US	[72] SCHWARTZ, JOHN JOSEPH, US
	[72] YE, SHENG, US	[71] THE PROCTER & GAMBLE COMPANY, US
	[72] DEMOSS, SUSAN E., US	[85] 2015-10-13
	[72] WRIGHT, ROBIN E., US	[86] 2014-04-30 (PCT/US2014/035977)
	[71] 3M INNOVATIVE PROPERTIES COMPANY, US	[87] (WO2014/179374)
	[85] 2015-10-13	[30] US (13/886,883) 2013-05-03
	[86] 2014-04-15 (PCT/US2014/034070)	
	[87] (WO2014/172302)	
	[30] US (61/811,983) 2013-04-15	
[21] <b>2,909,364</b> [13] A1		
[51] <b>Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01)</b>		
[25] EN		
[54] <b>BLOOD GLUCOSE MANAGEMENT</b>		
[54] <b>GESTION DE LA GLYCEMIE</b>		
[72] CHRISTENSEN, CURTIS, US		
[72] DAVIS, DANIEL, US		
[72] DAVIS, ERIK, US		
[71] BIRCH NARROWS DEVELOPMENT LLC, US		
[85] 2015-10-13		
[86] 2014-04-25 (PCT/US2014/035507)		
[87] (WO2014/179171)		
[30] US (61/817,172) 2013-04-29		
[30] US (13/946,838) 2013-07-19		

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[51] <b>Int.Cl. A61K 9/20 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)</b>	[51] <b>Int.Cl. C07D 213/81 (2006.01) A01N 37/30 (2006.01) A01N 43/40 (2006.01) A01N 43/50 (2006.01) C07C 233/76 (2006.01) C07C 235/46 (2006.01) C07D 207/46 (2006.01) C07D 231/14 (2006.01) C07D 231/56 (2006.01) C07D 233/90 (2006.01) C07D 239/28 (2006.01) C07D 241/24 (2006.01) C07D 277/56 (2006.01) C07D 401/12 (2006.01) C07D 471/04 (2006.01)</b>	[51] <b>Int.Cl. C07F 15/06 (2006.01) C07F 1/08 (2006.01) C07F 3/02 (2006.01) C07F 3/06 (2006.01) C07F 5/06 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>SUSTAINED-RELEASE FORMULATIONS OF COLCHICINE AND METHODS OF USING SAME</b>	[54] <b>HERBICIDALLY ACTIVE 2-(SUBSTITUTED-PHENYL)-CYCLOPENTANE-1,3-DIONE COMPOUNDS AND DERIVATIVES THEREOF</b>	[54] <b>PROCESS FOR THE PREPARATION OF A METAL-ORGANIC COMPOUND</b>
[54] <b>FORMULATIONS DE COLCHICINE A LIBERATION PROLONGEE ET PROCEDES D'UTILISATION DE CES DERNIERES</b>	[54] <b>COMPOSES DE 2-(PHENYL SUBSTITUE)-CYCLOPENTANE-1,3-DIONE PRESENTANT UNE ACTIVITE HERBICIDE, ET LEURS DERIVES</b>	[54] <b>PROCEDE DE PREPARATION D'UN COMPOSE ORGANOMETALLIQUE</b>
[72] RIEL, SUSANNE, AE	[72] AVERY, ALARIC JAMES, GB	[72] JAMES, STUART, GB
[71] MURRAY AND POOLE ENTERPRISES LIMITED, GB	[72] TAYLOR, JOHN BENJAMIN, GB	[72] MCNALLY, TONY, GB
[85] 2015-10-09	[72] VINER, RUSSELL COLIN, GB	[72] HAYDON, ROBERT, GB
[86] 2014-04-16 (PCT/IB2014/001201)	[72] WAILES, JEFFERY STEVEN, GB	[71] THE QUEEN'S UNIVERSITY OF BELFAST, GB
[87] (WO2014/170755)	[72] CLOUDSDALE, IAN STUART, US	[85] 2015-10-09
[30] US (61/812,514) 2013-04-16	[72] ASPINALL, IAN HENRY, GB	[86] 2014-05-27 (PCT/GB2014/051605)
[30] EP (EP 13194505.7) 2013-11-26	[72] BLACK, JANICE, GB	[87] (WO2014/191725)
	[72] BRIGGS, EMMA, GB	[30] GB (1309458.6) 2013-05-27
	[72] HACHISU, SHUJI, GB	
	[72] HARDY, SIMON, GB	
	[72] DICKSON, JOHN KENNETH JR, US	
	[71] SYNGENTA LIMITED, GB	
	[85] 2015-10-13	
	[86] 2014-04-16 (PCT/EP2014/057835)	
	[87] (WO2014/170413)	
	[30] GB (1307093.3) 2013-04-19	
	[30] GB (1310115.9) 2013-06-06	
		[21] <b>2,909,373</b> [13] A1
		[51] <b>Int.Cl. G01B 11/24 (2006.01) G01B 11/30 (2006.01) G01M 17/013 (2006.01) G01M 17/02 (2006.01) G01N 21/88 (2006.01) G01N 21/952 (2006.01)</b>
		[25] EN
		[54] <b>UNIFORMITY TESTING SYSTEM AND METHODOLOGY FOR UTILIZING THE SAME</b>
		[54] <b>SYSTEME DE TEST D'UNIFORMITE ET METHODOLOGIE D'UTILISATION DE CELUI-CI</b>
		[72] LAWSON, LAWRENCE J., US
		[72] STRAITIFF, DONALD G., US
		[72] CLARK, BARRY A., US
		[72] NIAZY, RAMSEY RICHARD, US
		[71] ANDROID INDUSTRIES LLC, US
		[85] 2015-10-13
		[86] 2014-05-06 (PCT/US2014/036921)
		[87] (WO2014/186171)
		[30] US (61/823,261) 2013-05-14
		[30] US (14/268,814) 2014-05-02



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[13] A1

[51] **Int.Cl. H04W 40/26 (2009.01) H04W 48/08 (2009.01) H04L 12/721 (2013.01) H04L 12/733 (2013.01) H04L 12/761 (2013.01)**

[25] EN

[54] **SMF-TYPE COMMUNICATION METHOD FOR A MANET NETWORK, NETWORK NODE AND MOBILE NETWORK WHICH IMPLEMENT THIS COMMUNICATION METHOD**

[54] **PROCEDE DE COMMUNICATION DE TYPE SMF POUR UN RESEAU MOBILE AD HOC, NOEUD DE RESEAU ET RESEAU MOBILE QUI METTENT EN OEUVRE CE PROCEDE DE COMMUNICATION**

[72] GEL, FRANCESCO, IT  
[72] PRIVITERA, NICCOLO, IT  
[72] TAMEA, GABRIELE, IT  
[71] SELEX ES S.P.A., IT  
[85] 2015-10-09  
[86] 2014-04-11 (PCT/IB2014/060665)  
[87] (WO2014/167549)  
[30] IT (TO2013A000297) 2013-04-12

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[13] A1

[51] **Int.Cl. B65B 9/04 (2006.01) B65D 81/32 (2006.01) C11D 17/04 (2006.01)**

[25] EN

[54] **MAKING WATER SOLUBLE POUCHES**

[54] **FABRICATION DE POUCHES SOLUBLES DANS L'EAU**

[72] FOWLER, JAMES, US  
[72] MAKUTONIN, BORIS, US  
[71] RIDEAU MACHINERY, INC, US  
[85] 2015-10-13  
[86] 2014-04-22 (PCT/IB2014/060899)  
[87] (WO2014/170882)  
[30] GB (1307160.0) 2013-04-19  
[30] GB (1320204.9) 2013-11-15

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[21] **2,909,377**  
[13] A1

[51] **Int.Cl. B64D 45/02 (2006.01) F16B 37/14 (2006.01)**

[25] EN

[54] **LIGHT WEIGHT SEAL CAP**

[54] **CAPUCHON HERMETIQUE LEGER**

[72] ZOOK, JONATHAN D., US  
[72] HEBERT, LARRY S., US  
[72] SWAN, MICHAEL D., US  
[72] YE, SHENG, US  
[72] DEMOSS, SUSAN E., US  
[72] WRIGHT, ROBIN E., US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2015-10-13  
[86] 2014-04-15 (PCT/US2014/034073)  
[87] (WO2014/172305)  
[30] US (61/811,988) 2013-04-15

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[13] A1

[51] **Int.Cl. A61J 1/20 (2006.01) A61B 5/145 (2006.01) A61B 5/15 (2006.01)**

[25] EN

[54] **ADAPTER CAPS FOR SAMPLE COLLECTION CONTAINERS AND ASSOCIATED MOLDS WITH CORE PINS AND RELATED METHODS**

[54] **CAPUCHONS D'ADAPTATION POUR RECIPIENTS DE COLLECTE D'ECHANTILLON ET MOULES ASSOCIES COMPRENANT DES CANNES DE SOUFFLAGE ET PROCEDES ASSOCIES**

[72] PHILIPAK, STANLEY MICHAEL, US  
[72] CRANDALL, SAMUEL B., US  
[71] BIOMERIEUX, INC., US  
[85] 2015-10-09  
[86] 2014-04-21 (PCT/US2014/034766)  
[87] (WO2014/176152)  
[30] US (61/815,395) 2013-04-24

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[13] A1

[51] **Int.Cl. B01F 7/00 (2006.01) B29B 7/52 (2006.01) B29C 47/52 (2006.01)**

[25] EN

[54] **MACHINE FOR PROCESSING POLYMER MATERIALS**

[54] **MACHINE POUR LE TRAITEMENT DE MATIERES POLYMERES**

[72] PONZIELLI, GIUSEPPE, IT  
[71] NEXXUS CHANNEL S.R.L., IT  
[85] 2015-10-09  
[86] 2014-04-11 (PCT/IB2014/060667)  
[87] (WO2014/167551)  
[30] IT (MI2013A000601) 2013-04-12

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[13] A1

[51] **Int.Cl. E21B 33/04 (2006.01) E21B 23/00 (2006.01) E21B 43/10 (2006.01)**

[25] EN

[54] **ROTATING MANDREL CASING HANGERS**

[54] **SUPPORTS DE TUBAGE A MANDRIN ROTATIF**

[72] HANSON, ANDREW R., US  
[72] CAVANAGH, JAMES D., US  
[72] LEVERT, MICHAEL F., JR., US  
[72] SHIRLEY, BRANDON B., SG  
[72] SOMMERFELD, KYLE A., US  
[72] LIM, TIMOTHY W., US  
[72] CHRISTOPHERSON, ADAM J., US  
[71] CAMERON INTERNATIONAL CORPORATION, US  
[85] 2015-10-09  
[86] 2014-04-21 (PCT/US2014/034779)  
[87] (WO2014/176157)  
[30] US (13/867,947) 2013-04-22

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[13] A1

[51] **Int.Cl. D21F 5/20 (2006.01) D21F 5/18 (2006.01) F24H 3/04 (2006.01)**

[25] EN

[54] **COMBUSTION SYSTEM AND METHOD FOR HEATING PROCESS AIR FOR PAPER DRYING SYSTEMS**

[54] **SYSTEME ET PROCEDE DE COMBUSTION POUR CHAUFFER L'AIR DE TRAITEMENT POUR DES SYSTEMES DE SECHAGE DE PAPIER**

[72] SACCOMANO, PIETRO, IT

[72] GIANNACCCHINI, MASSIMO, IT

[71] NOVIMPIANTI DRYING TECHNOLOGY S.R.L., IT

[85] 2015-10-09

[86] 2014-05-09 (PCT/IB2014/061330)

[87] (WO2014/181305)

[30] IT (MI2013A 000775) 2013-05-10

[21] **2,909,386**  
[13] A1

[51] **Int.Cl. A61B 17/32 (2006.01) A61B 17/3205 (2006.01) A61B 17/42 (2006.01)**

[25] EN

[54] **TISSUE RESECTING SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE RESECTION TISSULAIRE**

[72] BEK, ROBIN, US

[72] GERMAIN, AARON, US

[71] IOGYN, INC., US

[85] 2015-10-09

[86] 2014-04-24 (PCT/US2014/035350)

[87] (WO2014/176453)

[30] US (61/816,371) 2013-04-26

[21] **2,909,387**  
[13] A1

[51] **Int.Cl. A01N 65/03 (2009.01) C05F 11/00 (2006.01)**

[25] EN

[54] **GIBBERELIC ACID (GA3) FREE KAPPAPHYCUS ALVAREZII SAP AND ITS APPLICATION THEREOF**

[54] **SEVE DE KAPPAPHYCUS ALVAREZII EXEMPTTE D'ACIDE GIBBERELLIQUE (GA3) ET SON APPLICATION**

[72] GHOSH, PUSHPITO KUMAR, IN

[72] GHOSH, ARUP, IN

[72] MONDAL, DIBYENDU, IN

[72] PRASAD, KAMALESH, IN

[72] AGARWAL, PRADEEP KUMAR, IN

[72] AGARWAL, PARINITA, IN

[72] ZODAPE, SUDHAKAR TUKARAMJI, IN

[72] GOPALAKRISHNAN, VIJAY ANAND KATTAERI, IN

[71] COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, IN

[85] 2015-10-13

[86] 2014-04-09 (PCT/IN2014/000224)

[87] (WO2014/167583)

[30] IN (1078/DEL/2013) 2013-04-10

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[13] A1

[51] **Int.Cl. B65D 5/10 (2006.01)**

[25] EN

[54] **CARTON WITH RECLOSEABLE FEATURES**

[54] **CARTON A ELEMENTS POUVANT ETRE REFERMES**

[72] PINKSTONE, FELICIA A., US

[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US

[85] 2015-10-09

[86] 2014-05-02 (PCT/US2014/036502)

[87] (WO2014/179653)

[30] US (61/854,854) 2013-05-03

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[13] A1

[51] **Int.Cl. G01M 15/14 (2006.01) G01N 17/00 (2006.01) G01N 33/20 (2006.01) G01N 3/60 (2006.01)**

[25] FR

[54] **PROCESS FOR ANALYSING A FRACTURE SURFACE OF A TURBOMACHINE PART**

[54] **PROCEDE D'ANALYSE D'UN FACIES DE RUPTURE D'UNE PIECE DE TURBOMACHINE**

[72] COLLADON, FABRICE, FR

[71] SNECMA, FR

[85] 2015-10-13

[86] 2014-04-11 (PCT/FR2014/050880)

[87] (WO2014/174179)

[30] FR (1353660) 2013-04-22

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[13] A1

[51] **Int.Cl. A23L 1/0522 (2006.01) A23K 1/20 (2006.01) A23L 1/00 (2006.01) A23P 1/12 (2006.01) A23P 1/14 (2006.01)**

[25] EN

[54] **SUPERCritical FLUID EXTRUDED FOOD PRODUCT**

[54] **PRODUIT ALIMENTAIRE EXTRUDE A PARTIR D'UN FLUIDE SUPERCRITIQUE**

[72] GANJYAL, GIRISH, US

[71] FRITO-LAY NORTH AMERICA, INC., US

[85] 2015-10-09

[86] 2014-05-16 (PCT/US2014/038433)

[87] (WO2014/193669)

[30] US (13/904,703) 2013-05-29

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[13] A1

[51] **Int.Cl. C08L 9/00 (2006.01) B65G 15/30 (2006.01) B65G 15/32 (2006.01) C08K 3/04 (2006.01) C08K 3/06 (2006.01)**

[25] EN

[54] **RUBBER COMPOSITION FOR CONVEYOR BELT, AND CONVEYOR BELT**

[54] **COMPOSITION DE CAOUTCHOUC POUR COURROIE TRANSPORTEUSE, ET COURROIE TRANSPORTEUSE**

[72] SASAKUMA, HIDEHIRO, JP

[72] SUEFUJI, RYOTARO, JP

[72] MIYAJIMA, ATSUSHI, JP

[72] HOU, GANG, JP

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

[85] 2015-10-13

[86] 2014-04-08 (PCT/JP2014/060165)

[87] (WO2014/171364)

[30] JP (2013-084582) 2013-04-15

[21] **2,909,395**  
[13] A1

[51] **Int.Cl. B01D 53/22 (2006.01)**

[25] EN

[54] **DEVICE FOR SEPARATING CARBON DIOXIDE USING SILICONE SEPARATION FILM AND METHOD FOR MANUFACTURING THE SAME**

[54] **DISPOSITIF POUR LA SEPARATION DE DIOXYDE DE CARBONE UTILISANT UN FILM DE SEPARATION EN SILICONE ET PROCEDE POUR SA FABRICATION**

[72] KIM, GWAN SHIG, KR

[72] SHIN, KY YEONG, KR

[71] KIM, GWAN SHIG, KR

[71] SHIN, KY YEONG, KR

[85] 2015-10-09

[86] 2014-04-29 (PCT/KR2014/003757)

[87] (WO2014/181994)

[30] KR (10-2013-0053058) 2013-05-10

[30] KR (10-2013-0119091) 2013-10-07

[21] **2,909,396**  
[13] A1

[51] **Int.Cl. B01J 19/18 (2006.01) B01J 8/06 (2006.01)**

[25] EN

[54] **INSTALLATION TOOLS FOR STRUCTURED CATALYSTS**

[54] **OUTILS D'INSTALLATION POUR DES CATALYSEURS STRUCTURES**

[72] WHITTENBERGER, WILLIAM A., US

[72] WHITTENBERGER, JOSEPH W., US

[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB

[85] 2015-10-09

[86] 2014-05-30 (PCT/US2014/040211)

[87] (WO2014/194185)

[30] US (61/829,584) 2013-05-31

[21] **2,909,397**  
[13] A1

[51] **Int.Cl. B23K 11/16 (2006.01) B23K 11/11 (2006.01) B23K 11/24 (2006.01)**

[25] EN

[54] **SPOT WELDING METHOD**

[54] **PROCEDE DE SOUDAGE PAR POINTS**

[72] FURUSAKO, SEIJI, JP

[72] WATANABE, FUMINORI, JP

[72] MIYAZAKI, YASUNOBU, JP

[72] OKADA, TOHRU, JP

[72] ZENIYA, TASUKU, JP

[72] SATO, KOICHI, JP

[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP

[85] 2015-10-13

[86] 2014-04-16 (PCT/JP2014/060848)

[87] (WO2014/171495)

[30] JP (2013-086837) 2013-04-17

[21] **2,909,398**  
[13] A1

[51] **Int.Cl. B65D 43/14 (2006.01) B65D 51/00 (2006.01)**

[25] FR

[54] **CONTAINER, IN PARTICULAR FOR FOOD USE**

[54] **RECIPIENT, NOTAMMENT A USAGE ALIMENTAIRE**

[72] FROLIN, NICOLAS, FR

[71] NEOLID, FR

[85] 2015-10-09

[86] 2014-04-10 (PCT/IB2014/060620)

[87] (WO2014/170805)

[30] FR (13 53419) 2013-04-16

[21] **2,909,399**  
[13] A1

[51] **Int.Cl. F03B 13/26 (2006.01) F03B 17/06 (2006.01)**

[25] EN

[54] **WATERMILL DEVICE AND METHOD OF GENERATING ELECTRICAL ENERGY BY MEANS OF SUCH A DEVICE**

[54] **DISPOSITIF DE MOULIN A EAU ET PROCEDE DE GENERATION D'ENERGIE ELECTRIQUE AU MOYEN D'UN TEL DISPOSITIF**

[72] ORIJ, JACOBUS JOHANNES, NL

[71] ORYON CONSULTANCY & DEVELOPMENT, NL

[85] 2015-10-09

[86] 2013-04-11 (PCT/NL2013/000022)

[87] (WO2013/154421)

[30] NL (2008624) 2012-04-11

[21] **2,909,400**  
[13] A1

[51] **Int.Cl. C07C 311/20 (2006.01) A61K 31/196 (2006.01) A61K 31/40 (2006.01) A61K 31/451 (2006.01) A61K 31/4545 (2006.01) A61P 3/00 (2006.01) A61P 7/00 (2006.01) C07D 213/75 (2006.01) C07D 213/82 (2006.01) C07D 295/14 (2006.01)**

[25] EN

[54] **DICARBOXYLIC ACID COMPOUND**

[54] **COMPOSE ACIDE DICARBOXYLIQUE**

[72] UTO, YOSHIKAZU, JP

[72] KATO, MIKIO, JP

[72] TAKAHASHI, HIDENORI, JP

[72] OGAWA, YASUYUKI, JP

[72] IWAMOTO, OSAMU, JP

[72] KONO, HIROKO, JP

[72] AOKI, KAZUMASA, JP

[71] DAIICHI SANKYO COMPANY, LIMITED, JP

[85] 2015-10-13

[86] 2014-04-23 (PCT/JP2014/061390)

[87] (WO2014/175317)

[30] JP (2013-091090) 2013-04-24

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[13] A1

[51] **Int.Cl. G10L 19/005 (2013.01) G10L 21/0208 (2013.01)**  
[25] FR  
[54] **FRAME LOSS CORRECTION BY WEIGHTED NOISE INJECTION**  
[54] **CORRECTION DE PERTE DE TRAME PAR INJECTION DE BRUIT PONDERE**  
[72] DANIEL, JEROME, FR  
[72] FAURE, JULIEN, FR  
[71] ORANGE, FR  
[85] 2015-10-13  
[86] 2014-04-17 (PCT/FR2014/050945)  
[87] (WO2014/170617)  
[30] FR (1353551) 2013-04-18

[21] **2,909,402**  
[13] A1

[51] **Int.Cl. E04B 1/06 (2006.01) E04B 1/10 (2006.01) E04B 1/18 (2006.01) E04B 1/22 (2006.01) E04B 5/12 (2006.01) E04B 5/16 (2006.01) E04C 1/40 (2006.01) E04C 2/10 (2006.01) E04C 2/26 (2006.01) E04C 2/38 (2006.01) E04C 2/42 (2006.01) E04C 3/12 (2006.01) E04C 3/18 (2006.01) E04C 3/26 (2006.01) E04C 3/28 (2006.01) E04C 3/29 (2006.01) E04C 3/293 (2006.01) E04C 5/08 (2006.01) E04C 5/12 (2006.01) E04C 5/20 (2006.01)**  
[25] EN  
[54] **PRE-STRESSED BEAMS OR PANELS**  
[54] **BARRES OU PANNEAUX PRECONTRAINTE(S)**  
[72] PALERMO, ALESSANDRO, NZ  
[72] PAMPANIN, STEFANO, NZ  
[71] UNIVERSITY OF CANTERBURY, NZ  
[85] 2015-10-09  
[86] 2014-05-06 (PCT/NZ2014/000081)  
[87] (WO2014/182178)  
[30] US (61/819,724) 2013-05-06

[21] **2,909,403**  
[13] A1

[51] **Int.Cl. C02F 3/30 (2006.01)**  
[25] EN  
[54] **PROCESS FOR BIOLOGICAL REMOVAL OF NITROGEN FROM WASTEWATER**  
[54] **PROCEDE D'ELIMINATION BIOLOGIQUE DE L'AZOTE D'UNE EAU USEE**  
[72] HENDRICKX, TIM LUCAS GEORGE, NL  
[72] LOTTI, TOMMASO, NL  
[72] VAN LOOSDRECHT, MARINUS CORNELIS MARIA, NL  
[72] KRUIT, JANS, NL  
[71] PAQUES I.P. B.V., NL  
[85] 2015-10-13  
[86] 2014-04-03 (PCT/NL2014/050204)  
[87] (WO2014/171819)  
[30] EP (13163989.0) 2013-04-16

[21] **2,909,404**  
[13] A1

[51] **Int.Cl. G01N 33/34 (2006.01) G01B 11/00 (2006.01) G01N 21/00 (2006.01) G06T 7/40 (2006.01)**  
[25] EN  
[54] **METHOD AND ARRANGEMENT FOR DETECTING FREE FIBRE ENDS IN PAPER**  
[54] **PROCEDE ET AGENCEMENT DE DETECTION D'EXTREMITES LIBRES DE FIBRE DANS DU PAPIER**  
[72] RAUNIO, JUKKA-PEKKA, FI  
[72] MAKINEN, MIKKO, FI  
[72] SKOOG, HENRY, US  
[72] CAMPBELL, CLAYTON, US  
[71] KEMIRA OYJ, FI  
[85] 2015-10-13  
[86] 2014-05-09 (PCT/FI2014/050344)  
[87] (WO2014/181044)  
[30] FI (20135483) 2013-05-10

[21] **2,909,405**  
[13] A1

[51] **Int.Cl. C01B 33/20 (2006.01) B01J 13/00 (2006.01) B01J 21/06 (2006.01) C02F 1/28 (2006.01)**  
[25] EN  
[54] **TITANIUM STANNATE SILICATE, METHOD OF PREPARATION AND USE THEREOF**  
[54] **STANNOSILICATE DE TITANE, PROCEDE DE PREPARATION ET UTILISATION CORRESPONDANTE**  
[72] BRANDTS, JIM ALOYSIUS MARIA, NL  
[71] BASF CORPORATION, US  
[85] 2015-10-09  
[86] 2014-04-10 (PCT/IB2014/060621)  
[87] (WO2014/167524)  
[30] EP (13163288.7) 2013-04-11

[21] **2,909,406**  
[13] A1

[51] **Int.Cl. D21C 9/08 (2006.01) D21H 17/10 (2006.01) D21H 17/43 (2006.01) D21H 17/66 (2006.01) D21H 21/02 (2006.01)**  
[25] EN  
[54] **ANTISCALANT COMPOSITION AND ITS USE**  
[54] **COMPOSITION ANTI-TARTRE ET SON UTILISATION**  
[72] PUUPPONEN, SALLA, FI  
[72] KONN, JONAS, FI  
[71] KEMIRA OYJ, FI  
[85] 2015-10-13  
[86] 2014-05-20 (PCT/FI2014/050380)  
[87] (WO2014/188067)  
[30] FI (20135537) 2013-05-20

[21] **2,909,407**  
[13] A1

[51] **Int.Cl. C10B 53/02 (2006.01) C10L 5/44 (2006.01)**  
[25] EN  
[54] **TORREFACTION PROCESS**  
[54] **PROCEDE DE TORREFACTION**  
[72] RAUTIALINEN, ERKKI, CA  
[71] DIACARBON TECHNOLOGIES INC., CA  
[85] 2015-10-13  
[86] 2014-04-09 (PCT/CA2014/050364)  
[87] (WO2014/165995)  
[30] US (61/810,191) 2013-04-09

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[13] A1

[51] **Int.Cl. H01R 9/26 (2006.01) H01R 31/08 (2006.01)**  
[25] EN  
[54] **TERMINAL AND DISCONNECTION LINK**  
[54] **BORNE ET LIAISON DE DECONNEXION**  
[72] PEACH, PHILIP LOUIS, AU  
[71] PIVOT ELECTRONICS PTY LTD, AU  
[85] 2015-10-14  
[86] 2014-04-15 (PCT/AU2014/000441)  
[87] (WO2014/169339)  
[30] AU (2013901323) 2013-04-16

[21] **2,909,409**  
[13] A1

[51] **Int.Cl. A23L 1/00 (2006.01) A61K 35/00 (2006.01)**  
[25] EN  
[54] **USE OF A COMPOSITION COMPRISING FISH OIL AND JUICE FOR THE TREATMENT AND/OR POST TREATMENT OF CANCER**  
[54] **UTILISATION D'UNE COMPOSITION COMPRENANT DE L'HUILE DE POISSON ET DU JUS POUR LE TRAITEMENT ET/OU LE POST-TRAITEMENT DU CANCER**  
[72] MATHISEN, JANNE SANDE, NO  
[71] SMARTFISH AS, NO  
[85] 2015-10-13  
[86] 2014-04-22 (PCT/NO2014/050061)  
[87] (WO2014/175748)  
[30] NO (20130552) 2013-04-22

[21] **2,909,410**  
[13] A1

[51] **Int.Cl. A61B 5/107 (2006.01) A61B 6/03 (2006.01) G06F 19/00 (2011.01) H04R 25/02 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR AUDITORY CANAL MEASURING, FACIAL CONTOURING**  
[54] **SYSTEME ET PROCEDE DE MESURE DU CANAL AUDITIF ET DE REMODELAGE DES CONTOURS DU VISAGE**  
[72] CHAN, BENJAMIN, CA  
[72] HO, STEPHEN KUN CHUNG, CA  
[72] HO, STEPHEN KUN CHUNG, CA  
[71] CHAN, BENJAMIN, CA  
[71] HO, STEPHEN KUN CHUNG, CA  
[85] 2015-10-14  
[86] 2014-04-15 (PCT/CA2014/000350)  
[87] (WO2014/169372)  
[30] US (61/812,101) 2013-04-15

[21] **2,909,411**  
[13] A1

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/4178 (2006.01) A61K 31/4184 (2006.01) A61K 31/427 (2006.01) A61K 31/428 (2006.01) A61P 1/16 (2006.01) A61P 3/10 (2006.01) A61P 7/06 (2006.01) A61P 9/00 (2006.01) A61P 25/28 (2006.01) A61P 25/32 (2006.01) A61P 31/00 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) A61P 39/06 (2006.01) A61P 43/00 (2006.01) C07D 417/12 (2006.01)**  
[25] EN  
[54] **DICARBOXYLIC ACID BISAMIDE DERIVATIVES, USE THEREOF, PHARMACEUTICAL COMPOSITION BASED THEREON AND METHODS FOR PRODUCING DICARBOXYLIC ACID BISAMIDE DERIVATIVES**  
[54] **DERIVES DE BISAMIDES D'ACIDES DICARBONNIQUES, LEUR UTILISATION, COMPOSITION PHARMACEUTIQUE SUR LEUR BASE ET PROCEDES DE FABRICATION**  
[72] NEBOLSIN, VLADIMIR EVGENIEVICH, RU  
[72] KROMOVA, TATYANA ALEXANDROVNA, RU  
[72] ZHELTUKHINA, GALINA ALEXANDROVNA, RU  
[71] OBSHESTVO S OGRANICHENNOI OTVETSTVENNOSTIYU "PHARMENTERPRISES", RU  
[85] 2015-10-09  
[86] 2014-04-10 (PCT/RU2014/000265)  
[87] (WO2014/168523)  
[30] RU (2013116822) 2013-04-12

[21] **2,909,412**  
[13] A1

[51] **Int.Cl. A61C 19/00 (2006.01) G06T 19/00 (2011.01) A61C 19/04 (2006.01) G06F 19/00 (2011.01) G09B 23/28 (2006.01)**  
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[54] **ELECTRONIC DENTAL CHARTING**  
[54] **REFERENCEMENT DENTAIRE ELECTRONIQUE**  
[72] BADAWI, HISHAM, CA  
[71] BADAWI, HISHAM, CA  
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[86] 2014-04-24 (PCT/CA2014/000373)  
[87] (WO2014/172781)  
[30] US (61/816,332) 2013-04-26

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[21] **2,909,413**  
[13] A1

[51] **Int.Cl. G06N 5/00 (2006.01) B64F 5/00 (2006.01) G06N 5/04 (2006.01) G06Q 50/10 (2012.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR TROUBLESHOOTING PROBLEMS IN COMPLEX SYSTEMS USING MULTIPLE KNOWLEDGBASES**

[54] **PROCEDES ET SYSTEMES POUR RECHERCHER DES PROBLEMES DANS DES SYSTEMES COMPLEXES A L'AIDE DE MULTIPLES BASES DE CONNAISSANCES**

[72] LANGLEY, ALAN MARK, CA  
[72] D'EON, PHILLIP ANDREW, CA  
[72] HAN, MATIJA, CA  
[72] FRAIMOVICH, EVGENY, CA  
[71] CASEBANK TECHNOLOGIES INC., CA  
[85] 2015-10-13  
[86] 2015-03-27 (PCT/CA2015/000188)  
[87] (WO2015/143545)  
[30] US (61/971,722) 2014-03-28

[21] **2,909,414**  
[13] A1

[51] **Int.Cl. E21B 23/04 (2006.01) E21B 23/06 (2006.01)**

[25] EN

[54] **DOWNHOLE APPARATUS**

[54] **APPAREIL DE FOND DE Puits**

[72] MACLEOD, IAIN MORRISON, GB  
[72] FRASER, ANDREW, GB  
[72] ELRICK, ANDREW JOHN, GB  
[71] ISLE TOOLS LIMITED, GB  
[85] 2015-10-13  
[86] 2014-04-09 (PCT/GB2014/051112)  
[87] (WO2014/170640)  
[30] GB (1306838.2) 2013-04-15

[21] **2,909,416**  
[13] A1

[51] **Int.Cl. F16G 11/04 (2006.01) B60P 7/06 (2006.01) F16G 11/10 (2006.01)**

[25] EN

[54] **A CORD FIXTURE**

[54] **ACCESSOIRE POUR CORDE**

[72] BREEN, GRAEME, AU  
[72] PLANT, BENJAMIN CHARLES, AU  
[71] TULLI PTY LTD, AU  
[85] 2015-10-13  
[86] 2014-04-10 (PCT/AU2014/000392)  
[87] (WO2014/165918)  
[30] AU (2013204064) 2013-04-11

[21] **2,909,417**  
[13] A1

[51] **Int.Cl. A43B 7/14 (2006.01) A41B 11/00 (2006.01) A61F 5/01 (2006.01)**

[25] EN

[54] **ORTHOTIC FOOT SUPPORT**

[54] **SUPPORT DE PIED D'ORTHESE**

[72] SAWLE, LEANNE, GB  
[72] MATTHEWS, MARTIN, GB  
[71] DM ORTHOTICS LIMITED, GB  
[85] 2015-10-13  
[86] 2014-04-15 (PCT/GB2014/051175)  
[87] (WO2014/170660)  
[30] GB (1306884.6) 2013-04-16

[21] **2,909,418**  
[13] A1

[51] **Int.Cl. C07J 1/00 (2006.01) A61K 31/565 (2006.01) C07J 75/00 (2006.01)**

[25] EN

[54] **ESTER DERIVATIVE OF 7-ALPHA-[9-(4,4,5,5,5-PENTAFLUOROPENTYLSULPHINYL)NONYL]OESTRA-1,3,5(10)-TRIENE-3,17BETA-DIOL HAVING ANTITUMOUR ACTIVITY AND PREPARATION METHOD THEREOF**

[54] **DERIVE ESTER DU 7-ALPHA-[9-(4,4,5,5,5-PENTAFLUOROPENTYLSULPHINYL)NONYL]OESTRA-1,3,5(10)-TRIENE-3,17-BETA-DIOL POSSEDANT UNE ACTIVITE ANTITUMORALE ET PROCEDE DE PREPARATION CORRESPONDANT**

[72] JIAO, YAQI, CN  
[72] WANG, JIUCHENG, CN  
[72] HU, RENLE, CN  
[71] XI'AN LIBANG PHARMACEUTICAL TECHNOLOGY CO., LTD., CN  
[85] 2015-10-14  
[86] 2013-04-18 (PCT/CN2013/074363)  
[87] (WO2014/169462)

[21] **2,909,419**  
[13] A1

[51] **Int.Cl. A61K 31/565 (2006.01) A61P 5/30 (2006.01) A61P 19/02 (2006.01)**

[25] EN

[54] **USE OF 7-ALPHA-[9-(4,4,5,5,5-PENTAFLUOROPENTYLSULFINYL)NONYL]-ESTRA-1,3,5(10)-TRIENE-3,17BETA-DIOL AND DERIVATIVES THEREOF**

[54] **UTILISATION DE 7-A-[9-(4,4,5,5,5-PENTAFLURO-PENTYL-SULFINYL)NONYL]-ESTRA-1,3,5(10)-TRIENE-3,17B-DIOL ET DE SES DERIVES**

[72] JIAO, YAQI, CN  
[72] WANG, JIUCHENG, CN  
[72] HU, RENLE, CN  
[71] XI'AN LIBANG PHARMACEUTICAL TECHNOLOGY CO., LTD., CN  
[85] 2015-10-14  
[86] 2013-04-18 (PCT/CN2013/074346)  
[87] (WO2014/169456)

[21] **2,909,420**  
[13] A1

[51] **Int.Cl. C12M 3/00 (2006.01) C12N 5/071 (2010.01) A61L 27/38 (2006.01) A61M 1/14 (2006.01)**

[25] EN

[54] **BIOARTIFICIAL FILTRATION ORGAN**

[54] **ORGANE DE FILTRATION BIO-ARTIFICIEL**

[72] OTT, HARALD C., US  
[71] THE GENERAL HOSPITAL CORPORATION, US  
[85] 2015-10-13  
[86] 2013-03-15 (PCT/US2013/031874)  
[87] (WO2013/158283)  
[30] US (61/635,043) 2012-04-18

[21] **2,909,421**  
[13] A1

[51] **Int.Cl. E05F 1/12 (2006.01) E05D 5/06 (2006.01) E05D 7/00 (2006.01) E05D 11/08 (2006.01) E05F 3/20 (2006.01)**

[25] EN

[54] **HINGE**

[54] **CHARNIERE**

[72] STUART, MICHAEL CHRISTOPHER, AU  
[71] STUART, MICHAEL CHRISTOPHER, AU  
[85] 2015-10-13  
[86] 2014-04-15 (PCT/AU2014/000432)  
[87] (WO2014/169333)  
[30] AU (2013901292) 2013-04-15

[21] **2,909,421**  
[13] A1

[51] **Int.Cl. E05F 1/12 (2006.01) E05D 5/06 (2006.01) E05D 7/00 (2006.01) E05D 11/08 (2006.01) E05F 3/20 (2006.01)**

[25] EN

[54] **HINGE**

[54] **CHARNIERE**

[72] STUART, MICHAEL CHRISTOPHER, AU  
[71] STUART, MICHAEL CHRISTOPHER, AU  
[85] 2015-10-13  
[86] 2014-04-15 (PCT/AU2014/000432)  
[87] (WO2014/169333)  
[30] AU (2013901292) 2013-04-15

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[13] A1

[51] **Int.Cl. C12N 5/00 (2006.01) C12N 5/071 (2010.01) C12N 5/078 (2010.01) A61K 35/48 (2015.01) G01N 33/569 (2006.01)**

[25] EN  
[54] **METHODS OF CELL SEPARATION**  
[54] **PROCEDES DE SEPARATION DE CELLULES**

[72] DREW, JEFFREY, GB  
[71] CELLS4LIFE GROUP LLP, GB  
[85] 2015-10-13  
[86] 2014-04-15 (PCT/GB2014/051177)  
[87] (WO2014/170662)  
[30] GB (1306810.1) 2013-04-15

[21] **2,909,423**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 17/02 (2006.01)**

[25] EN  
[54] **DOWNHOLE ADJUSTABLE STEAM INJECTION MANDREL**  
[54] **MANDRIN D'INJECTION DE VAPEUR REGLABLE POUR TROU DESCENDANT**

[72] WILLIAMSON, JIMMIE ROBERT, JR., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-13  
[86] 2013-05-15 (PCT/US2013/041219)  
[87] (WO2014/185907)

[21] **2,909,424**  
[13] A1

[51] **Int.Cl. C01B 3/02 (2006.01) C01B 3/48 (2006.01)**

[25] EN  
[54] **VENT LINE FOR USE IN AMMONIA AND HYDROGEN PLANTS**  
[54] **CONDUITE D'AERATION S'UTILISANT DANS DES INSTALLATIONS DE FABRICATION D'AMMONIAC OU D'HYDROGENE**

[72] ANDERSEN, NIELS ULRIK, DK  
[72] SPETH, CHRISTIAN, DK  
[71] HALDOR TOPSOE A/S, DK  
[85] 2015-10-14  
[86] 2014-04-16 (PCT/EP2014/057768)  
[87] (WO2014/180641)  
[30] DK (PA 2013 00283) 2013-05-10

[21] **2,909,426**  
[13] A1

[51] **Int.Cl. A23L 1/025 (2006.01) A23F 5/00 (2006.01) A23L 1/00 (2006.01) A23L 2/54 (2006.01)**

[25] EN  
[54] **READY TO DRINK BEVERAGES WITH FOAM FORMED BY MICROWAVE ENERGY**  
[54] **BOISSONS PRETES A BOIRE AVEC MOUSSE FORMEE PAR ENERGIE MICROONDES**

[72] SHER, ALEXANDER, US  
[72] CILLIERS, CORIETHA, US  
[72] ALAHVERDZHIEVA, VENETA, CH  
[72] FU, JUN-TSE, US  
[72] SAHAI, DEEPAK, US  
[71] NESTEC S.A., CH  
[85] 2015-10-13  
[86] 2013-06-19 (PCT/US2013/046607)  
[87] (WO2014/204454)

[21] **2,909,427**  
[13] A1

[51] **Int.Cl. C09K 8/32 (2006.01) C09K 8/035 (2006.01)**

[25] EN  
[54] **A THERMALLY-ACTIVATED GELLANT FOR AN OIL OR GAS TREATMENT FLUID**  
[54] **GELIFIANT ACTIVITE DE FACON THERMIQUE POUR UN TRAITEMENT DE PETROLE ET DE GAZ**

[72] MILLER, MATTHEW L., US  
[72] DEVILLE, JAY P., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-13  
[86] 2014-02-17 (PCT/US2014/016727)  
[87] (WO2014/186013)  
[30] US (13/895,902) 2013-05-16

[21] **2,909,428**  
[13] A1

[51] **Int.Cl. G06Q 20/02 (2012.01) G06Q 20/40 (2012.01)**

[25] EN  
[54] **METHOD AND SYSTEM FOR ACTIVATING CREDENTIALS**  
[54] **PROCEDE ET SYSTEME PERMETTANT D'ACTIVER DES AUTHENTIFIANTS**

[72] CARPENTER, PAUL MICHAEL, GB  
[72] SUMPSTER, JONATHAN PAUL, GB  
[72] THOMPSON, ANDREW PAUL, GB  
[72] ABRATHAT, CHRISTOPHER IAN, GB  
[72] RUSCA, JONATHAN, GB  
[72] LACOUR, JEAN-CHRISTOPHE GILBERT, GB  
[72] PHILPOTTS, MICHAEL RONALD, GB  
[71] VISA EUROPE LIMITED, GB  
[85] 2015-10-14  
[86] 2014-04-15 (PCT/GB2014/051186)  
[87] (WO2014/170669)  
[30] GB (1306836.6) 2013-04-15

[21] **2,909,429**  
[13] A1

[51] **Int.Cl. B64D 11/06 (2006.01) B64D 25/04 (2006.01)**

[25] EN  
[54] **LEG RESTRAINT DEVICE FOR SIDE-SEATED VEHICLE OCCUPANTS**  
[54] **DISPOSITIF DE RETENUE DE JAMBE POUR DES PASSAGERS DE VEHICULE ASSIS LES UNS A COTE DES AUTRES**

[72] MEISTER, PETE C., US  
[72] FARVET, MICHAEL J., US  
[71] B/E AEROSPACE, INC., US  
[85] 2015-10-13  
[86] 2013-07-16 (PCT/US2013/050649)  
[87] (WO2014/193425)  
[30] US (13/907,079) 2013-05-31

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[21] **2,909,430**  
[13] A1

[51] **Int.Cl. E06B 1/24 (2006.01)**  
[25] EN  
[54] **ONE-PIECE FRAMING DEVICE FOR A WINDOW-TYPE OPENING, METHOD FOR THE INSTALLATION THEREOF AND PRODUCTION METHOD THEREOF**  
[54] **DISPOSITIF D'ENCADREMENT MONOBLOC POUR OUVERTURE DE TYPE FENETRE, SON PROCEDE D'INSTALLATION ET SON PROCEDE DE FABRICATION**  
[72] DURAND, JULIEN, FR  
[71] DURAND, JULIEN, FR  
[85] 2015-10-08  
[86] 2014-03-21 (PCT/EP2014/055734)  
[87] (WO2014/166721)  
[30] FR (1353131) 2013-04-08

[21] **2,909,431**  
[13] A1

[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/12 (2006.01) A61K 31/137 (2006.01)**  
[25] EN  
[54] **COMPOSITION COMPRISING SALBUTAMOL SULPHATE**  
[54] **COMPOSITION CONTENANT DU SULFATE DE SALBUTAMOL**  
[72] CORR, STUART, GB  
[72] NOAKES, TIMOTHY JAMES, GB  
[71] MEXICHEM AMANCO HOLDING S.A. DE C.V., MX  
[85] 2015-10-14  
[86] 2014-04-17 (PCT/GB2014/051221)  
[87] (WO2014/170689)  
[30] GB (1306984.4) 2013-04-17

[21] **2,909,433**  
[13] A1

[51] **Int.Cl. G05B 23/02 (2006.01)**  
[25] EN  
[54] **DIAGNOSING COMBINATIONS OF FAILURES IN A SYSTEM**  
[54] **DIAGNOSTIC DE COMBINAISONS DE DEFAILLANCES DANS UN SYSTEME**  
[72] BOVEY, RICHARD LEE, GB  
[72] SENALP, ERDEM TURKER, GB  
[71] BAE SYSTEMS PLC, GB  
[85] 2015-10-14  
[86] 2014-04-22 (PCT/GB2014/051236)  
[87] (WO2014/170695)  
[30] GB (1307099.0) 2013-04-19  
[30] EP (13275093.6) 2013-04-19

[21] **2,909,434**  
[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01) A61K 48/00 (2006.01) A61P 37/00 (2006.01) A61P 37/06 (2006.01)**  
[25] EN  
[54] **METHODS AND PHARMACEUTICAL COMPOSITIONS FOR INHIBITING LYMPHOCYTE PROLIFERATION IN A SUBJECT IN NEED THEREOF**  
[54] **METHODES ET COMPOSITIONS PHARMACEUTIQUES POUR INHIBER UNE PROLIFERATION DE LYMPHOCYTES CHEZ UN SUJET EN AYANT BESOIN**  
[72] LATOUR, SYLVAIN, FR  
[72] FISCHER, ALAIN, FR  
[72] MARTIN, EMMANUEL, FR  
[72] ARKWRIGHT, PETER, GB  
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR

[71] FONDATION IMAGINE, FR  
[71] UNIVERSITE PARIS DESCARTES, FR  
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS (APHP), FR  
[71] THE UNIVERSITY OF MANCHESTER, GB  
[85] 2015-10-14  
[86] 2014-04-17 (PCT/EP2014/057895)  
[87] (WO2014/170435)  
[30] EP (13305504.6) 2013-04-18

[21] **2,909,435**  
[13] A1

[51] **Int.Cl. C07C 1/00 (2006.01) C10G 2/00 (2006.01)**  
[25] EN  
[54] **PRODUCING HYDROCARBONS FROM CATALYTIC FISCHER-TROPSCH REACTOR**  
[54] **PRODUCTION D'HYDROCARBURES A PARTIR D'UN REACTEUR CATALYTIQUE DE FISCHER-TROPSCH**  
[72] ALLAM, RODNEY J., GB  
[71] GTLPETROL LLC, US  
[85] 2015-10-13  
[86] 2014-04-11 (PCT/US2014/033818)  
[87] (WO2014/169219)  
[30] US (61/811,589) 2013-04-12

[21] **2,909,436**  
[13] A1

[51] **Int.Cl. G06F 11/07 (2006.01) G06F 21/57 (2013.01)**  
[25] EN  
[54] **HOST RECOVERY USING A SECURE STORE**  
[54] **RECUPERATION D'HOTE EN UTILISANT UNE MEMOIRE SECURISEE**  
[72] POTLAPALLY, NACHIKETH RAO, US  
[72] CHAWLA, RACHIT, US  
[72] VOLKMAN, JEREMY RYAN, US  
[72] MARR, MICHAEL DAVID, US  
[71] AMAZON TECHNOLOGIES, INC., US  
[85] 2015-10-13  
[86] 2014-04-11 (PCT/US2014/033882)  
[87] (WO2014/172205)  
[30] US (13/862,923) 2013-04-15  
[30] US (13/863,296) 2013-04-15

[21] **2,909,437**  
[13] A1

[51] **Int.Cl. C09K 8/04 (2006.01) C09K 8/035 (2006.01)**  
[25] EN  
[54] **A METHOD OF TREATING A HIGH-TEMPERATURE WELL WITH A FLUID CONTAINING A VISCOSIFIER AND A STABILIZER PACKAGE**  
[54] **PROCEDE DE TRAITEMENT D'UN Puits A TEMPERATURE ELEVEE PAR UN FLUIDE CONTENANT UN AMELIORANT D'INDICE DE VISCOSITE ET UN ENSEMBLE DE STABILISANTS**  
[72] SURYAWANSHI, PRERANA U., IN  
[72] DANAIT, ACHALA V., IN  
[72] KALGAONKAR, RAJENDRA A., IN  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-13  
[86] 2014-02-17 (PCT/US2014/016742)  
[87] (WO2014/186014)  
[30] US (13/895,218) 2013-05-15



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[21] **2,909,438**  
[13] A1

[51] **Int.Cl. C12N 9/24 (2006.01)**  
[25] EN  
[54] **METHOD OF PRODUCTION OF MONOSACCHARIDES**  
[54] **PROCEDE DE PRODUCTION DE MONOSACCHARIDES**  
[72] IYAPPAN, SARAVANAKUMAR, IN  
[72] ROY, SAMIR KUMAR, IN  
[72] VARGHESE, SAJU, IN  
[72] ADDALA, APARNA DEVI, IN  
[72] KARTHIKEYAN, VENKATA NARAYANAN, IN  
[72] RAHUL RAJU, KANUMURU, IN  
[72] PANDEY, BANIBRATA, IN  
[71] AGTIVE BIO-SCIENCES PRIVATE LIMITED, IN  
[85] 2015-10-14  
[86] 2013-04-17 (PCT/IB2013/053038)  
[87] (WO2013/156939)  
[30] IN (1539/DEL/2012) 2012-04-17

[21] **2,909,439**  
[13] A1

[51] **Int.Cl. C01B 39/08 (2006.01) C01B 39/12 (2006.01) C01B 39/48 (2006.01)**  
[25] EN  
[54] **MOLECULAR SIEVE, COK-5, ITS SYNTHESIS AND USE**  
[54] **TAMIS MOLECULAIRE, COK-5, SA SYNTHÈSE ET SON UTILISATION**  
[72] BURTON, ALLEN W., US  
[71] EXXONMOBIL CHEMICAL PATENTS INC., US  
[85] 2015-10-13  
[86] 2014-03-04 (PCT/US2014/020140)  
[87] (WO2014/172024)  
[30] US (61/813,940) 2013-04-19  
[30] EP (13172271.2) 2013-06-17

[21] **2,909,440**  
[13] A1

[51] **Int.Cl. C12N 9/24 (2006.01)**  
[25] EN  
[54] **A METHOD OF PRODUCTION OF RARE DISACCHARIDES**  
[54] **PROCEDE DE PRODUCTION DE DISACCHARIDES RARES**  
[72] ROY, SAMIR KUMAR, IN  
[72] IYAPPAN, SARAVANAKUMAR, IN  
[72] VARGHESE, SAJU, IN  
[72] ADDALA, APARNA DEVI, IN  
[72] AGARWAL, MILKY, IN  
[72] RAHUL, RAJU KANUMURU, IN  
[72] PANDEY, BANIBRATA, IN  
[71] AGTIVE BIO-SCIENCES PRIVATE LIMITED, IN  
[85] 2015-10-14  
[86] 2013-04-17 (PCT/IB2013/053039)  
[87] (WO2013/156940)  
[30] IN (1538/CHE/2012) 2012-04-17

[21] **2,909,441**  
[13] A1

[51] **Int.Cl. H04R 1/02 (2006.01) H04R 3/00 (2006.01)**  
[25] EN  
[54] **DECORATIVE FLAT PANEL SOUND SYSTEM**  
[54] **SYSTEME AUDIO D'ECRAN PLAT DECORATIF**  
[72] HOSE, DAVID, US  
[72] COPPOM, SVEN, US  
[71] SOUNDWALL LLC, US  
[85] 2015-10-13  
[86] 2014-03-14 (PCT/US2014/029398)  
[87] (WO2014/153170)  
[30] US (61/786,051) 2013-03-14

[21] **2,909,442**  
[13] A1

[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4725 (2006.01) A61K 31/519 (2006.01) A61P 7/00 (2006.01) C07D 413/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**  
[25] EN  
[54] **N-PIPERIDIN-3-YLBENZAMIDE DERIVATIVES FOR TREATING CARDIOVASCULAR DISEASES**  
[54] **DERIVES DE N-PIPERIDIN-3-YLBENZAMIDE DANS LE TRAITEMENT DES MALADIES CARDIOVASCULAIRES**  
[72] DAROUT, ETZER, US  
[72] DULLEA, ROBERT, US  
[72] HAWKINS, JULIE JIA LI, US  
[72] LONDREGAN, ALLYN T., US  
[72] LORIA, PAULA M., US  
[72] MAGUIRE, BRUCE, US  
[72] MCCLURE, KIM F., US  
[72] PETERSEN, DONNA N., US  
[72] PIOTROWSKI, DAVID W., US  
[71] PFIZER INC., US  
[85] 2015-10-14  
[86] 2014-04-03 (PCT/IB2014/060407)  
[87] (WO2014/170786)  
[30] US (61/812,864) 2013-04-17  
[30] US (61/880,336) 2013-09-20  
[30] US (61/898,667) 2013-11-01

[21] **2,909,443**  
[13] A1

[51] **Int.Cl. C10G 31/06 (2006.01)**  
[25] EN  
[54] **PROCESS TO SEPARATE ALKALI METAL SALTS FROM ALKALI METAL REACTED HYDROCARBONS**  
[54] **PROCEDE POUR SEPARER DES SELS DE METAL ALCALIN D'HYDROCARBURES AYANT REAGI AVEC UN METAL ALCALIN**  
[72] GORDON, JOHN, US  
[72] ALVARE, JAVIER, US  
[72] LARSEN, DENNIS LEROY, US  
[72] KILLPACK, JEFF, US  
[71] FIELD UPGRADING LIMITED, CA  
[85] 2015-10-13  
[86] 2014-04-15 (PCT/US2014/034183)  
[87] (WO2014/172361)  
[30] US (61/812,057) 2013-04-15

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[13] A1

[51] **Int.Cl. A61B 5/0215 (2006.01) A61M 25/09 (2006.01)**

[25] EN

[54] **LOW-PROFILE VASCULAR PRESSURE MEASUREMENT DEVICE**

[54] **SYSTEMES ET PROCEDES POUR UN DISPOSITIF DE MESURE DE PRESSION VASCULAIRE A PROFIL BAS**

[72] STONE, ROBERT T., US  
[72] CHRISTIAN, JEFFREY J., US  
[72] PRZYGODA, DARIUS ADAM, US  
[72] TEO, TAT-JIN, US  
[71] SENSORCATH, INC., US  
[85] 2015-10-13  
[86] 2014-03-15 (PCT/US2014/030019)  
[87] (WO2014/168737)  
[30] US (13/840,505) 2013-03-15

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[21] **2,909,445**  
[13] A1

[51] **Int.Cl. H04N 19/30 (2014.01) H04N 19/46 (2014.01) H04N 19/88 (2014.01)**

[25] EN

[54] **HYBRID BACKWARD-COMPATIBLE SIGNAL ENCODING AND DECODING**

[54] **CODAGE ET DECODAGE DE SIGNAL RETRO-COMPATIBLE HYBRIDE**

[72] ROSSATO, LUCA, IT  
[72] MEARDI, GUIDO, IT  
[71] ROSSATO, LUCA, IT  
[71] MEARDI, GUIDO, IT  
[85] 2015-10-14  
[86] 2014-04-14 (PCT/IB2014/060716)  
[87] (WO2014/170819)  
[30] US (61/812,046) 2013-04-15

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[21] **2,909,446**  
[13] A1

[51] **Int.Cl. H04W 72/08 (2009.01) H04W 24/10 (2009.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR INTERFERENCE MANAGEMENT FOR DEVICE-TO-DEVICE COMMUNICATIONS**

[54] **PROCEDE ET SYSTEME DE GESTION DE BROUILLAGE DE COMMUNICATIONS DE DISPOSITIF A DISPOSITIF**

[72] YUAN, YIFEI, US  
[71] ZTE (USA) INC., US  
[85] 2015-10-13  
[86] 2014-04-16 (PCT/US2014/034324)  
[87] (WO2014/182412)  
[30] US (61/821,972) 2013-05-10

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[21] **2,909,447**  
[13] A1

[51] **Int.Cl. A41C 3/12 (2006.01) A41C 3/00 (2006.01) A41C 5/00 (2006.01)**

[25] EN

[54] **GARMENT PART, GARMENT INCORPORATING SUCH GARMENT PART AND METHOD OF MANUFACTURING SAME**

[54] **MORCEAU DE VETEMENT, VETEMENT COMPRENANT LEDIT MORCEAU DE VETEMENT ET PROCEDE DE FABRICATION ASSOCIE**

[72] YIP, KWAN YIN, CN  
[71] CLOVER MYSTIQUE CO. LIMITED, CN  
[85] 2015-10-14  
[86] 2014-05-21 (PCT/CN2014/078004)  
[87] (WO2014/190868)  
[30] US (13/907,299) 2013-05-31

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[21] **2,909,448**  
[13] A1

[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/337 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **COMBINATION OF A PI3 KINASE INHIBITOR WITH PACLITAXEL FOR USE IN THE TREATMENT OR PREVENTION OF A CANCER OF THE HEAD AND NECK**

[54] **COMBINAISON D'UN INHIBITEUR DE P13 KINASE ET DE PACLITAXEL A UTILISER DANS LE TRAITEMENT OU LA PREVENTION D'UN CANCER DE LA TETE ET DU COU**

[72] HIRAWAT, SAMIT, US  
[72] MASSACESI, CRISTIAN, FR  
[72] DI TOMASO, EMMANUELLE, US  
[71] NOVARTIS AG, CH  
[85] 2015-10-14  
[86] 2014-05-06 (PCT/IB2014/061239)  
[87] (WO2014/181252)  
[30] FR (13/54211) 2013-05-07

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[21] **2,909,449**  
[13] A1

[51] **Int.Cl. A61L 31/08 (2006.01) A61F 2/16 (2006.01) A61L 31/06 (2006.01) B05D 1/18 (2006.01) B05D 3/00 (2006.01) B05D 3/10 (2006.01)**

[25] EN

[54] **INJECTOR CARTRIDGE WITH IMPROVED LUBRICITY**

[54] **CARTOUCHE D'INJECTEUR AYANT UN POUVOIR LUBRIFIANT AMELIORE**

[72] OSSIPOV, ALEXEI, US  
[72] PAUL, THOMAS R., US  
[71] STAAR SURGICAL COMPANY, US  
[85] 2015-10-13  
[86] 2014-04-17 (PCT/US2014/034501)  
[87] (WO2014/172542)  
[30] US (61/814,100) 2013-04-19  
[30] US (61/947,925) 2014-03-04  
[30] US (14/254,746) 2014-04-16

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[13] A1

[51] **Int.Cl. D04H 1/42 (2012.01) D04H 3/007 (2012.01) D04H 3/009 (2012.01) D04H 3/013 (2012.01) D01F 1/10 (2006.01) D01F 2/00 (2006.01) D04H 1/02 (2006.01) D04H 1/06 (2012.01) D04H 3/00 (2012.01) D04H 3/16 (2006.01)**

[25] EN  
[54] **FIBROUS STRUCTURES EXHIBITING IMPROVED WHITENESS INDEX VALUES**

[54] **STRUCTURES FIBREUSES PRESENTANT DES VALEURS D'INDICE DE BLANCHEUR AMELIOREES**

[72] GORDON, GREGORY CHARLES, US  
[72] THOMAS, JACQUELINE BESINAIZ, US  
[72] SUSZCZYNSKY-MEISTER, ELAINE MARIE, US  
[72] MIRACLE, GREGORY SCOT, US  
[72] SIVIK, MARK, ROBERT, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-13  
[86] 2014-03-31 (PCT/US2014/032346)  
[87] (WO2014/168775)  
[30] US (61/811,279) 2013-04-12

[21] **2,909,451**  
[13] A1

[51] **Int.Cl. G01V 9/00 (2006.01) E21B 47/00 (2012.01)**

[25] EN  
[54] **SYSTEM AND METHOD FOR AUTOMATICALLY CORRELATING GEOLOGIC TOPS**

[54] **SYSTEME ET PROCEDE POUR LA CORRELATION AUTOMATIQUE DE TOITS DE FORMATIONS**

[72] GRANT, CHRIS, US  
[72] WITTE, DEAN C., US  
[71] DRILLING INFO, INC., US  
[85] 2015-10-13  
[86] 2014-04-17 (PCT/US2014/034546)  
[87] (WO2014/172565)  
[30] US (61/813,124) 2013-04-17  
[30] US (14/254,718) 2014-04-16

[21] **2,909,452**  
[13] A1

[51] **Int.Cl. G03B 21/56 (2006.01) B06B 1/04 (2006.01) G02B 27/48 (2006.01)**

[25] EN  
[54] **METHODS AND SYSTEMS OF VIBRATING A SCREEN**

[54] **PROCEDES ET SYSTEMES POUR FAIRE VIBRER UN ECRAN**

[72] KOMARNYCKY, OLIVER NICHOLAS, CA  
[72] HERATI, HAMED, CA  
[72] TREMBLAY, DENIS GILLES, CA  
[71] IMAX EUROPE SA, BE  
[85] 2015-10-14  
[86] 2014-05-09 (PCT/IB2014/061331)  
[87] (WO2014/181306)  
[30] US (61/821,311) 2013-05-09

[21] **2,909,453**  
[13] A1

[51] **Int.Cl. D01F 1/10 (2006.01) B32B 5/02 (2006.01) D01F 2/00 (2006.01) D01F 2/24 (2006.01) D01F 6/94 (2006.01) D01F 9/00 (2006.01)**

[25] EN  
[54] **HYDROXYL POLYMER FIBER STRUCTURES COMPRISING AMMONIUM ALKYL SULFONATE SALTS AND METHODS FOR MAKING SAME**

[54] **STRUCTURES A FIBRES DE POLYMERES HYDROXYLES COMPRENANT DES SELS DE SULFONATE D'ALKYLE D'AMMONIUM ET PROCEDES DE FABRICATION CORRESPONDANTS**

[72] HEINZMAN, STEPHEN WAYNE, US  
[72] WOODS, BROOKE MARIE, US  
[72] BOWLES, JEFFREY ALLEN, US  
[72] THOMAS, JACQUELINE BESINAIZ, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-13  
[86] 2014-03-31 (PCT/US2014/032347)  
[87] (WO2014/168776)  
[30] US (61/811,298) 2013-04-12

[21] **2,909,455**  
[13] A1

[51] **Int.Cl. F16L 55/165 (2006.01) B29C 63/36 (2006.01) F16L 55/179 (2006.01) E03F 3/06 (2006.01)**

[25] EN  
[54] **METHOD AND APPARATUS FOR REPAIRING MAIN AND LATERAL PIPES**

[54] **PROCEDE ET APPAREIL PERMETTANT DE REPARER DES CANALISATIONS PRINCIPALES ET LATERALES**

[72] MATHEY, JASON M., US  
[72] KIEST, LARRY W., JR., US  
[71] LMK TECHNOLOGIES, LLC, US  
[85] 2015-10-13  
[86] 2014-04-18 (PCT/US2014/034666)  
[87] (WO2014/172647)  
[30] US (61/813,254) 2013-04-18

[21] **2,909,456**  
[13] A1

[51] **Int.Cl. B25B 15/04 (2006.01) B25B 13/46 (2006.01) B25B 21/00 (2006.01)**

[25] EN  
[54] **RATCHET MECHANISM**

[54] **MECANISME DE ROCHET**

[72] DOHOGNE, DENNIS A., US  
[71] IL7!, LLC, US  
[85] 2015-10-13  
[86] 2014-04-04 (PCT/US2014/032913)  
[87] (WO2014/172117)  
[30] US (13/862,550) 2013-04-15

[21] **2,909,458**  
[13] A1

[51] **Int.Cl. D01F 9/00 (2006.01) C08L 3/00 (2006.01) D01F 2/00 (2006.01)**

[25] EN  
[54] **FIBROUS STRUCTURES COMPRISING POLYSACCHARIDE FILAMENTS**

[54] **STRUCTURES FIBREUSES COMPRENANT DES FILAMENTS POLYSACCHARIDIQUES**

[72] MCKEE, MATTHEW GARY, US  
[72] KLEINWAECHTER, JOERG, US  
[72] REYNOLDS, GEOFFREY WILLIAM, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-13  
[86] 2014-04-08 (PCT/US2014/033320)  
[87] (WO2014/168942)  
[30] US (61/811,305) 2013-04-12

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[21] **2,909,460**  
[13] A1

[51] **Int.Cl. G07C 5/08 (2006.01)**  
[25] EN  
[54] **WHEELED VEHICLE EVENT DATA RECORDER FORENSIC RECOVERY AND PRESERVATION SYSTEM**  
[54] **SYSTEME DE RECUPERATION ET DE CONSERVATION LEGALE D'ENREGISTREUR DE DONNEES D'EVENEMENT DE VEHICULE A ROUES**  
[72] DAILY, JEREMY, US  
[72] JOHNSON, JAMES, US  
[72] KONGS, ANDREW, US  
[72] CORCEGA, JOSE, US  
[71] THE UNIVERSITY OF TULSA, US  
[85] 2015-10-13  
[86] 2014-04-10 (PCT/US2014/033634)  
[87] (WO2014/169112)  
[30] US (61/811,004) 2013-04-11

[21] **2,909,464**  
[13] A1

[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/517 (2006.01) A61P 29/00 (2006.01) C07D 413/04 (2006.01) C07D 495/04 (2006.01)**  
[25] EN  
[54] **SUBSTITUTED CONDENSED PYRIMIDINE COMPOUNDS**  
[54] **COMPOSES DE PYRIMIDINE CONDENSES SUBSTITUES**  
[72] KONETZKI, INGO, DE  
[72] JAKOB, FLORIAN, DE  
[72] CRAAN, TOBIAS, DE  
[72] HESSLINGER, CHRISTIAN, DE  
[72] RATCLIFFE, PAUL, DE  
[72] NARDI, ANTONIO, DE  
[71] GRUNENTHAL GMBH, DE  
[85] 2015-10-14  
[86] 2014-04-15 (PCT/EP2014/001013)  
[87] (WO2014/170020)  
[30] EP (13001993.8) 2013-04-16

[21] **2,909,466**  
[13] A1

[51] **Int.Cl. A23C 9/123 (2006.01) A23C 9/127 (2006.01) C12N 1/20 (2006.01)**  
[25] EN  
[54] **LIQUID FOOD PRODUCT COMPRISING GRANULES WITH HEAT AND HUMIDITY RESISTING PROBIOTIC BACTERIA**  
[54] **PRODUIT ALIMENTAIRE LIQUIDE CONTENANT DES GRANULES A BACTERIES PROBIOTIQUES RESISTANT A LA CHALEUR ET A L'HUMIDITE**  
[72] PENHASI, ADEL, IL  
[71] DEGAMA SMART LTD., KY  
[85] 2015-10-14  
[86] 2014-04-19 (PCT/IL2014/050368)  
[87] (WO2014/170904)  
[30] US (61/813,663) 2013-04-19

[21] **2,909,461**  
[13] A1

[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/02 (2006.01)**  
[25] EN  
[54] **DRILL BIT WITH EXTENDABLE GAUGE PADS**  
[54] **TREPAN DOTE DE PLAQUETTES DE CALIBRAGE DEPLOYABLES**  
[72] IZBINSKI, KONRAD, US  
[71] BAKER HUGHES INCORPORATED, US  
[85] 2015-10-13  
[86] 2014-04-11 (PCT/US2014/033728)  
[87] (WO2014/169168)  
[30] US (13/861,870) 2013-04-12

[21] **2,909,465**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **VARIABLE SEARCH QUERY VERTICAL ACCESS**  
[54] **ACCES VERTICAL A UNE DEMANDE DE RECHERCHE VARIABLE**  
[72] SANKAR, SRIRAM, US  
[72] DHAMDHERE, KEDAR, US  
[71] FACEBOOK, INC., US  
[85] 2015-10-13  
[86] 2014-04-24 (PCT/US2014/035219)  
[87] (WO2014/176387)  
[30] US (13/870,113) 2013-04-25

[21] **2,909,469**  
[13] A1

[51] **Int.Cl. B01J 20/34 (2006.01)**  
[25] EN  
[54] **A PROCESS FOR REGENERATING IONIC COMPOUND**  
[54] **PROCEDE DE REGENERATION D'UN COMPOSE IONIQUE**  
[72] ADURI, PAVANKUMAR, IN  
[72] UPPARA, PARASU VEERA, IN  
[72] KOTRA, VISWANATH, IN  
[72] SAKHALKAR, MANGESH, IN  
[72] DUKHANDE, VIBHUTI, IN  
[72] RAJE, VIVEK PRABHAKAR, IN  
[71] RELIANCE INDUSTRIES LIMITED, IN  
[85] 2015-10-14  
[86] 2014-04-21 (PCT/IN2014/000253)  
[87] (WO2014/184803)  
[30] IN (1457/MUM/2013) 2013-04-19

[21] **2,909,463**  
[13] A1

[51] **Int.Cl. A41C 3/02 (2006.01)**  
[25] EN  
[54] **GARMENT PART WITH FASTENING SYSTEM AND MANUFACTURING METHOD THEREOF**  
[54] **MORCEAU DE VETEMENT AVEC SYSTEME D'ATTACHE ET PROCEDE DE FABRICATION ASSOCIE**  
[72] YIP, KWAN YIN, CN  
[71] CLOVER MYSTIQUE CO. LIMITED, CN  
[85] 2015-10-14  
[86] 2014-04-30 (PCT/CN2014/076535)  
[87] (WO2014/190835)  
[30] US (13/907,299) 2013-05-31

[21] **2,909,470**  
[13] A1

[51] **Int.Cl. A61B 17/00 (2006.01)**  
[25] EN  
[54] **TISSUE STABILIZATION AND REPAIR DEVICE**  
[54] **DISPOSITIF DE STABILISATION ET DE REPARATION DE TISSU**  
[72] HISSONG, JAMES B., US  
[71] MEDTRONIC XOMED, INC., US  
[85] 2015-10-13  
[86] 2014-04-25 (PCT/US2014/035484)  
[87] (WO2014/176521)  
[30] US (13/871,826) 2013-04-26

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[13] A1

[51] **Int.Cl. B65B 1/38 (2006.01) A61J 3/07 (2006.01) B65B 1/36 (2006.01) G01F 11/10 (2006.01)**

[25] EN

[54] **PIPETTE FOR VOLUMETRICALLY METERING POWDER**

[54] **PIPETTE POUR LE DOSAGE VOLUMETRIQUE DE POUDRE**

[72] NITSCH, STEFFEN, DE

[71] HARRO HOFLIGER  
VERPACKUNGSMASCHINEN  
GMBH, DE

[85] 2015-10-14

[86] 2014-05-14 (PCT/EP2014/001305)

[87] (WO2014/183872)

[30] DE (20 2013 004 663.5) 2013-05-17

[21] **2,909,473**  
[13] A1

[51] **Int.Cl. C12N 9/02 (2006.01) C07C 4/22 (2006.01) C07C 9/22 (2006.01) C08J 11/04 (2006.01) C12N 1/28 (2006.01) C12P 1/04 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR BIODEGRADING PLASTIC**

[54] **COMPOSITIONS ET PROCEDES DE BIODEGRADATION DU PLASTIQUE**

[72] SIVAN, ALEX, IL

[72] AHARONI, AMIR, IL

[72] PRESS, OR, IL

[71] B.G NEGEV TECHNOLOGIES LTD.,  
IL

[85] 2015-10-13

[86] 2014-04-06 (PCT/IL2014/050332)

[87] (WO2014/167562)

[30] US (61/810,890) 2013-04-11

[30] US (61/847,616) 2013-07-18

[21] **2,909,475**  
[13] A1

[51] **Int.Cl. F16N 7/36 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR APPLYING A LUBRICATING PASTE TO A WHEEL**

[54] **SYSTEME ET PROCEDE PERMETTANT D'APPLIQUER UNE PATE LUBRIFIANTE A UNE ROUE**

[72] STRAITIFF, DONALD G., US

[72] CLARK, BARRY A., US

[72] LAWSON, LAWRENCE J., US

[72] HICKS, JOSHUA J., US

[71] ANDROID INDUSTRIES LLC, US

[85] 2015-10-13

[86] 2014-06-06 (PCT/US2014/041309)

[87] (WO2014/197800)

[30] US (61/832,422) 2013-06-07

[30] US (61/859,641) 2013-07-29

[30] US (61/982,162) 2014-04-21

[30] US (14/297,347) 2014-06-05

[21] **2,909,477**  
[13] A1

[51] **Int.Cl. C07D 471/04 (2006.01)**

[25] EN

[54] **PD-CATALYZED COUPLING OF PYRAZOLE AMIDES**

[54] **COUPLAGE DE PYRAZOLE-AMIDES CATALYSE PAR PD**

[72] FANTASIA, SERENA MARIA, CH

[72] PUENTENER, KURT, CH

[71] F. HOFFMANN-LA ROCHE AG, CH

[85] 2015-10-14

[86] 2014-04-28 (PCT/EP2014/058549)

[87] (WO2014/177493)

[30] EP (13166027.6) 2013-04-30

[21] **2,909,478**  
[13] A1

[51] **Int.Cl. B62D 53/08 (2006.01) B62D 53/10 (2006.01)**

[25] EN

[54] **FIFTH WHEEL HITCH KINGPIN ASSEMBLY**

[54] **ENSEMBLE PIVOT D'ATTELAGE DE SELLETTE**

[72] TERPSMA, ERIC, US

[71] SAF-HOLLAND, INC., US

[85] 2015-10-13

[86] 2014-07-16 (PCT/US2014/046851)

[87] (WO2015/108565)

[30] US (14/159,140) 2014-01-20

[21] **2,909,480**  
[13] A1

[51] **Int.Cl. B60S 1/38 (2006.01)**

[25] FR

[54] **WINDSCREEN WIPER BLADE WITH AGEING MEMBER**

[54] **BALAI D'ESSUIE-GLACE COMPORTANT UN ORGANE DE VIEILLISSEMENT**

[72] CAILLOT, GERALD, FR

[72] GIRAUD, FREDERIC, FR

[72] SEVELLEC, PIERRE, FR

[72] RABY, OLIVIER, FR

[71] VALEO SYSTEMES D'ESSUYAGE,  
FR

[85] 2015-10-13

[86] 2014-04-16 (PCT/EP2014/057798)

[87] (WO2014/170396)

[30] FR (1353522) 2013-04-18

[21] **2,909,482**  
[13] A1

[51] **Int.Cl. H02H 9/00 (2006.01) H02H 9/04 (2006.01)**

[25] EN

[54] **INTRINSICALLY SAFE VOLTAGE CLAMPING DEVICE**

[54] **DISPOSITIF D'ECRETAGE DE TENSION A SECURITE INTRINSEQUE**

[72] SEBERGER, STEPHEN G., US

[71] FISHER CONTROLS  
INTERNATIONAL LLC, US

[85] 2015-10-13

[86] 2014-10-28 (PCT/US2014/062626)

[87] (WO2015/066007)

[30] US (61/896,475) 2013-10-28

[30] US (14/090,737) 2013-11-26

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[21] **2,909,483**  
[13] A1

[51] **Int.Cl. H02J 3/00 (2006.01) G06Q 50/06 (2012.01)**

[25] EN

[54] **A SYSTEM AND METHOD FOR INFERRING SCHEMATIC AND TOPOLOGICAL PROPERTIES OF AN ELECTRICAL DISTRIBUTION GRID**

[54] **SYSTEME ET PROCEDE DE DEDUCTION DE PROPRIETES SCHEMATIQUES ET TOPOLOGIQUES D'UN RESEAU DE DISTRIBUTION ELECTRIQUE**

[72] HANSELL, JERRITT, US

[72] BERNHEIM, HENRIK F., US

[72] LIAO, YU, US

[72] MARTIN, MARCIA REID, US

[72] ABENDSCHEIN, ANDREW LOUIS, US

[71] ASTROLINK INTERNATIONAL LLC, US

[71] DOMINION ENERGY TECHNOLOGIES, INC., US

[85] 2015-08-17

[86] 2014-02-14 (PCT/US2014/016540)

[87] (WO2014/130366)

[30] US (61/766,551) 2013-02-19

[30] US (61/779,222) 2013-03-13

[30] US (13/871,944) 2013-04-26

[21] **2,909,484**  
[13] A1

[51] **Int.Cl. G01N 21/23 (2006.01) B32B 7/12 (2006.01)**

[25] EN

[54] **JOINED STRUCTURE AND BONDING-CONDITION DETECTING METHOD**

[54] **STRUCTURE JOINTE ET PROCEDE DE DETECTION D'UN ETAT JOINT**

[72] SAITO, NOZOMI, JP

[72] SHIMIZU, TAKAYUKI, JP

[72] ABE, TOSHIO, JP

[72] TAKEDA, NOBUO, JP

[72] MINAKUCHI, SHU, JP

[72] UHIRA, KEIGO, JP

[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP

[71] THE UNIVERSITY OF TOKYO, JP

[85] 2015-10-14

[86] 2014-02-27 (PCT/JP2014/054826)

[87] (WO2014/185119)

[30] JP (2013-102254) 2013-05-14

[21] **2,909,485**  
[13] A1

[51] **Int.Cl. B32B 27/30 (2006.01) A01G 9/14 (2006.01) C08J 5/18 (2006.01) C08L 27/08 (2006.01) E04D 5/06 (2006.01)**

[25] FR

[54] **FLUORINATED FILM**

[54] **FILM FLUORE**

[72] DEVISME, SAMUEL, FR

[72] RAMFEL WIEGERT, BARBARA, FR

[72] FINE, THOMAS, FR

[72] BONNET, ANTHONY, FR

[72] ZERAFATI, SAEID, US

[71] ARKEMA FRANCE, FR

[85] 2015-10-14

[86] 2014-04-22 (PCT/FR2014/050965)

[87] (WO2014/174197)

[30] FR (1353672) 2013-04-23

[30] FR (1452980) 2014-04-03

[21] **2,909,486**  
[13] A1

[51] **Int.Cl. H04R 3/04 (2006.01) H04R 1/08 (2006.01) H04S 3/00 (2006.01)**

[25] EN

[54] **VIDEO GAMING SYSTEM WITH ULTRASONIC SPEAKERS**

[54] **SYSTEME DE JEU VIDEO AYANT DES HAUT-PARLEURS ULTRASONORES**

[72] NORRIS, ELWOOD G., US

[71] TURTLE BEACH CORPORATION, US

[85] 2015-10-14

[86] 2014-02-26 (PCT/US2014/018691)

[87] (WO2014/172014)

[30] US (13/863,971) 2013-04-16

[21] **2,909,487**  
[13] A1

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

[25] EN

[54] **SYSTEMS AND METHODS FOR MOBILE POINT-OF-SALE PROCESS MANAGEMENT**

[54] **SYSTEMES ET PROCEDES DE GESTION DE SERVICES DE POINT DE VENTE MOBILE**

[72] RASBAND, PAUL B., US

[71] TYCO FIRE & SECURITY GMBH, CH

[85] 2015-10-14

[86] 2014-03-04 (PCT/US2014/020093)

[87] (WO2014/164038)

[30] US (61/776,065) 2013-03-11

[21] **2,909,488**  
[13] A1

[51] **Int.Cl. A41D 13/02 (2006.01) A41D 1/06 (2006.01) A41D 3/02 (2006.01) A41D 15/00 (2006.01)**

[25] EN

[54] **GARMENT**

[54] **VETEMENT**

[72] KUELKER, SHANE RENARD, CA

[71] 1750481 ALBERTA INC., CA

[85] 2015-10-13

[86] 2014-05-05 (PCT/CA2014/050426)

[87] (WO2014/179879)

[30] US (61/820,008) 2013-05-06

[21] **2,909,490**  
[13] A1

[51] **Int.Cl. A61K 31/57 (2006.01) A61K 9/08 (2006.01) A61P 27/00 (2006.01) A61P 27/02 (2006.01)**

[25] EN

[54] **CRANIAL DELIVERY OF PHARMACEUTICALS**

[54] **ADMINISTRATION CRANIENNE DE SUBSTANCES PHARMACEUTIQUES**

[72] SAWYER, KENNETH I., US

[72] CHANG, WEI-WEI, US

[71] GLIA, LLC, US

[85] 2015-10-14

[86] 2014-03-14 (PCT/US2014/027280)

[87] (WO2014/152385)

[30] US (61/790,120) 2013-03-15

[21] **2,909,492**  
[13] A1

[51] **Int.Cl. C25B 9/00 (2006.01) C25B 9/18 (2006.01) C25B 15/08 (2006.01) H01M 8/02 (2006.01) H01M 8/12 (2006.01) H01M 8/24 (2006.01)**

[25] EN

[54] **GAS INLET FOR SOEC UNIT**

[54] **ADMISSION DE GAZ POUR CELLULE D'ELECTROLYSE A OXYDE SOLIDE**

[72] HEIREDAL-CLAUSEN, THOMAS, DK

[72] BUCHHOLTZ FREDERIKSEN, CASPER, DK

[71] HALDOR TOPSOE A/S, DK

[85] 2015-10-14

[86] 2013-05-02 (PCT/EP2013/059131)

[87] (WO2014/177212)

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[51] **Int.Cl. G03B 37/04 (2006.01) F16M 11/04 (2006.01) G03B 17/56 (2006.01) G03B 35/08 (2006.01)**

[25] EN

[54] **ALIGNMENT OF A CAMERA SYSTEM, CAMERA SYSTEM AND ALIGNMENT AID**

[54] **REGLAGE D'UN SYSTEME MULTI-CAMERAS, SYSTEME MULTI-CAMERAS ET ACCESSOIRE DE REGLAGE**

[72] WEISSIG, CHRISTIAN, DE

[72] FINN, ARNE, DE

[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE

[85] 2015-10-14

[86] 2013-04-16 (PCT/EP2013/057921)

[87] (WO2014/169952)

[21] **2,909,494**  
[13] A1

[51] **Int.Cl. A47B 21/00 (2006.01) G06F 1/16 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO PRESENTATION AND DISPLAY EQUIPMENT**

[54] **PERFECTIONNEMENTS APPORTES AU MATERIEL DE PRESENTATION ET D'AFFICHAGE OU LIES A CE MATERIEL**

[72] VINTON, ROGER ALAN, GB

[72] MCADELL, ROGER NICHOLAS, GB

[72] PACKER, NOEL LIAM, GB

[71] VINTON, ROGER ALAN, GB

[71] MCADELL, ROGER NICHOLAS, GB

[85] 2015-10-14

[86] 2013-05-13 (PCT/EP2013/059852)

[87] (WO2013/171174)

[30] GB (1208601.3) 2012-05-14

[21] **2,909,497**  
[13] A1

[51] **Int.Cl. B25B 5/00 (2006.01) B23K 37/04 (2006.01) B25B 5/10 (2006.01) B25B 5/16 (2006.01)**

[25] EN

[54] **CLAMPING TOOL**

[54] **OUTIL DE SERRAGE**

[72] SIEGMUND, BERND, DE

[71] SIEGMUND, BERND, DE

[85] 2015-10-14

[86] 2014-07-12 (PCT/EP2014/001917)

[87] (WO2015/018476)

[30] DE (20 2013 007 011.0) 2013-08-06

[21] **2,909,501**  
[13] A1

[51] **Int.Cl. G01S 7/523 (2006.01) G01S 7/52 (2006.01) G01S 7/539 (2006.01) G01S 15/89 (2006.01)**

[25] EN

[54] **SONAR METHOD AND APPARATUS**

[54] **PROCEDE ET APPAREIL SONAR**

[72] HOGARTH, PETER IAN, GB

[72] TAMSETT, DUNCAN, GB

[71] KONGSBERG GEOACOUSTICS LTD, GB

[85] 2015-10-14

[86] 2014-04-10 (PCT/EP2014/057311)

[87] (WO2014/170213)

[30] GB (1306863.0) 2013-04-16

[30] GB (1321876.3) 2013-12-11

[21] **2,909,504**  
[13] A1

[51] **Int.Cl. A61K 31/343 (2006.01) A61P 25/00 (2006.01) A61P 25/32 (2006.01)**

[25] EN

[54] **NALMEFENE FOR TREATMENT OF PATIENTS WITH MOOD DISORDER**

[54] **NALMEFENE POUR LE TRAITEMENT DE PATIENTS ATTEINTS DE TROUBLE DE L'HUMEUR**

[72] MEULIEN, DIDIER, FR

[72] GRUHN, DAVID, DK

[72] TORUP, LARS, DK

[72] STEINIGER-BRACH, BJORN, DK

[71] H. LUNDBECK A/S, DK

[85] 2015-10-14

[86] 2014-04-16 (PCT/EP2014/057678)

[87] (WO2014/170351)

[30] DK (PA201300227) 2013-04-17

[21] **2,909,506**  
[13] A1

[51] **Int.Cl. A61K 31/343 (2006.01) A61P 25/00 (2006.01) A61P 25/32 (2006.01)**

[25] EN

[54] **NALMEFENE FOR TREATMENT OF PATIENTS WITH ANXIETY DISORDER**

[54] **NALMEFENE POUR LE TRAITEMENT DE PATIENTS ATTEINTS DE TROUBLE DE L'ANXIETE**

[72] MEULIEN, DIDIER, FR

[72] GRUHN, DAVID, DK

[72] TORUP, LARS, DK

[72] STEINIGER-BRACH, BJORN, DK

[71] H. LUNDBECK A/S, DK

[85] 2015-10-14

[86] 2014-04-16 (PCT/EP2014/057679)

[87] (WO2014/170352)

[30] DK (PA201300229) 2013-04-17

[21] **2,909,507**  
[13] A1

[51] **Int.Cl. F16H 9/18 (2006.01)**

[25] EN

[54] **SERIAL CONTINUOUSLY VARIABLE TRANSMISSION**

[54] **TRANSMISSION A VARIATION CONTINUE EN SERIE**

[72] VAN ROOIJ, JACOBUS HUBERTUS MARIA, NL

[72] MARQUENIE, LOEK, NL

[71] GEAR CHAIN INDUSTRIAL B.V., NL

[85] 2015-10-14

[86] 2014-04-14 (PCT/NL2014/000014)

[87] (WO2014/171816)

[30] NL (1040165) 2013-04-15

[21] **2,909,508**  
[13] A1

[51] **Int.Cl. F16H 9/12 (2006.01) B62D 55/07 (2006.01) F16H 55/36 (2006.01) F16H 55/52 (2006.01)**

[25] EN

[54] **CONTINUOUSLY VARIABLE TRANSMISSION DRIVE PULLEY**

[54] **POULIE MOTRICE DE TRANSMISSION A VARIATION CONTINUE**

[72] AITCIN, XAVIER-PIERRE, CA

[72] BOURGEOIS, YAN, CA

[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA

[85] 2015-10-14

[86] 2015-03-31 (PCT/IB2015/052374)

[87] (WO2015/151032)

[30] US (61/972,592) 2014-03-31

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[13] A1

[51] **Int.Cl. B60P 1/26 (2006.01) B62D 33/03 (2006.01)**  
[25] EN  
[54] **A FOLDABLE TAILGATE, A LOAD BED WITH SUCH A FOLDABLE TAILGATE AND A VEHICLE WITH SUCH A LOAD BED**  
[54] **CLOISON MOBILE PLIABLE, PLATEAU DE CHARGEMENT AYANT UNE TELLE CLOISON MOBILE PLIABLE ET VEHICULE AYANT UN TEL PLATEAU DE CHARGEMENT**  
[72] ERICSSON, JOHAN K., SE  
[71] ATLAS COPCO ROCK DRILLS AB, SE  
[85] 2015-10-14  
[86] 2014-05-22 (PCT/SE2014/050632)  
[87] (WO2014/200410)  
[30] SE (1350725-6) 2013-06-13

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[21] **2,909,510**  
[13] A1

[51] **Int.Cl. C07D 277/06 (2006.01)**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR GAMMA-GLUTAMYL CYCLE MODULATION**  
[54] **PROCEDES ET COMPOSITIONS POUR UNE MODULATION DE CYCLE GAMMA-GLUTAMYLE**  
[72] RUBIN, DAVID, US  
[72] RUBIN, EYAL, US  
[71] CANCER RESEARCH TECHNOLOGY, LLC, US  
[85] 2015-10-14  
[86] 2014-03-15 (PCT/US2014/030053)  
[87] (WO2014/145314)  
[30] US (61/801,709) 2013-03-15

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[21] **2,909,511**  
[13] A1

[51] **Int.Cl. G03G 9/08 (2006.01) G03G 9/087 (2006.01) G03G 9/10 (2006.01)**  
[25] EN  
[54] **TONER AND TWO-COMPONENT DEVELOPER**  
[54] **ENCRE EN POWDRE ET REVELATEUR A DEUX CONSTITUANTS**  
[72] KUMAI, MIO, JP  
[72] SUGIURA, HIDEKI, JP  
[72] MIZOGUCHI, YUKA, JP  
[71] RICOH COMPANY, LTD., JP  
[85] 2015-10-14  
[86] 2014-04-25 (PCT/JP2014/062211)  
[87] (WO2014/175469)  
[30] JP (2013-094681) 2013-04-26  
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[21] **2,909,512**  
[13] A1

[51] **Int.Cl. C23C 16/27 (2006.01) C23C 16/515 (2006.01)**  
[25] EN  
[54] **CARBON-COATED MEMBER AND PRODUCTION METHOD THEREFOR**  
[54] **ELEMENT RECOUVERT DE CARBONE ET PROCEDE DE FABRICATION DE CE DERNIER**  
[72] KOBAYASHI, KOJI, JP  
[72] KOJINA, KAORU, JP  
[72] YOSHIMOTO, NOBUHIKO, JP  
[72] FUNATSU, JUNYA, JP  
[71] HONDA MOTOR CO., LTD., JP  
[85] 2015-10-14  
[86] 2014-05-30 (PCT/JP2014/064400)  
[87] (WO2014/192916)  
[30] JP (2013-116034) 2013-05-31

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[21] **2,909,514**  
[13] A1

[51] **Int.Cl. A63B 23/00 (2006.01) A61H 1/00 (2006.01) A63B 5/11 (2006.01) A63B 24/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR EVALUATING PHYSICAL PERFORMANCE**  
[54] **SYSTEMES ET PROCEDES POUR EVALUER UNE PERFORMANCE PHYSIQUE**  
[72] STEPHENSON, VINCENT NED, US  
[71] MOVEMENT TRAINING SYSTEMS LLC, US  
[85] 2015-10-14  
[86] 2014-03-17 (PCT/US2014/030520)  
[87] (WO2014/145711)  
[30] US (13/843,211) 2013-03-15

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[21] **2,909,515**  
[13] A1

[51] **Int.Cl. E21B 43/10 (2006.01) E21B 17/00 (2006.01)**  
[25] EN  
[54] **MECHANICALLY LOCKED DEBRIS BARRIER**  
[54] **BARRIERE ANTI-DEBRIS A VERROUILLAGE MECANIQUE**  
[72] JORDY, DUSTIN R., US  
[71] BAKER HUGHES INCORPORATED, US  
[85] 2015-10-14  
[86] 2014-03-27 (PCT/US2014/032046)  
[87] (WO2014/175991)  
[30] US (13/870,552) 2013-04-25



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[21] **2,909,516**  
[13] A1

[51] **Int.Cl. C12P 21/02 (2006.01)**  
[25] EN  
[54] **EXPRESSION OF BIOLOGICALLY ACTIVE PROTEINS IN A BACTERIAL CELL-FREE SYNTHESIS SYSTEM USING CELL EXTRACTS WITH ELEVATED LEVELS OF EXOGENOUS CHAPERONES**

[54] **EXPRESSION DE PROTEINES BIOLOGIQUEMENT ACTIVES DANS UN SYSTEME DE SYNTHÈSE EXEMPT DE CELLULE BACTERIENNE UTILISANT DES CELLULES BACTERIENNES TRANSFORMÉES POUR MONTRER DES NIVEAUX ÉLEVÉS D'EXPRESSION D'UN CHAPERON**

[72] YAM, ALICE, US  
[72] GROFF, DAN, US  
[72] RIVERS, PATRICK, US  
[72] THANOS, CHRISTOPHER D., US  
[71] SUTRO BIOPHARMA, INC., US  
[85] 2015-10-14  
[86] 2014-04-18 (PCT/US2014/034643)  
[87] (WO2014/172631)  
[30] US (61/813,914) 2013-04-19  
[30] US (61/937,069) 2014-02-07

[21] **2,909,517**  
[13] A1

[51] **Int.Cl. H04N 21/234 (2011.01) H04N 21/44 (2011.01) H04N 21/81 (2011.01)**  
[25] EN  
[54] **LIVE AD PROCESSING ENGINE SERVICE**

[54] **SERVICE DE MOTEUR DE TRAITEMENT DE PUBLICITE EN DIRECT**

[72] MCGOWAN, ALBERT JOHN, US  
[72] MAULTSBY, NICHOLAS, US  
[72] HUFFMAN, NIKO T.J., US  
[72] MOOSMAN, CHRISTIAN D., US  
[71] UNICORN MEDIA, INC., US  
[85] 2015-10-14  
[86] 2014-04-03 (PCT/US2014/032850)  
[87] (WO2014/176014)  
[30] US (61/815,111) 2013-04-23  
[30] US (14/069,961) 2013-11-01

[21] **2,909,518**  
[13] A1

[51] **Int.Cl. A61G 7/002 (2006.01) A61G 7/01 (2006.01)**  
[25] EN  
[54] **MULTI-FUNCTIONAL HOSPITAL BASSINET**

[54] **BERCEAU MULTIFONCTIONS D'HOPITAL**

[72] CZACH, MATTHEW G., US  
[72] PORTER, BRYCE K., US  
[71] STRYKER CORPORATION, US  
[85] 2015-10-14  
[86] 2014-04-18 (PCT/US2014/034659)  
[87] (WO2014/172642)  
[30] US (61/813,450) 2013-04-18

[21] **2,909,519**  
[13] A1

[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01)**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF BORTEZOMIB MANNITOL ESTER**

[54] **PROCEDE POUR LA PREPARATION D'ESTER DE MANNITOL DU BORTEZOMIB**

[72] PUPPALA, RAVIKUMAR, IN  
[72] PATHI, SRINIVAS LAXMINARAYAN, IN  
[72] RAO, DHARMARAJ RAMACHANDRA, IN  
[72] KANKAN, RAJENDRA NARAYANRAO, IN  
[71] CIPLA LIMITED, IN  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/GB2014/000150)  
[87] (WO2014/170628)  
[30] IN (1431/MUM/2013) 2013-04-16

[21] **2,909,520**  
[13] A1

[51] **Int.Cl. A61B 5/103 (2006.01) A61B 5/11 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MONITORING DYNAMIC STATUS OF A BODY**

[54] **PROCEDE ET APPAREIL POUR SURVEILLER L'ETAT DYNAMIQUE D'UN CORPS**

[72] RONCHI, DANIEL MATTHEW, AU  
[72] RONCHI, ANDREW JAMES, AU  
[72] CHARRY, EDGAR, AU  
[72] HU, WENZHENG, AU  
[72] CHHIKARA, AAKANKSHA, AU  
[71] DORSAVI PTY LTD, AU  
[85] 2015-10-15  
[86] 2014-04-14 (PCT/AU2014/000426)  
[87] (WO2014/169329)  
[30] AU (2013901306) 2013-04-15

[21] **2,909,521**  
[13] A1

[51] **Int.Cl. C09D 127/18 (2006.01) B05D 1/02 (2006.01) B05D 3/00 (2006.01) B05D 5/08 (2006.01) B64D 15/00 (2006.01) C08K 3/26 (2006.01) C08K 3/34 (2006.01) C08K 3/36 (2006.01) C08K 13/00 (2006.01) C09D 7/12 (2006.01) C09D 175/04 (2006.01)**  
[25] EN  
[54] **COATINGS, COATING COMPOSITIONS, AND METHODS OF DELAYING ICE FORMATION**

[54] **REVETEMENTS, COMPOSITIONS DE REVETEMENT ET PROCEDES PERMETTANT DE RETARDER LA FORMATION DE GLACE**

[72] NOWAK, ANDREW P., US  
[72] GROSS, ADAM F., US  
[72] SHERMAN, ELENA, US  
[72] SEEBERGH, JILL E., US  
[72] DALBY, GLENN R., US  
[72] BERRY, DOUGLAS H., US  
[71] THE BOEING COMPANY, US  
[85] 2015-10-14  
[86] 2014-04-22 (PCT/US2014/034889)  
[87] (WO2015/012910)  
[30] US (61/838,605) 2013-06-24  
[30] US (14/058,470) 2013-10-21

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[21] **2,909,522**  
[13] A1

[51] **Int.Cl. B07B 1/46 (2006.01) F16B 23/00 (2006.01) F16B 27/00 (2006.01) F16B 43/02 (2006.01) F16M 11/02 (2006.01) F16S 3/08 (2006.01)**

[25] EN

[54] **ORE SCREENING PANEL FASTENER**

[54] **DISPOSITIF DE FIXATION DE PANNEAU DE CRIBLAGE DE MINERAIS**

[72] STRONG, CRAIG, AU  
[72] THANGAVELU, MURUGAVEL, AU  
[72] LAMPLUGH, MARK, AU  
[72] SCHUETZ, MARTIN, AU  
[71] SCHENCK PROCESS AUSTRALIA PTY LTD, AU

[85] 2015-10-15  
[86] 2014-04-22 (PCT/AU2014/000450)  
[87] (WO2014/172745)  
[30] AU (2013901415) 2013-04-23

[21] **2,909,523**  
[13] A1

[51] **Int.Cl. B01D 33/09 (2006.01) B01D 33/46 (2006.01)**

[25] EN

[54] **DYNAMIC DEWATERING SYSTEM**

[54] **SYSTEME DE DESHYDRATATION DYNAMIQUE**

[72] VETTE, PAUL, US  
[71] VETTE, PAUL, US

[85] 2015-10-14  
[86] 2014-04-14 (PCT/US2014/033963)  
[87] (WO2014/176057)  
[30] US (61/814,367) 2013-04-22

[21] **2,909,524**  
[13] A1

[51] **Int.Cl. H04W 4/02 (2009.01)**

[25] EN

[54] **A METHOD AND APPARATUS FOR IDENTIFYING AND COMMUNICATING LOCATIONS**

[54] **PROCEDE ET APPAREIL D'IDENTIFICATION ET DE TRANSMISSION DE POSITIONS**

[72] GANESALINGAM, MOHAN, GB  
[72] SHELDRICK, CHRISTOPHER, GB  
[72] WALEY-COHEN, JACK, GB  
[71] WHAT3WORDS LIMITED, GB

[85] 2015-10-15  
[86] 2014-04-14 (PCT/GB2014/051152)  
[87] (WO2014/170646)  
[30] GB (1307148.5) 2013-04-19

[21] **2,909,525**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR COMMUNICATION BETWEEN USERS, IN PARTICULAR BETWEEN DOCTORS/DENTISTS AND PATIENTS**

[54] **PROCEDE ET SYSTEME DE COMMUNICATION ENTRE UTILISATEURS, EN PARTICULIER ENTRE DES MEDECINS/DENTISTES ET DES PATIENTS**

[72] VELEV, PETER GRIGOROV, BG  
[71] CREDOWEB LTD., BG

[85] 2015-10-15  
[86] 2014-04-22 (PCT/BG2014/000018)  
[87] (WO2014/172761)  
[30] BG (2396) 2013-04-22  
[30] BG (111542) 2013-07-25

[21] **2,909,526**  
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[51] **Int.Cl. E21B 17/00 (2006.01) E21B 33/129 (2006.01)**

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[54] **ANCHOR RING ASSEMBLY**

[54] **ENSEMBLE ORGANEAU**

[72] ALLEN, MIKE, GB  
[72] HARE, DAVID MATTHEW, GB  
[72] BARNES, CHRISTOPHER GEORGE, GB

[71] REACTIVE DOWNHOLE TOOLS LIMITED, GB

[85] 2015-10-15  
[86] 2014-04-17 (PCT/GB2014/051210)  
[87] (WO2014/170685)  
[30] GB (1306968.7) 2013-04-17

[21] **2,909,527**  
[13] A1

[51] **Int.Cl. A61K 31/4409 (2006.01) A61P 9/10 (2006.01) A61P 25/00 (2006.01)**

[25] EN

[54] **METHODS FOR TREATING SENSORIMOTOR IMPAIRMENTS ASSOCIATED WITH CERTAIN TYPES OF STROKE USING AMINOPYRIDINES**

[54] **PROCEDES PERMETTANT DE TRAITER DES TROUBLES SENSORI-MOTEURS ASSOCIES A CERTAINS TYPES D'ACCIDENTS VASCULAIRES CEREBRAUX A L'AIDE D'AMINOPYRIDINES**

[72] BLIGHT, ANDREW R., US  
[72] CAGGIANO, ANTHONY O., US  
[72] PARRY, TOM J., US  
[72] IACL, JENNIFER F., US  
[71] ACORDA THERAPEUTICS, INC., US

[85] 2015-10-14  
[86] 2014-04-14 (PCT/US2014/033974)  
[87] (WO2014/172266)  
[30] US (61/812,239) 2013-04-15  
[30] US (61/816,551) 2013-04-26  
[30] US (61/816,592) 2013-04-26

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[13] A1

[51] **Int.Cl. C04B 24/24 (2006.01) C04B 28/10 (2006.01) C04B 28/12 (2006.01)**

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[54] **RHEOLOGY MODIFYING AGENTS FOR SLURRIES**

[54] **AGENTS MODIFICATEURS DE RHEOLOGIE POUR SUSPENSIONS EPAISSES**

[72] GILL, JASBIR S., US  
[72] CHEN, TZU Y., US  
[72] FAITH, REAGAN, CA  
[72] COULTERMAN, ADAM, CA  
[71] ECOLAB USA INC., US

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[86] 2014-04-23 (PCT/US2014/035099)  
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[51] **Int.Cl. F16J 15/00 (2006.01) F16J 9/00 (2006.01)**  
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[54] **EXPANDABLE HIGH PRESSURE AND HIGH TEMPERATURE SEAL**  
[54] **JOINT EXTENSIBLE A HAUTE PRESSION ET A HAUTE TEMPERATURE**  
[72] GOMEZ, LEOPOLDO S., US  
[72] NANAWARE, GANESH K., US  
[71] BAKER HUGHES INCORPORATED, US  
[85] 2015-10-14  
[86] 2014-04-14 (PCT/US2014/033995)  
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[30] US (13/872,587) 2013-04-29

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[13] A1

[51] **Int.Cl. B29C 70/22 (2006.01) B64C 3/16 (2006.01) B64C 23/06 (2006.01)**  
[25] EN  
[54] **BRAIDED COMPOSITE SPAR**  
[54] **LONGERON COMPOSITE TRESSE**  
[72] FONG, TONY, GB  
[72] AXFORD, TIMOTHY, GB  
[71] AIRBUS OPERATIONS LIMITED, GB  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/GB2014/051226)  
[87] (WO2014/170690)  
[30] GB (1307066.9) 2013-04-18

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[13] A1

[51] **Int.Cl. E01H 1/08 (2006.01) E01H 1/04 (2006.01)**  
[25] EN  
[54] **UTILITY TYPE SURFACE CLEANING VEHICLE**  
[54] **VEHICULE DE NETTOYAGE DE SURFACE DE TYPE UTILITAIRE**  
[72] VANDERLINDEN, ROGER, CA  
[71] VANDERLINDEN, ROGER, CA  
[85] 2015-10-15  
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[30] US (61/624,373) 2012-04-15

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[13] A1

[51] **Int.Cl. C23C 16/448 (2006.01)**  
[25] EN  
[54] **DEFINED DOSING ATMOSPHERIC TEMPERATURE AND PRESSURE VAPOR DEPOSITION SYSTEM**  
[54] **SYSTEME DE DEPOT EN PHASE VAPEUR SOUS PRESSION ET A TEMPERATURE ATMOSPHERIQUE UTILISANT UNE DOSE DEFINIE**  
[72] SLAYBAUGH, RUSSELL C., US  
[72] METCALFE, MICHAEL STEPHEN, US  
[72] ZAX, ADAM, US  
[72] SETA, GUILLERMO, US  
[71] DIAMON FUSION INTERNATIONAL, INC., US  
[85] 2015-10-14  
[86] 2014-04-23 (PCT/US2014/035206)  
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[30] US (61/815,649) 2013-04-24

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[13] A1

[51] **Int.Cl. B64C 23/06 (2006.01) B29C 70/22 (2006.01) B64C 3/18 (2006.01)**  
[25] EN  
[54] **BRAIDED COMPOSITE SPAR**  
[54] **LONGERON COMPOSITE TRESSE**  
[72] FONG, TONY, GB  
[72] AXFORD, TIMOTHY, GB  
[71] AIRBUS OPERATIONS LIMITED, GB  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/GB2014/051227)  
[87] (WO2014/170691)  
[30] GB (1307066.9) 2013-04-18

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[13] A1

[51] **Int.Cl. A61K 47/38 (2006.01) A61K 9/00 (2006.01) A61K 47/24 (2006.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01)**  
[25] EN  
[54] **COMPLEX CONTAINING CARBOXYL SUBSTITUTED STARCH AND LIPID FOR DELAYED DELIVERY OF ACTIVE INGREDIENTS**  
[54] **COMPLEXE CONTENANT DE L'AMIDON SUBSTITUE PAR CARBOXYLE ET UN LIPIDE POUR L'ADMINISTRATION RETARDEE DE PRINCIPES ACTIFS**  
[72] FRICIU, MIHAELA, CA  
[72] ISPAS-SZABO, POMPILIA, CA  
[72] MATEESCU, MIRCEA-ALEXANDRU, CA  
[72] TIEN, CANH LE, CA  
[71] KARLCI DIAGNOSTICS INC., CA  
[85] 2015-10-15  
[86] 2013-04-30 (PCT/CA2013/000431)  
[87] (WO2013/163738)  
[30] US (61/640,597) 2012-04-30

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[13] A1

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[25] EN  
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[54] **LONGERON COMPOSITE TRESSE**  
[72] FONG, TONY, GB  
[72] AXFORD, TIMOTHY, GB  
[71] AIRBUS OPERATIONS LIMITED, GB  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/GB2014/051228)  
[87] (WO2014/170692)  
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[13] A1

[51] **Int.Cl. E03D 3/12 (2006.01) E03D 1/00 (2006.01)**  
[25] EN  
[54] **PERIODIC HEAVY FLUSH VALVE CONTROL DEVICE, METHOD AND SYSTEM**  
[54] **DISPOSITIF, PROCEDE ET SYSTEME DE COMMANDE PERIODIQUE DE VANNE DE GRAND RINCAGE**  
[72] SEGGIO, FRANK, US  
[71] AS IP HOLDCO LLC, US  
[85] 2015-10-14  
[86] 2014-04-15 (PCT/US2014/034079)  
[87] (WO2014/172310)  
[30] US (61/812,483) 2013-04-16  
[30] US (61/863,661) 2013-08-08

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[13] A1

[51] **Int.Cl. G01R 33/58 (2006.01) A61B 5/055 (2006.01) G01R 33/565 (2006.01) G06T 5/50 (2006.01)**  
[25] EN  
[54] **PHANTOM FOR CALIBRATION OF IMAGING SYSTEM**  
[54] **FANTOME DESTINE A L'ETALONNAGE D'UN SYSTEME D'IMAGERIE**  
[72] MIQUEL, FLORENT, CA  
[72] RIVET-SABOURIN, GEOFFROY, CA  
[71] LABORATOIRES BODYCAD INC., CA  
[85] 2015-10-15  
[86] 2013-05-10 (PCT/CA2013/050361)  
[87] (WO2013/166606)  
[30] US (61/645,701) 2012-05-11

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[13] A1

[51] **Int.Cl. F41H 5/007 (2006.01) F41H 5/04 (2006.01)**  
[25] EN  
[54] **BALLISTIC RESISTANT ARMOR ARTICLE**  
[54] **ARTICLE DE BLINDAGE RESISTANT AUX PROJECTILES BALISTIQUES**  
[72] REICHERT, DAVID L., US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2015-10-14  
[86] 2014-04-24 (PCT/US2014/035223)  
[87] (WO2015/012917)  
[30] US (13/871,121) 2013-04-26

[21] **2,909,539**  
[13] A1

[51] **Int.Cl. A23F 3/16 (2006.01)**  
[25] EN  
[54] **TEA BEVERAGE AND PREPARATION METHOD THEREFOR**  
[54] **BOISSON AU THE ET SON PROCEDE DE PREPARATION**  
[72] HAN, ZHENGCHUN, CN  
[72] WANG, YONGFU, CN  
[72] ZHONG, JIPING, CN  
[72] JIN, JUN, CN  
[72] HUANG, YUAN, CN  
[72] XUE, LIAN, CN  
[71] NONGFU SPRING CO., LTD., CN  
[85] 2015-10-15  
[86] 2014-03-28 (PCT/CN2014/074236)  
[87] (WO2014/169755)  
[30] CN (201310132185.7) 2013-04-16

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[13] A1

[51] **Int.Cl. B64C 23/06 (2006.01) B29C 70/22 (2006.01)**  
[25] EN  
[54] **WINGLET**  
[54] **AILETTE DE BOUT D'AILE**  
[72] FONG, TONY, GB  
[72] AXFORD, TIMOTHY, GB  
[72] CHAUSSEE, JULIEN, GB  
[71] AIRBUS OPERATIONS LIMITED, GB  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/GB2014/051229)  
[87] (WO2014/170693)  
[30] GB (1307066.9) 2013-04-18

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[13] A1

[51] **Int.Cl. C12N 15/54 (2006.01) A01H 5/00 (2006.01) C12N 1/19 (2006.01) C12N 9/10 (2006.01) C12N 15/81 (2006.01) C12N 15/82 (2006.01) C12P 7/64 (2006.01)**  
[25] EN  
[54] **ENRICHMENT OF OILS WITH POLYUNSATURATED FATTY ACIDS**  
[54] **ENRICHISSEMENT D'HUILES AU MOYEN D'ACIDES GRAS POLYINSATURES**  
[72] PAN, XUE, CA  
[72] SILOTO, RODRIGO, CA  
[72] WESELAKE, RANDALL, CA  
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA  
[85] 2015-10-15  
[86] 2013-06-07 (PCT/CA2013/050435)  
[87] (WO2013/181761)  
[30] US (61/656,732) 2012-06-07

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[13] A1

[51] **Int.Cl. C10G 33/04 (2006.01) C07D 317/36 (2006.01)**  
[25] EN  
[54] **CYCLIC ORTHO ESTER FUEL ADDITIVE**  
[54] **ADDITIF POUR CARBURANT A BASE D'ESTERS ORTHO CYCLIQUES**  
[72] LAM, JOSEPH K-W, GB  
[72] RATCLIFFE, NORMAN, GB  
[72] DE LACY COSTELLO, BENJAMIN, GB  
[72] REPETTO, SONIA, GB  
[72] COSTELLO, JAMES, GB  
[72] PARMENTER, DAVID, GB  
[71] AIRBUS OPERATIONS LIMITED, GB  
[85] 2015-10-15  
[86] 2014-04-24 (PCT/GB2014/051269)  
[87] (WO2014/174290)  
[30] GB (1307438.0) 2013-04-25  
[30] GB (1316763.0) 2013-09-20

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[13] A1

[51] **Int.Cl. A01N 43/04 (2006.01) A61K 31/70 (2006.01) C07H 19/00 (2006.01)**  
[25] EN  
[54] **METHYLTRANSFERASE INHIBITORS FOR TREATING CANCER**  
[54] **INHIBITEURS DE METHYLTRANSFERASE POUR LE TRAITEMENT DU CANCER**  
[72] LUO, MINKUI, US  
[72] ZHENG, WEIHONG, US  
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US  
[85] 2015-10-14  
[86] 2014-04-15 (PCT/US2014/034118)  
[87] (WO2014/172330)  
[30] US (61/812,393) 2013-04-16

[21] **2,909,544**  
[13] A1

[51] **Int.Cl. G01D 5/353 (2006.01) G01L 1/24 (2006.01) G02B 6/02 (2006.01)**  
[25] EN  
[54] **FIBER-GRATING SENSORS HAVING LONGITUDINAL-STRAIN-INDUCING JACKETS AND SENSOR SYSTEMS AND STRUCTURES INCLUDING SUCH SENSORS**  
[54] **CAPTEURS DE RESEAU DE FIBRES DOTES DE GAINES INDUISANT UNE DEFORMATION LONGITUDINALE ET SYSTEMES DE CAPTEUR ET STRUCTURES COMPORTANT CES CAPTEURS**  
[72] UDD, ERIC, US  
[71] WICOR HOLDING AG, CH  
[85] 2015-10-14  
[86] 2014-04-25 (PCT/US2014/035485)  
[87] (WO2014/176522)  
[30] US (61/816,466) 2013-04-26

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[13] A1

[51] **Int.Cl. C07J 3/00 (2006.01) A61K 31/57 (2006.01) A61K 31/573 (2006.01) A61K 31/58 (2006.01) A61P 25/00 (2006.01) C07J 7/00 (2006.01) C07J 15/00 (2006.01)**  
[25] EN  
[54] **19-NOR C3,3-DISUBSTITUTED C21-N-PYRAZOLYL STEROIDS AND METHODS OF USE THEREOF**  
[54] **19-NOR-C21-N-PYRAZOLYL-STEROIDES C3,3-DISUBSTITUES ET PROCEDES D'UTILISATION DE CEUX-CI**  
[72] BOTELLA, GABRIEL MARTINEZ, US  
[72] HARRISON, BOYD L., US  
[72] ROBICHAUD, ALBERT JEAN, US  
[72] SALITURO, FRANCESCO G., US  
[72] BERESIS, RICHARD THOMAS, CN  
[71] SAGE THERAPEUTICS, INC., US  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/CN2014/075594)  
[87] (WO2014/169833)  
[30] CN (PCT/CN2013/074323) 2013-04-17

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[13] A1

[51] **Int.Cl. C07J 43/00 (2006.01) A61K 31/58 (2006.01) A61P 25/00 (2006.01)**  
[25] EN  
[54] **19-NOR NEUROACTIVE STEROIDS AND METHODS OF USE THEREOF**  
[54] **STEROIDES NEUROACTIFS 19-NOR ET PROCEDES D'UTILISATION DE CEUX-CI**  
[72] BOTELLA, GABRIEL MARTINEZ, US  
[72] HARRISON, BOYD L., US  
[72] ROBICHAUD, ALBERT JEAN, US  
[72] SALITURO, FRANCESCO G., US  
[72] BERESIS, RICHARD THOMAS, CN  
[71] SAGE THERAPEUTICS, INC., US  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/CN2014/075593)  
[87] (WO2014/169832)  
[30] CN (PCT/CN2013/074312) 2013-04-17

[21] **2,909,547**  
[13] A1

[51] **Int.Cl. A01K 29/00 (2006.01)**  
[25] EN  
[54] **CUSHIONING DEVICE FOR LARGE ANIMALS**  
[54] **DISPOSITIF DE MATELASSAGE DESTINE A DES ANIMAUX DE GRANDE TAILLE**  
[72] BOSMAN, JACK BERNARD, CA  
[72] JENKINS, ANDREW W., CA  
[72] NUGTEREN, ROBERT JAN, CA  
[72] RIEDENER, BEAT, CA  
[72] STEVENS, JASON, CA  
[71] PROMAT INC., CA  
[85] 2015-10-15  
[86] 2014-04-15 (PCT/CA2014/050377)  
[87] (WO2014/169386)  
[30] US (61/812,012) 2013-04-15

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[13] A1

[51] **Int.Cl. A61B 17/3207 (2006.01) A61M 25/10 (2013.01)**  
[25] EN  
[54] **EXPANDABLE BALLOON**  
[54] **BALLONNET EXTENSIBLE**  
[72] MCMAHON, TONY, IE  
[72] BURKE, MARTIN G., GB  
[72] HERATY, KEVIN B., IE  
[72] YEO, NICHOLAS, GB  
[71] VERYAN MEDICAL LIMITED, GB  
[85] 2015-10-15  
[86] 2014-05-02 (PCT/GB2014/051385)  
[87] (WO2014/177893)  
[30] US (61/818,592) 2013-05-02

[21] **2,909,549**  
[13] A1

[51] **Int.Cl. B60R 22/34 (2006.01) B60R 22/343 (2006.01) B60R 22/44 (2006.01) B65H 75/30 (2006.01)**  
[25] EN  
[54] **LOCKING APPARATUS, VEHICLE SAFETY BELT ADJUSTMENT APPARATUS, AND VEHICLE SAFETY BELT**  
[54] **APPAREIL DE VERROUILLAGE, APPAREIL D'AJUSTEMENT DE CEINTURE DE SECURITE DE VEHICULE, ET CEINTURE DE SECURITE DE VEHICULE**  
[72] SUN, YINGUI, CN  
[71] SUN, YINGUI, CN  
[85] 2015-10-15  
[86] 2013-04-17 (PCT/CN2013/074327)  
[87] (WO2014/169452)

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[13] A1

[51] **Int.Cl. H04N 13/02 (2006.01)**  
[25] EN  
[54] **METHOD OF DISPARITY DERIVED DEPTH CODING IN 3D VIDEO CODING**

[54] **PROCEDE DE CODAGE DE PROFONDEUR DEDUITE DE L'ECART DANS LE CODAGE VIDEO 3D**

[72] ZHANG, KAI, CN  
[72] AN, JICHENG, CN  
[72] LIN, JIAN-LIANG, CN  
[72] ZHANG, XIANGUO, CN  
[71] MEDIATEK SINGAPORE PTE. LTD., SG  
[85] 2015-10-15  
[86] 2014-07-02 (PCT/CN2014/081460)  
[87] (WO2015/007159)  
[30] CN (PCT/CN2013/079372) 2013-07-15  
[30] CN (PCT/CN2013/089482) 2013-12-16

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[13] A1

[51] **Int.Cl. A47K 3/28 (2006.01) E04H 1/12 (2006.01)**  
[25] EN  
[54] **SHOWER**  
[54] **DOUCHE**

[72] WISHART, BRUCE WILLIAM, GB  
[71] EMPTEEZY LIMITED, GB  
[85] 2015-10-15  
[86] 2014-05-14 (PCT/GB2014/051475)  
[87] (WO2014/184550)  
[30] GB (1308762.2) 2013-05-15

[21] **2,909,552**  
[13] A1

[51] **Int.Cl. A61B 5/1455 (2006.01) A61B 5/1459 (2006.01)**  
[25] EN  
[54] **SYSTEMS, DEVICES, AND METHODS FOR ENERGY EFFICIENT ELECTRICAL DEVICE ACTIVATION**

[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR ACTIVATION DE DISPOSITIF ELECTRIQUE EFFICACE EN ENERGIE**

[72] COLE, JEAN-PIERRE, US  
[71] ABBOTT DIABETES CARE INC., US  
[85] 2015-10-14  
[86] 2014-04-29 (PCT/US2014/035926)  
[87] (WO2014/179343)  
[30] US (61/817,839) 2013-04-30  
[30] US (61/896,578) 2013-10-28  
[30] US (61/973,775) 2014-04-01

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[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 38/14 (2006.01) A61P 31/04 (2006.01) C12N 1/20 (2006.01)**  
[25] EN  
[54] **SPRAY-DRIED POWDER COMPRISING VANCOMYCIN HYDROCHLORIDE, AND INDUSTRIAL MANUFACTURING METHOD THEREOF**

[54] **POUDRE DESSECHEE PAR PULVERISATION COMPRENANT DU CHLORHYDRATE DE VANCOMYCINE, ET SON PROCEDE DE FABRICATION INDUSTRIELLE**

[72] SUN, XINQIANG, CN  
[72] ZHAO, JUNXING, CN  
[71] SUN, XINQIANG, CN  
[71] ZHAO, JUNXING, CN  
[85] 2015-10-15  
[86] 2014-03-14 (PCT/CN2014/000268)  
[87] (WO2014/139329)  
[30] CN (201310085761.7) 2013-03-15

[21] **2,909,554**  
[13] A1

[51] **Int.Cl. H04N 9/04 (2006.01) H04N 5/33 (2006.01)**  
[25] FR  
[54] **DEVICE FOR ACQUIRING BIMODAL IMAGES**

[54] **DISPOSITIF D'ACQUISITION D'IMAGES BIMODE**

[72] KAISER, CARLO, NL  
[72] ROBERT, FRANCK, FR  
[72] LETEXIER, DAMIEN, FR  
[71] PHOTONIS FRANCE, FR  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/EP2014/057698)  
[87] (WO2014/170359)  
[30] FR (1353482) 2013-04-17

[21] **2,909,558**  
[13] A1

[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/10 (2006.01) A01N 25/34 (2006.01) A01N 63/00 (2006.01) A01N 65/00 (2009.01) A01P 1/00 (2006.01)**  
[25] EN  
[54] **OIL CARRYING PARTICULATE MATTER AND USES THEREOF**

[54] **MATIERE PARTICULAIRE PORTANT UNE HUILE, ET SES UTILISATIONS**

[72] KRITZMAN, GIORA, IL  
[71] NOBACTRA ISRAEL LTD., IL  
[85] 2015-10-15  
[86] 2014-04-10 (PCT/IL2014/050346)  
[87] (WO2014/170893)  
[30] IL (225825) 2013-04-18

[21] **2,909,559**  
[13] A1

[51] **Int.Cl. C02F 3/12 (2006.01) B03D 1/14 (2006.01) C02F 1/24 (2006.01)**  
[25] EN  
[54] **WASTEWATER BIOSORPTION WITH DISSOLVED AIR FLOTATION**

[54] **BIOSORPTION D'EAUX USEES PAR FLOTTATION PAR AIR DISSOUS**

[72] DOYLE, MICHAEL L., US  
[72] ERDOGAN, ARGUN O., US  
[71] EVOQUA WATER TECHNOLOGIES LLC, US  
[85] 2015-10-14  
[86] 2014-05-01 (PCT/US2014/036301)  
[87] (WO2014/182533)  
[30] US (61/819,822) 2013-05-06

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[21] **2,909,561**  
[13] A1

[51] **Int.Cl. H04N 19/50 (2014.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ADVANCED TEMPORAL RESIDUAL PREDICTION IN THREE-DIMENSIONAL VIDEO CODING**  
[54] **PROCEDE ET APPAREIL DE PREDICTION RESIDUELLE TEMPORELLE AVANCEE EN CODAGE VIDEO TRIDIMENSIONNEL**  
[72] AN, JICHENG, CN  
[72] ZHANG, KAI, CN  
[72] LIN, JIAN-LIANG, CN  
[71] MEDIATEK SINGAPORE PTE. LTD., SG  
[85] 2015-10-15  
[86] 2014-07-10 (PCT/CN2014/081951)  
[87] (WO2015/007180)  
[30] CN (PCT/CN2013/079468) 2013-07-16  
[30] CN (PCT/CN2013/087117) 2013-11-14

[21] **2,909,562**  
[13] A1

[51] **Int.Cl. B01J 20/00 (2006.01)**  
[25] EN  
[54] **IONIC LIQUID COMPOUND COMPOSE LIQUIDE IONIQUE**  
[72] ADURI, PAVANKUMAR, IN  
[72] UPPARA PARASU, VEERA, IN  
[72] KOTRA, VISWANATH, IN  
[72] SAKHALKAR, MANGESH, IN  
[72] DUKHANDE, VIBHUTI, IN  
[71] RELIANCE INDUSTRIES LIMITED, IN  
[85] 2015-10-15  
[86] 2014-04-21 (PCT/IN2014/000254)  
[87] (WO2014/178075)  
[30] IN (1456/MUM/2013) 2013-04-19

[21] **2,909,563**  
[13] A1

[51] **Int.Cl. B02C 4/30 (2006.01)**  
[25] EN  
[54] **CRUSHING ROLLER FOR A ROLLER CRUSHER**  
[54] **CYLINDRE BROYEUR POUR BROYEUR A CYLINDRE**  
[72] PETACK, BURKHARD, DE  
[72] STENZEL, THOMAS, DE  
[72] SCHMIDT, MARKO, DE  
[71] TAKRAF GMBH, DE  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/EP2014/057727)  
[87] (WO2014/170371)  
[30] DE (10 2013 207 092.6) 2013-04-19

[21] **2,909,565**  
[13] A1

[51] **Int.Cl. B62M 6/55 (2010.01)**  
[25] EN  
[54] **CONTINUOUSLY VARIABLE TRANSMISSION**  
[54] **TRANSMISSION A VARIATION CONTINUE**  
[72] NICHOLS, JON M., US  
[72] VASILIOTIS, CHRISTOPHER M., US  
[71] FALLBROOK INTELLECTUAL PROPERTY COMPANY LLC, US  
[85] 2015-10-14  
[86] 2014-04-16 (PCT/US2014/034300)  
[87] (WO2014/172422)  
[30] US (61/814,122) 2013-04-19

[21] **2,909,566**  
[13] A1

[51] **Int.Cl. H04N 19/70 (2014.01) H04N 19/00 (2014.01) H04N 19/46 (2014.01)**  
[25] EN  
[54] **AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO CODING AND DECODING**  
[54] **APPAREIL, PROCEDE ET PROGRAMME INFORMATIQUE POUR CODAGE ET DECODAGE VIDEO**  
[72] LAINEMA, JANI, FI  
[72] HANNUKSELA, MISKA, FI  
[72] UGUR, KEMAL, FI  
[72] MALAMAL VADAKITAL, VINOD KUMAR, FI  
[71] NOKIA TECHNOLOGIES OY, FI  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/FI2014/050274)  
[87] (WO2014/170547)  
[30] US (61/812,883) 2013-04-17

[21] **2,909,568**  
[13] A1

[51] **Int.Cl. H01M 8/24 (2006.01) H01M 8/02 (2006.01) H01M 8/04 (2006.01) H01M 8/10 (2006.01)**  
[25] EN  
[54] **FUEL CELL STACK MANUFACTURING METHOD AND MANUFACTURING DEVICE**  
[54] **PROCEDE DE FABRICATION ET DISPOSITIF DE FABRICATION D'UN COEUR DE PILE A COMBUSTIBLE**  
[72] ICHIHARA, KEIJI, JP  
[72] HOSHINA, AKIO, JP  
[72] WATANABE, HIROSHI, JP  
[72] KAGEYAMA, KAZUHIRO, JP  
[71] NISSAN MOTOR CO., LTD., JP  
[85] 2015-10-15  
[86] 2014-03-20 (PCT/JP2014/057900)  
[87] (WO2014/171260)  
[30] JP (2013-085251) 2013-04-15

[21] **2,909,569**  
[13] A1

[51] **Int.Cl. B02C 4/42 (2006.01) B02C 4/02 (2006.01)**  
[25] EN  
[54] **ROLLER CRUSHER AND DRIVE TRAIN THEREFOR**  
[54] **BROYEUR A ROULEAUX ET CHAINE CINEMATIQUE ASSOCIEE**  
[72] SCHMIDT, MARKO, DE  
[72] PETACK, BURKHARD, DE  
[72] STENZEL, THOMAS, DE  
[71] TAKRAF GMBH, DE  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/EP2014/057730)  
[87] (WO2014/170372)  
[30] DE (10 2013 207 093.4) 2013-04-19

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[21] **2,909,570**  
[13] A1

[51] **Int.Cl. H04N 21/422 (2011.01) H04N 21/436 (2011.01) H04N 21/442 (2011.01)**

[25] EN

[54] **REMOTE CONTROL FOR FIRST AND SECOND APPARATUS**

[54] **COMMANDE A DISTANCE POUR DES PREMIER ET SECOND APPAREILS**

[72] THISSEN, ROGIER LOUIS JACQUES WILLEM, NL

[72] DEN OUDEN, TEUNIS, NL

[71] HOME CONTROL SINGAPORE PTE. LTD., SG

[85] 2015-10-15

[86] 2014-04-15 (PCT/EP2014/057643)

[87] (WO2014/170335)

[30] EP (13163944.5) 2013-04-16

[21] **2,909,572**  
[13] A1

[51] **Int.Cl. F16C 25/02 (2006.01)**

[25] EN

[54] **ROTATING MACHINERY WITH ADAPTIVE BEARING JOURNALS AND METHODS OF OPERATING**

[54] **MACHINE TOURNANTE COMPORTANT DES TOURILLONS DE PALIER ADAPTATIFS ET PROCEDES POUR FAIRE FONCTIONNER LA MACHINE TOURNANTE**

[72] BALDASSARRE, LEONARDO, IT

[72] CIANTI, ANDREA, IT

[72] FONTANA, MICHELE, IT

[72] BERNOCCHI, ANDREA, IT

[72] PANARA, DANIELE, IT

[71] NUOVO PIGNONE SRL, IT

[85] 2015-10-15

[86] 2014-04-24 (PCT/EP2014/058341)

[87] (WO2014/174013)

[30] IT (FI2013A000092) 2013-04-24

[21] **2,909,573**  
[13] A1

[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/68 (2006.01)**

[25] FR

[54] **USE OF BARRIER BIOMARKERS FOR EVALUATING THE EFFECTIVENESS OF ACTIVE INGREDIENTS**

[54] **UTILISATION DE BIOMARQUEURS DE LA BARRIERE POUR L'EVALUATION DE L'EFFICACITE D'ACTIFS**

[72] MSIKA, PHILIPPE, FR

[72] BAUDOUIN, CAROLINE, FR

[72] BREDIF, STEPHANIE, FR

[71] LABORATOIRES EXPANSCIENCE, FR

[85] 2015-10-15

[86] 2014-04-22 (PCT/EP2014/058042)

[87] (WO2014/170495)

[30] FR (1353632) 2013-04-19

[21] **2,909,575**  
[13] A1

[51] **Int.Cl. G01V 1/40 (2006.01) G01V 1/02 (2006.01) G01V 1/42 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR GENERATING SEISMIC PULSES TO MAP SUBTERRANEAN FRACTURES**

[54] **PROCEDE ET APPAREIL PERMETTANT DE GENERER DES IMPULSIONS SISMIQUES POUR CARTOGRAPHIER DES FRACTURES SOUTERRAINES**

[72] LOVELESS, DAVID, US

[72] ERSOZ, HALUK, US

[72] HALL, LEE, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-10-15

[86] 2013-05-17 (PCT/US2013/041577)

[87] (WO2014/185929)

[21] **2,909,578**  
[13] A1

[51] **Int.Cl. C07D 405/04 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 405/14 (2006.01) C07D 417/14 (2006.01)**

[25] EN

[54] **FURANONE COMPOUNDS AS KINASE INHIBITORS**

[54] **COMPOSES DE FURANONE COMME INHIBITEURS DE KINASE**

[72] LIU, DONG, US

[72] ZHANG, MINSHENG, US

[71] ETERNITY BIOSCIENCE INC., US

[85] 2015-10-14

[86] 2014-05-08 (PCT/US2014/037247)

[87] (WO2014/182873)

[30] US (61/820,853) 2013-05-08

[21] **2,909,579**  
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4985 (2006.01) A61K 31/505 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**

[25] EN

[54] **COMBINATION THERAPY COMPRISING A TOR KINASE INHIBITOR AND N-(3-(5-FLUORO-2-(4-(2-METHOXYETHOXY)PHENYLAMINO)PYRIMIDIN-4-YLAMINO)PHENYL)ACRYLAMIDE FOR TREATING CANCER**

[54] **THERAPIE COMBINEE COMPRENANT UN INHIBITEUR DE LA KINASE TOR ET DU N-(3-(5-FLUORO-2-(4-(2-METHOXYETHOXY)PHENYLAMINO)PYRIMIDIN-4-YLAMINO)PHENYL)ACRYLAMIDE POUR LE TRAITEMENT D'UN CANCER**

[72] HEGE, KRISTEN MAE, US

[72] CHOPRA, RAJESH, US

[71] SIGNAL PHARMACEUTICALS, LLC, US

[85] 2015-10-14

[86] 2014-04-16 (PCT/US2014/034313)

[87] (WO2014/172430)

[30] US (61/813,100) 2013-04-17

[30] US (61/908,389) 2013-11-25



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[21] **2,909,580**  
[13] A1

[51] **Int.Cl. H04S 7/00 (2006.01)**  
[25] FR  
[54] **METHOD FOR PLAYING BACK THE SOUND OF A DIGITAL AUDIO SIGNAL**  
[54] **PROCEDE DE RESTITUTION SONORE D'UN SIGNAL NUMERIQUE AUDIO**  
[72] HAURAI, JEAN-LUC, FR  
[72] ROSSET, FRANCK, BE  
[71] HAURAI, JEAN-LUC, FR  
[71] ROSSET, FRANCK, BE  
[85] 2015-10-15  
[86] 2014-04-09 (PCT/FR2014/050846)  
[87] (WO2014/170580)  
[30] FR (1353473) 2013-04-17

[21] **2,909,583**  
[13] A1

[51] **Int.Cl. A61M 15/00 (2006.01) B05B 1/00 (2006.01)**  
[25] EN  
[54] **INHALER FOR A METERED DOSE AEROSOL**  
[54] **INHALATEUR POUR AEROSOL EN DOSES**  
[72] SORENSEN, BJORN O., DE  
[71] CHV PHARMA GMBH & CO. KG, DE  
[85] 2015-10-15  
[86] 2014-05-02 (PCT/EP2014/059008)  
[87] (WO2014/177703)  
[30] DE (10 2013 104 549.9) 2013-05-03

[21] **2,909,584**  
[13] A1

[51] **Int.Cl. C07K 5/12 (2006.01) C07K 1/107 (2006.01)**  
[25] EN  
[54] **SYNTHESIS OF BETA-TURN PEPTIDOMIMETIC CYCLIC COMPOUNDS**  
[54] **SYNTHESE DE COMPOSES CYCLIQUES PEPTIDOMIMETIQUES A COUDE BETA**  
[72] PASCAL, JEANICK, US  
[72] LAMA, TERESA, CA  
[71] MIMETOGEN PHARMACEUTICALS, INC., CA  
[85] 2015-10-15  
[86] 2013-06-07 (PCT/US2013/044829)  
[87] (WO2013/191926)  
[30] US (61/663,387) 2012-06-22

[21] **2,909,585**  
[13] A1

[51] **Int.Cl. A23L 1/052 (2006.01) A23L 1/0522 (2006.01) A23L 1/0526 (2006.01) A23L 1/053 (2006.01) A23L 1/29 (2006.01) A61K 9/00 (2006.01) A61K 9/10 (2006.01) A61K 47/36 (2006.01) A61K 47/38 (2006.01)**  
[25] EN  
[54] **METHOD FOR TREATING A SWALLOWING DISORDER**  
[54] **METHODE DE TRAITEMENT D'UN TROUBLE DE LA DEGLUTITION**  
[72] BURBIDGE, ADAM, CH  
[72] ENGMANN, JAN, CH  
[72] KASPAR, KALA MARIE, CH  
[72] JEDWAB, MICHAEL, CH  
[71] NESTEC S.A., CH  
[85] 2015-10-15  
[86] 2014-05-16 (PCT/EP2014/060038)  
[87] (WO2014/184329)  
[30] EP (13168363.3) 2013-05-17

[21] **2,909,586**  
[13] A1

[51] **Int.Cl. A61K 39/29 (2006.01) A61P 31/14 (2006.01)**  
[25] EN  
[54] **E1E2 HCV VACCINES AND METHODS OF USE**  
[54] **VACCINS CONTRE LE VHC E1E2 ET PROCEDES D'UTILISATION DESDITS VACCINS**  
[72] HOUGHTON, MICHAEL, CA  
[72] HOCKMAN, DARREN, CA  
[72] LAW, JOHN L., CA  
[72] LOGAN, MICHAEL, CA  
[72] TYRRELL, LORNE D., CA  
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA  
[85] 2015-10-15  
[86] 2014-05-15 (PCT/IB2014/001972)  
[87] (WO2015/132619)  
[30] US (61/823,712) 2013-05-15  
[30] US (61/887,229) 2013-10-04

[21] **2,909,587**  
[13] A1

[51] **Int.Cl. C07K 16/28 (2006.01)**  
[25] EN  
[54] **MONOCLONAL ANTIBODY DIRECTED AGAINST CXCR5**  
[54] **ANTICORPS MONOCLONAL DIRIGE CONTRE CXCR5**  
[72] POWER, CHRISTINE, FR  
[72] LEGER, OLIVIER, FR  
[72] BRADFIELD, PAUL, CH  
[71] ARES TRADING S.A., CH  
[85] 2015-10-15  
[86] 2014-04-30 (PCT/EP2014/058903)  
[87] (WO2014/177652)  
[30] EP (13166251.2) 2013-05-02

[21] **2,909,588**  
[13] A1

[51] **Int.Cl. G06G 7/66 (2006.01) G05B 17/02 (2006.01) G05D 23/19 (2006.01)**  
[25] EN  
[54] **GENERATING AND IMPLEMENTING THERMODYNAMIC MODELS OF A STRUCTURE**  
[54] **GENERATION ET MISE EN ŒUVRE DE MODELES THERMODYNAMIQUES D'UNE STRUCTURE**  
[72] MATSUOKA, YOKY, US  
[72] MALHOTRA, MARK, US  
[72] MINICH, ALLEN J., US  
[72] RUFF, JOSEPH A., US  
[71] GOOGLE INC., US  
[85] 2015-10-15  
[86] 2014-04-15 (PCT/US2014/034244)  
[87] (WO2014/172389)  
[30] US (13/866,602) 2013-04-19

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[21] **2,909,590**  
[13] A1

[51] **Int.Cl. F24F 11/00 (2006.01) F24F 11/053 (2006.01)**  
[25] EN  
[54] **AUTOMATED ADJUSTMENT OF AN HVAC SCHEDULE FOR RESOURCE CONSERVATION**  
[54] **REGLAGE AUTOMATIQUE D'UNE PROGRAMMATION DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION POUR CONSERVATION DE RESSOURCES**  
[72] MATSUOKA, YOKY, US  
[72] MALHOTRA, MARK, US  
[72] FISHER, EVAN J., US  
[71] GOOGLE INC., US  
[85] 2015-10-15  
[86] 2014-04-08 (PCT/US2014/033394)  
[87] (WO2014/172149)  
[30] US (13/866,578) 2013-04-19

[21] **2,909,592**  
[13] A1

[51] **Int.Cl. B65D 85/804 (2006.01)**  
[25] EN  
[54] **A CAPSULE FOR PREPARING EDIBLE COMPOSITIONS**  
[54] **CAPSULE POUR PREPARATION DE COMPOSITIONS COMESTIBLES**  
[72] JARISCH, CHRISTIAN, CH  
[71] NESTEC S.A., CH  
[85] 2015-10-15  
[86] 2014-06-17 (PCT/EP2014/062633)  
[87] (WO2014/206799)  
[30] EP (13173326.3) 2013-06-24

[21] **2,909,593**  
[13] A1

[51] **Int.Cl. G06F 13/00 (2006.01) H04M 3/56 (2006.01) H04N 7/15 (2006.01)**  
[25] EN  
[54] **COMMUNICATIONS MANAGEMENT SYSTEM AND COMMUNICATIONS MANAGEMENT METHOD**  
[54] **SYSTEME ET PROCEDE DE GESTION DE COMMUNICATIONS**  
[72] KATO, YOSHINAGA, JP  
[72] KAJI, KATSUYUKI, JP  
[71] RICOH COMPANY, LTD., JP  
[85] 2015-10-15  
[86] 2014-04-28 (PCT/JP2014/062289)  
[87] (WO2014/178443)  
[30] JP (2013-095704) 2013-04-30

[21] **2,909,594**  
[13] A1

[51] **Int.Cl. H02M 7/155 (2006.01)**  
[25] EN  
[54] **SINGLE PHASE BI-DIRECTIONAL AC-DC CONVERTER WITH REDUCED PASSIVE COMPONENTS SIZE AND COMMON MODE ELECTRO-MAGNETIC INTERFERENCE**  
[54] **CONVERTISSEUR ALTERNATIF CONTINU BIDIRECTIONNEL A PHASE UNIQUE AYANT TAILLE DE COMPOSANTS PASSIFS ET BROUILLAGE ELECTRO-MAGNETIQUE DE MODE COMMUN REDUITS**  
[72] MI, CHRIS, US  
[72] LI, SIQI, US  
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US  
[85] 2015-10-14  
[86] 2014-04-16 (PCT/US2014/034328)  
[87] (WO2014/172439)  
[30] US (61/812,969) 2013-04-17  
[30] US (14/251,080) 2014-04-11

[21] **2,909,595**  
[13] A1

[51] **Int.Cl. H04N 19/30 (2014.01)**  
[25] EN  
[54] **VIDEO SIGNAL PROCESSING METHOD AND APPARATUS**  
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE SIGNAL VIDEO**  
[72] OH, HYUNOH, KR  
[71] WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC., KR  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/KR2014/003370)  
[87] (WO2014/171768)  
[30] US (61/813,152) 2013-04-17  
[30] US (61/814,324) 2013-04-21

[21] **2,909,596**  
[13] A1

[51] **Int.Cl. G05D 23/20 (2006.01)**  
[25] EN  
[54] **SELECTIVE EXECUTION OF SCHEDULED OPERATIONS BY AN INTELLIGENT CONTROLLER**  
[54] **MISE EN OEUVRE SELECTIVE, PAR UN SYSTEME DE COMMANDE INTELLIGENT, D'OPERATIONS DE COMMANDE PROGRAMMEES**  
[72] MATSUOKA, YOKY, US  
[72] FISHER, EVAN J., US  
[72] MALHOTRA, MARK, US  
[72] STEFANSKI, MARK D., US  
[71] GOOGLE INC., US  
[85] 2015-10-15  
[86] 2014-04-15 (PCT/US2014/034248)  
[87] (WO2014/172393)  
[30] US (13/864,929) 2013-04-17

[21] **2,909,597**  
[13] A1

[51] **Int.Cl. C07D 499/21 (2006.01) A61K 31/43 (2006.01) A61P 31/04 (2006.01) C07D 499/68 (2006.01)**  
[25] EN  
[54] **ANTI-BACTERIAL SIDEROPHORE-AMINOPENICILLIN CONJUGATES**  
[54] **CONJUGATES SIDEROPHORE-AMINOPENICILLINE ANTIBACTERIENS**  
[72] MILLER, MARVIN J., US  
[72] JI, CHENG, US  
[72] MILLER, PATRICIA A., US  
[71] UNIVERSITY OF NOTRE DAME DU LAC, US  
[85] 2015-10-15  
[86] 2013-10-23 (PCT/US2013/066408)  
[87] (WO2014/171971)  
[30] US (13/865,801) 2013-04-18

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[21] **2,909,598**  
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING A LIQUEFIED HYDROCARBON STREAM**

[54] **PROCEDE ET APPAREIL DE PRODUCTION D'UN FLUX D'HYDROCARBURE LIQUEFIE**

[72] VAN AMELSVOORT, JAN, NL  
[72] SANTOS, ALEXANDRE M. C. R., MY  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2015-10-15  
[86] 2014-03-21 (PCT/EP2014/055765)  
[87] (WO2014/173593)  
[30] EP (13164692.9) 2013-04-22

[21] **2,909,599**  
[13] A1

[51] **Int.Cl. B29C 70/72 (2006.01) B29C 70/74 (2006.01)**

[25] EN

[54] **COMPOSITE ARTICLE INCLUDING COMPOSITE TO METAL INTERLOCK AND METHOD OF FABRICATION**

[54] **ARTICLE COMPOSITE QUI COMPREND UN RACCORD COMPOSITE/METAL, ET PROCEDE DE FABRICATION**

[72] SINHA, SHATIL, US  
[72] FINN, SCOTT, ROGER, US  
[72] KRAY, NICHOLAS, JOSEPH, US  
[72] BAEHMANN, PEGGY, LYNN, US  
[72] SHIM, DONG, JIN, US  
[72] GEMEINHARDT, GREGORY, CARL, US

[71] GENERAL ELECTRIC COMPANY, US

[85] 2015-10-15  
[86] 2014-04-09 (PCT/US2014/033531)  
[87] (WO2014/179009)  
[30] US (13/872,317) 2013-04-29

[21] **2,909,600**  
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) A61F 2/02 (2006.01) A61F 2/12 (2006.01) A61M 29/00 (2006.01)**

[25] EN

[54] **TISSUE EXPANDERS, IMPLANTS, AND METHODS OF USE**

[54] **EXTENSIONS DE TISSU, IMPLANTS, ET PROCEDES D'UTILISATION**

[72] PAYNE, MARK F., US  
[72] HAN, RYAN S., US  
[72] RICE, JACOB JAY, US  
[72] JACOBS, EADON, US  
[72] DODSON, SCOTT ALLEN, US  
[71] AIRXPANDERS, INC., US

[85] 2015-10-15  
[86] 2014-02-21 (PCT/US2014/017783)  
[87] (WO2014/130863)  
[30] US (61/767,754) 2013-02-21  
[30] US (61/767,758) 2013-02-21

[21] **2,909,601**  
[13] A1

[51] **Int.Cl. H04N 19/30 (2014.01)**

[25] EN

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

[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE SIGNAL VIDEO**

[72] OH, HYUNOH, KR  
[71] WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC., KR

[85] 2015-10-15  
[86] 2014-07-07 (PCT/KR2014/006043)  
[87] (WO2015/005621)  
[30] US (61/843,424) 2013-07-07

[21] **2,909,602**  
[13] A1

[51] **Int.Cl. C04B 35/56 (2006.01) C04B 35/563 (2006.01) C04B 35/565 (2006.01) C04B 35/573 (2006.01) C04B 35/628 (2006.01) C04B 35/65 (2006.01) C04B 35/80 (2006.01) C04B 35/83 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING A COMPOSITE MATERIAL WITH A CARBIDE MATRIX**

[54] **PROCEDE DE FABRICATION DE MATERIAU COMPOSITE A MATRICE CARBURE**

[72] JACQUES, SYLVAIN, FR  
[72] LEDAIN, OLIVIER, FR  
[72] MAILLE, LAURENCE, FR  
[72] DELCAMP, ADRIEN, FR  
[72] PIQUERO, THIERRY, FR  
[71] HERAKLES, FR

[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR

[85] 2015-10-15  
[86] 2014-04-10 (PCT/FR2014/050868)  
[87] (WO2014/170585)  
[30] FR (1353623) 2013-04-19

[21] **2,909,603**  
[13] A1

[51] **Int.Cl. B29C 33/38 (2006.01) B29C 45/04 (2006.01) B29C 45/26 (2006.01) B29C 45/73 (2006.01) B29C 45/77 (2006.01)**

[25] EN

[54] **LOW CONSTANT PRESSURE INJECTION MOLDING SYSTEM WITH VARIABLE-POSITION MOLDING CAVITIES**

[54] **SYSTEME DE MOULAGE PAR INJECTION A PRESSION CONSTANTE FAIBLE DOTE DE CAVITES DE MOULAGE A POSITION VARIABLE**

[72] ALTONEN, GENE MICHAEL, US  
[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2015-10-15  
[86] 2014-04-16 (PCT/US2014/034259)  
[87] (WO2014/186086)  
[30] US (61/822,661) 2013-05-13

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[21] **2,909,604**  
[13] A1

[51] **Int.Cl. A23K 1/00 (2006.01) A01K 11/00 (2006.01)**  
[25] EN  
[54] **COMESTIBLE PLAY TREAT FOR COMPANION ANIMALS**  
[54] **JOUET COMESTIBLE POUR ANIMAUX DE COMPAGNIE**  
[72] DIXON, DAN KENNETH, US  
[72] LYN, SANDRA, US  
[72] LEIWEKE, MICHAEL E., US  
[71] NESTEC S.A., CH  
[85] 2015-10-14  
[86] 2014-04-16 (PCT/US2014/034331)  
[87] (WO2014/172441)  
[30] US (61/813,308) 2013-04-18

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[21] **2,909,605**  
[13] A1

[51] **Int.Cl. H04J 14/02 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR APPLYING SYSTEM POLICIES IN AN OPTICAL COMMUNICATION SYSTEM HAVING USER-ALLOCATED BANDWIDTH**  
[54] **SYSTEME ET PROCEDE POUR APPLIQUER DES POLITIQUES DE SYSTEME DANS UN SYSTEME DE COMMUNICATION OPTIQUE A BANDE PASSANTE ATTRIBUEE AUX UTILISATEURS**  
[72] MUTH, EDWIN, US  
[72] NYMAN, BRUCE, US  
[72] ENGLUND, MARK, AU  
[72] GARRETT, LARA, US  
[72] JANDER, RALPH BRIAN, US  
[71] TYCO ELECTRONICS SUBSEA COMMUNICATIONS LLC, US  
[71] TE AUSTRALIA PTY LIMITED, AU  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/US2014/034302)  
[87] (WO2014/176086)  
[30] US (61/816,684) 2013-04-26  
[30] US (14/184,199) 2014-02-19

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[21] **2,909,606**  
[13] A1

[51] **Int.Cl. E21B 34/14 (2006.01) E21B 23/00 (2006.01) E21B 27/00 (2006.01) E21B 33/134 (2006.01)**  
[25] EN  
[54] **A JUNK CATCHER AND A METHOD OF OPERATION OF SAME**  
[54] **COLLECTEUR DE DECHETS ET SON PROCEDE DE FONCTIONNEMENT**  
[72] PEDERSEN, DAG RAVN, NO  
[72] LOVSLETT, ROBIN, NO  
[72] ZAKARIA, HASSAN, NO  
[72] TINNEN, BARD MARTIN, NO  
[71] ALTUS INTERVENTION AS, NO  
[85] 2015-10-15  
[86] 2014-04-24 (PCT/NO2014/050063)  
[87] (WO2014/175750)  
[30] NO (20130569) 2013-04-25

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[21] **2,909,607**  
[13] A1

[51] **Int.Cl. A61B 3/14 (2006.01)**  
[25] EN  
[54] **AN EYE IMAGING APPARATUS WITH A WIDE FIELD OF VIEW AND RELATED METHODS**  
[54] **APPAREIL D'IMAGERIE OCULAIRE AYANT UN LARGE CHAMP DE VISION ET PROCEDES ASSOCIES**  
[72] SU, WEI, US  
[71] VISUNEX MEDICAL SYSTEMS CO. LTD., KY  
[85] 2015-10-15  
[86] 2014-02-26 (PCT/US2014/018800)  
[87] (WO2014/149481)  
[30] US (13/845,069) 2013-03-17

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[21] **2,909,608**  
[13] A1

[51] **Int.Cl. G01D 4/00 (2006.01) G06Q 30/04 (2012.01) F24D 19/10 (2006.01)**  
[25] FR  
[54] **METHOD AND DEVICE FOR INDICATING THE FUEL CONSUMPTION AND/OR EFFICIENCY OF A HEATING INSTALLATION**  
[54] **METHODE ET DISPOSITIF POUR INDIQUER LA CONSOMMATION ET/OU L'EFFICACITE D'UNE INSTALLATION DE CHAUFFAGE**  
[72] JACQUET, LUC, FR  
[71] BOOSTHEAT, FR  
[85] 2015-10-15  
[86] 2014-04-22 (PCT/FR2014/050967)  
[87] (WO2014/174199)  
[30] FR (13 53735) 2013-04-24

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[21] **2,909,609**  
[13] A1

[51] **Int.Cl. C02F 9/00 (2006.01) C02F 3/00 (2006.01) C02F 11/06 (2006.01) C02F 11/12 (2006.01) C02F 11/18 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR TREATING WASTEWATER AND RESULTING SLUDGE**  
[54] **SYSTEME ET PROCEDE PERMETTANT DE TRAITER DES EAUX USEES ET BOUE AINSI OBTENUE**  
[72] DIMASSIMO, RICHARD, US  
[72] HOJSGAARD, SOREN, DK  
[71] VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT, FR  
[85] 2015-10-15  
[86] 2014-04-14 (PCT/US2014/033988)  
[87] (WO2014/172273)  
[30] US (13/862,805) 2013-04-15

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[21] **2,909,610**  
[13] A1

[51] **Int.Cl. H04L 12/803 (2013.01) H04L 12/24 (2006.01)**

[25] EN

[54] **CONNECTION PUBLISHING IN A DISTRIBUTED LOAD BALANCER**

[54] **PUBLICATION DE CONNEXION DANS UN DISPOSITIF D'EQUILIBRAGE DE CHARGES REPARTI**

[72] SORENSON, JAMES CHRISTOPHER, III, US

[72] LAURENCE, DOUGLAS STEWART, US

[72] SRINIVASAN, VENKATRAGHAVAN, US

[72] VAIDYA, AKSHAY SUHAS, US

[71] AMAZON TECHNOLOGIES, INC., US

[85] 2015-10-14

[86] 2014-04-16 (PCT/US2014/034424)

[87] (WO2014/172498)

[30] US (13/864,138) 2013-04-16

[21] **2,909,611**  
[13] A1

[51] **Int.Cl. B64D 47/08 (2006.01) B64C 27/04 (2006.01)**

[25] EN

[54] **SWING DOWN MOUNT FOR HELICOPTER AND METHOD FOR OPERATING SAME**

[54] **SUPPORT OSCILLANT VERS LE BAS POUR HELICOPTERE ET SON PROCEDE DE FONCTIONNEMENT**

[72] GOODMAN, RONALD C., US

[71] SPACECAM SYSTEMS, INC., US

[85] 2015-10-15

[86] 2014-03-07 (PCT/US2014/022073)

[87] (WO2014/150063)

[30] US (61/800,058) 2013-03-15

[30] US (14/058,045) 2013-10-18

[21] **2,909,612**  
[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01) A62B 9/04 (2006.01) A62B 18/08 (2006.01)**

[25] EN

[54] **AUTOMATICALLY ADJUSTING HEADGEAR FOR PATIENT INTERFACE**

[54] **GARNITURE DE TETE A AJUSTEMENT AUTOMATIQUE POUR UNE INTERFACE PATIENT**

[72] MCLAREN, MARK ARVIND, NZ

[72] HAMMER, JEROEN, NZ

[72] KAPELEVICH, VITALY, NZ

[72] HUDDART, BRETT JOHN, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2015-10-15

[86] 2014-04-24 (PCT/NZ2014/000074)

[87] (WO2014/175752)

[30] US (61/815,624) 2013-04-24

[30] US (61/866,953) 2013-08-16

[30] US (61/866,926) 2013-08-16

[30] US (61/871,789) 2013-08-29

[30] US (61/945,727) 2014-02-27

[21] **2,909,613**  
[13] A1

[51] **Int.Cl. H04W 4/12 (2009.01) H04W 12/02 (2009.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR TRACKING SMS MESSAGES**

[54] **SYSTEME ET PROCEDE POUR SUIVRE DES MESSAGES SMS**

[72] MOSHIR, KEVIN K., US

[72] MOSHIR, SEAN, US

[72] ARMSTRONG, JAY M., US

[72] PANICKO, BRIAN STANLEY, US

[71] CELLTRUST CORPORATION, US

[85] 2015-10-14

[86] 2014-05-20 (PCT/US2014/038713)

[87] (WO2014/189882)

[30] US (61/825,496) 2013-05-20

[21] **2,909,615**  
[13] A1

[51] **Int.Cl. A61B 17/02 (2006.01) A61B 1/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR RETRACTING TISSUE**

[54] **PROCEDE ET APPAREIL PERMETTANT D'ECARTER DES TISSUS**

[72] DESANTIS, STEPHEN, US

[72] VAYSER, ALEX, US

[72] RIMER, DOUGLAS, US

[72] BOUCHER, RYAN, US

[72] WAYNE, DAVID, US

[71] INVUITY, INC., US

[85] 2015-10-15

[86] 2014-04-30 (PCT/US2014/036212)

[87] (WO2014/179484)

[30] US (61/817,508) 2013-04-30

[30] US (14/264,406) 2014-04-29

[21] **2,909,616**  
[13] A1

[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/06 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING A LIQUEFIED HYDROCARBON STREAM**

[54] **PROCEDE ET APPAREIL DE PRODUCTION D'UN FLUX D'HYDROCARBURE LIQUEFIE**

[72] VAN AMELSVOORT, JAN, NL

[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2015-10-15

[86] 2014-03-25 (PCT/EP2014/055960)

[87] (WO2014/173599)

[30] EP (13164691.1) 2013-04-22

[21] **2,909,617**  
[13] A1

[51] **Int.Cl. B65B 13/18 (2006.01)**

[25] EN

[54] **SUPPORTED STRAP TWIST DEVICE**

[54] **DISPOSITIF DE TORSION DE SANGLE TENUE**

[72] TERMANAS, JEFFREY, D., US

[71] SIGNODE INTERNATIONAL IP HOLDINGS LLC, US

[85] 2015-10-15

[86] 2014-04-14 (PCT/US2014/034008)

[87] (WO2014/172279)

[30] US (61/812,583) 2013-04-16

[30] US (14/250,952) 2014-04-11

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[21] **2,909,618**  
[13] A1

[51] **Int.Cl. G08B 13/24 (2006.01) E05B 73/00 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR VERIFICATION OF SECURITY TAG DETACHMENT**

[54] **SYSTEMES ET PROCEDES POUR LA VERIFICATION DE LA SEPARATION D'ETIQUETTES DE SECURITE**

[72] HALL, STEWART E., US

[72] MAITIN, STEVEN R., US

[71] TYCO FIRE & SECURITY GMBH, CH

[85] 2015-10-15

[86] 2014-03-11 (PCT/US2014/023723)

[87] (WO2014/164895)

[30] US (61/775,936) 2013-03-11

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[21] **2,909,619**  
[13] A1

[51] **Int.Cl. H04N 21/422 (2011.01) G06F 3/0338 (2013.01) G06F 3/0362 (2013.01) H01H 19/14 (2006.01)**

[25] EN

[54] **REMOTE CONTROLLER FOR ELECTRONIC APPLIANCES SUCH AS TELEVISION AND THE LIKE**

[54] **TELECOMMANDE DESTINEE A DES APPAREILS ELECTRONIQUES TELS QUE DES TELEVISIONS ET AUTRES**

[72] OLIVAR, DANTE, PH

[71] OLIVAR, DANTE, PH

[85] 2015-10-15

[86] 2013-06-14 (PCT/PH2013/000015)

[87] (WO2014/182183)

[30] PH (22013000203) 2013-05-06

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[21] **2,909,620**  
[13] A1

[51] **Int.Cl. A61K 38/12 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **STAPLED AND STITCHED POLYPEPTIDES AND USES THEREOF**

[54] **POLYPEPTIDES A AGRAFES ET A SUTURE ET LEURS UTILISATIONS**

[72] VERDINE, GREGORY L., US

[72] HILINSKI, GERARD, US

[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US

[85] 2015-10-15

[86] 2014-03-13 (PCT/US2014/025544)

[87] (WO2014/159969)

[30] US (61/779,917) 2013-03-13

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[21] **2,909,621**  
[13] A1

[51] **Int.Cl. H04L 12/803 (2013.01) H04L 12/12 (2006.01) H04L 12/26 (2006.01)**

[25] EN

[54] **DISTRIBUTED LOAD BALANCER**

[54] **DISPOSITIF D'EQUILIBRAGE DE CHARGES REPARTI**

[72] SORENSON, JAMES CHRISTOPHER, III, US

[72] LAURENCE, DOUGLAS STEWART, US

[72] SRINIVASAN, VENKATRAGHAVAN, US

[72] VAIDYA, AKSHAY SUHAS, US

[72] ZHANG, FAN, US

[71] AMAZON TECHNOLOGIES, INC., US

[85] 2015-10-14

[86] 2014-04-16 (PCT/US2014/034428)

[87] (WO2014/172500)

[30] US (13/864,167) 2013-04-16

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[21] **2,909,622**  
[13] A1

[51] **Int.Cl. A61K 31/215 (2006.01) A61K 31/216 (2006.01) A61P 27/02 (2006.01) A61P 27/06 (2006.01) C07C 69/608 (2006.01) C07C 69/612 (2006.01) C07C 69/635 (2006.01)**

[25] EN

[54] **QUINONE BASED NITRIC OXIDE DONATING COMPOUNDS FOR OPHTHALMIC USE**

[54] **COMPOSES DONNEURS D'OXYDE NITRIQUE A BASE DE QUINONE A USAGE OPHTALMIQUE**

[72] ALMIRANTE, NICOLETTA, IT

[72] STORONI, LAURA, IT

[72] RONSIN, GAEL, IT

[72] BASTIA, ELENA, IT

[71] NICOX SCIENCE IRELAND, IE

[85] 2015-10-15

[86] 2014-04-14 (PCT/EP2014/057515)

[87] (WO2014/170264)

[30] EP (13164236.5) 2013-04-18

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[21] **2,909,623**  
[13] A1

[51] **Int.Cl. C08K 3/22 (2006.01) H01B 3/02 (2006.01) H01B 3/12 (2006.01) H01B 3/44 (2006.01) H01B 7/06 (2006.01) H01B 13/008 (2006.01)**

[25] EN

[54] **THE METHOD OF PRODUCING SELF-ROLLING ELONGATE ELEMENT, IN PARTICULAR AN ELECTRIC CABLE AND SELF-ROLLING ELONGATE ELEMENT, IN PARTICULAR AN ELECTRIC CABLE**

[54] **PROCEDE DE PRODUCTION D'UN ELEMENT ALLONGE AUTO-ENROULABLE, EN PARTICULIER UN CABLE ELECTRIQUE, ET ELEMENT ALLONGE AUTO-ENROULABLE, EN PARTICULIER CABLE ELECTRIQUE**

[72] JUSZKO, RAFAL, PL

[72] WODO, WOJCIECH, PL

[71] JUSZKO, RAFAL, PL

[85] 2015-10-15

[86] 2014-04-16 (PCT/PL2014/000039)

[87] (WO2014/175754)

[30] PL (P.403630) 2013-04-22

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[21] **2,909,624**  
[13] A1

[51] **Int.Cl. B01D 46/00 (2006.01) B01D 46/02 (2006.01)**  
[25] EN  
[54] **COLLAPSIBLE AIR FILTERING DEVICE**  
[54] **DISPOSITIF PLIABLE DE FILTRATION D'AIR**  
[72] GRUENBACHER, DANA PAUL, US  
[72] SCHROECK, STEVEN JAMES, US  
[72] LEON, JESSICA ELIZABETH, US  
[72] DAL BO, PAOLO, DE  
[72] SCHOBER, UWE, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-15  
[86] 2014-05-09 (PCT/US2014/037424)  
[87] (WO2014/182985)  
[30] US (61/821,359) 2013-05-09

[21] **2,909,625**  
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4985 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01)**  
[25] EN  
[54] **COMBINATION THERAPY COMPRISING A TOR KINASE INHIBITOR AND A 5-SUBSTITUTED QUINAZOLINONE COMPOUND FOR TREATING CANCER**  
[54] **POLYTHERAPIE COMPRENANT UN INHIBITEUR DE KINASE TOR ET UN COMPOSE DE QUINAZOLINONE SUBSTITUE EN 5 POUR LE TRAITEMENT DU CANCER**  
[72] HEGE, KRISTEN MAE, US  
[72] CHOPRA, RAJESH, US  
[72] RAYMON, HEATHER, US  
[71] SIGNAL PHARMACEUTICALS, LLC, US  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/US2014/034321)  
[87] (WO2014/172436)  
[30] US (61/813,089) 2013-04-17  
[30] US (61/908,408) 2013-11-25

[21] **2,909,626**  
[13] A1

[51] **Int.Cl. C07J 15/00 (2006.01) C07C 21/22 (2006.01) C07D 317/72 (2006.01) C07F 7/08 (2006.01) C07F 7/18 (2006.01) C07F 9/535 (2006.01) C07J 61/00 (2006.01) F41B 5/12 (2006.01) F41B 5/18 (2006.01)**  
[25] EN  
[54] **POWER ASSISTED BOW**  
[54] **ARC A ASSISTANCE D'ENERGIE**  
[72] PEACEMAKER, SAMUEL R., US  
[72] PEACEMAKER, BENJAMIN, US  
[72] PEACEMAKER, ZACHARY, US  
[71] SOS SOLUTIONS, INC., US  
[85] 2015-10-15  
[86] 2014-03-14 (PCT/US2014/029558)  
[87] (WO2014/144945)  
[30] US (61/802,167) 2013-03-15

[21] **2,909,627**  
[13] A1

[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/02 (2006.01)**  
[25] EN  
[54] **DRILL BIT WITH SELF-ADJUSTING PADS**  
[54] **TREPAN A PLAQUETTES AUTO-AJUSTABLES**  
[72] JAIN, JAYESH R., US  
[72] BILEN, JUAN MIGUEL, US  
[71] BAKER HUGHES INCORPORATED, US  
[85] 2015-10-14  
[86] 2014-04-17 (PCT/US2014/034493)  
[87] (WO2014/172538)  
[30] US (13/864,926) 2013-04-17

[21] **2,909,628**  
[13] A1

[51] **Int.Cl. C25B 15/08 (2006.01) C02F 1/42 (2006.01) C25B 1/04 (2006.01)**  
[25] EN  
[54] **METHOD FOR OPERATING AN ELECTROLYSIS DEVICE**  
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF D'ELECTROLYSE**  
[72] SMARSCH, SVETLANA, DE  
[72] MANTAI, NILS, DE  
[72] BULOW, NORBERT, DE  
[72] WURFEL, CLAUS, DE  
[72] WILKEN, DENNIS, DE  
[72] KUTER, UWE, DE  
[72] HOLLER, STEFAN, DE  
[71] H-TEC SYSTEMS GMBH, DE  
[85] 2015-10-15  
[86] 2014-04-14 (PCT/EP2014/057544)  
[87] (WO2014/170281)  
[30] EP (13164529.3) 2013-04-19

[21] **2,909,630**  
[13] A1

[51] **Int.Cl. F42B 7/04 (2006.01) F42B 7/06 (2006.01)**  
[25] EN  
[54] **SHOTSHELL WITH REDUCED DISPERSION OF PROJECTILES**  
[54] **CARTOUCHE A PLOMBS AVEC DISPERSION REDUITE DE PROJECTILES**  
[72] MEYER, STEPHEN W., US  
[71] OLIN CORPORATION, US  
[85] 2015-10-15  
[86] 2014-03-17 (PCT/US2014/030528)  
[87] (WO2014/145719)  
[30] US (61/790,025) 2013-03-15

[21] **2,909,631**  
[13] A1

[51] **Int.Cl. E21B 21/10 (2006.01) F16K 11/02 (2006.01)**  
[25] EN  
[54] **POPPET VALVE WITH VARIABLE DAMPENER AND ELASTICALLY SUPPORTED GUIDE**  
[54] **SOUPAPE CHAMPIGNON AYANT UN AMORTISSEUR VARIABLE ET UN GUIDE SOUTENU ELASTIQUEMENT**  
[72] MARICA, ADRIAN, US  
[71] NATIONAL OILWELL VARCO, L.P., US  
[85] 2015-10-14  
[86] 2014-04-17 (PCT/US2014/034563)  
[87] (WO2014/172578)  
[30] US (61/813,221) 2013-04-18

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[21] **2,909,632**  
[13] A1

[51] **Int.Cl. H04W 76/02 (2009.01)**  
[25] EN  
[54] **CONCURRENT WIRELESS COMMUNICATIONS OVER LICENSED AND UNLICENSED SPECTRUM**

[54] **COMMUNICATIONS SANS FIL SIMULTANES SUR UN SPECTRE SOUS LICENCE ET SANS LICENCE**

[72] BHUSHAN, NAGA, US  
[72] MALLADI, DURGA PRASAD, US  
[72] WEI, YONGBIN, US  
[72] GAAL, PETER, US  
[72] LUO, TAO, US  
[72] JI, TINGFANG, US  
[72] HORN, GAVIN BERNARD, US  
[72] CHEN, WANSHI, US  
[72] DAMNJANOVIC, ALEKSANDAR, US

[71] QUALCOMM INCORPORATED, US  
[85] 2015-10-14  
[86] 2014-05-20 (PCT/US2014/038761)  
[87] (WO2014/189908)  
[30] US (61/825,459) 2013-05-20  
[30] US (14/281,677) 2014-05-19

[21] **2,909,633**  
[13] A1

[51] **Int.Cl. A01N 43/04 (2006.01) A61K 31/70 (2006.01)**

[25] EN  
[54] **PHARMACEUTICAL COMPOSITION COMPRISING AN AMPK ACTIVATOR AND A SEROTONERGIC AGENT AND METHODS OF USE THEREOF**

[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN ACTIVATEUR D'AMPK ET UN AGENT SEROTONINERGIQUE ET PROCEDES D'UTILISATION CORRESPONDANTS**

[72] CHEN, CHIEN-HUNG, US  
[71] ALS MOUNTAIN LLC, US  
[71] CHEN, CHIEN-HUNG, US  
[85] 2015-10-14  
[86] 2014-03-14 (PCT/US2014/028413)  
[87] (WO2014/144130)  
[30] US (61/793,407) 2013-03-15

[21] **2,909,634**  
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01)**  
[25] EN  
[54] **TESTING SYSTEM**  
[54] **SYSTEME DE TEST**

[72] LIN, YIN, GB  
[72] LAHTI, KENNETH, GB  
[72] BARTRAM, DAVE, GB  
[72] INCEOGLU, ILKE, GB  
[71] SHL GROUP LTD, GB  
[85] 2015-10-16  
[86] 2013-04-16 (PCT/GB2013/000170)  
[87] (WO2013/156746)  
[30] GB (1206728.6) 2012-04-16  
[30] GB (1207285.6) 2012-04-25

[21] **2,909,635**  
[13] A1

[51] **Int.Cl. G09G 3/30 (2006.01) G02F 1/1333 (2006.01) G03B 21/14 (2006.01)**

[25] EN  
[54] **MULTI-HALF-TONE IMAGING AND DUAL MODULATION PROJECTION/DUAL MODULATION LASER PROJECTION**

[54] **IMAGERIE EN DEMI-TEINTES MULTIPLES ET PROJECTION A MODULATION DOUBLE/PROJECTION LASER A MODULATION DOUBLE**

[72] RICHARDS, MARTIN J., US  
[72] SHIELDS, JEROME, US  
[71] DOLBY LABORATORIES LICENSING CORPORATION, US  
[85] 2015-10-15  
[86] 2014-04-14 (PCT/US2014/034010)  
[87] (WO2014/182404)  
[30] US (61/820,680) 2013-05-07  
[30] US (61/820,683) 2013-05-07

[21] **2,909,636**  
[13] A1

[51] **Int.Cl. A61K 39/395 (2006.01) A61K 39/40 (2006.01) A61P 1/12 (2006.01) A61P 31/04 (2006.01)**

[25] EN  
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT AND/OR PROPHYLAXIS OF CLOSTRIDIUM DIFFICILE ASSOCIATED DISEASE**

[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT ET/OU LA PROPHYLAXIE D'UNE MALADIE ASSOCIEE A CLOSTRIDIUM DIFFICILE**

[72] LYRAS, DENA, AU  
[72] HUTTON, MELANIE, AU  
[72] CUNNINGHAM, BLISS, AU  
[72] LI, LUCY, AU  
[72] CARTER, GLEN, AU  
[72] ROOD, JULIAN, AU  
[71] IMMURON LIMITED, AU  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/AU2014/000447)  
[87] (WO2014/169344)  
[30] AU (2013901386) 2013-04-19

[21] **2,909,637**  
[13] A1

[51] **Int.Cl. C12N 5/079 (2010.01) C12N 5/0793 (2010.01) C12N 5/0797 (2010.01)**

[25] EN  
[54] **MEDIA COMPOSITIONS FOR NEURONAL CELL CULTURE**

[54] **COMPOSITIONS DE MILIEUX DE CULTURE DE CELLULES NEURONALES**

[72] GAGE, FRED H., US  
[72] BARDY, CEDRIC, US  
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US  
[85] 2015-10-14  
[86] 2014-04-17 (PCT/US2014/034565)  
[87] (WO2014/172580)  
[30] US (61/813,034) 2013-04-17



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[51] <b>Int.Cl. H04W 74/08 (2009.01)</b> [25] EN [54] <b>LISTEN-BEFORE-TALK RESERVATION SCHEME FOR WIRELESS COMMUNICATIONS OVER UNLICENSED SPECTRUM</b>	[51] <b>Int.Cl. H04W 72/04 (2009.01)</b> [25] EN [54] <b>WIRELESS FEEDBACK COMMUNICATIONS OVER UNLICENSED SPECTRUM</b>	[51] <b>Int.Cl. C12Q 1/68 (2006.01)</b> [25] EN [54] <b>MARKERS OF TUMOR CELL RESPONSE TO ANTI-CANCER THERAPY</b>
[54] <b>SYSTEME DE RESERVATION D'ACCES MULTIPLE AVEC ECOUTE DE PORTEUSE POUR DES COMMUNICATIONS SANS FIL PAR UN SPECTRE SANS LICENCE</b>	[54] <b>COMMUNICATIONS DE RETROACTION SANS FIL SUR SPECTRE NON SOUMIS A LICENCE</b>	[54] <b>MARQUEURS DE LA REPONSE D'UNE CELLULE TUMORALE A UN TRAITEMENT ANTICANCER</b>
[72] BHUSHAN, NAGA, US [72] MALLADI, DURGA PRASAD, US [72] WEI, YONGBIN, US [72] GAAL, PETER, US [72] LUO, TAO, US [72] JI, TINGFANG, US [72] HORN, GAVIN BERNARD, US [72] CHEN, WANSHI, US [72] DAMNJANOVIC, ALEKSANDAR, US	[72] BHUSHAN, NAGA, US [72] MALLADI, DURGA PRASAD, US [72] WEI, YONGBIN, US [72] GAAL, PETER, US [72] LUO, TAO, US [72] JI, TINGFANG, US [72] HORN, GAVIN BERNARD, US [72] CHEN, WANSHI, US [72] DAMNJANOVIC, ALEKSANDAR, US	[72] FRENDEWEY, DAVID, US [72] DROGUETT, GUSTAVO, US [72] KOSS, MATTHEW, US [72] THURSTON, GAVIN, US [72] YANCOPOULOS, GEORGE D., US [71] REGENERON PHARMACEUTICALS, INC., US
[71] QUALCOMM INCORPORATED, US [85] 2015-10-14 [86] 2014-05-20 (PCT/US2014/038765) [87] (WO2014/189912) [30] US (61/825,459) 2013-05-20 [30] US (14/281,617) 2014-05-19	[71] QUALCOMM INCORPORATED, US [85] 2015-10-14 [86] 2014-05-20 (PCT/US2014/038767) [87] (WO2014/189913) [30] US (61/825,459) 2013-05-20 [30] US (14/281,620) 2014-05-19	[85] 2015-10-15 [86] 2014-04-15 (PCT/US2014/034217) [87] (WO2014/172376) [30] US (61/812,033) 2013-04-15
[21] <b>2,909,639</b> [13] A1	[21] <b>2,909,641</b> [13] A1	[21] <b>2,909,643</b> [13] A1
[51] <b>Int.Cl. F23J 11/00 (2006.01)</b> [25] EN [54] <b>SYSTEMS AND METHODS FOR POST COMBUSTION MERCURY CONTROL USING SORBENT INJECTION AND WET SCRUBBING</b>	[51] <b>Int.Cl. D04H 1/42 (2012.01) B31F 1/07 (2006.01) B32B 5/26 (2006.01) D04H 1/54 (2012.01) D04H 3/00 (2012.01) D04H 13/00 (2006.01)</b> [25] EN [54] <b>METHOD FOR MAKING A FIBROUS STRUCTURE COMPRISING A PLURALITY OF DISCRETE BOND SITES AND FIBROUS STRUCTURES MADE THEREWITH</b>	[51] <b>Int.Cl. G01D 9/00 (2006.01) H04W 84/18 (2009.01) G01K 13/00 (2006.01) G01N 33/02 (2006.01) G08C 17/02 (2006.01) H01M 10/052 (2010.01)</b> [25] EN [54] <b>SENSING DEVICE AND METHOD TO MONITOR PERISHABLE GOODS</b>
[54] <b>SYSTEMES ET PROCEDES POUR LE CONTROLE DE MERCURE POST COMBUSTION A L'AIDE D'INJECTION DE SORBANT ET DE LAVAGE HYDRAULIQUE</b>	[54] <b>PROCEDE PERMETTANT DE REALISER UNE STRUCTURE FIBREUSE COMPRENANT UNE PLURALITE DE SITES DE LIAISON DISCRETS ET STRUCTURES FIBREUSES REALISEES AVEC CE DERNIER</b>	[54] <b>DISPOSITIF ET PROCEDE DE DETECTION PERMETTANT DE SURVEILLER DES MARCHANDISES PERISSABLES</b>
[72] MAZYCK, DAVID W., US [72] BYRNE, HEATHER, US [71] CLEAR CARBON INNOVATIONS LLC, US	[72] BUTSCH, WILLIAM JOSEPH, US [72] MICHAEL, JOHN GERHARD, US [72] MELLIN, ANDRE, US [72] KRAUS, CHRISTOPHER SCOTT, US [72] MASSA, ALESSANDRA, US [71] THE PROCTER & GAMBLE COMPANY, US	[72] STEELE, SARA, US [72] WARKENTIN, COLIN, CA [72] DILALLA, CHRIS, CA [72] WOJTOWICZ, MIREK, CA [71] BLUENICA CORPORATION, CA
[85] 2015-10-15 [86] 2014-04-14 (PCT/US2014/034023) [87] (WO2014/172284) [30] US (61/812,575) 2013-04-16	[85] 2015-10-15 [86] 2014-04-15 (PCT/US2014/034180) [87] (WO2014/172358) [30] US (61/811,884) 2013-04-15	[85] 2015-10-16 [86] 2014-04-15 (PCT/CA2014/000354) [87] (WO2014/169375) [30] CA (2813285) 2013-04-18

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<p style="text-align: center;">[21] <b>2,909,645</b> [13] A1</p> <p>[51] <b>Int.Cl. A61K 33/42 (2006.01) A61C 19/06 (2006.01) A61K 31/198 (2006.01) A61K 31/221 (2006.01) A61K 31/405 (2006.01) A61K 31/4172 (2006.01) A61K 31/7068 (2006.01) A61K 31/7072 (2006.01) A61K 31/7076 (2006.01) A61K 31/708 (2006.01) A61N 5/06 (2006.01) A61P 1/02 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>LASER ASSISTED PERIODONTIUM AND OSSEUS REGENERATION PROTOCOL</b></p> <p>[54] <b>PROTOCOLE DE REGENERATION DE PARODONTE ET OSSEUSE ASSISTE PAR LASER</b></p> <p>[72] KALMETA, MARGARET, US</p> <p>[71] MOLECULAR SYSTEMS, LTD., US</p> <p>[71] KALMETA, MARGARET, US</p> <p>[85] 2015-10-15</p> <p>[86] 2014-04-16 (PCT/US2014/034366)</p> <p>[87] (WO2014/172459)</p> <p>[30] US (13/864,226) 2013-04-16</p>	<p style="text-align: center;">[21] <b>2,909,647</b> [13] A1</p> <p>[51] <b>Int.Cl. B29C 47/12 (2006.01) B29C 47/04 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CO-EXTRUSION DIE WITH RECTANGULAR FEED CHANNEL</b></p> <p>[54] <b>FILIERE DE CO-EXTRUSION AVEC CANAL D'ALIMENTATION RECTANGULAIRE</b></p> <p>[72] PLANETA, MIROSLAV, CA</p> <p>[72] TAMBER, HARINDER, CA</p> <p>[72] ESLAMI, HASSAN, CA</p> <p>[71] MACRO TECHNOLOGY LTD., CA</p> <p>[85] 2015-10-16</p> <p>[86] 2015-04-02 (PCT/CA2015/000238)</p> <p>[87] (WO2015/149163)</p> <p>[30] US (61/974,867) 2014-04-03</p>	<p style="text-align: center;">[21] <b>2,909,650</b> [13] A1</p> <p>[51] <b>Int.Cl. G08B 13/24 (2006.01) G07G 1/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>MOBILE EAS DEACTIVATOR</b></p> <p>[54] <b>DESACTIVATEUR D'EAS MOBILE</b></p> <p>[72] EASTER, RONALD B., US</p> <p>[72] DREW, DOUGLAS A., US</p> <p>[71] TYCO FIRE &amp; SECURITY GMBH, CH</p> <p>[85] 2015-10-16</p> <p>[86] 2014-03-14 (PCT/US2014/029255)</p> <p>[87] (WO2014/153137)</p> <p>[30] US (61/784,929) 2013-03-14</p>
<p style="text-align: center;">[21] <b>2,909,646</b> [13] A1</p> <p>[51] <b>Int.Cl. H04W 48/10 (2009.01)</b></p> <p>[25] EN</p> <p>[54] <b>BEACON TRANSMISSION OVER UNLICENSED SPECTRUM</b></p> <p>[54] <b>TRANSMISSION DE SIGNAUX DE BALISE DANS UN SPECTRE SANS LICENCE</b></p> <p>[72] BHUSHAN, NAGA, US</p> <p>[72] MALLADI, DURGA PRASAD, US</p> <p>[72] WEI, YONGBIN, US</p> <p>[72] GAAL, PETER, US</p> <p>[72] LUO, TAO, US</p> <p>[72] JI, TINGFANG, US</p> <p>[72] HORN, GAVIN BERNARD, US</p> <p>[72] CHEN, WANSHI, US</p> <p>[72] DAMNJANOVIC, ALEKSANDAR, US</p> <p>[71] QUALCOMM INCORPORATED, US</p> <p>[85] 2015-10-14</p> <p>[86] 2014-05-20 (PCT/US2014/038768)</p> <p>[87] (WO2014/189914)</p> <p>[30] US (61/825,459) 2013-05-20</p> <p>[30] US (14/281,641) 2014-05-19</p>	<p style="text-align: center;">[21] <b>2,909,648</b> [13] A1</p> <p>[51] <b>Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/94 (2006.01) A61B 17/34 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>NEEDLESCOPIC INSTRUMENT WITH REUSABLE HANDLE AND DETACHABLE NEEDLE ASSEMBLY</b></p> <p>[54] <b>INSTRUMENT DE CHIRURGIE LAPAROSCOPIQUE A L'AIGUILLE AYANT UNE POIGNEE REUTILISABLE ET UN ENSEMBLE AIGUILLE DETACHABLE</b></p> <p>[72] RAVIKUMAR, SUNDARAM, US</p> <p>[72] RAVIKUMAR, VIKRAM, US</p> <p>[72] OSBORNE, GUY, US</p> <p>[71] MINI-LAP TECHNOLOGIES, INC., US</p> <p>[85] 2015-10-15</p> <p>[86] 2014-04-16 (PCT/US2014/034397)</p> <p>[87] (WO2014/172477)</p> <p>[30] US (61/812,691) 2013-04-16</p>	<p style="text-align: center;">[21] <b>2,909,651</b> [13] A1</p> <p>[51] <b>Int.Cl. E02B 3/10 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>MOBILE FLOOD PROTECTION BARRIER SYSTEM</b></p> <p>[54] <b>SYSTEME DE BARRIERE DE PROTECTION MOBILE CONTRE LES INONDATIONS</b></p> <p>[72] SAPI, ISTVAN PETER, HU</p> <p>[71] SAPI, ISTVAN PETER, HU</p> <p>[85] 2015-10-15</p> <p>[86] 2013-04-17 (PCT/IB2013/053048)</p> <p>[87] (WO2014/170718)</p>
		<p style="text-align: center;">[21] <b>2,909,653</b> [13] A1</p> <p>[51] <b>Int.Cl. C07D 493/14 (2006.01) A61K 31/122 (2006.01) A61K 31/336 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHODS AND COMPOSITIONS FOR WOUND HEALING</b></p> <p>[54] <b>PROCEDES ET COMPOSITIONS POUR LA CICATRISATION DE PLAIES</b></p> <p>[72] REDDELL, PAUL WARREN, AU</p> <p>[72] GORDON, VICTORIA ANNE, AU</p> <p>[72] MOSELEY, RYAN, GB</p> <p>[72] STEADMAN, ROBERT, GB</p> <p>[72] MOSES, RACHAEL LOUISE, GB</p> <p>[72] BOYLE, GLEN MATHEW, AU</p> <p>[72] PARSONS, PETER GORDON, AU</p> <p>[71] QBIOTICS LIMITED, AU</p> <p>[85] 2015-10-16</p> <p>[86] 2014-04-17 (PCT/AU2014/050018)</p> <p>[87] (WO2014/169356)</p> <p>[30] AU (2013901359) 2013-04-18</p>

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[13] A1

[51] **Int.Cl. H01Q 1/22 (2006.01) H01Q 3/30 (2006.01) H01Q 7/00 (2006.01) H01Q 21/29 (2006.01)**

[25] EN

[54] **METHOD TO DRIVE AN ANTENNA COIL MAINTAINING LIMITED POWER SOURCE OUTPUT**

[54] **PROCEDE DE COMMANDE D'UNE BOBINE D'ANTENNE MAINTENANT UNE SORTIE DE SOURCE D'ENERGIE LIMITEE**

[72] PADULA, GUILLERMO H., US

[71] TYCO FIRE & SECURITY GMBH, CH

[85] 2015-10-16

[86] 2014-03-14 (PCT/US2014/029364)

[87] (WO2014/144803)

[30] US (61/798,826) 2013-03-15

[21] **2,909,656**  
[13] A1

[51] **Int.Cl. G06K 19/07 (2006.01) G06K 19/077 (2006.01)**

[25] EN

[54] **RETAIL ITEM MANAGEMENT USING WIRELESS SENSOR NETWORKS**

[54] **GESTION D'ARTICLE AU DETAIL A L'AIDE DE RESEAUX DE CAPTEURS SANS FIL**

[72] RASBAND, PAUL BRENT, US

[71] TYCO FIRE & SECURITY GMBH, CH

[85] 2015-10-16

[86] 2014-03-19 (PCT/US2014/031238)

[87] (WO2014/153417)

[30] US (13/847,216) 2013-03-19

[21] **2,909,658**  
[13] A1

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 4/00 (2009.01) H04W 4/02 (2009.01) G06Q 30/06 (2012.01) A61B 5/11 (2006.01) G06F 3/01 (2006.01) G06F 3/03 (2006.01) G08B 13/24 (2006.01) G08B 25/10 (2006.01)**

[25] EN

[54] **ELECTRONIC ARTICLE SURVEILLANCE METHOD BY FILTERING CUSTOMER HANDLING PATTERNS OF PRODUCTS FOR SALE BASED ON MOTION DETECTION OF WIRELESS SENSOR NETWORK TAGS ATTACHED TO SAID PRODUCTS**

[54] **PROCEDE DE SURVEILLANCE D'ARTICLES PAR FILTRAGE DE MODELES DE PRODUITS A VENDRE GERES PAR LES CLIENTS, PAR DETECTION DE MOUVEMENT D'ETIQUETTES D'UN RESEAU DE CAPTEURS SANS FIL ATTACHEES AUX PRODUITS**

[72] RASBAND, PAUL BRENT, US

[71] TYCO FIRE & SECURITY GMBH, CH

[85] 2015-10-16

[86] 2014-03-19 (PCT/US2014/031241)

[87] (WO2014/153418)

[30] US (13/847,229) 2013-03-19

[21] **2,909,660**  
[13] A1

[51] **Int.Cl. F01L 1/344 (2006.01) C23C 2/06 (2006.01) C23C 2/26 (2006.01) C23C 4/02 (2006.01) C23C 4/08 (2006.01) C23C 28/02 (2006.01) F16B 2/00 (2006.01)**

[25] EN

[54] **METHOD FOR MANUFACTURING STEEL COMPONENTS COMPRISING A COATING THAT HAS A HIGH COEFFICIENT OF FRICTION WHEN THEY ARE JOINED TOGETHER**

[54] **MECANISME DE DEPHASAGE A CELLULES EN AILETTES POUR UN DISPOSITIF DE DEPHASAGE D'ARBRE A CAMES**

[72] BENGS, DETLEF, DE

[71] BUTZKIES WINDPROJEKT GMBH & CO. KG, DE

[85] 2015-10-16

[86] 2014-03-10 (PCT/DE2014/100083)

[87] (WO2014/180464)

[30] DE (10 2013 104 678.9) 2013-05-07

[21] **2,909,661**  
[13] A1

[51] **Int.Cl. E21B 43/26 (2006.01)**

[25] EN

[54] **APPARATUSES AND METHODS FOR GENERATING SHOCK WAVES FOR USE IN THE ENERGY INDUSTRY**

[54] **APPAREILS ET PROCEDES DE GENERATION D'ONDES DE CHOC POUR UNE UTILISATION DANS L'INDUSTRIE ENERGETIQUE**

[72] CIOANTA, IULLIAN, US

[72] MCGHIN, CARY, US

[71] SANUWAVE, INC., US

[85] 2015-10-16

[86] 2014-04-10 (PCT/US2014/033614)

[87] (WO2014/169098)

[30] US (61/810,858) 2013-04-11

[30] US (13/866,134) 2013-04-19

[21] **2,909,662**  
[13] A1

[51] **Int.Cl. G05B 19/418 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR INTERFACING WITH SUPERVISORY MONITORING AND CONTROL ARRANGEMENTS**

[54] **APPAREIL ET PROCEDE D'INTERFACAGE AVEC DES AGENCEMENTS DE SURVEILLANCE DE SUPERVISION ET DE COMMANDE**

[72] MERRITT, DEVON SPENCER, CA

[72] SMITH, CHAD CRAIG, CA

[71] GE INTELLIGENT PLATFORMS, INC., US

[85] 2015-10-15

[86] 2013-04-25 (PCT/US2013/038100)

[87] (WO2014/175884)

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[21] **2,909,664**  
[13] A1

[51] **Int.Cl. G01N 21/88 (2006.01)**  
[25] EN  
[54] **MACHINE VISION INSPECTION SYSTEMS AND METHODS AND APERTURE COVERS FOR USE THEREWITH**  
[54] **SYSTEMES ET PROCEDES D'INSPECTION DE VISION INDUSTRIELLE ET ELEMENTS DE RECOUVREMENT D'OUVERTURE DESTINES A ETRE UTILISES AVEC CES DERNIERS**  
[72] WHITE, TIMOTHY P., US  
[71] METTLER-TOLEDO, LLC, US  
[85] 2015-10-15  
[86] 2014-05-09 (PCT/US2014/037529)  
[87] (WO2014/183058)  
[30] US (13/892,103) 2013-05-10

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[21] **2,909,665**  
[13] A1

[51] **Int.Cl. B26D 7/18 (2006.01)**  
[25] EN  
[54] **A CUTTING APPARATUS FOR CUTTING FOOD OBJECTS**  
[54] **APPAREIL DE COUPE POUR DECOUPER DES OBJETS ALIMENTAIRES**  
[72] MIKKELSEN, PETER, DK  
[72] NIELSEN, TOMAS FINNE, DK  
[71] MAREL A/S, DK  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/DK2014/050103)  
[87] (WO2014/169925)  
[30] DK (PA 2013 00234) 2013-04-19

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[21] **2,909,666**  
[13] A1

[51] **Int.Cl. H04L 12/24 (2006.01) H04W 4/00 (2009.01) H04W 8/24 (2009.01) H04W 48/02 (2009.01) H04W 48/08 (2009.01) H04L 29/08 (2006.01) H04W 48/10 (2009.01) H04W 48/12 (2009.01) H04W 56/00 (2009.01) H04W 74/00 (2009.01) H04W 74/08 (2009.01)**  
[25] EN  
[54] **SIGNALING OF SYSTEM INFORMATION TO MTC-DEVICES**  
[54] **SIGNALISATION D'INFORMATIONS DE SYSTEME A DES DISPOSITIFS MTC**  
[72] FRENGER, PAL, SE  
[72] DIMOU, KONSTANTINOS, SE  
[72] BALDEMAIR, ROBERT, SE  
[72] BERGMAN, JOHAN, SE  
[72] ERIKSSON, ERIK, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE  
[85] 2015-10-15  
[86] 2013-06-20 (PCT/SE2013/050745)  
[87] (WO2014/171868)  
[30] US (61/811,903) 2013-04-15

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[21] **2,909,667**  
[13] A1

[51] **Int.Cl. B65D 5/50 (2006.01) B65B 21/02 (2006.01) B65D 81/05 (2006.01)**  
[25] EN  
[54] **CARTON WITH ARTICLE PROTECTION FEATURE**  
[54] **BOITE PLIANTE DOTEE D'UN ELEMENT DE PROTECTION D'ARTICLE**  
[72] HOLLEY, JOHN MURDICK, US  
[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US  
[85] 2015-10-15  
[86] 2014-05-12 (PCT/US2014/037642)  
[87] (WO2014/186259)  
[30] US (61/855,305) 2013-05-13  
[30] US (61/959,162) 2013-08-16  
[30] US (61/963,653) 2013-12-10  
[30] US (14/248,650) 2014-04-09

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[21] **2,909,668**  
[13] A1

[51] **Int.Cl. F16H 61/32 (2006.01) F16H 63/18 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CONTROLLING A SHIFT-BY-WIRE TRANSMISSION**  
[54] **PROCEDE ET APPAREIL DE COMMANDE DE TRANSMISSION PAR CABLE DE CHANGEMENT DE VITESSE**  
[72] MAKI, GREGORY L., US  
[71] TEAM INDUSTRIES, INC., US  
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[54] **ELECTRET WEBS WITH CHARGE-ENHANCING ADDITIVES**  
[54] **TOILES ELECTRETS COMPORTANT DES ADDITIFS D'OPTIMISATION DE CHARGE**  
[72] SCHULTZ, NATHAN E., US  
[72] LI, FUMING B., US  
[72] SEBASTIAN, JOHN M., US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
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[25] EN  
[54] **TECHNIQUES FOR SELECTING SUBFRAME TYPE OR FOR INTERLEAVING SIGNALS FOR WIRELESS COMMUNICATIONS OVER UNLICENSED SPECTRUM**  
[54] **TECHNIQUES PERMETTANT DE SELECTIONNER UN TYPE DE SOUS-TRAME OU D'ENTRELACER DES SIGNAUX POUR COMMUNICATIONS SANS LICENCE**  
[72] BHUSHAN, NAGA, US  
[72] MALLADI, DURGA PRASAD, US  
[72] WEI, YONGBIN, US  
[72] GAAL, PETER, US  
[72] LUO, TAO, US  
[72] JI, TINGFANG, US  
[72] HORN, GAVIN BERNARD, US  
[72] CHEN, WANSHI, US  
[72] DAMNJANOVIC, ALEKSANDAR, US  
[71] QUALCOMM INCORPORATED, US  
[85] 2015-10-15  
[86] 2014-05-20 (PCT/US2014/038770)  
[72] (WO2014/189916)  
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[54] **ELECTRONIC TOOL AND METHODS FOR MEETINGS**  
[54] **OUTIL ELECTRONIQUE ET PROCEDES POUR DES REUNIONS**  
[72] BRANDS, JOHANNES WILLEM, BE  
[72] DEWAELE, RONNY RUDY, BE  
[71] BARCO N.V., BE  
[85] 2015-10-16  
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[30] GB (1206841.7) 2012-04-18

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[25] EN  
[54] **INPUT DEVICE FOR TOUCH-SENSITIVE, CAPACITIVE SURFACES**  
[54] **APPAREIL D'ENTREE POUR DES SURFACES CAPACITIVES SENSIBLES AU CONTACT**  
[72] SCHWAB, OLIVER, DE  
[72] WEISS, PETER, DE  
[72] DIX, RILKE, DE  
[72] ADLER, JURGEN, DE  
[72] CASTNER, ARNO, DE  
[72] BERGMANN, MAX, DE  
[72] VYHNAL, ALEXANDER, DE  
[71] J.S. STAEDTLER GMBH & CO. KG, DE  
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[86] 2014-04-12 (PCT/EP2014/000983)  
[87] (WO2014/180529)  
[30] DE (10 2013 008 232.3) 2013-05-08

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[25] EN  
[54] **GOLF GAME MANAGEMENT AND ENTERTAINMENT SYSTEM**  
[54] **SYSTEME DE GESTION ET DE DIVERTISSEMENT DE JEU DE GOLF**  
[72] BASTAWROS, PETER, US  
[71] BASTAWROS, PETER, US  
[85] 2015-10-16  
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[51] **Int.Cl. A47C 17/207 (2006.01)**  
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[54] **SEATING UNIT CONVERTIBLE TO BED**  
[54] **UNITE D'ASSISE POUVANT ETRE CONVERTIE EN UN LIT**  
[72] MURPHY, MARCUS L., US  
[72] HOFFMAN, D. STEPHEN, US  
[71] ULTRAMEK INC., US  
[85] 2015-10-14  
[86] 2014-05-21 (PCT/US2014/038908)  
[87] (WO2014/190012)  
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[30] US (61/907,038) 2013-11-21  
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[13] A1

[51] **Int.Cl. B43K 29/00 (2006.01) G06F 3/0354 (2013.01) G06F 3/044 (2006.01)**  
[25] EN  
[54] **USE OF A DEVICE AS AN INPUT DEVICE FOR TOUCH-SENSITIVE, CAPACITIVE SURFACES**  
[54] **UTILISATION D'UN APPAREIL COMME APPAREIL D'ENTREE POUR DES SURFACES TACTILES CAPACITIVES**  
[72] SCHWAB, OLIVER, DE  
[71] J.S. STAEDTLER GMBH & CO. KG, DE  
[85] 2015-10-16  
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[51] **Int.Cl. H01R 13/533 (2006.01) H01R 39/64 (2006.01) H01R 39/10 (2006.01) H02K 9/28 (2006.01)**

[25] EN

[54] **INTEGRATED SLIP-RING ASSEMBLY WITH INTERNAL TEMPERATURE- AFFECTING ELEMENT**

[54] **ENSEMBLE BAGUE COLLECTRICE INTEGREE COMPRENANT UN ELEMENT AGISSANT SUR LA TEMPERATURE INTERNE**

[72] COLEMAN, DONNIE S., US  
[72] HARRIS, MICHAEL H., US  
[72] WILLEMIN, TERRY A., US  
[71] MOOG INC., US  
[85] 2015-10-14  
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[51] **Int.Cl. A44B 11/25 (2006.01)**

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[54] **CLOSURE DEVICE**

[54] **DISPOSITIF DE FERMETURE**

[72] FIEDLER, JOACHIM, DE  
[72] TUCHOLKE, ARTUR, DE  
[71] FIDLOCK GMBH, DE  
[85] 2015-10-16  
[86] 2013-05-24 (PCT/EP2013/060762)  
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[13] A1

[51] **Int.Cl. C01D 15/00 (2006.01) B22F 9/02 (2006.01) C01B 21/06 (2006.01)**

[25] EN

[54] **STABILISED LITHIUM METAL FORMATIONS COATED WITH A SHELL CONTAINING NITROGEN, AND A METHOD FOR THE PRODUCTION OF SAME**

[54] **MOULAGES A BASE DE LITHIUM METAL REVETUS D'UNE COUCHE CONTENANT DE L'AZOTE ET PROCEDE DE PRODUCTION DESDITS MOULAGES**

[72] WIETELMANN, ULRICH, DE  
[72] HARTNIG, CHRISTOPH, DE  
[72] EMMEL, UTE, DE  
[72] NICKEL, VERA, DE  
[71] ROCKWOOD LITHIUM GMBH, DE  
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[13] A1

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[25] EN

[54] **COMPANION DIAGNOSTIC FOR CDK4 INHIBITORS**

[54] **DIAGNOSTIQUE COMPAGNON POUR DES INHIBITEURS DE CDK4**

[72] KOFF, ANDREW W., US  
[72] CRAGO, AIMEE, US  
[72] LIU, DAVID, US  
[72] KOVATCHEVA, MARTA, US  
[72] SINGER, SAMUEL, US  
[72] SCHWARTZ, GARY K., US  
[72] DICKSON, MARK A., US  
[72] KLEIN, MARY ELIZABETH, US  
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/US2014/034399)  
[87] (WO2014/172479)  
[30] US (61/812,412) 2013-04-16  
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[13] A1

[51] **Int.Cl. A61F 9/008 (2006.01)**

[25] EN

[54] **LASER FIDUCIALS FOR AXIS ALIGNMENT IN CATARACT SURGERY**

[54] **REPERES D'ALIGNEMENT AU LASER POUR ALIGNEMENT D'AXE EN OPERATION DE LA CATARACTE**

[72] SCOTT, DAVID D., US  
[72] DEWEY, DAVID, US  
[72] GONZALEZ, JAVIER, US  
[71] OPTIMEDICA CORPORATION, US  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/US2014/034508)  
[87] (WO2014/172545)  
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[13] A1

[51] **Int.Cl. B01J 35/00 (2006.01) B01J 2/00 (2006.01) B01J 37/00 (2006.01) B01J 37/02 (2006.01) B05B 1/00 (2006.01)**

[25] EN

[54] **METHOD AND DEVICE FOR PRODUCING SHELL CATALYSTS**

[54] **PROCEDE ET DISPOSITIF DE FABRICATION DE CATALYSEURS ENROBES**

[72] NOLL, OLIVER, DE  
[72] WALTHER, GUIDO, DE  
[72] EVERT, SIGRID, DE  
[72] MARTIN, ANDREAS, DE  
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE  
[85] 2015-10-16  
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[30] DE (10 2013 006 794.4) 2013-04-19

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[51] **Int.Cl. H04L 12/803 (2013.01) H04L 12/26 (2006.01) H04L 29/08 (2006.01)**

[25] EN

[54] **ASYMMETRIC PACKET FLOW IN A DISTRIBUTED LOAD BALANCER**

[54] **FLUX DE PAQUETS ASYMETRIQUES DANS UN DISPOSITIF D'EQUILIBRAGE DE CHARGES REPARTI**

[72] SORENSON, JAMES CHRISTOPHER, III, US

[72] LAURENCE, DOUGLAS STEWART, US

[72] SRINIVASAN, VENKATRAGHAVAN, US

[72] VAIDYA, AKSHAY SUHAS, US

[72] ZHANG, FAN, US

[71] AMAZON TECHNOLOGIES, INC., US

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[86] 2014-04-16 (PCT/US2014/034426)

[87] (WO2014/172499)

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[51] **Int.Cl. G01N 35/08 (2006.01) C12M 1/42 (2006.01) G01N 33/48 (2006.01)**

[25] EN

[54] **HIGH-SPEED ON DEMAND MICROFLUIDIC DROPLET GENERATION AND MANIPULATION**

[54] **PRODUCTION HAUTE VITESSE A LA DEMANDE DE GOUTTELETTES MICROFLUIDIQUES ET MANIPULATION**

[72] KUNG, YU-CHUN, US

[72] CHIOU, PEI-YU E., US

[72] WU, TING-HSIANG S., US

[72] CHEN, YUE, US

[72] TEITELL, MICHAEL A., US

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

[85] 2015-10-16

[86] 2014-03-13 (PCT/US2014/026185)

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[30] US (61/798,516) 2013-03-15

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[13] A1

[51] **Int.Cl. C23C 8/36 (2006.01) C21D 9/00 (2006.01) C21D 9/67 (2006.01) C23C 8/34 (2006.01)**

[25] EN

[54] **PROCESS AND APPARATUS FOR THERMOCHEMICALLY HARDENING WORKPIECES**

[54] **PROCEDE ET DISPOSITIF DE DURCISSEMENT THERMOCHIMIQUE DE PIECES**

[72] HEUER, VOLKER, DE

[72] LOSER, KLAUS, DE

[71] ALD VACUUM TECHNOLOGIES GMBH, DE

[85] 2015-10-16

[86] 2014-04-15 (PCT/EP2014/001017)

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[30] DE (10 2013 006 589.5) 2013-04-17

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[13] A1

[51] **Int.Cl. B32B 27/02 (2006.01)**

[25] EN

[54] **DISPERSIBLE ARTICLES AND METHODS OF MAKING THE SAME**

[54] **ARTICLES DISPERSIBLES ET PROCEDES DE FABRICATION ASSOCIES**

[72] VIAZMENSKY, HELEN, US

[72] DAVIS, MARTYN REGINALD SEARLE, US

[72] RIEHLE, RICHARD J., US

[72] PUTNAM, MARC CHRISTOPHER, US

[72] GOLDSTEIN, JOEL E., US

[72] BALLAS, JERRY, US

[72] CHOI, DOEUNG DAVID, US

[71] SELLARS ABSORBENT MATERIALS, INC., US

[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH

[85] 2015-10-16

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[87] (WO2014/172546)

[30] US (61/813,092) 2013-04-17

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[13] A1

[51] **Int.Cl. A61B 17/28 (2006.01) A61B 17/29 (2006.01)**

[25] EN

[54] **MINIMALLY INVASIVE SURGICAL ASSEMBLY AND METHODS**

[54] **ENSEMBLE CHIRURGICAL A INVASION MINIMALE ET PROCEDES ASSOCIES**

[72] RAVIKUMAR, SUNDARAM, US

[72] ALWARD, HENRY ALLAN, US

[72] OSBORNE, GUY, US

[71] MINI-LAP TECHNOLOGIES, INC., US

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[87] (WO2014/172503)

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[13] A1

[51] **Int.Cl. G01V 1/22 (2006.01)**

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[54] **EFFICIENT SEISMIC FILE TRANSMISSION**

[54] **TRANSMISSION EFFICACE DE FICHER SISMIQUE**

[72] MCDAVID, WILLIAM T., US

[71] INOVA LTD., KY

[85] 2015-10-15

[86] 2014-06-17 (PCT/US2014/042688)

[87] (WO2014/204932)

[30] US (61/835,876) 2013-06-17

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[13] A1

[51] **Int.Cl. B61L 29/10 (2006.01)**

[25] EN

[54] **USER CONFIGURABLE HORIZONTAL BRAKE FEATURE FOR RAILROAD CROSSING GATES**

[54] **ELEMENT DE FREIN HORIZONTAL POUVANT ETRE CONFIGURE PAR L'UTILISATEUR POUR DES BARRIERES DE PASSAGE A NIVEAU**

[72] BOHME, RICHARD C., US

[71] SIEMENS INDUSTRY, INC., US

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[86] 2014-04-15 (PCT/US2014/034085)

[87] (WO2014/172311)

[30] US (13/865,704) 2013-04-18

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[51] **Int.Cl. B01D 53/58 (2006.01)**  
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[54] **METHODS AND SYSTEMS FOR RECOVERING AMMONIA**  
[54] **PROCEDES ET SYSTEMES DE RECUPERATION D'AMMONIAC**  
[72] TAUBE, JOEL A., US  
[71] CLIMAX MOLYBDENUM COMPANY, US  
[85] 2015-10-15  
[86] 2015-03-19 (PCT/US2015/021392)  
[87] (WO2015/143111)  
[30] US (61/968,702) 2014-03-21  
[30] US (14/661,303) 2015-03-18

[21] **2,909,695**  
[13] A1

[51] **Int.Cl. C12N 5/07 (2010.01)**  
[25] EN  
[54] **AGE-MODIFIED CELLS AND METHODS FOR MAKING AGE-MODIFIED CELLS**  
[54] **CELLULES A AGE MODIFIE ET PROCEDES DE PREPARATION DE CELLULES A AGE MODIFIE**  
[72] LORENZ, STUDER, US  
[72] MILLER, JUSTINE D., US  
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US  
[85] 2015-10-15  
[86] 2014-04-16 (PCT/US2014/034435)  
[87] (WO2014/172507)  
[30] US (61/812,464) 2013-04-16  
[30] US (61/907,262) 2013-11-21

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[13] A1

[51] **Int.Cl. B64D 11/02 (2006.01)**  
[25] EN  
[54] **GREY WATER INTERFACE FOR HIGH FLOW APPLICATIONS IN VACUUM SYSTEMS**  
[54] **INTERFACE D'EAU GRISE POUR APPLICATIONS A DEBIT ELEVE DANS DES SYSTEMES A VIDE**  
[72] GOESCHEL, CHRISTOPH, US  
[72] TRAM, NGUYEN, US  
[72] VENEGAS, KATHERINE, US  
[71] MAG AEROSPACE INDUSTRIES, INC., US  
[85] 2015-10-14  
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[87] (WO2014/190127)  
[30] US (61/826,132) 2013-05-22

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[25] EN  
[54] **FOOT PEDAL SYSTEM AND APPARATUS**  
[54] **SYSTEME ET APPAREIL DE PEDALE**  
[72] LYNN, KYLE, US  
[72] TRAN, TUAN, US  
[72] PAGE, CHRISTOPHER J., US  
[72] CAMERON, ALLAN LEE, US  
[72] BOYCE, ANDREW J., US  
[72] WALKER, PHILIP, US  
[72] KAO, KELVIN, US  
[72] KADZIAUSKAS, KENNETH E., US  
[72] PIERCE, REGAN A., US  
[72] LEE, FRED, US  
[72] SMITH, TERESITA, US  
[72] PATEL, TAPAN, US  
[71] ABBOTT MEDICAL OPTICS INC., US  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/US2014/034524)  
[87] (WO2014/172550)  
[30] US (61/814,097) 2013-04-19

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[13] A1

[51] **Int.Cl. E01D 19/04 (2006.01) E04B 1/36 (2006.01) E04H 9/02 (2006.01)**  
[25] EN  
[54] **STRUCTURAL SLIDING BEARING AND DIMENSIONING METHOD**  
[54] **DISPOSITIF D'APPUI COULISSANT POUR OUVRAGE ET PROCEDE DE DIMENSIONNEMENT**  
[72] BRAUN, CHRISTIAN, DE  
[72] DISTL, JOHANN, DE  
[71] MAURER SOHNE ENGINEERING GMBH & CO. KG, DE  
[85] 2015-10-16  
[86] 2014-03-28 (PCT/EP2014/056255)  
[87] (WO2014/173622)  
[30] DE (10 2013 104 161.2) 2013-04-24

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[13] A1

[51] **Int.Cl. G01N 27/327 (2006.01) G09G 3/34 (2006.01)**  
[25] EN  
[54] **HAND-HELD TEST METER WITH DISPLAY ILLUMINATION ADJUSTMENT CIRCUIT BLOCK**  
[54] **APPAREIL DE MESURE DE TEST PORTATIF AVEC BLOC CIRCUIT DE REGLAGE D'ECLAIRAGE D'AFFICHAGE**  
[72] ELDER, DAVID, GB  
[72] HAMER, MALCOLM, GB  
[71] LIFESCAN SCOTLAND LIMITED, GB  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/EP2014/057812)  
[87] (WO2014/170402)  
[30] GB (1306983.6) 2013-04-17

[21] **2,909,700**  
[13] A1

[51] **Int.Cl. B61L 1/10 (2006.01) B61L 1/02 (2006.01) B61L 25/02 (2006.01)**  
[25] EN  
[54] **VEHICLE POSITION DETERMINING SYSTEM AND METHOD OF USING THE SAME**  
[54] **SYSTEME DE DETERMINATION DE POSITION DE VEHICULE ET PROCEDE D'UTILISATION DE CE DERNIER**  
[72] SCHWELLNUS, CARL, CA  
[72] BANTIN, COLIN, CA  
[71] THALES CANADA INC., CA  
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[86] 2014-04-05 (PCT/IB2014/060455)  
[87] (WO2014/177954)  
[30] US (13/886,674) 2013-05-03



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[13] A1

[51] **Int.Cl. C07K 14/71 (2006.01)**  
[25] EN  
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[54] **CONVERTISSEUR DE SIGNAL TGF-.BETA.**  
**IMMUNOSUPPRESSEUR**  
[72] VALDES, JUAN FERNANDO VERA, US  
[72] ROONEY, CLIONA M., US  
[72] LEEN, ANN MARIE, US  
[72] WATANABE, NORIHIRO, US  
[71] BAYLOR COLLEGE OF MEDICINE, US  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/US2014/034570)  
[87] (WO2014/172584)  
[30] US (61/812,917) 2013-04-17

[21] **2,909,702**  
[13] A1

[51] **Int.Cl. A61K 9/14 (2006.01) A61K 47/34 (2006.01) A61K 47/42 (2006.01)**  
[25] EN  
[54] **NEUTRALLY-CHARGED SYNTHETIC PLATELETS TO MITIGATE COMPLEMENT RESPONSE**  
[54] **PLAQUETTES DE SYNTHÈSE A CHARGE NEUTRE POUR REDUIRE LA REPOSE DU COMPLEMENT**  
[72] LAVIK, ERIN, US  
[71] CASE WESTERN RESERVE UNIVERSITY, US  
[85] 2015-10-16  
[86] 2014-04-15 (PCT/US2014/034176)  
[87] (WO2014/172355)  
[30] US (61/812,642) 2013-04-16  
[30] US (61/864,969) 2013-08-12

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[13] A1

[51] **Int.Cl. C02F 1/32 (2006.01)**  
[25] EN  
[54] **UV LAMP MODULE WITH EXCHANGEABLE LAMP UNITS**  
[54] **MODULE EMETTEUR DE RAYONNEMENT ET UNITES D'EMISSION DE RAYONNEMENT INTERCHANGEABLES**  
[72] KRUGER, FRIEDHELM, DE  
[72] BECKMANN, HEIKE, DE  
[71] XYLEM IP HOLDINGS LLC, US  
[85] 2015-10-15  
[86] 2014-04-04 (PCT/IB2014/060432)  
[87] (WO2014/170788)  
[30] DE (102013006635.2) 2013-04-18

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[13] A1

[51] **Int.Cl. C10M 161/00 (2006.01)**  
[25] EN  
[54] **2-STROKE INTERNAL COMBUSTION ENGINE CYLINDER LINER LUBRICATING COMPOSITION**  
[54] **COMPOSITION LUBRIFIANTE DE CHEMISE DE CYLINDRE D'UN MOTEUR A COMBUSTION INTERNE A DEUX TEMPS**  
[72] CARNEY, SHAUN P., GB  
[72] HOBSON, DAVID M., GB  
[71] THE LUBRIZOL CORPORATION, US  
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[87] (WO2014/172125)  
[30] US (61/812,878) 2013-04-17

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[51] **Int.Cl. A61K 39/39 (2006.01) A61K 35/74 (2015.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01) A61P 37/02 (2006.01) G01N 33/48 (2006.01) G01N 33/483 (2006.01) G01N 33/92 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR MODULATION AND DETECTION OF IMMUNE AND INFLAMMATORY RESPONSES**  
[54] **COMPOSITIONS ET METHODES DE MODULATION ET DE DETECTION DES REPONSES IMMUNITAIRES ET INFLAMMATOIRES**  
[72] CLARK, ROBERT B., US  
[72] NICHOLS, FRANK C., US  
[71] UNIVERSITY OF CONNECTICUT, US  
[85] 2015-10-15  
[86] 2014-04-18 (PCT/US2014/034645)  
[87] (WO2014/172633)  
[30] US (61/813,473) 2013-04-18

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[51] **Int.Cl. A61K 38/17 (2006.01) A61P 27/02 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR TREATING AND PREVENTING MACULAR DEGENERATION**  
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT ET DE PREVENTION DE LA DEGENERESCENCE MACULAIRE**  
[72] WADSWORTH, SAMUEL, US  
[72] SCARIA, ABRAHAM, US  
[72] CHAN, CHI-CHAO, US  
[71] GENZYME CORPORATION, US  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[85] 2015-10-15  
[86] 2014-04-17 (PCT/US2014/034538)  
[87] (WO2014/172560)  
[30] US (61/813,014) 2013-04-17

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[13] A1

[51] **Int.Cl. B60G 11/18 (2006.01)**  
[25] EN  
[54] **TWIST BEAM WITH JOINED INNER AND OUTER PARTS**  
[54] **ESSIEU DE TORSION A ELEMENTS INTERIEUR ET EXTERIEUR RELIES**  
[72] RAO, PRASAD, IN  
[72] KALE, SURESH, IN  
[72] KUMAR, PUNITH JAGADISH, IN  
[72] BEHERA, DHIREN, IN  
[72] GUNDAPPA, VALLISHAN, IN  
[71] MAGNA INTERNATIONAL INC., CA  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/US2014/034325)  
[87] (WO2014/172437)  
[30] IN (1700/CHE/2013) 2013-04-16

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[13] A1

[51] **Int.Cl. F16C 33/10 (2006.01) F16C 17/02 (2006.01) F16C 33/12 (2006.01)**  
[25] EN  
[54] **DYNAMIC PLAIN BEARING**  
[54] **PALIER LISSE DYNAMIQUE**  
[72] BENNETT, IAN ROBERT, GB  
[71] MESSIER-DOWTY LIMITED, GB  
[85] 2015-10-16  
[86] 2014-04-03 (PCT/GB2014/051041)  
[87] (WO2014/170636)  
[30] GB (1306909.1) 2013-04-17

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[13] A1

[51] **Int.Cl. F04B 39/00 (2006.01) H02K 44/08 (2006.01)**  
[25] EN  
[54] **COMPRESSED AIR ENERGY STORAGE UNIT WITH INDUCTION PUMP AND METHOD FOR THE PRODUCTION OF SUCH A COMPRESSED AIR ENERGY STORAGE UNIT**  
[54] **CENTRALE D'ACCUMULATION D'AIR COMPRIME COMPRENANT UNE POMPE A INDUCTION ET PROCEDE DE FABRICATION DE CETTE CENTRALE D'ACCUMULATION D'AIR COMPRIME**  
[72] SCHNEIDER, ALEXANDER, AT  
[71] SCHNEIDER, ALEXANDER, AT  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/AT2014/050095)  
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[30] AT (A 329/2013) 2013-04-19  
[30] AT (A 85/2014) 2014-02-05

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[13] A1

[51] **Int.Cl. A61B 17/06 (2006.01) A61B 17/04 (2006.01) A61B 17/28 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PASSING SUTURE**  
[54] **PROCEDE ET APPAREIL PERMETTANT DE PASSER UNE SUTURE**  
[72] FANTON, GARY S., US  
[72] KRUMME, JOHN F., US  
[72] HENEVELD, SCOTT H., US  
[72] NEWELL, MATTHEW B., US  
[72] CLAUSON, LUKE W., US  
[71] SP SURGICAL INC., US  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/US2014/034575)  
[87] (WO2014/172589)  
[30] US (61/812,805) 2013-04-17

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[13] A1

[51] **Int.Cl. B66B 17/26 (2006.01) B66B 9/06 (2006.01)**  
[25] EN  
[54] **STEEP-BELT CONVEYING INSTALLATION FOR OPEN-CAST MINING**  
[54] **INSTALLATION DE CONVOYAGE INCLINE POUR EXPLOITATION A CIEL OUVERT**  
[72] BECKER, HANS-JURGEN, DE  
[72] WERRE, KLAUS, DE  
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, DE  
[85] 2015-10-16  
[86] 2014-05-22 (PCT/EP2014/001385)  
[87] (WO2014/194988)  
[30] DE (10 2013 105 937.6) 2013-06-07

[21] **2,909,712**  
[13] A1

[51] **Int.Cl. H02K 1/27 (2006.01)**  
[25] EN  
[54] **ROTOR AND METHOD FOR PRODUCING A ROTOR**  
[54] **ROTOR ET PROCEDE SERVANT A FABRIQUER UN ROTOR**  
[72] SEDLAK, HOLGER, DE  
[72] KNIFFLER, OLIVER, DE  
[71] EFFICIENT ENERGY GMBH, DE  
[85] 2015-10-16  
[86] 2014-04-10 (PCT/EP2014/057280)  
[87] (WO2014/170207)  
[30] DE (10 2013 206 787.9) 2013-04-16

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[25] EN  
[54] **INSTALLATION FOR THE PREPARATION OF A SOLUTION OF CALCIUM HYDROGEN CARBONATE SUITABLE FOR THE REMINERALIZATION OF WATER**  
[54] **INSTALLATION POUR LA PREPARATION D'UNE SOLUTION D'HYDROGENOCARBONATE DE CALCIUM UTILISABLE POUR LA REMINERALISATION DE L'EAU**  
[72] POFLET, MARTINE, CH  
[72] SKOVBY, MICHAEL, CH  
[71] OMYA INTERNATIONAL AG, CH  
[85] 2015-10-16  
[86] 2014-04-11 (PCT/EP2014/057346)  
[87] (WO2014/187613)  
[30] EP (13169133.9) 2013-05-24  
[30] US (61/829,308) 2013-05-31

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[13] A1

[51] **Int.Cl. A61J 1/20 (2006.01) A61J 1/22 (2006.01) A61M 15/00 (2006.01) B65D 83/42 (2006.01)**  
[25] EN  
[54] **LIQUID DISPENSING AND METHODS FOR DISPENSING LIQUIDS**  
[54] **DISTRIBUTION DE LIQUIDES ET PROCEDES PERMETTANT DE DISTRIBUER DES LIQUIDES**  
[72] PATTON, JOHN S., US  
[72] PATTON, RYAN S., US  
[72] MOLLOY, LISA, US  
[72] FINK, JIM, US  
[71] DANCE BIOPHARM INC., US  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/US2014/034356)  
[87] (WO2014/172455)  
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[51] **Int.Cl. B32B 9/00 (2006.01)**  
[25] EN  
[54] **IN SITU EXFOLIATION METHOD TO FABRICATE A GRAPHENE-REINFORCED POLYMER MATRIX COMPOSITE**  
[54] **PROCEDE D'EXFOLIATION IN SITU POUR FABRIQUER UN COMPOSITE MATRICIEL POLYMERE RENFORCE AU GRAPHENE**  
[72] NOSKER, THOMAS, US  
[72] LYNCH, JENNIFER, US  
[72] KEAR, BERNARD, US  
[72] HENDRIX, JUSTIN, US  
[72] CHIU, GORDON, US  
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/US2014/034624)  
[87] (WO2014/172619)  
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[13] A1

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[25] EN  
[54] **PLASMID FOR MINICIRCLE PRODUCTION**  
[54] **PLASMIDE POUR LA PRODUCTION DE MINI-CERCLE**  
[72] MAYRHOFER, PETER, AT  
[71] MAYRHOFER, PETER, AT  
[85] 2015-10-16  
[86] 2014-04-11 (PCT/EP2014/057444)  
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[30] GB (1307075.0) 2013-04-19

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[51] **Int.Cl. A61F 9/009 (2006.01) A61B 3/107 (2006.01)**  
[25] EN  
[54] **CORNEAL TOPOGRAPHY MEASUREMENT AND ALIGNMENT OF CORNEAL SURGICAL PROCEDURES**  
[54] **MESURE DE TOPOGRAPHIE DE LA CORNEE ET ALIGNEMENT DES PROCEDURES CHIRURGICALES DE LA CORNEE**  
[72] SCOTT, DAVID D., US  
[72] GONZALEZ, JAVIER, US  
[72] DEWEY, DAVID, US  
[72] BAREKET, NOAH, US  
[72] SCHUELE, GEORG, US  
[71] OPTIMEDICA CORPORATION, US  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/US2014/034628)  
[87] (WO2014/172621)  
[30] US (61/813,613) 2013-04-18  
[30] US (61/873,071) 2013-09-03

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[13] A1

[51] **Int.Cl. B23K 9/00 (2006.01) B23K 35/30 (2006.01)**  
[25] EN  
[54] **JOINING OF DISSIMILAR MATERIALS**  
[54] **ASSEMBLAGE DE MATERIAUX DISSEMBLABLES**  
[72] HILL, JOHN EDWARD, US  
[72] DEVERS, TERENCE ANTHONY, CA  
[72] GABBIANELLI, GIANFRANCO, US  
[71] MAGNA INTERNATIONAL INC., CA  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/US2014/034641)  
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[25] EN  
[54] **ENGINEERED PHENYLALANINE AMMONIA LYASE POLYPEPTIDES**  
[54] **POLYPEPTIDES DE PHENYLALANINE AMMONIAC-LYASE MODIFIES**  
[72] HUISMAN, GJALT W., US  
[72] AGARD, NICHOLAS J., US  
[72] MIJTS, BENJAMIN, US  
[72] VROOM, JONATHAN, US  
[72] ZHANG, XIYUN, US  
[71] CODEXIS, INC., US  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/US2014/034500)  
[87] (WO2014/172541)  
[30] US (61/813,586) 2013-04-18  
[30] US (61/897,932) 2013-10-31

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[13] A1

[51] **Int.Cl. F16K 15/02 (2006.01) F16K 15/18 (2006.01)**  
[25] EN  
[54] **RELIEF VALVE**  
[54] **SOUPAPE DE DECHARGE**  
[72] FAWCETT, LYMAN, US  
[71] HALKEY-ROBERTS CORPORATION, US  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/US2014/034696)  
[87] (WO2014/172666)  
[30] US (61/813,599) 2013-04-18

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[51] **Int.Cl. A01N 37/30 (2006.01) A01N 37/34 (2006.01) A01P 5/00 (2006.01) A01P 7/04 (2006.01)**  
[25] EN  
[54] **METHOD FOR IMPROVED UTILIZATION OF THE PRODUCTION POTENTIAL OF TRANSGENIC PLANTS**  
[54] **PROCEDE POUR L'UTILISATION AMELIOREE DU POTENTIEL DE PRODUCTION DE PLANTES TRANSGENIQUES**  
[72] VAN DEN EYNDE, KOEN, CN  
[72] THIELERT, WOLFGANG, DE  
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE  
[85] 2015-10-16  
[86] 2014-04-15 (PCT/EP2014/057667)  
[87] (WO2014/170345)  
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[54] **AIR COOLING OF ELECTRONIC DRIVER IN A LIGHTING DEVICE**  
[54] **REFROIDISSEMENT A L'AIR D'UN PILOTE ELECTRONIQUE DANS UN DISPOSITIF D'ECLAIRAGE**  
[72] ZOLOTYKH, VALERIY, US  
[72] JESWANI, ANIL, US  
[72] DUTTA, ARUNAVA, US  
[71] OSRAM SYLVANIA INC., US  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/US2014/034724)  
[87] (WO2014/176135)  
[30] US (61/814,330) 2013-04-21

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[13] A1

[51] **Int.Cl. A61K 31/7034 (2006.01) A61K 31/155 (2006.01) A61K 31/522 (2006.01) A61K 45/06 (2006.01) A61P 3/10 (2006.01) A61P 13/12 (2006.01)**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION, METHODS FOR TREATING AND USES THEREOF**  
[54] **COMPOSITION PHARMACEUTIQUE, PROCEDES DE TRAITEMENT ET LEURS UTILISATIONS**  
[72] BROEDL, ULI CHRISTIAN, DE  
[72] CHERNEY, DAVID, CA  
[72] VON EYNATTEN, MAXIMILIAN, DE  
[72] JOHANSEN, ODD-ERIK, DE  
[72] MAYOUX, ERIC WILLIAMS, DE  
[72] PERKINS, BRUCE A., CA  
[72] SOLEYMANLOU, NIMA, CA  
[72] WOERLE, HANS-JUERGEN, DE  
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/EP2014/057754)  
[87] (WO2014/170383)  
[30] US (61/813,223) 2013-04-18  
[30] US (61/823,045) 2013-05-14

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[13] A1

[51] **Int.Cl. E21B 19/14 (2006.01) E21B 15/00 (2006.01) E21B 19/15 (2006.01)**  
[25] EN  
[54] **PIPE HANDLER**  
[54] **DISPOSITIF DE MANIPULATION DE TUYAU**  
[72] DAHMES, FORREST L., US  
[72] DANIELSON, PAUL K., US  
[71] LIBERTY HOLDINGS, LLC, US  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/US2014/034730)  
[87] (WO2014/172690)  
[30] US (61/814,266) 2013-04-20  
[30] US (13/968,424) 2013-08-15

[21] **2,909,734**  
[13] A1

[51] **Int.Cl. A61B 6/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR RECORDING SIMULTANEOUSLY VISIBLE LIGHT IMAGE AND INFRARED LIGHT IMAGE FROM FLUOROPHORES**  
[54] **SYSTEMES ET PROCEDES D'ENREGISTREMENT SIMULTANE D'UNE IMAGE EN LUMIERE VISIBLE ET D'UNE IMAGE EN LUMIERE INFRAROUGE A PARTIR DE FLUOROPHORES**  
[72] BUTTE, PRAMOD, US  
[72] MAMELAK, ADAM, US  
[71] CEDARS-SINAI MEDICAL CENTER, US  
[85] 2015-10-16  
[86] 2014-04-23 (PCT/US2014/035203)  
[87] (WO2014/176375)  
[30] US (61/814,955) 2013-04-23

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[13] A1

[51] **Int.Cl. C07D 498/14 (2006.01) A61K 31/5383 (2006.01) A61P 25/00 (2006.01)**  
[25] EN  
[54] **TRICYCLIC TRIAZOLIC COMPOUNDS AS SIGMA RECEPTORS LIGANS**  
[54] **COMPOSES TRIAZOLIQUES TRICYCLIQUES UTILISES EN TANT QUE LIGANDS DES RECEPTEURS SIGMA**  
[72] DIAZ-FERNANDEZ, JOSE-LUIS, ES  
[72] ALMANSA-ROSALES, CARMEN, ES  
[72] CUEVAS-CORDOBES, FELIX, ES  
[71] LABORATORIOS DEL DR. ESTEVE, S.A., ES  
[85] 2015-10-16  
[86] 2014-04-21 (PCT/EP2014/058036)  
[87] (WO2014/170494)  
[30] EP (13382143.9) 2013-04-19

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[13] A1

[51] **Int.Cl. A01G 23/08 (2006.01) A01G 23/095 (2006.01) B27B 25/02 (2006.01)**  
[25] EN  
[54] **FEED WHEEL ARRANGEMENT, TIMBER WORKING HEAD, CRANE, TIMBER WORKING MACHINE**  
[54] **AGENCEMENT DE ROUE D'ALIMENTATION, TETE DE TRAVAIL DE BOIS D'~UVRE, GRUE ET MACHINE DE TRAVAIL DE BOIS D'~UVRE**  
[72] LUNDGREN, KARL, SE  
[71] KOMATSU FOREST AB, SE  
[85] 2015-10-16  
[86] 2013-04-18 (PCT/SE2013/050422)  
[87] (WO2014/171865)

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[51] <b>Int.Cl. G06Q 50/22 (2012.01) A61F 13/42 (2006.01)</b>	[51] <b>Int.Cl. A23L 1/305 (2006.01) A23J 3/34 (2006.01)</b>	[51] <b>Int.Cl. C08J 5/22 (2006.01) B01D 67/00 (2006.01) B01D 69/14 (2006.01) C08F 2/46 (2006.01) C08F 8/42 (2006.01) C08F 259/08 (2006.01) C08K 3/34 (2006.01) C08L 27/22 (2006.01) C08L 51/00 (2006.01) H01M 8/10 (2006.01)</b>
[25] EN	[25] EN	[25] FR
[54] <b>PROCESS AND ARRANGEMENT FOR COLLECTING AND STORING DATA RELATED TO A CONDITION OF AN ABSORBENT PRODUCT</b>	[54] <b>PROCESS TO PRODUCE RICE BRAN HYDROLYSATES</b>	[54] <b>PROCESS FOR PREPARING AN ION-EXCHANGE COMPOSITE MATERIAL COMPRISING A SPECIFIC POLYMER MATRIX AND A FILLER CONSISTING OF ION-EXCHANGE PARTICLES</b>
[54] <b>PROCEDE ET ARRANGEMENT DE COLLECTE ET DE MEMORISATION DE DONNEES LIEES A UN ETAT D'UN PRODUIT ABSORBANT</b>	[54] <b>PROCEDE DE PRODUCTION D'HYDROLYSATS DE SON DE RIZ</b>	[54] <b>PROCEDE DE PREPARATION D'UN MATERIAU COMPOSITE ECHANGEUR D'IONS COMPRENANT UNE MATRICE POLYMERE SPECIFIQUE ET UNE CHARGE CONSISTANT EN DES PARTICULES ECHANGEUSES D'IONS</b>
[72] OLOFSSON-RANTA, CHRISTER, SE	[72] JANSE, ARTHUR MAURITS CHRISTIAAN, NL	[72] GERARD, JEAN-FRANCOIS, FR
[72] GUSTAFSSON, ANDERS, SE	[72] SARDJOEPERSAD, SANDJAI, NL	[72] BOUNOR LEGARE, VERONIQUE, FR
[72] KARLSSON, FREDRIK, SE	[72] SMOLDERS, GERARDUS JOHANNES FRANCISCUS, NL	[72] SECK, SERIGNE, FR
[72] BOSAEUS, MATTIAS, SE	[72] VEERMAN, CECILE, NL	[72] BUVAT, PIERRICK, FR
[72] AALERUD, KYRRE, NO	[71] DSM IP ASSETS B.V., NL	[72] BIGARRE, JANICK, FR
[71] SCA HYGIENE PRODUCTS AB, SE	[85] 2015-10-19	[72] BLONDEL, BENOIT, FR
[85] 2015-10-16	[86] 2014-05-08 (PCT/EP2014/059460)	[72] CHAUVEAU, JEROME, FR
[86] 2013-04-30 (PCT/SE2013/050481)	[87] (WO2014/184088)	[71] ARKEMA FRANCE, FR
[87] (WO2014/178763)	[30] EP (13167819.5) 2013-05-15	[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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[51] <b>Int.Cl. G01N 33/80 (2006.01)</b>		[85] 2015-10-16
[25] EN		[86] 2014-04-22 (PCT/EP2014/058116)
[54] <b>NON INVASIVE METHOD FOR PRENATAL DIAGNOSIS</b>		[87] (WO2014/173885)
[54] <b>PROCEDE NON INVASIF DE DIAGNOSTIC PRENATAL</b>		[30] FR (1353712) 2013-04-23
[72] LATTUADA, DEBORA, IT		
[71] FONDAZIONE IRCCS CA' GRANDA OSPEDALE MAGGIORE POLICLINICO, IT		
[85] 2015-10-19		
[86] 2014-04-24 (PCT/EP2014/058311)		
[87] (WO2014/173997)		
[30] IT (MI2013A000683) 2013-04-24		

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[13] A1

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[25] EN

[54] **CATHODE, ELECTROCHEMICAL CELL AND ITS USE**

[54] **CATHODE, CELLULE ELECTROCHIMIQUE ET SON UTILISATION**

[72] TANDUKAR, MADAN, US

[72] UNGER, KYLE, US

[72] ENDLER, PAUL, US

[71] HOGANAS AB (PUBL), SE

[85] 2015-10-19

[86] 2014-05-09 (PCT/EP2014/059548)

[87] (WO2014/184106)

[30] EP (13167470.7) 2013-05-13

[21] **2,909,742**  
[13] A1

[51] **Int.Cl. C07D 333/34 (2006.01) C07D 409/12 (2006.01)**

[25] EN

[54] **SULPHAMOYLTHIOPHENAMIDE DERIVATIVES AND THE USE THEREOF AS MEDICAMENTS FOR THE TREATMENT OF HEPATITIS B**

[54] **DERIVES DE SULPHAMOYLTHIOPHENAMIDE S ET LEUR UTILISATION EN TANT QUE MEDICAMENTS POUR LE TRAITEMENT DE L'HEPATITE B**

[72] VANDYCK, KOEN, BE

[72] HACHE, GEERWIN YVONNE PAUL, BE

[72] LAST, STEFAAN JULIEN, BE

[72] VERSCHUEREN, WIM GASTON, BE

[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE

[71] JANSSEN SCIENCES IRELAND UC, IE

[85] 2015-10-19

[86] 2014-05-16 (PCT/EP2014/060132)

[87] (WO2014/184365)

[30] EP (13168295.7) 2013-05-17

[30] EP (13185227.9) 2013-09-19

[30] EP (14157917.7) 2014-03-05

[21] **2,909,743**  
[13] A1

[51] **Int.Cl. H01M 8/00 (2006.01)**

[25] EN

[54] **CATALYST ELECTRODES AND METHOD OF MAKING IT**

[54] **ELECTRODES A CATALYSEUR ET LEURS PROCEDES DE FABRICATION**

[72] ATANASOSKI, RADOSLAV, US

[72] ATANASOSKA, LJILJANA L., US

[72] HAUGEN, GREGORY M., US

[72] ARMSTRONG, ANDREW M., US

[72] VAN DER VLIET, DENNIS F., US

[72] WONG, JIMMY L., US

[71] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2015-10-15

[86] 2014-04-21 (PCT/US2014/034757)

[87] (WO2014/189637)

[30] US (61/815,015) 2013-04-23

[30] US (61/863,015) 2013-08-07

[21] **2,909,745**  
[13] A1

[51] **Int.Cl. E21B 43/25 (2006.01) E21B 33/12 (2006.01) E21B 43/14 (2006.01)**

[25] EN

[54] **HYDRAULIC DIVERSION SYSTEMS TO ENHANCE MATRIX TREATMENTS AND METHODS FOR USING SAME**

[54] **SYSTEMES DE DEVIATION HYDRAULIQUE POUR AMELIORER DES TRAITEMENTS DE MATRICE, ET PROCEDES D'UTILISATION DE CEUX-CI**

[72] VAN PETEGEM, RONALD, US

[72] DUNCAN, ANDREW, US

[72] ZURITA, ALFREDO MENDEZ, US

[72] SMITH, KERN L., US

[71] LUBRIZOL OILFIELD SOLUTIONS, INC., US

[85] 2015-10-15

[86] 2014-04-21 (PCT/US2014/034831)

[87] (WO2014/172711)

[30] US (61/814,071) 2013-04-19

[21] **2,909,746**  
[13] A1

[51] **Int.Cl. B23K 9/04 (2006.01) B23K 9/20 (2006.01) B23K 20/227 (2006.01)**

[25] EN

[54] **DRAWN ARC STUD WELDING SYSTEM**

[54] **SYSTEME DE SOUDAGE DE GOUJON PAR ARC TIRE**

[72] WORKMAN, DAVID P., US

[72] SHIRA, SETH C., US

[71] EDISON WELDING INSTITUTE, INC., US

[85] 2015-10-15

[86] 2014-04-22 (PCT/US2014/034940)

[87] (WO2014/176232)

[30] US (61/814,500) 2013-04-22

[21] **2,909,747**  
[13] A1

[51] **Int.Cl. C08J 3/24 (2006.01) A61K 8/88 (2006.01) C08G 69/14 (2006.01) C08G 73/14 (2006.01)**

[25] FR

[54] **METHOD FOR THE SURFACE CROSSLINKING OF POLYMER PARTICLES**

[54] **PROCEDE DE RETICULATION EN SURFACE DE PARTICULES DE POLYMERE**

[72] CAMMAGE, GEOFFROY, FR

[72] DUFAURE, NICOLAS, FR

[72] LE, GUILLAUME, FR

[72] MATHIEU, CYRILLE, FR

[71] ARKEMA FRANCE, FR

[85] 2015-10-16

[86] 2014-05-16 (PCT/EP2014/060105)

[87] (WO2014/184351)

[30] FR (1354473) 2013-05-17

[21] **2,909,748**  
[13] A1

[51] **Int.Cl. G06F 9/44 (2006.01) G06F 9/48 (2006.01)**

[25] EN

[54] **CONTROLLING TASKS PERFORMED BY A COMPUTING SYSTEM**

[54] **CONTROLE DE TACHES EXECUTEES PAR UN SYSTEME INFORMATIQUE**

[72] STANFILL, CRAIG W., US

[71] AB INITIO TECHNOLOGY LLC, US

[85] 2015-10-15

[86] 2014-04-23 (PCT/US2014/035094)

[87] (WO2014/176310)

[30] US (61/815,052) 2013-04-23

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[21] **2,909,749**  
[13] A1

[51] **Int.Cl. H05B 33/08 (2006.01) H05B 37/02 (2006.01)**  
[25] EN  
[54] **LIGHTING SYSTEMS AND METHODS PROVIDING ACTIVE GLARE CONTROL**  
[54] **SYSTEMES ET PROCEDES D'ECLAIRAGE A PROTECTION ACTIVE CONTRE L'EBLOUISSEMENT**  
[72] CANNON, NEIL P., US  
[72] BISBERG, JEFFREY, US  
[72] LEMBKE, JOHN, US  
[71] GE LIGHTING SOLUTIONS, LLC, US  
[85] 2015-10-15  
[86] 2014-04-24 (PCT/US2014/035248)  
[87] (WO2014/176398)  
[30] US (61/815,715) 2013-04-24  
[30] US (14/259,778) 2014-04-23

[21] **2,909,750**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A23L 1/305 (2006.01) A61K 9/08 (2006.01) A61K 31/198 (2006.01)**  
[25] EN  
[54] **COMPOSITION PHARMACEUTIQUE, DIETETIQUE OU ALIMENTAIRE LIQUIDE OU SEMI-LIQUIDE DEPOURVUE D'AMERTUME CONTENANT UN SEL D'ARGININE**  
[54] **LIQUID OR SEMI-LIQUID PHARMACEUTICAL, DIETARY OR FOOD COMPOSITION FREE OF BITTERNESS CONTAINING AN ARGININE SALT**  
[72] GORNY, PHILIPPE, FR  
[71] GORNY, PHILIPPE, FR  
[85] 2015-10-16  
[86] 2014-04-30 (PCT/FR2014/051041)  
[87] (WO2014/177813)  
[30] FR (1301018) 2013-05-02  
[30] FR (1360544) 2013-10-29

[21] **2,909,751**  
[13] A1

[51] **Int.Cl. G06F 9/44 (2006.01)**  
[25] EN  
[54] **CONTROLLING TASKS PERFORMED BY A COMPUTING SYSTEM**  
[54] **CONTROLE DE TACHES EXECUTEES PAR UN SYSTEME INFORMATIQUE**  
[72] STANFILL, CRAIG W., US  
[71] AB INITIO TECHNOLOGY LLC, US  
[85] 2015-10-15  
[86] 2014-04-23 (PCT/US2014/035098)  
[87] (WO2014/176313)  
[30] US (61/815,052) 2013-04-23

[21] **2,909,752**  
[13] A1

[51] **Int.Cl. A61K 31/47 (2006.01) A61K 9/00 (2006.01) A61P 5/24 (2006.01) A61P 15/08 (2006.01)**  
[25] EN  
[54] **A NK3 RECEPTOR ANTAGONIST COMPOUND (NK3RA) FOR USE IN A METHOD FOR THE TREATMENT OF POLYCYSTIC OVARY SYNDROME (PCOS)**  
[54] **COMPOSE ANTAGONISTE DU RECEPTEUR NK3 (NK3RA) UTILISE DANS UNE METHODE POUR TRAITER LE SYNDROME DES OVAIRES POLYKYSTIQUES (SOPK)**  
[72] GILMOUR, PETER STEWART, GB  
[72] HO, TONY, US  
[72] KAKKAR, RAHUL, US  
[72] WEBBER, LORRAINE, GB  
[71] ASTRAZENECA AB, SE  
[85] 2015-10-16  
[86] 2014-04-14 (PCT/GB2014/051156)  
[87] (WO2014/170648)  
[30] US (61/813,699) 2013-04-19

[21] **2,909,757**  
[13] A1

[51] **Int.Cl. H02S 40/22 (2014.01) G02B 3/08 (2006.01)**  
[25] EN  
[54] **ADIABATIC SECONDARY OPTICS FOR SOLAR CONCENTRATORS USED IN CONCENTRATED PHOTOVOLTAIC SYSTEMS**  
[54] **OPTIQUES SECONDAIRES ADIABATIQUES POUR CONCENTRATEURS SOLAIRES UTILISES DANS DES SYSTEMES PHOTOVOLTAIQUES CENTRES**  
[72] GILBERT, RAYMOND, CA  
[72] YAVRIAN, ARTASHES, CA  
[72] LEVESQUE, MARC, CA  
[72] TREMBLAY, STEEVE, CA  
[71] OPSUN TECHNOLOGIES INC., CA  
[85] 2015-10-07  
[86] 2014-04-04 (PCT/CA2014/050345)  
[87] (WO2014/165987)  
[30] US (61/810,431) 2013-04-10

[21] **2,909,761**  
[13] A1

[51] **Int.Cl. G01J 3/02 (2006.01) G01J 3/28 (2006.01) G01J 3/447 (2006.01) G01J 3/50 (2006.01) G01J 4/04 (2006.01) G02B 27/28 (2006.01) G06T 5/00 (2006.01) H01L 27/146 (2006.01) H04N 5/33 (2006.01)**  
[25] EN  
[54] **IMAGING APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE D'IMAGERIE**  
[72] GREENWAY, CHRISTOPHER, GB  
[72] SIMMONS, RICHARD CHARLES, GB  
[71] MBDA UK LIMITED, GB  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/GB2014/051187)  
[87] (WO2014/170670)  
[30] GB (1307116.2) 2013-04-18

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[21] **2,909,763**  
[13] A1

[51] **Int.Cl. B64C 25/60 (2006.01) F16F 9/48 (2006.01)**  
[25] EN  
[54] **ACTUATOR**  
[54] **ACTIONNEUR**  
[72] GREEN, CHRISTOPHER, GB  
[72] SCHMIDT, ROBERT KYLE, GB  
[72] SMART, DAVID, GB  
[71] MESSIER-DOWTY LIMITED, GB  
[85] 2015-10-16  
[86] 2014-04-24 (PCT/GB2014/051282)  
[87] (WO2014/174302)  
[30] GB (1307498.4) 2013-04-25

[21] **2,909,765**  
[13] A1

[51] **Int.Cl. H04L 12/16 (2006.01) H04H 60/82 (2009.01) H04N 21/40 (2011.01) H04L 12/26 (2006.01)**  
[25] EN  
[54] **CLOUD COMPUTING SYSTEM AND METHOD BASED ON DISTRIBUTED CONSUMER ELECTRONIC DEVICES**  
[54] **SYSTEME INFONUAGIQUE ET PROCEDE BASE SUR DES DISPOSITIFS ELECTRONIQUES DE CONSOMMATEURS DISTRIBUES**  
[72] WILLIS, DANIEL, US  
[72] MASTER, PAUL, US  
[72] CAMPBELL, GORDON, US  
[72] O'HAGAN, SEAN, CA  
[72] NOBLE, DEREK, CA  
[71] LEONOVUS USA, US  
[85] 2015-10-15  
[86] 2014-04-24 (PCT/US2014/035261)  
[87] (WO2014/176406)  
[30] US (61/816,211) 2013-04-26

[21] **2,909,767**  
[13] A1

[51] **Int.Cl. B01J 2/00 (2006.01) B01J 2/10 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR COATING PARTICULATE MATERIAL**  
[54] **APPAREIL ET PROCEDE POUR REVETIR UN MATERIAU EN PARTICULES**  
[72] PHILLIPS, LAURA BETH, US  
[72] PACKER, BRENT CHRISTOPHER, US  
[72] ROLLER, DAVID CHAMBERLAIN, US  
[72] MOFFITT, RICHARD ALAN, JR., US  
[72] GRUNDER, DOUGLAS EDWARD, US  
[71] BASF CORPORATION, US  
[85] 2015-10-15  
[86] 2014-04-24 (PCT/US2014/035272)  
[87] (WO2014/176413)  
[30] US (61/816,353) 2013-04-26  
[30] EP (13168449.0) 2013-05-20

[21] **2,909,770**  
[13] A1

[51] **Int.Cl. G01B 11/30 (2006.01) G01B 11/24 (2006.01) G01N 21/47 (2006.01)**  
[25] EN  
[54] **SURFACE ROUGHNESS MEASUREMENT DEVICE**  
[54] **DISPOSITIF DE MESURE DE RUGOSITE DE SURFACE**  
[72] XIE, GUANGPING, CN  
[72] JIA, MING, CN  
[72] ZHAI, ZIRONG, CN  
[72] TRALLORI, PAOLO, IT  
[72] HARDING, KEVIN GEORGE, US  
[72] SONG, GUIJU, US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2015-10-15  
[86] 2014-04-25 (PCT/US2014/035407)  
[87] (WO2014/176479)  
[30] CN (201310150620.9) 2013-04-26

[21] **2,909,772**  
[13] A1

[51] **Int.Cl. A61F 2/46 (2006.01)**  
[25] EN  
[54] **DELIVERY DEVICE FOR GRAFT MATERIAL**  
[54] **DISPOSITIF ADMINISTRATION DE GREFFON**  
[72] SHADECK, LOUIS M., US  
[72] BERMAN, PHILLIP J., US  
[71] MEDTRONIC XOMED, INC., US  
[85] 2015-10-15  
[86] 2014-04-25 (PCT/US2014/035493)  
[87] (WO2014/176526)  
[30] US (13/871,743) 2013-04-26

[21] **2,909,773**  
[13] A1

[51] **Int.Cl. F16B 12/22 (2006.01) F16B 5/07 (2006.01) F16B 12/56 (2006.01)**  
[25] EN  
[54] **BEDSTEAD FASTENING DEVICE**  
[54] **DISPOSITIF DE FIXATION DE CHALIT**  
[72] BILIS, IOANNIS, GR  
[71] BILIS, IOANNIS, GR  
[85] 2015-10-16  
[86] 2013-04-19 (PCT/GR2013/000022)  
[87] (WO2014/170701)

[21] **2,909,774**  
[13] A1

[51] **Int.Cl. G06F 19/00 (2011.01) G06Q 50/24 (2012.01)**  
[25] EN  
[54] **DETERMINATION OF POTENTIALLY PREVENTABLE HEALTHCARE EVENTS**  
[54] **DETERMINATION D'EVENEMENTS DE SOINS DE SANTE POUVANT ETRE POTENTIELLEMENT EMPECHES**  
[72] BENTLEY, LINDA A., US  
[72] AVERILL, RICHARD F., US  
[72] FULLER, RICHARD L., US  
[72] GOLDFIELD, NORBERT I., US  
[72] MCCULLOUGH, ELIZABETH C., US  
[72] PISELLI, CAROLINE R., US  
[72] VERTREES, JAMES C., US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2015-10-15  
[86] 2014-04-30 (PCT/US2014/036062)  
[87] (WO2014/179406)  
[30] US (61/818,119) 2013-05-01



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[21] **2,909,776**  
[13] A1

[51] **Int.Cl. C01C 1/04 (2006.01) B01J 8/00 (2006.01) C01C 1/02 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS OF MAKING AMMONIA USING HYDROGEN AND NITROGEN GASES**

[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'AMMONIAC AVEC DE L'HYDROGENE GAZEUX ET DE L'AZOTE GAZEUX**

[72] GORDON, ROGER, CA  
[71] GORDON, ROGER, CA  
[85] 2015-10-16  
[86] 2013-04-17 (PCT/IB2013/000712)  
[87] (WO2013/156842)  
[30] US (61/625,225) 2012-04-17  
[30] US (13/607,910) 2012-09-10

[21] **2,909,777**  
[13] A1

[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/14 (2006.01)**

[25] EN

[54] **PROTECTIVE HEADGEAR**

[54] **COUVRE-CHEF DE PROTECTION**

[72] BATY, DAVID, US  
[71] BATY, DAVID, US  
[85] 2015-10-16  
[86] 2013-04-22 (PCT/US2013/037641)  
[87] (WO2013/163106)  
[30] US (61/637,930) 2012-04-25  
[30] US (13/800,703) 2013-03-13

[21] **2,909,778**  
[13] A1

[51] **Int.Cl. A01C 5/04 (2006.01) A01C 7/04 (2006.01)**

[25] EN

[54] **SEEDING MACHINE**

[54] **MACHINE D'ENSEMENCEMENT**

[72] SPAPPERI, ALDO, IT  
[71] SPAPPERI, ALDO, IT  
[85] 2015-10-16  
[86] 2014-03-13 (PCT/IB2014/059723)  
[87] (WO2014/170767)  
[30] IT (PG2013A000017) 2013-04-17

[21] **2,909,779**  
[13] A1

[51] **Int.Cl. A61F 2/07 (2013.01) A61F 2/95 (2013.01)**

[25] EN

[54] **ENDOVASCULAR DOCKING APPARATUS AND METHOD**

[54] **APPAREIL ET METHODE D'AMARRAGE ENDOVASCULAIRE**

[72] MEHTA, MANISH, US  
[71] MEHTA, MANISH, US  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/US2014/034429)  
[87] (WO2014/172501)  
[30] US (61/812,523) 2013-04-16

[21] **2,909,780**  
[13] A1

[51] **Int.Cl. C12N 15/32 (2006.01) C07K 14/325 (2006.01)**

[25] EN

[54] **NOVEL BACILLUS STRAINS AND COMPOSITIONS**

[54] **COMPOSITIONS DE NOUVELLES SOUCHES DE BACILLUS**

[72] MATHENY, MICHAEL, US  
[72] PANAVIENE, ZIVILE, US  
[71] ENVERA, LLC, US  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/US2014/034450)  
[87] (WO2014/172520)  
[30] US (61/854,062) 2013-04-17  
[30] US (14/254,937) 2014-04-17

[21] **2,909,781**  
[13] A1

[51] **Int.Cl. C01B 33/20 (2006.01) B01J 13/00 (2006.01) B01J 21/06 (2006.01) C02F 1/28 (2006.01)**

[25] EN

[54] **METHOD FOR PREPARATION OF A GROUP 4 METAL SILICATE AND USE THEREOF**

[54] **PROCEDE DE PREPARATION D'UN SILICATE METALLIQUE DU GROUPE 4 ET SON UTILISATION**

[72] BRANDTS, JIM ALOYSIUS MARIA, NL  
[72] WAGEMAKER, LORIANNE, NL  
[71] BASF CORPORATION, US  
[85] 2015-10-16  
[86] 2014-04-16 (PCT/IB2014/060755)  
[87] (WO2014/170835)  
[30] EP (13164165.6) 2013-04-17

[21] **2,909,782**  
[13] A1

[51] **Int.Cl. H02J 3/18 (2006.01) H02J 3/38 (2006.01)**

[25] EN

[54] **DYNAMIC POWER FLOW CONTROLLERS**

[54] **UNITES DE REGULATION DE PASSAGE DE PUISSANCE DYNAMIQUE**

[72] DIVAN, DEEPAKRAJ M., US  
[72] PRASAI, ANISH, US  
[71] VARENTEC, INC., US  
[85] 2015-10-16  
[86] 2014-04-23 (PCT/US2014/035210)  
[87] (WO2014/176381)  
[30] US (61/815,241) 2013-04-23  
[30] US (14/260,253) 2014-04-23

[21] **2,909,783**  
[13] A1

[51] **Int.Cl. C07D 413/12 (2006.01) C07D 403/12 (2006.01) C07D 417/12 (2006.01) A61K 31/423 (2006.01) A61K 31/428 (2006.01) A61K 31/498 (2006.01) A61P 25/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 25/36 (2006.01)**

[25] EN

[54] **HETEROCYCLIC ACETIC ACID AMIDE COMPOUND**

[54] **COMPOSE D'AMIDE D'ACIDE ACETIQUE HETEROCYCLIQUE**

[72] SHIRAKI, RYOTA, JP  
[72] TOBE, TAKAHIKO, JP  
[72] KAWAKAMI, SHIMPEI, JP  
[72] MORITOMO, HIROYUKI, JP  
[72] OHMIYA, MAKOTO, JP  
[71] ASTELLAS PHARMA INC., JP  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/JP2014/061007)  
[87] (WO2014/171528)  
[30] JP (2013-087151) 2013-04-18

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[21] **2,909,784**  
[13] A1

[51] **Int.Cl. B01F 3/04 (2006.01) B01F 13/02 (2006.01) C02F 1/74 (2006.01) C02F 3/14 (2006.01) C02F 3/20 (2006.01) C02F 3/22 (2006.01) C02F 7/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR ENHANCED WASTEWATER TREATMENT**

[54] **APPAREIL ET PROCEDE POUR UN TRAITEMENT AMELIORE DES EAUX USEES**

[72] BETTLE, GRISCOM, III, US

[72] KEY, JAMES RHODRICK, US

[72] ROBERTS, RICKY EUGENE, US

[71] ABSOLUTE AERATION, US

[85] 2015-10-16

[86] 2014-04-24 (PCT/US2014/035221)

[87] (WO2014/176388)

[30] US (61/854,410) 2013-04-24

[21] **2,909,785**  
[13] A1

[51] **Int.Cl. A61B 3/113 (2006.01) A61B 5/11 (2006.01) A61H 5/00 (2006.01)**

[25] EN

[54] **MONITORING NEUROLOGICAL FUNCTIONAL STATUS**

[54] **SURVEILLANCE D'UN ETAT FONCTIONNEL NEUROLOGIQUE**

[72] TSAI, NANCY TREVANIAN, US

[72] SEMLER, MARK EVALD, US

[71] MUSC FOUNDATION FOR RESEARCH DEVELOPMENT, US

[85] 2015-10-16

[86] 2014-05-01 (PCT/US2014/036349)

[87] (WO2014/179558)

[30] US (61/818,087) 2013-05-01

[21] **2,909,786**  
[13] A1

[51] **Int.Cl. E21B 21/06 (2006.01) B01D 19/00 (2006.01)**

[25] EN

[54] **IMPROVED AIR-DRIVEN DEGASSER ASSEMBLY**

[54] **ENSEMBLE DEGAZEUR AMELIORE ENTRAINE PAR AIR**

[72] HENDERSON, MATTHEW HAY, US

[72] BRITTON, CHARLES CUTLER, US

[72] SCHEXNAIDER, NEIL PATRICK, US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-10-16

[86] 2014-05-02 (PCT/US2014/036618)

[87] (WO2014/189662)

[30] US (61/825,280) 2013-05-20

[30] US (14/101,608) 2013-12-10

[21] **2,909,787**  
[13] A1

[51] **Int.Cl. A61K 8/34 (2006.01) A61K 31/045 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **ALCOHOL BASED SANITIZER WITH IMPROVED DERMAL COMPATIBILITY AND FEEL**

[54] **PRODUIT DESINFECTANT A BASE D'ALCOOL AYANT UNE MEILLEURE COMPATIBILITE DERMIQUE ET UNE MEILLEURE SENSATION**

[72] WEGNER, JOSEPH R., US

[72] LITTAU, CHERYL A., US

[71] ECOLAB USA INC., US

[85] 2015-10-16

[86] 2014-05-10 (PCT/US2014/037601)

[87] (WO2014/197168)

[30] US (13/911,524) 2013-06-06

[21] **2,909,788**  
[13] A1

[51] **Int.Cl. G06F 21/31 (2013.01) H04W 12/06 (2009.01) G06F 21/32 (2013.01) G06F 21/34 (2013.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTHORIZING ACCESS TO ACCESS-CONTROLLED ENVIRONMENTS**

[54] **SYSTEME ET PROCEDE CONCUS POUR AUTORISER L'ACCES A DES ENVIRONNEMENTS A ACCES CONTROLE**

[72] HOYOS, HECTOR, US

[72] BRAVERMAN, JASON, US

[72] XIAO, GEOFFREY, US

[72] STREIT, SCOTT, US

[72] MATHER, JONATHAN FRANCIS, US

[71] HOYOS LABS CORP., US

[85] 2015-10-16

[86] 2014-05-13 (PCT/US2014/037871)

[87] (WO2014/186374)

[30] US (61/822,746) 2013-05-13

[30] US (61/842,800) 2013-07-03

[30] US (61/842,757) 2013-07-03

[30] US (61/842,739) 2013-07-03

[30] US (61/842,756) 2013-07-03

[30] US (61/921,004) 2013-12-26

[30] US (61/920,985) 2013-12-26

[30] US (61/922,438) 2013-12-31

[30] US (61/924,092) 2014-01-06

[30] US (61/924,097) 2014-01-06

[30] US (14/201,499) 2014-03-07

[30] US (14/201,462) 2014-03-07

[30] US (14/201,438) 2014-03-07

[21] **2,909,789**  
[13] A1

[51] **Int.Cl. H01L 21/56 (2006.01) B01L 3/00 (2006.01) B29C 45/00 (2006.01) H01L 21/67 (2006.01)**

[25] EN

[54] **A LAB-ON-A-CHIP FABRICATION METHOD AND SYSTEM**

[54] **PROCEDE ET SYSTEME DE FABRICATION DE LABORATOIRE SUR PUCE**

[72] TOFTEBERG, TERJE ROSQUIST, NO

[72] ANDREASSEN, ERIK, NO

[72] MIELNIK, MICHAL MAREK, NO

[71] SINTEF TTO AS, NO

[85] 2015-10-16

[86] 2014-04-30 (PCT/NO2014/050069)

[87] (WO2014/178726)

[30] NO (20130600) 2013-04-30

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[21] **2,909,790**  
[13] A1

[51] **Int.Cl. C12N 1/20 (2006.01) A23B 4/22 (2006.01) A23L 1/03 (2006.01) A23L 1/325 (2006.01)**

[25] FR

[54] **USE OF LACTOBACILLUS SAKEI FOR THE BIOPRESERVATION OF PRODUCTS FROM THE SEA**

[54] **UTILISATION DE LACTOBACILLUS SAKEI POUR LA BIOPRESERVATION DES PRODUITS DE LA MER**

[72] PODEUR, GAETAN, FR  
[72] LEROI, FRANCOISE, FR  
[72] PILET, MARIE-FRANCE, FR  
[72] PREVOST, HERVE, FR  
[71] IFREMER (INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER), FR  
[71] ONIRIS, FR  
[85] 2015-10-19  
[86] 2014-04-18 (PCT/FR2014/050955)  
[87] (WO2014/170621)  
[30] FR (1353586) 2013-04-19

[21] **2,909,791**  
[13] A1

[51] **Int.Cl. G09F 9/33 (2006.01) B64D 47/00 (2006.01) G09F 21/10 (2006.01)**

[25] FR

[54] **DEVICE FOR DISPLAYING A LIGHT MESSAGE ON THE FAIRING OF AN AIRCRAFT**

[54] **DISPOSITIF POUR L'AFFICHAGE D'UN MESSAGE LUMINEUX SUR LE CARENAGE D'UN AERONEF**

[72] MARCHETTI, CHRISTOPHE, FR  
[72] REBIERE-DESVEAUX, JEROME, FR  
[72] RIERE, SERGE, FR  
[71] AIRCELLE, FR  
[85] 2015-10-19  
[86] 2014-04-23 (PCT/FR2014/050982)  
[87] (WO2014/174211)  
[30] FR (13/53877) 2013-04-26

[21] **2,909,792**  
[13] A1

[51] **Int.Cl. A61K 36/55 (2006.01) A61K 8/00 (2006.01)**

[25] FR

[54] **METHOD FOR PRODUCING A MIXTURE OF NEUTRAL OLIGOSACCHARIDES EXTRACTED FROM FLAXSEED**

[54] **PROCEDE D'OBTENTION D'UN MELANGE D'OLIGOSACCHARIDES NEUTRES EXTRAITS DE GRAINES DE LIN**

[72] MAQUART, FRANCOIS, FR  
[72] BELLON, GEORGES, FR  
[72] MARCHAL, CLAIRE, FR  
[72] DUCATEL, HELENE, FR  
[72] DUPUIS, OLIVIER, FR  
[72] PICTON, LUC, FR  
[72] LECERF, DIDIER, FR  
[72] FORBICE, RENAULD, FR  
[71] UNIVERSITE DE REIMS CHAMPAGNE ARDENNE, FR  
[71] CENTRE VALORISATION GLUCIDES PROD NAT, FR  
[71] UNIVERSITE DE ROUEN, FR  
[71] VANDEPUTTE OLEOCHEMICALS, BE  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[85] 2015-10-19  
[86] 2014-04-24 (PCT/FR2014/050994)  
[87] (WO2014/174220)  
[30] FR (1353718) 2013-04-24

[21] **2,909,793**  
[13] A1

[51] **Int.Cl. A61K 31/704 (2006.01)**

[25] EN

[54] **METHODS AND DEVICES FOR AFFECTING NERVE FUNCTION**

[54] **PROCEDES ET DISPOSITIFS POUR ALTERER UNE FONCTION NERVEUSE**

[72] VENKATESWARA-RAO, KONDAPAVULUR T., US  
[72] EVANS, MICHAEL A., US  
[72] STEIN, EMILY A., US  
[72] WHOLEY, MARK H., US  
[71] VENKATESWARA-RAO, KONDAPAVULUR T., US  
[71] EVANS, MICHAEL A., US  
[71] STEIN, EMILY A., US  
[71] WHOLEY, MARK H., US  
[85] 2015-10-19  
[86] 2014-03-17 (PCT/US2014/030804)  
[87] (WO2014/145946)  
[30] US (61/794,763) 2013-03-15

[21] **2,909,794**  
[13] A1

[51] **Int.Cl. B65D 81/30 (2006.01) B29C 49/00 (2006.01)**

[25] EN

[54] **COMPOSITE FOAMED CONTAINER**

[54] **CONTENEUR EN MOUSSE COMPOSITE**

[72] ICHIKAWA, KENTAROU, JP  
[72] AKUZAWA, NORIO, JP  
[72] KOISO, NOBUHISA, JP  
[72] IINO, HIROKI, JP  
[71] TOYO SEIKAN GROUP HOLDINGS, LTD., JP  
[85] 2015-10-16  
[86] 2014-04-25 (PCT/JP2014/061712)  
[87] (WO2014/178346)  
[30] JP (2013-096759) 2013-05-02

[21] **2,909,795**  
[13] A1

[51] **Int.Cl. A61M 5/00 (2006.01) A61M 35/00 (2006.01)**

[25] EN

[54] **MEDICAL SKIN APPLICATOR APPARATUS**

[54] **APPAREIL MEDICAL D'APPLICATION SUR LA PEAU**

[72] DURHAM, CARMINE J., US  
[72] MORGAN, R. ANDREW, US  
[72] PARKS, DAWN, US  
[72] KVALO, MICHAEL, US  
[71] ZUREX PHARMA, INC., US  
[85] 2015-10-19  
[86] 2014-04-11 (PCT/US2014/033822)  
[87] (WO2014/172200)  
[30] US (61/813,953) 2013-04-19

[21] **2,909,796**  
[13] A1

[51] **Int.Cl. B05B 17/06 (2006.01) A47F 3/00 (2006.01) B05B 7/00 (2006.01) B60H 3/02 (2006.01) F24F 6/14 (2006.01) B05B 12/08 (2006.01)**

[25] FR

[54] **NEBULIZER SYSTEM FOR FRESHENING THE AIR**

[54] **SYSTEME DE NEBULISATION POUR RAFRAICHIR L'AIR**

[72] GSCHWIND, MICHEL, FR  
[72] RICHARD, FREDERIC, FR  
[72] SABRAOUI, ABBAS, FR  
[71] ARECO FINANCES ET TECHNOLOGIE - ARFITEC, FR  
[85] 2015-10-19  
[86] 2014-04-29 (PCT/FR2014/051025)  
[87] (WO2014/177805)  
[30] FR (1353966) 2013-04-30

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[21] **2,909,797**  
[13] A1

[51] **Int.Cl. G05D 23/20 (2006.01) G05B 19/042 (2006.01) G05D 23/19 (2006.01)**

[25] EN

[54] **CONTROLLING AN HVAC SYSTEM DURING DEMAND RESPONSE EVENTS**

[54] **COMMANDE D'UN SYSTEME CVCA AU COURS D'EVENEMENTS DE REPONSE A UNE DEMANDE**

[72] MATSUOKA, YOKY, US  
[72] MALHOTRA, MARK, US  
[72] MINICH, ALLEN J., US  
[72] STEFANSKI, MARK D., US  
[71] GOOGLE INC., US  
[85] 2015-10-19  
[86] 2014-04-15 (PCT/US2014/034213)  
[87] (WO2014/172374)  
[30] US (13/866,635) 2013-04-19

[21] **2,909,798**  
[13] A1

[51] **Int.Cl. C01B 39/22 (2006.01) C01B 39/14 (2006.01)**

[25] FR

[54] **ZEOLITES WITH HIERARCHICAL POROSITY**

[54] **ZEOLITHES A POROSITE HIERARCHISEE**

[72] NICOLAS, SERGE, FR  
[72] LOPEZ, KARINE, FR  
[72] LUTZ, CECILE, FR  
[72] BOUVIER, LUDIVINE, FR  
[71] CECA S.A., FR  
[85] 2015-10-19  
[86] 2014-08-04 (PCT/FR2014/052028)  
[87] (WO2015/019013)  
[30] FR (13.57762) 2013-08-05

[21] **2,909,799**  
[13] A1

[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/12 (2006.01)**

[25] EN

[54] **SELECTIVELY PERFORMING MAN IN THE MIDDLE DECRYPTION**

[54] **EXECUTION DE MANIERE SELECTIVE DE MAN DANS LE DECHIFFREMENT CENTRAL**

[72] MARTINI, PAUL MICHAEL, US  
[71] IBOSS, INC., US  
[85] 2015-10-19  
[86] 2014-04-15 (PCT/US2014/034236)  
[87] (WO2014/172384)  
[30] US (13/865,850) 2013-04-18

[21] **2,909,800**  
[13] A1

[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/015 (2006.01)**

[25] EN

[54] **CONTAINER**

[54] **RECIPIENT**

[72] RAMSEY, PETER, GB  
[71] MEDITECH ENDOSCOPY LIMITED, GB  
[85] 2015-10-19  
[86] 2013-12-20 (PCT/GB2013/053382)  
[87] (WO2014/177822)  
[30] GB (1307793.8) 2013-04-30  
[30] GB (1313698.1) 2013-07-31

[21] **2,909,801**  
[13] A1

[51] **Int.Cl. H04L 1/00 (2006.01) H04N 19/895 (2014.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR TRANSMITTING AND RECEIVING FORWARD ERROR CORRECTION PACKET**

[54] **APPAREIL ET PROCEDE DE TRANSMISSION ET DE RECEPTION DE PAQUET DE CORRECTION D'ERREURS SANS CIRCUIT DE RETOUR**

[72] HWANG, SUNG-HEE, KR  
[72] YANG, HYUN-KOO, KR  
[72] MYUNG, SEHO, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/KR2014/003362)  
[87] (WO2014/171763)  
[30] KR (10-2013-0042045) 2013-04-17

[21] **2,909,802**  
[13] A1

[51] **Int.Cl. C07K 16/10 (2006.01) A61K 31/215 (2006.01) A61K 39/42 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS OF INFLUENZA**

[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT ET LE DIAGNOSTIC DE LA GRIPPE**

[72] GRANDEA, ANDRES G., US  
[72] KING, GORDON, US  
[72] COX, THOMAS C., US  
[72] OLSEN, OLE, US  
[72] MITCHAM, JENNIFER, US  
[72] MOYLE, MATTHEW, US  
[72] HAMMOND, PHIL, US  
[71] THERACLONE SCIENCES, INC., US  
[71] HAMMOND, PHIL, US  
[85] 2015-10-19  
[86] 2014-04-18 (PCT/US2014/034634)  
[87] (WO2014/176128)  
[30] US (61/814,694) 2013-04-22

[21] **2,909,803**  
[13] A1

[51] **Int.Cl. E21B 31/107 (2006.01)**

[25] EN

[54] **JARRING APPARATUS**

[54] **APPAREIL DE BATTAGE**

[72] MOYES, PETER BARNES, GB  
[71] ROTOJAR LIMITED, GB  
[85] 2015-10-19  
[86] 2014-04-17 (PCT/GB2014/051212)  
[87] (WO2014/170686)  
[30] GB (1307112.1) 2013-04-19

[21] **2,909,804**  
[13] A1

[51] **Int.Cl. H04S 7/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PRODUCING AN ACOUSTIC FIELD**

[54] **PROCEDE ET APPAREIL POUR PRODUIRE UN CHAMP ACOUSTIQUE**

[72] CARTER, THOMAS ANDREW, GB  
[72] LONG, BENJAMIN JOHN OLIVER, GB  
[72] SUBRAMANIAN, SRIRAM, GB  
[71] ULTRAHAPTICS LIMITED, GB  
[85] 2015-10-19  
[86] 2014-04-29 (PCT/GB2014/051319)  
[87] (WO2014/181084)  
[30] GB (1308274.8) 2013-05-08

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[21] <b>2,909,805</b> [13] A1	[21] <b>2,909,807</b> [13] A1	[21] <b>2,909,809</b> [13] A1
[51] <b>Int.Cl. B65D 85/32 (2006.01)</b> [25] EN [54] <b>PACKAGING UNIT AND METHOD FOR PACKING PRODUCTS</b> [54] <b>UNITE D'EMBALLAGE ET PROCEDE D'EMBALLAGE DE PRODUITS</b> [72] HOEKSTRA, HENDRIK CHRISTIAAN ADOLF, NL [72] DIJKSTRA, WIJBE, NL [72] POST, JOHANNES JELLE, NL [71] HUHTAMAKI MOLDED FIBER TECHNOLOGY B.V., NL [85] 2015-10-16 [86] 2014-04-15 (PCT/NL2014/050234) [87] (WO2014/185774) [30] NL (2010825) 2013-05-17 [30] NL (2011037) 2013-06-25 [30] NL (2011878) 2013-12-02	[51] <b>Int.Cl. C07K 14/47 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)</b> [25] EN [54] <b>RECOMBINANT ADENO-ASSOCIATED VIRUS DELIVERY OF EXON 2-TARGETED U7SNRNA POLYNUCLEOTIDE CONSTRUCTS</b> [54] <b>ADMINISTRATION DE VIRUS ADENO-ASSOCIE RECOMBINANT DE CONSTRUCTIONS POLYNUCLEOTIDIQUES U7SNARN CIBLANT L'EXON 2</b> [72] FLANIGAN, KEVIN, US [72] VULIN-CHAFFIOL, ADELINE, US [72] WEIN, NICOLAS, US [71] RESEARCH INSTITUTE OF NATIONWIDE CHILDREN'S HOSPITAL, US [85] 2015-10-19 [86] 2014-04-18 (PCT/US2014/034702) [87] (WO2014/172669) [30] US (61/814,256) 2013-04-20	[51] <b>Int.Cl. B63B 21/00 (2006.01) B63B 21/50 (2006.01) F03B 13/14 (2006.01)</b> [25] EN [54] <b>SYSTEMS AND METHODS OF MOORING AN ARRAY OF WAVE ENERGY CONVERTERS</b> [54] <b>SYSTEMES ET PROCEDES D'AMARRAGE D'UN RESEAU DE CONVERTISSEURS D'ENERGIE DES VAGUES</b> [72] NICOLL, RYAN STUART, CA [72] WEGENER, PAUL, US [71] EPITOME PHARMACEUTICALS LIMITED, CA [71] WEGENER, PAUL, US [85] 2015-10-19 [86] 2014-04-18 (PCT/US2014/034726) [87] (WO2014/172686) [30] US (61/814,108) 2013-04-19
[21] <b>2,909,806</b> [13] A1	[21] <b>2,909,808</b> [13] A1	[21] <b>2,909,811</b> [13] A1
[51] <b>Int.Cl. A61K 31/4704 (2006.01) A61K 31/5375 (2006.01) A61P 27/02 (2006.01)</b> [25] EN [54] <b>ORAL PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING DRY EYE SYNDROME COMPRISING REBAMIPIDE OR A PRODRUG THEREOF</b> [54] <b>COMPOSITION PHARMACEUTIQUE ADMINISTRABLE PAR VOIE ORALE POUR LA PREVENTION OU LE TRAITEMENT DE LA KERATOCONJONCTIVITE SECHE, COMPRENANT DU REBAMIPIDE OU UN PROMEDICAMENT CORRESPONDANT</b> [72] CHO, EUI-HWAN, KR [72] CHOI, SUNG JU, KR [72] LEE, SUNG WOO, KR [72] SHIN, HEE JONG, KR [72] YOON, JONG BAE, KR [72] PARK, KI SEOK, KR [72] NAM, HO TAE, KR [71] SAMJIN PHARMACEUTICAL CO., LTD., KR [71] ASTECH. CO., LTD., KR [85] 2015-10-16 [86] 2014-04-17 (PCT/KR2014/003329) [87] (WO2014/171748) [30] KR (10-2013-0043141) 2013-04-18	[51] <b>Int.Cl. G09F 1/06 (2006.01) B31B 19/26 (2006.01) B65H 45/04 (2006.01)</b> [25] EN [54] <b>FOLDING DEVICE, USE OF THE SAME AND A METHOD FOR PRODUCING AN INFORMATION PRESENTING DEVICE</b> [54] <b>DISPOSITIF DE PLIAGE, UTILISATION DUDIT DISPOSITIF ET PROCEDE DE PRODUCTION D'UN DISPOSITIF DE PRESENTATION D'INFORMATIONS</b> [72] MIRSCH, JANI, SE [71] MIZELDA AB, SE [85] 2015-10-16 [86] 2014-06-03 (PCT/SE2014/050674) [87] (WO2014/196918) [30] SE (1350688-6) 2013-06-05	[51] <b>Int.Cl. E02B 8/08 (2006.01)</b> [25] EN [54] <b>ARRANGEMENT FOR FLOWING BODIES OF WATER</b> [54] <b>AGENCEMENT EN EAUX COURANTES</b> [72] MONAI, BERNHARD, AT [71] MONAI, BERNHARD, AT [85] 2015-10-19 [86] 2014-04-07 (PCT/AT2014/000073) [87] (WO2014/172721) [30] AT (A 348/2013) 2013-04-25

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[21] **2,909,814**  
[13] A1

[51] **Int.Cl. G01N 33/48 (2006.01) G01N 30/72 (2006.01) G01N 33/84 (2006.01) G01N 21/80 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS TO DETERMINE BODY DRUG CONCENTRATION FROM AN ORAL FLUID**

[54] **SYSTEMES ET METHODES DE DETERMINATION DE LA CONCENTRATION D'UNE DROGUE DANS L'ORGANISME A PARTIR D'UN PRELEVEMENT BUCCAL**

[72] STRIPP, RICHARD, US

[71] STERLING HEALTHCARE OPCO, LLC, US

[85] 2015-10-19

[86] 2014-04-21 (PCT/US2014/034810)

[87] (WO2014/176167)

[30] US (61/815,205) 2013-04-23

[21] **2,909,817**  
[13] A1

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

[25] EN

[54] **LIQUID NATURAL GAS COOLING ON THE FLY**

[54] **REFROIDISSEMENT DE GAZ NATUREL LIQUEFIE A LA VOLEE**

[72] DRUBE, TOM, US

[71] CHART INDUSTRIES, INC., US

[85] 2015-10-19

[86] 2014-04-22 (PCT/US2014/034970)

[87] (WO2014/176249)

[30] US (61/814,697) 2013-04-22

[21] **2,909,818**  
[13] A1

[51] **Int.Cl. B65D 51/22 (2006.01) A61F 9/00 (2006.01)**

[25] EN

[54] **CONTAINER**

[54] **RECIPIENT**

[72] SPALLEK, MICHAEL, DE

[72] GESER, JOHANNES, DE

[71] KOCHER-PLASTIK MASCHINENBAU GMBH, DE

[85] 2015-10-19

[86] 2014-02-15 (PCT/EP2014/000421)

[87] (WO2014/169979)

[30] DE (10 2013 007 063.5) 2013-04-19

[21] **2,909,819**  
[13] A1

[51] **Int.Cl. C10M 147/00 (2006.01) C10M 169/04 (2006.01)**

[25] EN

[54] **SEAL COMPATIBILITY ADDITIVE TO IMPROVE FLUOROPOLYMER SEAL COMPATIBILITY OF LUBRICANT COMPOSITIONS**

[54] **ADDITIF DE COMPATIBILITE AVEC LES JOINTS POUR AMELIORER LA COMPATIBILITE AVEC LES JOINTS FLUOROPOLYMERES DE COMPOSITIONS LUBRIFIANTES**

[72] DESANTIS, KEVIN, US

[72] HOEY, MICHAEL, US

[72] CHASAN, DAVID, US

[72] JONES, STEPHEN, US

[72] JUNG, AL, US

[72] RABBAT, PHIL, US

[71] BASF SE, DE

[85] 2015-10-19

[86] 2014-04-22 (PCT/US2014/035001)

[87] (WO2014/176260)

[30] US (61/814,698) 2013-04-22

[21] **2,909,820**  
[13] A1

[51] **Int.Cl. A47L 13/51 (2006.01) B62B 3/04 (2006.01) B62B 3/10 (2006.01)**

[25] EN

[54] **CLEANING CART**

[54] **CHARIOT ROULANT DE NETTOYAGE**

[72] EISENHUT, ANDREAS, DE

[72] ZIMMERMANN, CHRISTOPH, DE

[72] MEIER, BRUNO, CH

[72] THOMA, CHRISTIAN, DE

[71] CARL FREUDENBERG KG, DE

[85] 2015-10-19

[86] 2014-04-11 (PCT/EP2014/000970)

[87] (WO2014/173503)

[30] DE (10 2013 007 040.6) 2013-04-24

[21] **2,909,821**  
[13] A1

[51] **Int.Cl. C10M 147/00 (2006.01) C10M 169/04 (2006.01)**

[25] EN

[54] **SEAL COMPATIBILITY ADDITIVE TO IMPROVE FLUOROPOLYMER SEAL COMPATIBILITY OF LUBRICANT COMPOSITIONS**

[54] **ADDITIF DE COMPATIBILITE AVEC LES JOINTS POUR AMELIORER LA COMPATIBILITE AVEC LES JOINTS FLUOROPOLYMERES DE COMPOSITIONS LUBRIFIANTES**

[72] DESANTIS, KEVIN, US

[72] HOEY, MICHAEL, US

[72] CHASAN, DAVID, US

[72] JONES, STEPHEN, US

[72] JUNG, AL, US

[72] RABBAT, PHIL, US

[71] BASF SE, DE

[85] 2015-10-19

[86] 2014-04-22 (PCT/US2014/034983)

[87] (WO2014/176254)

[30] US (61/814,698) 2013-04-22

[21] **2,909,822**  
[13] A1

[51] **Int.Cl. C10M 171/00 (2006.01) C10M 147/04 (2006.01) C10M 169/04 (2006.01)**

[25] EN

[54] **SEAL COMPATIBILITY ADDITIVE TO IMPROVE FLUOROPOLYMER SEAL COMPATIBILITY OF LUBRICANT COMPOSITIONS**

[54] **ADDITIF DE COMPATIBILITE AVEC LES JOINTS POUR AMELIORER LA COMPATIBILITE AVEC LES JOINTS FLUOROPOLYMERES DE COMPOSITIONS LUBRIFIANTES**

[72] DESANTIS, KEVIN, US

[72] HOEY, MICHAEL, US

[72] CHASAN, DAVID, US

[72] JONES, STEPHEN, US

[72] JUNG, AL, US

[72] RABBAT, PHIL, US

[71] BASF SE, DE

[85] 2015-10-19

[86] 2014-04-22 (PCT/US2014/035016)

[87] (WO2014/176269)

[30] US (61/814,698) 2013-04-22

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[21] **2,909,824**  
[13] A1

[51] **Int.Cl. A61F 2/58 (2006.01)**  
[25] EN  
[54] **ARTIFICIAL FINGER**  
[54] **DOIGT ARTIFICIEL**  
[72] MANDL, CLEMENS, AT  
[72] OECKER, LEOPOLD, AT  
[72] SKIERA, RICHARD, AT  
[72] VAN VLIET, JOHANNIS WILLEM, AT  
[72] NADERER, RONALD, AT  
[72] FERRARA, PAOLO, AT  
[72] SCHAUSBERGER, FLORIAN, AT  
[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT  
[85] 2015-10-19  
[86] 2014-04-29 (PCT/EP2014/001143)  
[87] (WO2014/177272)  
[30] DE (10 2013 007 539.4) 2013-05-03

[21] **2,909,825**  
[13] A1

[51] **Int.Cl. A61K 8/58 (2006.01) A61K 8/81 (2006.01) A61Q 3/02 (2006.01)**  
[25] EN  
[54] **NAIL COATINGS HAVING ENHANCED ADHESION**  
[54] **VERNIS A ONGLES A ADHERENCE AMELIOREE**  
[72] VALIA, DAVID, US  
[72] ELLIS, JAMIE, US  
[71] CREATIVE NAIL DESIGN, INC., US  
[85] 2015-10-19  
[86] 2014-04-22 (PCT/US2014/035028)  
[87] (WO2014/176275)  
[30] US (61/814,691) 2013-04-22

[21] **2,909,826**  
[13] A1

[51] **Int.Cl. A61K 9/02 (2006.01) A61K 47/06 (2006.01) A61K 47/30 (2006.01)**  
[25] EN  
[54] **CHELATION SUPPOSITORY FOR IMPROVED DRUG DELIVERY**  
[54] **SUPPOSITOIRE DE CHELATION POUR UNE ADMINISTRATION DE MEDICAMENTS AMELIOREE**  
[72] SETTINERI, ROBERT A., US  
[72] PFADENHAUER, ERNEST H., US  
[71] APPLIED BIORESEARCH, INC., US  
[85] 2015-10-19  
[86] 2014-03-12 (PCT/US2014/024927)  
[87] (WO2014/165239)  
[30] US (61/778,256) 2013-03-12  
[30] US (61/943,143) 2014-02-21

[21] **2,909,829**  
[13] A1

[51] **Int.Cl. B65D 25/20 (2006.01)**  
[25] EN  
[54] **TRANSPORT CONTAINER HAVING AN IDENTIFICATION CARRIER**  
[54] **RECIPIENT DE TRANSPORT POUR VU D'UN SUPPORT D'IDENTIFICATION**  
[72] FINKE, RALF-PETER, DE  
[72] SCHAFFER, HUBERT, DE  
[71] PAUL CRAEMER GMBH, DE  
[85] 2015-10-19  
[86] 2014-04-14 (PCT/EP2014/057512)  
[87] (WO2014/170261)  
[30] DE (202013101653.5) 2013-04-17

[21] **2,909,834**  
[13] A1

[51] **Int.Cl. A61K 38/37 (2006.01) A61K 47/48 (2006.01) A61P 7/04 (2006.01) C07K 14/755 (2006.01)**  
[25] EN  
[54] **COMPLEX**  
[54] **COMPLEXE**  
[72] METZNER, HUBERT, DE  
[72] SCHULTE, STEFAN, DE  
[72] WEIMER, THOMAS, DE  
[71] CLS LIMITED, AU  
[85] 2015-10-19  
[86] 2014-04-22 (PCT/EP2014/058093)  
[87] (WO2014/173873)  
[30] EP (13164728.1) 2013-04-22

[21] **2,909,838**  
[13] A1

[51] **Int.Cl. E02B 9/08 (2006.01) F03B 13/16 (2006.01)**  
[25] EN  
[54] **HYBRID ENERGY PLANT**  
[54] **INSTALLATION D'ENERGIE HYBRIDE**  
[72] SILTALA, TIMO, FI  
[72] KAUKANEN, AKI, FI  
[71] SUBSEA-ENERGY OY, FI  
[85] 2015-10-19  
[86] 2014-04-22 (PCT/FI2014/050289)  
[87] (WO2014/170557)  
[30] FI (20135402) 2013-04-19

[21] **2,909,841**  
[13] A1

[51] **Int.Cl. A61K 36/13 (2006.01) A23K 1/16 (2006.01) A61P 1/00 (2006.01)**  
[25] EN  
[54] **TALL OIL FATTY ACID FOR USE IN TREATMENT AND ANIMAL FEED SUPPLEMENTS AND COMPOSITIONS**  
[54] **ACIDE GRAS DE TALL OIL**  
[72] VUORENMAA, JUHANI, FI  
[72] KETTUNEN, HANNELE, FI  
[71] HANKKIJÄ OY, FI  
[85] 2015-10-19  
[86] 2014-05-09 (PCT/FI2014/050346)  
[87] (WO2014/184430)  
[30] FI (20135506) 2013-05-14

[21] **2,909,851**  
[13] A1

[51] **Int.Cl. C12N 5/0793 (2010.01) C12N 5/071 (2010.01) C12N 5/079 (2010.01)**  
[25] EN  
[54] **METHODS FOR OBTAINING RETINAL PROGENITORS, RETINAL PIGMENTED EPITHELIAL CELLS AND NEURAL RETINAL CELLS**  
[54] **PROCEDES POUR L'OBTENTION DE PROGENITEURS RETINIENS, CELLULES EPITHELIALES PIGMENTAIRES RETINIENNES ET CELLULES NEURONALES RETINIENNES**  
[72] REICHMAN, SACHA, FR  
[72] GOUREAU, OLIVIER, FR  
[72] SAHEL, JOSE-ALAIN, FR  
[71] UNIVERSITE PIERRE ET MARIE CURIE (PARIS 6), FR  
[85] 2015-10-19  
[86] 2014-04-25 (PCT/IB2014/061010)  
[87] (WO2014/174492)  
[30] EP (13165654.8) 2013-04-26

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[21] **2,909,855**  
[13] A1

[51] **Int.Cl. C12G 3/04 (2006.01) A61K 9/00 (2006.01) A61K 31/047 (2006.01) A61K 31/7004 (2006.01) A61K 31/7016 (2006.01) A61K 31/704 (2006.01)**

[25] EN  
[54] **REDUCED TOXICITY IN ALCOHOLIC BEVERAGES**  
[54] **TOXICITE REDUITE DANS DES BOISSONS ALCOOLISEES**  
[72] CHIGURUPATI, HARSHA, IN  
[72] BIYANI, MANISH RADHESHYAM, IN  
[72] AUDDY, BISWAJIT, IN  
[71] CHIGURUPATI TECHNOLOGIES PRIVATE LIMITED, IN  
[85] 2015-10-19  
[86] 2014-04-28 (PCT/IB2014/061051)  
[87] (WO2014/177989)  
[30] IN (1894/CHE/2013) 2013-04-29

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[21] **2,909,857**  
[13] A1

[51] **Int.Cl. B05B 7/00 (2006.01) A47K 5/12 (2006.01) A47K 5/14 (2006.01) B05B 11/00 (2006.01)**

[25] EN  
[54] **HORIZONTAL PUMPS WITH REDUCED PART COUNT, REFILL UNITS AND DISPENSERS**  
[54] **POMPES HORIZONTALES A NOMBRE DE PIECES REDUIT, UNITES DE REMPLISSAGE ET DISTRIBUTEURS**  
[72] QUINLAN, ROBERT L., US  
[72] MCNULTY, JOHN J., US  
[71] GOJO INDUSTRIES, INC., US  
[85] 2015-10-19  
[86] 2014-04-23 (PCT/US2014/035072)  
[87] (WO2014/176305)  
[30] US (61/815,926) 2013-04-25

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[21] **2,909,858**  
[13] A1

[51] **Int.Cl. G06F 21/60 (2013.01) H04L 9/14 (2006.01)**

[25] EN  
[54] **ACCUMULATING AUTOMATA AND CASCADED EQUATIONS AUTOMATA FOR NON-INTERACTIVE AND PERENNIAL SECURE MULTI-PARTY COMPUTATION**  
[54] **AUTOMATES ACCUMULATEURS ET AUTOMATES D'EQUATIONS MISES EN CASCADE POUR UN CALCUL SECURISE CONTINU ET NON INTERACTIF PAR PLUSIEURS PARTIES**  
[72] DOLEV, SHLOMO, IL  
[72] GILBOA, NIV, IL  
[72] LI, XIMING, IL  
[71] B.G. NEGEV TECHNOLOGIES AND APPLICATIONS LTD., IL  
[85] 2015-10-19  
[86] 2014-04-23 (PCT/IL2014/050372)  
[87] (WO2014/174516)  
[30] US (61/815,748) 2013-04-25  
[30] US (61/870,838) 2013-08-28

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[21] **2,909,860**  
[13] A1

[51] **Int.Cl. F16F 9/32 (2006.01) B60G 15/06 (2006.01) F16F 1/06 (2006.01)**

[25] EN  
[54] **SUSPENSION COIL SPRING AND STRUT-TYPE SUSPENSION DEVICE**  
[54] **RESSORT HELICOIDAL DE SUSPENSION ET DISPOSITIF DE SUSPENSION DE TYPE AMORTISSEUR**  
[72] SANO, MASANORI, JP  
[72] SAYAMA, HIRONOBU, JP  
[72] HIROKANE, TORU, JP  
[71] MITSUBISHI STEEL MFG. CO., LTD., JP  
[85] 2015-10-19  
[86] 2014-05-09 (PCT/JP2014/062502)  
[87] (WO2014/181872)  
[30] JP (2013-100630) 2013-05-10  
[30] JP (2014-097117) 2014-05-08

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[21] **2,909,861**  
[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C12Q 1/25 (2006.01)**

[25] EN  
[54] **MULTIPLEXED ANALYSIS OF TARGET NUCLEIC ACIDS**  
[54] **ANALYSE MULTIPLEXEE D'ACIDES NUCLEIQUES CIBLES**  
[72] PREGIBON, DANIEL C., US  
[72] STONER, ISAAC, US  
[72] FUSCO, ANTHONY, US  
[72] TACKETT, MICHAEL R., US  
[71] FIREFLY BIOWORKS, INC., US  
[85] 2015-10-19  
[86] 2014-04-25 (PCT/US2014/035578)  
[87] (WO2014/176575)  
[30] US (61/816,070) 2013-04-25  
[30] US (61/936,826) 2014-02-06

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[21] **2,909,864**  
[13] A1

[51] **Int.Cl. B65D 6/24 (2006.01) B65D 85/76 (2006.01)**

[25] EN  
[54] **DISASSEMBLEABLE CHEESE CONTAINER WITH WRAP-AROUND INTERLOCK AND INCREASED FILL VOLUME**  
[54] **CONTENANT DE FROMAGE POUVANT ETRE DESASSEMBLE AYANT UN DISPOSITIF DE VERROUILLAGE ENVELOPPANT ET UN VOLUME DE REMPLISSAGE ACCRU**  
[72] ARENA, CHARLES S., US  
[72] WILCOX, DONALD E., US  
[71] A.R. ARENA PRODUCTS, INC., US  
[85] 2015-10-19  
[86] 2014-04-25 (PCT/US2014/035584)  
[87] (WO2014/176578)  
[30] US (61/815,820) 2013-04-25

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[21] **2,909,865**  
[13] A1

[51] **Int.Cl. E01F 9/08 (2006.01)**  
[25] EN  
[54] **ROAD MARKING**  
[54] **MARQUAGE DE ROUTE**  
[72] HEERKENS, JOSEPHUS CORNELIS  
PETRUS, NL  
[72] GORIS, JOHAN HENK, NL  
[72] DE WAAL, VINCENT HENDRIKUS  
ARNOLDUS, NL  
[72] PETERS, MICHIEL, NL  
[72] MARTHERUS, PETRUS RONALDUS  
GEORGE THEODORUS, NL  
[71] HEIJMANS N.V., NL  
[85] 2015-10-19  
[86] 2014-04-23 (PCT/NL2014/050261)  
[87] (WO2014/175732)  
[30] NL (2010700) 2013-04-24  
[30] NL (2011813) 2013-11-18  
[30] NL (2011997) 2013-12-20  
[30] NL (2012542) 2014-04-01

[21] **2,909,868**  
[13] A1

[51] **Int.Cl. C12N 15/11 (2006.01) C12N  
15/113 (2010.01) A61K 31/7125  
(2006.01)**  
[25] EN  
[54] **COMPOUNDS AND METHODS  
FOR ENHANCED CELLULAR  
UPTAKE**  
[54] **COMPOSES ET PROCEDES POUR  
ABSORPTION CELLULAIRE  
AMELIOREE**  
[72] BHAT, BALKRISHEN, US  
[71] REGULUS THERAPEUTICS INC., US  
[85] 2015-10-19  
[86] 2014-04-30 (PCT/US2014/036136)  
[87] (WO2014/179445)  
[30] US (61/818,441) 2013-05-01  
[30] US (61/818,447) 2013-05-01  
[30] US (61/822,115) 2013-05-10  
[30] US (61/895,708) 2013-10-25

[21] **2,909,870**  
[13] A1

[51] **Int.Cl. E21B 17/00 (2006.01)**  
[25] EN  
[54] **DRILL PIPE**  
[54] **TIGE DE FORAGE**  
[72] LAMIK-THONHAUSER, BOUCHRA,  
AT  
[72] SCHEIBELMASSER, ANTON, AT  
[72] KOTOV, ANTON, RU  
[72] FINE, ALEXANDER, AT  
[72] GUTSCHELHOFER, MANFRED, AT  
[72] JUD, JOHANN, AT  
[72] AICHINGER, FLORIAN, AT  
[71] THINK AND VISION GMBH, AT  
[85] 2015-10-20  
[86] 2014-03-27 (PCT/AT2014/000063)  
[87] (WO2014/172720)  
[30] AT (A 336/2013) 2013-04-22

[21] **2,909,871**  
[13] A1

[51] **Int.Cl. A61K 45/06 (2006.01) A61K  
31/4025 (2006.01) A61P 3/06 (2006.01)  
A61P 9/00 (2006.01)**  
[25] EN  
[54] **METHODS FOR IMPROVING  
LIPID PROFILES USING  
ATRASENTAN**  
[54] **PROCEDES PERMETTANT  
D'AMELIORER LES PROFILS  
LIPIDIQUES A L'AIDE DE  
L'ATRASENTAN**  
[72] COLL CRESPO, BLAS, US  
[72] ANDRESS, DENNIS, US  
[72] BRENNAN, PETER J., US  
[72] STOLZENBACH, JAMES C., US  
[71] ABBVIE INC., US  
[85] 2015-10-19  
[86] 2014-04-30 (PCT/US2014/036152)  
[87] (WO2014/179453)  
[30] US (61/817,645) 2013-04-30  
[30] US (61/824,199) 2013-05-16

[21] **2,909,873**  
[13] A1

[51] **Int.Cl. G01N 24/08 (2006.01)**  
[25] EN  
[54] **NUCLEAR MAGNETIC  
RESONANCE TOOL  
CALIBRATION**  
[54] **ETALONNAGE D'UN OUTIL A  
RESONANCE MAGNETIQUE  
NUCLEAIRE**  
[72] JACHMANN, REBECCA CORINA,  
US  
[72] YANG, JIE, US  
[71] HALLIBURTON ENERGY  
SERVICES, INC., US  
[85] 2015-10-19  
[86] 2013-05-30 (PCT/US2013/043345)  
[87] (WO2014/193386)

[21] **2,909,875**  
[13] A1

[51] **Int.Cl. B23K 11/11 (2006.01) B23K  
11/24 (2006.01) B23K 35/04 (2006.01)**  
[25] EN  
[54] **ALUMINUM SPOT WELDING  
METHOD**  
[54] **PROCEDE DE SOUDAGE PAR  
POINTS D'ALUMINIUM**  
[72] HILL, JOHN EDWARD, US  
[72] DEVERS, TERENCE ANTHONY, CA  
[71] MAGNA INTERNATIONAL INC., CA  
[85] 2015-10-19  
[86] 2014-05-01 (PCT/US2014/036333)  
[87] (WO2014/179547)  
[30] US (61/819,182) 2013-05-03

[21] **2,909,876**  
[13] A1

[51] **Int.Cl. B65H 35/08 (2006.01) B65H  
37/04 (2006.01) B65H 39/14 (2006.01)**  
[25] EN  
[54] **MATERIAL APPLICATION  
SYSTEM**  
[54] **SYSTEME D'APPLICATION DE  
MATERIAU**  
[72] NASH, JORGE A., US  
[72] CAVINS, ORION A., US  
[71] H.B. FULLER COMPANY, US  
[85] 2015-10-19  
[86] 2014-05-22 (PCT/US2014/039173)  
[87] (WO2014/193735)  
[30] US (13/904,781) 2013-05-29

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[21] **2,909,878**  
[13] A1

[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  
[71] 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

[21] **2,909,879**  
[13] A1

[51] **Int.Cl. F23G 7/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR MINIMIZING SMOKE FORMATION IN A FLARING STACK**

[54] **APPAREIL ET PROCEDE PERMETTANT DE REDUIRE AU MINIMUM LA FORMATION DE FUMEE DANS UNE TOUR DE TORCHE**

[72] MCCLAIN, DONNIE DEE, US  
[72] MARTIN, RICHARD R., US  
[72] JENNINGS, JAY D., US  
[71] HONEYWELL INTERNATIONAL INC., US  
[85] 2015-10-19  
[86] 2014-05-02 (PCT/US2014/036498)  
[87] (WO2014/179650)  
[30] US (61/819,189) 2013-05-03  
[30] US (61/819,192) 2013-05-03  
[30] US (14/266,997) 2014-05-01  
[30] US (14/266,992) 2014-05-01

[21] **2,909,880**  
[13] A1

[51] **Int.Cl. C02F 11/18 (2006.01) C12M 1/00 (2006.01)**

[25] EN

[54] **METHOD AND INSTALLATION FOR THE THERMAL HYDROLYSIS OF BIOMASS**

[54] **PROCEDE ET INSTALLATION POUR L'HYDROLYSE THERMIQUE D'UNE BIOMASSE**

[72] HOL, ALEX, NL  
[71] SUSTEC CONSULTING & CONTRACTING B.V., NL  
[85] 2015-10-16  
[86] 2014-04-18 (PCT/NL2014/050253)  
[87] (WO2014/171832)  
[30] NL (2010676) 2013-04-19

[21] **2,909,881**  
[13] A1

[51] **Int.Cl. C07D 307/50 (2006.01) B01J 27/18 (2006.01) B01J 27/28 (2006.01) B01J 37/03 (2006.01)**

[25] EN

[54] **PROCESS FOR THE SYNTHESIS OF 5-HYDROXYMETHYLFURFURAL FROM SACCHARIDES**

[54] **PROCEDE DE SYNTHESE DE 5-HYDROXYMETHYLFURFURAL A PARTIR DE SACCHARIDES**

[72] CAPUZZI, LUIGI, IT  
[72] DIGIOIA, FRANCESCA, IT  
[72] CAROTENUTO, GIUSEPPINA, IT  
[71] NOVAMONT S.P.A., IT  
[85] 2015-10-20  
[86] 2014-05-09 (PCT/EP2014/059538)  
[87] (WO2014/180979)  
[30] IT (NO2013A000003) 2013-05-09

[21] **2,909,883**  
[13] A1

[51] **Int.Cl. E21B 36/04 (2006.01) E21B 41/00 (2006.01)**

[25] EN

[54] **DISCONNECTABLE PRESSURE-PRESERVING ELECTRICAL CONNECTOR AND METHOD OF INSTALLATION**

[54] **CONNECTEUR ELECTRIQUE PRESERVANT LA PRESSION ET POUVANT ETRE DECONNECTE AINSI QUE PROCEDE D'INSTALLATION**

[72] EMERSON, TOD D., US  
[72] WILLIAMS, JAMES A., US  
[72] HALBERT, ROBERT K., US  
[71] QUICK CONNECTORS, INC., US  
[85] 2015-10-19  
[86] 2014-05-14 (PCT/US2014/000092)  
[87] (WO2014/185958)  
[30] US (61/823,054) 2013-05-14  
[30] US (61/863,086) 2013-08-07

[21] **2,909,884**  
[13] A1

[51] **Int.Cl. H04R 1/04 (2006.01)**

[25] EN

[54] **MULTI-MODE, WEARABLE, WIRELESS MICROPHONE**

[54] **MICROPHONE VESTIMENTAIRE MULTIMODE SANS FIL**

[72] KOSS, MICHAEL J., US  
[72] BLAIR, NICK S., US  
[72] PELLAND, MICHAEL J., US  
[71] KOSS CORPORATION, US  
[85] 2015-10-19  
[86] 2014-05-28 (PCT/US2014/039743)  
[87] (WO2014/200693)  
[30] US (13/917,097) 2013-06-13

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[21] **2,909,885**  
[13] A1

[51] **Int.Cl. G06F 12/00 (2006.01) G06F 12/12 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR FILE MANAGEMENT BY MOBILE COMPUTING DEVICES**  
[54] **SYSTEMES ET PROCEDES POUR UNE GESTION DE FICHER PAR DES DISPOSITIFS INFORMATIQUES MOBILES**  
[72] SHIGABUTDINOV, RUSLAN ALBERTOVICH, RU  
[71] SHIGABUTDINOV, RUSLAN ALBERTOVICH, RU  
[85] 2015-10-16  
[86] 2013-04-18 (PCT/RU2013/000332)  
[87] (WO2014/171850)

[21] **2,909,887**  
[13] A1

[51] **Int.Cl. H04B 7/155 (2006.01)**  
[25] EN  
[54] **REMOTE DISTRIBUTED ANTENNA SYSTEM**  
[54] **SYSTEME A ANTENNES DISTRIBUEES A DISTANCE**  
[72] FARHAD, BARZEGAR, US  
[72] BARNICKEL, DONALD J., US  
[72] BLANDINO, GEORGE, US  
[72] GERSZBERG, IRWIN, US  
[72] HENRY, PAUL SHALA, US  
[72] WILLIS, THOMAS M., US  
[71] AT&T INTELLECTUAL PROPERTY I, L.P., US  
[85] 2015-10-19  
[86] 2014-05-28 (PCT/US2014/039746)  
[87] (WO2014/193929)  
[30] US (13/907,246) 2013-05-31

[21] **2,909,888**  
[13] A1

[51] **Int.Cl. H04L 12/751 (2013.01)**  
[25] EN  
[54] **IDENTIFYING AN EGRESS PORT OF A DEVICE**  
[54] **IDENTIFICATION D'UN PORT DE SORTIE D'UN DISPOSITIF**  
[72] ROPER, JEFFREY JOHN, GB  
[71] ENTUITY LIMITED, GB  
[85] 2015-10-16  
[86] 2014-04-17 (PCT/EP2014/057962)  
[87] (WO2014/170457)  
[30] GB (1307131.1) 2013-04-19  
[30] GB (1406568.4) 2014-04-11

[21] **2,909,889**  
[13] A1

[51] **Int.Cl. H02H 3/16 (2006.01) H05B 1/02 (2006.01)**  
[25] EN  
[54] **MEDIUM VOLTAGE HEATER ELEMENTS MOISTURE DETECTION CIRCUIT**  
[54] **CIRCUIT DE DETECTION D'HUMIDITE D'ELEMENTS CHAUFFANTS A MOYENNE TENSION**  
[72] TIWANA, KULDIP, US  
[71] CHROMALOX, INC., US  
[85] 2015-10-19  
[86] 2014-03-05 (PCT/US2014/020570)  
[87] (WO2014/172026)  
[30] US (13/866,434) 2013-04-19

[21] **2,909,890**  
[13] A1

[51] **Int.Cl. C07C 271/28 (2006.01) C07C 275/40 (2006.01) C08G 18/02 (2006.01)**  
[25] EN  
[54] **NEW CARBODIIMIDES HAVING TERMINAL UREA AND/OR URETHANE GROUPS, METHODS FOR THE PREPARATION THEREOF AND USE THEREOF**  
[54] **NOUVEAUX CARBODIIMIDES PORTANT DES GROUPES UREE ET/OU URETHANE TERMINAUX, PROCEDES POUR LES PREPARER ET LEUR UTILISATION**  
[72] LAUFER, WILHELM, DE  
[72] BECHEM, BENJAMIN, DE  
[72] ECKERT, ARMIN, DE  
[71] RHEIN-CHEMIE RHEINAU GMBH, DE  
[85] 2015-10-20  
[86] 2014-05-09 (PCT/EP2014/059578)  
[87] (WO2014/184116)  
[30] EP (13167511.8) 2013-05-13

[21] **2,909,891**  
[13] A1

[51] **Int.Cl. A61M 25/10 (2013.01) A61M 29/02 (2006.01) A61M 39/22 (2006.01)**  
[25] EN  
[54] **INTEGRATED BALLOON CATHETER INFLATION SYSTEM**  
[54] **SYSTEME D'INSUFFLATION DE CATHETER A BALLON INTEGRE**  
[72] CHEN, HARVEY H., US  
[72] PHUNG, ANDREW, US  
[72] CHIEN, THOMAS, US  
[72] CHANG, DA-YU, US  
[71] EDWARDS LIFESCIENCES CORPORATION, US  
[85] 2015-10-19  
[86] 2014-08-28 (PCT/US2014/053101)  
[87] (WO2015/031583)  
[30] US (61/871,240) 2013-08-28  
[30] US (14/469,978) 2014-08-27

[21] **2,909,892**  
[13] A1

[51] **Int.Cl. G08B 13/196 (2006.01) H04W 12/08 (2009.01) H04N 21/274 (2011.01) H04N 21/80 (2011.01) G08B 13/18 (2006.01) G08B 21/12 (2006.01) G08B 25/00 (2006.01)**  
[25] EN  
[54] **SECURITY AND/OR MONITORING DEVICES AND SYSTEMS**  
[54] **DISPOSITIFS ET SYSTEMES DE SECURITE ET/OU DE SURVEILLANCE**  
[72] TROUTMAN, JONATHAN D., US  
[72] KRAUSE, JAMES C., US  
[72] SAGER, ADAM D., US  
[72] RILL, CHRISTOPHER I., US  
[72] LAKSHMINARAYANAN, KARTHIK, US  
[72] SCOFFIER, MARC P., US  
[71] CANARY CONNECT, INC., US  
[85] 2015-10-16  
[86] 2014-04-23 (PCT/US2014/035208)  
[87] (WO2014/176379)  
[30] US (61/815,223) 2013-04-23

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[21] **2,909,893**  
[13] A1

[51] **Int.Cl. F16L 37/08 (2006.01) F16L 37/088 (2006.01) F16L 37/12 (2006.01)**

[25] EN

[54] **RAPID COUPLING**

[54] **RACCORD RAPIDE AVEC INDICATEUR DE VERROUILLAGE**

[72] HANSLI, WILLI, CH

[72] MULLER, URS, CH

[71] OETIKER SCHWEIZ AG, CH

[85] 2015-10-20

[86] 2014-10-17 (PCT/EP2014/072373)

[87] (WO2015/104073)

[30] DE (10 2014 000 387.6) 2014-01-10

[21] **2,909,894**  
[13] A1

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61K 31/55 (2006.01) A61P 29/00 (2006.01)**

[25] EN

[54] **PYRAZINO[1,2-A]INDOLE COMPOUNDS, THEIR PREPARATION AND USE IN MEDICAMENTS**

[54] **COMPOSES DE PYRAZINO[1,2-A]INDOLE, LEUR PREPARATION ET LEUR UTILISATION DANS DES MEDICAMENTS**

[72] MERCE-VIDAL, RAMON, ES

[72] DIAZ FERNANDEZ, JOSE LUIS, ES

[71] LABORATORIOS DEL DR. ESTEVE S.A., ES

[85] 2015-10-20

[86] 2014-04-22 (PCT/EP2014/058147)

[87] (WO2014/173903)

[30] EP (13382146.2) 2013-04-23

[21] **2,909,895**  
[13] A1

[51] **Int.Cl. D21H 25/00 (2006.01) B05D 5/08 (2006.01) D06M 13/02 (2006.01) D06M 13/03 (2006.01) D06M 13/07 (2006.01) D06M 13/148 (2006.01) D06M 13/224 (2006.01) D06M 13/46 (2006.01) D06M 13/467 (2006.01) D06M 13/473 (2006.01) D06M 15/227 (2006.01) D06M 15/643 (2006.01) D21F 1/00 (2006.01) D21F 5/18 (2006.01) D21H 27/00 (2006.01)**

[25] EN

[54] **HIGH PERFORMANCE FABRIC RELEASE COMPOSITION AND USE THEREOF**

[54] **COMPOSITION DE LIBERATION DE TISSU A HAUTES PERFORMANCES ET UTILISATION ASSOCIEE**

[72] CHOI, DOEUNG DAVID, US

[72] SHAROYAN, DAVIT E., US

[72] DILKUS, CHRISTOPHER P., US

[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH

[85] 2015-10-15

[86] 2014-04-16 (PCT/US2014/034270)

[87] (WO2014/172405)

[30] US (61/813,289) 2013-04-18

[21] **2,909,898**  
[13] A1

[51] **Int.Cl. G06F 21/88 (2013.01) H04W 4/20 (2009.01) G08B 25/00 (2006.01) G08B 27/00 (2006.01) H04L 12/26 (2006.01) H04L 12/70 (2013.01)**

[25] EN

[54] **DEVICE MONITORING USING MULTIPLE SERVERS OPTIMIZED FOR DIFFERENT TYPES OF COMMUNICATIONS**

[54] **SURVEILLANCE DE DISPOSITIF UTILISANT DE MULTIPLES SERVEURS OPTIMISES POUR DIFFERENTS TYPES DE COMMUNICATIONS**

[72] GORDON, WILLIAM DOYLE, CA

[72] TCHOUDNOVSKII, ARKADI, CA

[71] ABSOLUTE SOFTWARE CORPORATION, CA

[85] 2015-10-19

[86] 2013-10-28 (PCT/CA2013/000923)

[87] (WO2014/063240)

[30] US (61/719,259) 2012-10-26

[21] **2,909,899**  
[13] A1

[51] **Int.Cl. G02B 1/04 (2006.01)**

[25] EN

[54] **PRIMARY AMINE-CONTAINING SILICONE HYDROGEL CONTACT LENSES AND RELATED COMPOSITIONS AND METHODS**

[54] **LENTILLES DE CONTACT EN HYDROGEL DE SILICONE AMINE PRIMAIRE ET COMPOSITIONS ET PROCEDES APPARENTES**

[72] WANG, GUIGUI, US

[72] XUE, HONG, US

[71] COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BB

[85] 2015-10-20

[86] 2014-04-30 (PCT/GB2014/051350)

[87] (WO2014/177871)

[30] US (61/817,606) 2013-04-30

[21] **2,909,900**  
[13] A1

[51] **Int.Cl. H04N 5/347 (2011.01) H04N 5/369 (2011.01)**

[25] FR

[54] **IMAGE CAPTURE WITH ADDITION OF ACCUMULATION SIGNALS FOR ADJACENT PHOTODETECTORS**

[54] **SAISIE D'IMAGE AVEC ADDITION DE SIGNAUX D'ACCUMULATION POUR DES PHOTODETECTEURS ADJACENTS**

[72] LUQUET, PHILIPPE, FR

[71] AIRBUS DEFENCE AND SPACE SAS, FR

[85] 2015-10-20

[86] 2014-04-22 (PCT/FR2014/050963)

[87] (WO2014/174195)

[30] FR (13/00966) 2013-04-25

[21] **2,909,901**  
[13] A1

[51] **Int.Cl. A62B 35/00 (2006.01) A45F 3/04 (2006.01) A47D 13/08 (2006.01) A61F 5/37 (2006.01) A63B 22/00 (2006.01) A63B 69/00 (2006.01)**

[25] EN

[54] **TETHERED TRAINING HARNESS**

[54] **HARNAIS D'ENTRAINEMENT A SANGLE DE RETENUE**

[72] MATTE, SYLVAIN, CA

[71] MATTE, SYLVAIN, CA

[85] 2015-10-19

[86] 2013-04-22 (PCT/CA2013/050309)

[87] (WO2014/172771)

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[21] **2,909,902**  
[13] A1

[51] **Int.Cl. G01M 3/24 (2006.01)**  
[25] EN  
[54] **METHOD FOR EVALUATING ACOUSTIC SENSOR DATA IN A FLUID CARRYING NETWORK AND EVALUATION UNIT**  
[54] **PROCEDE D'EVALUATION DES DONNEES DE CAPTEUR ACOUSTIQUE DANS UN RESEAU DE TRANSPORT DE FLUIDE ET UNITE D'EVALUATION**  
[72] TRAUB, ANDREAS, DE  
[71] GUTERMANN AG, CH  
[85] 2015-10-19  
[86] 2013-04-19 (PCT/EP2013/058213)  
[87] (WO2014/169965)

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[21] **2,909,903**  
[13] A1

[51] **Int.Cl. G06N 3/10 (2006.01)**  
[25] EN  
[54] **PARTIAL DISCHARGE SIGNAL PROCESSING METHOD AND APPARATUS EMPLOYING NEURAL NETWORK**  
[54] **PROCEDE DE TRAITEMENT DE SIGNAUX DE DECHARGE PARTIELLE ET APPAREIL EMPLOYANT UN RESEAU NEURONAL**  
[72] DI STEFANO, ANTONIO, IT  
[72] CANDELA, ROBERTO, IT  
[72] FISCELLI, GIUSEPPE, IT  
[72] GIACONIA, GIUSEPPE COSTANTINO, IT  
[71] PRYSMIAN S.P.A., IT  
[85] 2015-10-19  
[86] 2013-05-10 (PCT/EP2013/059715)  
[87] (WO2014/180508)

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[21] **2,909,904**  
[13] A1

[51] **Int.Cl. G06F 13/00 (2006.01) H04N 7/15 (2006.01)**  
[25] EN  
[54] **PROGRAM, INFORMATION PROCESSING SYSTEM, AND INFORMATION PROCESSING DEVICE**  
[54] **PROGRAMME, SYSTEME DE TRAITEMENT D'INFORMATIONS ET DISPOSITIF DE TRAITEMENT D'INFORMATIONS**  
[72] KATO, YOSHINAGA, JP  
[71] RICOH COMPANY, LTD., JP  
[85] 2015-10-19  
[86] 2014-05-01 (PCT/JP2014/062538)  
[87] (WO2014/185362)  
[30] JP (2013-104512) 2013-05-16

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[21] **2,909,905**  
[13] A1

[51] **Int.Cl. D03D 15/12 (2006.01) D02G 3/04 (2006.01) D04B 1/14 (2006.01)**  
[25] EN  
[54] **CLOTH AND TEXTILE PRODUCT**  
[54] **TISSU ET PRODUIT TEXTILE**  
[72] OKUYA, TOMOHIRO, JP  
[72] SHIMADA, HIROKI, JP  
[72] KURODA, SAORI, JP  
[71] TEIJIN LIMITED, JP  
[85] 2015-10-19  
[86] 2014-06-10 (PCT/JP2014/065302)  
[87] (WO2014/199969)  
[30] JP (2013-122758) 2013-06-11

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[21] **2,909,906**  
[13] A1

[51] **Int.Cl. H04N 21/236 (2011.01) H04L 29/06 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR TRANSMITTING MEDIA DATA IN MULTIMEDIA TRANSPORT SYSTEM**  
[54] **PROCEDE ET APPAREIL POUR TRANSMETTRE DES DONNEES MULTIMEDIAS DANS UN SYSTEME DE TRANSPORT MULTIMEDIA**  
[72] PARK, KYUNG-MO, KR  
[72] HWANG, SUNG-OH, KR  
[72] RHYU, SUNG-RYEUL, KR  
[72] SONG, JAE-YEON, KR  
[71] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2015-10-19  
[86] 2014-04-21 (PCT/KR2014/003470)  
[87] (WO2014/171806)  
[30] KR (10-2013-0043855) 2013-04-19

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[21] **2,909,907**  
[13] A1

[51] **Int.Cl. B01D 3/08 (2006.01) B01D 53/96 (2006.01) B01J 7/00 (2006.01) B01J 19/14 (2006.01) B04B 5/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR DESORPTION OF ACID GAS FROM AN ABSORPTION LIQUID**  
[54] **SYSTEME ET PROCEDE DE DESORPTION DE GAZ ACIDE D'UN LIQUIDE ABSORBANT**  
[72] FIVELAND, TORBJORN, NO  
[72] STRAND, ASBJORN, NO  
[71] STATOIL PETROLEUM AS, NO  
[85] 2015-10-19  
[86] 2013-05-02 (PCT/NO2013/050079)  
[87] (WO2014/178720)

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[21] **2,909,908**  
[13] A1

[51] **Int.Cl. F04D 15/00 (2006.01) F01P 5/10 (2006.01) F01P 7/16 (2006.01) F04D 29/46 (2006.01) F04D 29/56 (2006.01)**

[25] EN

[54] **COOLANT CIRCULATION PUMP, HAVING THERMAL CONTROL OF SUB-CIRCUITS**

[54] **POMPE DE CIRCULATION DE LIQUIDE DE REFROIDISSEMENT DOTEE DE COMMANDE THERMIQUE DE CIRCUITS SECONDAIRES**

[72] FULTON, JOHN ROBERT LEWIS, US

[71] ASQUITH, ANTHONY, CA

[71] FLOWORK SYSTEMS II LLC, US

[85] 2015-10-19

[86] 2014-04-22 (PCT/CA2014/000367)

[87] (WO2014/172778)

[30] GB (1307257.4) 2013-04-22

[21] **2,909,909**  
[13] A1

[51] **Int.Cl. B29C 67/00 (2006.01) B28B 1/14 (2006.01) B28B 7/00 (2006.01) E04B 1/16 (2006.01) E04G 11/00 (2006.01)**

[25] EN

[54] **METHOD FOR CASTING A CONSTRUCTION ELEMENT**

[54] **PROCEDE POUR MOULER UN ELEMENT DE CONSTRUCTION**

[72] GARDINER, JAMES BRUCE, AU

[72] JANSSEN, STEVEN ROBERT, AU

[71] LAING O'ROURKE AUSTRALIA PTY LIMITED, AU

[85] 2015-10-20

[86] 2014-02-21 (PCT/AU2014/000160)

[87] (WO2014/127426)

[30] AU (2013900587) 2013-02-21

[30] AU (2013901886) 2013-05-27

[30] AU (2014900338) 2014-02-05

[21] **2,909,910**  
[13] A1

[51] **Int.Cl. H02G 7/05 (2006.01) H01R 4/38 (2006.01) H01R 11/14 (2006.01) H02G 7/14 (2006.01)**

[25] EN

[54] **AERIAL CONDUCTOR WIRE SUSPENSION CLAMP**

[54] **PINCE DE SUSPENSION DE FIL CONDUCTEUR AERIEN**

[72] AHLISCH, WALTER, CA

[72] DANE, ALLAN (DECEASED), US

[71] AHLISCH, WALTER, CA

[85] 2015-07-17

[86] 2014-01-17 (PCT/CA2014/050027)

[87] (WO2014/110678)

[30] US (61/753,686) 2013-01-17

[21] **2,909,912**  
[13] A1

[51] **Int.Cl. A61F 5/56 (2006.01)**

[25] EN

[54] **TONGUE DEFORMATION IMPLANT**

[54] **IMPLANT DE DEFORMATION DE LANGUE**

[72] FUGLISTER, FABIAN HERMANN URBAN, CH

[71] FUGLISTER, FABIAN HERMANN URBAN, CH

[85] 2015-10-20

[86] 2013-06-07 (PCT/IB2013/001195)

[87] (WO2013/182893)

[30] US (61/656,582) 2012-06-07

[30] US (61/787,006) 2013-03-15

[21] **2,909,913**  
[13] A1

[51] **Int.Cl. G06T 7/00 (2006.01)**

[25] EN

[54] **IMAGE ADAPTIVE PHYSIOLOGICALLY PLAUSIBLE COLOR SEPARATION**

[54] **SEPARATION DE COULEURS PHYSIOLOGIQUEMENT PLAUSIBLES ADAPTATIVE D'IMAGE**

[72] BREDNO, JOERG, US

[72] DIETZ, LOU, US

[72] MARTIN, JIM F., US

[71] VENTANA MEDICAL SYSTEMS, INC., US

[85] 2015-10-20

[86] 2014-05-28 (PCT/EP2014/061012)

[87] (WO2014/195193)

[30] US (61/830,620) 2013-06-03

[21] **2,909,914**  
[13] A1

[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/026 (2006.01) A61B 5/02 (2006.01)**

[25] EN

[54] **OPTICAL COHERENT IMAGING MEDICAL DEVICE**

[54] **DISPOSITIF MEDICAL D'IMAGERIE PAR COHERENCE OPTIQUE**

[72] ANDRE, MARC, CH

[72] FRIEDRICH, MICHAEL, CH

[72] THACHER, TYLER, CH

[72] NAUMENKO, ANDREY, CH

[72] FARKAS, ROMAIN, CH

[71] AIMAGO S.A., CH

[85] 2015-10-20

[86] 2013-04-25 (PCT/IB2013/053271)

[87] (WO2013/160861)

[30] IB (PCT/IB2012/052133) 2012-04-27

[21] **2,909,915**  
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) B01J 8/04 (2006.01)**

[25] EN

[54] **METHOD FOR PREREFORMING HYDROCARBONS**

[54] **PROCEDE POUR PREREFORMER DES HYDROCARBURES**

[72] WOLF, ULRICH, DE

[72] HACKEL, PHILIPP MARIUS, DE

[72] HUBEL, MIRKO, DE

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

[85] 2015-10-20

[86] 2014-04-15 (PCT/EP2014/057626)

[87] (WO2014/173731)

[30] DE (10 2013 104 201.5) 2013-04-25

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[21] **2,909,916**  
[13] A1

[51] **Int.Cl. A24D 3/16 (2006.01) B01J 20/20 (2006.01) B01J 20/32 (2006.01) C01B 31/08 (2006.01)**

[25] EN

[54] **FUNCTIONALIZED MATERIAL FOR SELECTIVE REMOVAL OF SMOKE CONSTITUENTS**

[54] **MATIERE FONCTIONNALISEE POUR L'ELIMINATION SELECTIVE DE CONSTITUANTS DE FUMEE**

[72] COUDERC, GAETAN, CH  
[72] BAUR, GUILLAUME, CH  
[72] IOURANOV, IGOR, CH  
[72] KIWI, LIOUBOV, CH  
[71] PHILIP MORRIS PRODUCTS, S.A., CH

[85] 2015-10-20  
[86] 2014-05-28 (PCT/IB2014/061780)  
[87] (WO2014/191932)  
[30] US (61/829,451) 2013-05-31  
[30] EP (13169980.3) 2013-05-31

[21] **2,909,917**  
[13] A1

[51] **Int.Cl. H05B 3/34 (2006.01) F24D 13/02 (2006.01) H05B 3/56 (2006.01)**

[25] EN

[54] **POWER CONTROLLED HEATING SYSTEM**

[54] **SYSTEME DE CHAUFFAGE COMMANDE EN PUISSANCE**

[72] NILSSON, JAN ANDERS, SE  
[71] KIMA HEATING CABLE AB, SE

[85] 2015-10-20  
[86] 2014-04-15 (PCT/EP2014/057645)  
[87] (WO2014/173737)  
[30] SE (1350500-3) 2013-04-23

[21] **2,909,918**  
[13] A1

[51] **Int.Cl. B65B 29/02 (2006.01) B65B 1/38 (2006.01) B65B 63/02 (2006.01)**

[25] EN

[54] **UNIT AND METHOD FOR FILLING CONTAINING ELEMENTS OF SINGLE-USE CAPSULES FOR EXTRACTION OR INFUSION BEVERAGES**

[54] **UNITE ET PROCEDE POUR REMPLIR DES ELEMENTS DE CONFINEMENT DE CAPSULES A USAGE UNIQUE POUR L'EXTRACTION OU L'INFUSION DE BOISSONS**

[72] RUBBI, EMANUELE, IT  
[72] CASTELLARI, PIERLUIGI, IT  
[72] REA, DARIO, IT  
[71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT

[85] 2015-10-20  
[86] 2014-06-12 (PCT/IB2014/062177)  
[87] (WO2014/203130)  
[30] IT (BO2013A000315) 2013-06-21

[21] **2,909,919**  
[13] A1

[51] **Int.Cl. A61K 33/24 (2006.01) A61K 9/08 (2006.01) A61K 49/06 (2006.01) A61K 49/10 (2006.01) A61K 51/04 (2006.01)**

[25] FR

[54] **CONTRAST MEDIUM FORMULATION AND RELATED PREPARATION METHOD**

[54] **FORMULATION DE PRODUIT DE CONTRASTE ET SON PROCEDE DE PREPARATION ASSOCIE**

[72] MEDINA, CHRISTELLE, FR  
[72] SABATOU, MONIQUE, FR  
[72] PETIT, ANNE, FR  
[72] PORT, MARC, FR  
[71] GUERBET, FR

[85] 2015-10-20  
[86] 2014-04-28 (PCT/EP2014/058617)  
[87] (WO2014/174120)  
[30] FR (1353883) 2013-04-26

[21] **2,909,920**  
[13] A1

[51] **Int.Cl. A47J 31/52 (2006.01) A47J 31/44 (2006.01) G07F 9/02 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR DETERMINING REPLENISHMENT INFORMATION**

[54] **PROCEDE ET SYSTEME POUR DETERMINER DES INFORMATIONS DE REMPLISSAGE**

[72] EPARS, YANN, CH  
[72] SHEPHERD, MARK, CH  
[72] JACQUIER, FLORIAN, US  
[72] MANSER, DANIEL ROLAND, CH  
[71] NESTEC S.A., CH

[85] 2015-10-20  
[86] 2014-06-04 (PCT/EP2014/061566)  
[87] (WO2014/195351)  
[30] EP (13171085.7) 2013-06-07

[21] **2,909,921**  
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01)**

[25] EN

[54] **SYNTHETIC LIBRARY OF SPECIFIC BINDING MOLECULES**

[54] **BANQUE SYNTHETIQUE DE MOLECULES DE LIAISON SPECIFIQUES**

[72] BARELLE, CAROLINE JANE, GB  
[72] FINLAY, WILLIAM JAMES JONATHAN, IE  
[72] DARMANIN-SHEEHAN, ALFREDO, IE  
[72] PORTER, ANDREW JUSTIN RADCLIFFE, GB  
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN, GB

[85] 2015-10-20  
[86] 2014-04-23 (PCT/EP2014/058251)  
[87] (WO2014/173959)  
[30] US (61/815,043) 2013-04-23

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[21] **2,909,922**  
[13] A1

[51] **Int.Cl. B22D 41/50 (2006.01)**  
[25] EN  
[54] **REFRACTORY SUBMERGED ENTRY NOZZLE**  
[54] **BUSE D'ENTREE IMMERGEE REFRACTAIRE**  
[72] TANG, YONG, AT  
[72] NITZL, GERALD, AT  
[71] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT  
[85] 2015-10-20  
[86] 2014-04-15 (PCT/EP2014/057666)  
[87] (WO2014/202257)  
[30] EP (13173091.3) 2013-06-20

[21] **2,909,923**  
[13] A1

[51] **Int.Cl. C12N 15/13 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01)**  
[25] EN  
[54] **ISOLATION OF THERAPEUTIC TARGET SPECIFIC VNAR DOMAINS TO ICOSL**  
[54] **ISOLEMENT DE DOMAINES VNAR SPECIFIQUES D'UNE CIBLE THERAPEUTIQUE SUR ICOSL**  
[72] BARELLE, CAROLINE JANE, GB  
[72] FINLAY, WILLIAM JAMES JONATHAN, IE  
[72] DARMANIN-SHEEHAN, ALFREDO, IE  
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF ABERDEEN, GB  
[85] 2015-10-20  
[86] 2014-04-23 (PCT/EP2014/058276)  
[87] (WO2014/173975)  
[30] US (61/815,043) 2013-04-23

[21] **2,909,927**  
[13] A1

[51] **Int.Cl. C07F 17/00 (2006.01) C08F 4/00 (2006.01)**  
[25] EN  
[54] **METAL COMPLEX WITH A LEWIS BASE LIGAND**  
[54] **COMPLEXE METALLIQUE AVEC UN LIGAND BASE DE LEWIS**  
[72] SCOTT, RICHARD THOMAS WILLIAM, NL  
[72] ZUIDEVELD, MARTIN ALEXANDER, BE  
[72] MOUNTFORD, PHILIP, GB  
[71] LANXESS ELASTOMERS B.V., NL  
[85] 2015-10-20  
[86] 2014-05-07 (PCT/EP2014/059354)  
[87] (WO2014/180913)  
[30] EP (13167138.0) 2013-05-08

[21] **2,909,929**  
[13] A1

[51] **Int.Cl. C07F 7/00 (2006.01) C07C 251/86 (2006.01)**  
[25] EN  
[54] **METAL COMPLEX WITH A BRIDGED CYCLOPENTADIENYL AMIDINE LIGAND**  
[54] **COMPLEXE METALLIQUE AVEC LIGAND CYCLOPENTADIENYLE AMIDINE PONTE**  
[72] BERTHOUD, ALEXANDRA, BE  
[72] QUIROGA NORAMBUENA, VICTOR, BE  
[72] VAN DOREMAELE, GERHARD, NL  
[72] ZUIDEVELD, MARTIN ALEXANDER, BE  
[72] MOUNTFORD, PHILIP, GB  
[72] SCOTT, RICHARD THOMAS WILLIAM, NL  
[71] LANXESS ELASTOMERS B.V., NL  
[85] 2015-10-20  
[86] 2014-05-07 (PCT/EP2014/059377)  
[87] (WO2014/180922)  
[30] EP (13167137.2) 2013-05-08

[21] **2,909,933**  
[13] A1

[51] **Int.Cl. B01J 13/04 (2006.01) B01J 13/22 (2006.01)**  
[25] EN  
[54] **COATED MICROBUBBLES**  
[54] **MICROBULLES REVETUES**  
[72] EVANS, STEPHEN, GB  
[72] PEYMAN, SALLY, GB  
[72] BLOCKLEY, JONATHAN, GB  
[71] UNIVERSITY OF LEEDS, GB  
[85] 2015-10-20  
[86] 2013-07-03 (PCT/GB2013/051764)  
[87] (WO2014/006404)  
[30] GB (1211783.4) 2012-07-03

[21] **2,909,934**  
[13] A1

[51] **Int.Cl. G02B 6/38 (2006.01)**  
[25] EN  
[54] **CONNECTING FIBER OPTIC CABLES**  
[54] **CONNEXION DE CABLES DE FIBRE OPTIQUE**  
[72] BARFOOT, DAVID ANDREW, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-20  
[86] 2014-04-21 (PCT/US2014/034832)  
[87] (WO2014/189639)  
[30] US (13/898,832) 2013-05-21

[21] **2,909,935**  
[13] A1

[51] **Int.Cl. C08F 210/16 (2006.01)**  
[25] EN  
[54] **A POLYETHYLENE COMPOSITION AND ARTICLES MADE THEREFROM**  
[54] **COMPOSITION DE POLYETHYLENE ET ARTICLES FABRIQUES A PARTIR DE CELLE-CI**  
[72] KAPUR, MRIDULA, US  
[72] DAVIS, MARK, US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2015-10-20  
[86] 2014-04-22 (PCT/US2014/034881)  
[87] (WO2014/179103)  
[30] US (61/818,540) 2013-05-02



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[21] **2,909,936**  
[13] A1

[51] **Int.Cl. A47C 3/029 (2006.01) A47C 9/00 (2006.01) A47C 9/02 (2006.01)**  
[25] FR  
[54] **DYNAMIC PENDULA STOOL**  
[54] **TABOURET PENDULAIRE DYNAMIQUE**  
[72] HUGOU, OLIVIER, FR  
[72] COLAS, GUILBAULT, FR  
[71] HUGOU, OLIVIER, FR  
[71] COLAS, GUILBAULT, FR  
[85] 2015-10-20  
[86] 2014-04-25 (PCT/FR2014/051009)  
[87] (WO2014/174227)  
[30] FR (1300965) 2013-04-25  
[30] FR (1360472) 2013-10-25

[21] **2,909,937**  
[13] A1

[51] **Int.Cl. F16B 33/00 (2006.01) F16B 37/14 (2006.01)**  
[25] EN  
[54] **SEALANT CAPS INCLUDING INTERNAL BARRIER RINGS**  
[54] **BOUCHONS D'AGENT D'ETANCHEITE COMPRENANT DES BAGUES-BARRIERES INTERNES**  
[72] RIZZELLO, SOCCORSO, CA  
[72] LAMBOURNE, SEAN, GB  
[71] PRC-DESOTO INTERNATIONAL, INC., US  
[85] 2015-10-20  
[86] 2014-04-22 (PCT/US2014/034906)  
[87] (WO2014/176208)  
[30] US (61/814,634) 2013-04-22

[21] **2,909,938**  
[13] A1

[51] **Int.Cl. A61K 31/417 (2006.01) A61K 31/395 (2006.01) A61K 31/427 (2006.01) A61K 31/433 (2006.01) A61K 31/4439 (2006.01) A61K 31/501 (2006.01) A61P 31/14 (2006.01) C07D 401/12 (2006.01)**  
[25] EN  
[54] **THIAZOLES AND USES THEREOF**  
[54] **THIAZOLES ET UTILISATIONS DE CEUX-CI**  
[72] NG, TERESA (LOK-CHAN), US  
[72] MOLLA, M-AKHTERUZZAMAN, US  
[72] PILOT-MATIAS, TAMI J., US  
[72] VASUDEVAN, ANIL, US  
[72] DEKHTYAR, TATYANA, US  
[72] GOMTSIAN, ARTOUR, US  
[72] SARRIS, KATERINA, US  
[72] AGUIRRE, ANA, US  
[72] CHAFEEV, MIKHAIL, RU  
[71] ABBVIE INC., US  
[85] 2015-10-20  
[86] 2014-04-22 (PCT/US2014/035014)  
[87] (WO2014/176268)  
[30] US (61/814,523) 2013-04-22

[21] **2,909,939**  
[13] A1

[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/04 (2006.01) E21B 43/08 (2006.01) E21B 43/16 (2006.01) E21B 43/267 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR USE OF PROPPANT SURFACE CHEMISTRY TO IMPROVE PROPPANT CONSOLIDATION AND FLOWBACK CONTROL**  
[54] **COMPOSITIONS ET PROCESSES PERMETTANT D'UTILISER LA CHIMIE DE SURFACE CHEZ UN AGENT DE SOUTÈNEMENT AFIN D'AMÉLIORER LA CONSOLIDATION DE CELUI-CI ET LA RÉGULATION DU REFLUX**  
[72] CANNAN, CHAD, US  
[72] LIENG, THU, US  
[72] JOHNSON, DARYL ERWIN, US  
[72] CONNER, MARK, US  
[71] CARBO CERAMICS INC., US  
[85] 2015-10-20  
[86] 2014-04-23 (PCT/US2014/035149)  
[87] (WO2014/176338)  
[30] US (61/816,348) 2013-04-26

[21] **2,909,940**  
[13] A1

[51] **Int.Cl. F24C 3/14 (2006.01) F24C 15/00 (2006.01)**  
[25] EN  
[54] **HIGH PERFORMANCE OUTDOOR PORTABLE COOKING SYSTEM**  
[54] **SYSTEME DE CUISSON EN PLEIN AIR PORTABLE A HAUTE PERFORMANCE**  
[72] DOWST, W. PERRY, US  
[72] WILCOX, ADAM E., US  
[72] HARTFELD, SPENCER O., US  
[72] HEBERT, MICHAEL E., US  
[71] JOHNSON OUTDOORS INC., US  
[85] 2015-10-20  
[86] 2014-04-23 (PCT/US2014/035168)  
[87] (WO2014/176350)  
[30] US (61/815,165) 2013-04-23  
[30] US (14/259,618) 2014-04-23

[21] **2,909,941**  
[13] A1

[51] **Int.Cl. A61K 31/59 (2006.01) A61K 9/00 (2006.01) A61K 31/592 (2006.01) A61K 31/593 (2006.01) A61K 47/42 (2006.01) A61K 47/44 (2006.01) A61K 47/48 (2006.01) A61P 1/16 (2006.01) A61P 1/18 (2006.01) A61P 13/12 (2006.01) A61P 31/12 (2006.01)**  
[25] EN  
[54] **VITAMIN D RECEPTOR/SMAD GENOMIC CIRCUIT GATES FIBROTIC RESPONSE**  
[54] **CIRCUIT GENOMIQUE VDR/SMAD DECLANCHANT UNE REACTION FIBREUSE**  
[72] DING, NING, US  
[72] DOWNES, MICHAEL, US  
[72] LIDDLE, CHRISTOPHER, AU  
[72] EVANS, RONALD M., US  
[71] SALK INSTITUTE FOR BIOLOGICAL STUDIES, US  
[71] THE UNIVERSITY OF SYDNEY, AU  
[85] 2015-10-20  
[86] 2014-04-24 (PCT/US2014/035235)  
[87] (WO2014/176394)  
[30] US (61/815,575) 2013-04-24

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[21] **2,909,943**  
[13] A1

[51] **Int.Cl. F23G 7/06 (2006.01)**  
[25] EN  
[54] **SOLID FUEL HEATING DEVICE**  
[54] **DISPOSITIF DE CHAUFFAGE A**  
**COMBUSTIBLE SOLIDE**  
[72] FERGUSON, ROBERT W., US  
[72] ANDORS, DERIK K., US  
[72] RICHARDSON, STEPHEN F., US  
[71] FERGUSON, ROBERT W., US  
[71] ANDORS, DERIK K., US  
[71] RICHARDSON, STEPHEN F., US  
[85] 2015-10-20  
[86] 2014-04-25 (PCT/US2014/035410)  
[87] (WO2014/176481)  
[30] US (61/816,003) 2013-04-25

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[21] **2,909,947**  
[13] A1

[51] **Int.Cl. G01D 21/00 (2006.01) G01D**  
**21/02 (2006.01) G01K 11/32 (2006.01)**  
**G01L 11/02 (2006.01)**  
[25] EN  
[54] **SAPPHIRE SENSOR FOR**  
**MEASURING PRESSURE AND**  
**TEMPERATURE**  
[54] **CAPTEUR A SAPHIR POUR**  
**MESURER UNE PRESSION ET**  
**UNE TEMPERATURE**  
[72] DONG, BO, US  
[72] WANG, ANBO, US  
[71] SENTEK INSTRUMENT LLC, US  
[85] 2015-10-20  
[86] 2014-04-25 (PCT/US2014/035451)  
[87] (WO2014/176500)  
[30] US (61/816,146) 2013-04-25  
[30] US (14/261,883) 2014-04-25

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[21] **2,909,950**  
[13] A1

[51] **Int.Cl. B01D 11/00 (2006.01) B01D**  
**21/28 (2006.01)**  
[25] EN  
[54] **EXCIPIENT REMOVAL FROM**  
**PHARMACOLOGICAL SAMPLES**  
[54] **ELIMINATION D'UN EXCIPIENT**  
**PRESENT DANS DES**  
**ECHANTILLONS**  
**PHARMACOLOGIQUES**  
[72] LIPKENS, BART, US  
[72] MERCADO, ARI, US  
[72] MARTIN, ARTHUR, US  
[72] MASI, LOUIS, US  
[72] DIONNE, JASON, US  
[71] FLODESIGN SONICS, INC., US  
[85] 2015-10-20  
[86] 2014-04-25 (PCT/US2014/035557)  
[87] (WO2014/176559)  
[30] US (61/815,818) 2013-04-25

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[21] **2,909,954**  
[13] A1

[51] **Int.Cl. A61M 11/02 (2006.01) A61M**  
**11/06 (2006.01) A61M 15/00 (2006.01)**  
**A61M 15/08 (2006.01)**  
[25] EN  
[54] **MEDICAL UNIT DOSE**  
**CONTAINER**  
[54] **FLACON A DOSE UNITAIRE**  
**MEDICAL**  
[72] HOEKMAN, JOHN D., US  
[72] FULLER, CHRISTOPHER, US  
[72] KOHRING, CRAIG, US  
[72] BRUNELLE, ALAN, US  
[71] IMPEL NEUROPHARMA INC., US  
[85] 2015-10-20  
[86] 2014-04-28 (PCT/US2014/035711)  
[87] (WO2014/179228)  
[30] US (61/816,799) 2013-04-28

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[21] **2,909,956**  
[13] A1

[51] **Int.Cl. A61K 38/08 (2006.01) A61P**  
**27/02 (2006.01)**  
[25] EN  
[54] **ACCELERATED HEALING OF**  
**EYE INJURIES BY ANGIOTENSIN**  
**PEPTIDES**  
[54] **CICATRISATION ACCELEREE**  
**DES LESIONS OCULAIRES PAR**  
**DES PEPTIDES DE TYPE**  
**ANGIOTENSINE**  
[72] RODGERS, KATHLEEN E., US  
[72] DIZEREGA, GERE S., US  
[72] HUMAYUN, MARK, US  
[72] LOUIE, STAN, US  
[72] ABDALLAH, WALID FOUAD  
AHMED, US  
[71] UNIVERSITY OF SOUTHERN  
CALIFORNIA, US  
[85] 2015-10-20  
[86] 2014-04-30 (PCT/US2014/036128)  
[87] (WO2014/179440)  
[30] US (61/817,596) 2013-04-30  
[30] US (61/938,851) 2014-02-12

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[21] **2,909,962**  
[13] A1

[51] **Int.Cl. H02B 1/056 (2006.01) H02B**  
**1/06 (2006.01) H02B 1/21 (2006.01)**  
**H02G 5/06 (2006.01) H02G 5/10**  
**(2006.01)**  
[25] EN  
[54] **BUS BAR ARRANGEMENT AND A**  
**SHROUD FOR THE SAME**  
[54] **AGENCEMENT DE BARRE**  
**OMNIBUS ET CARENAGE POUR**  
**CELUI-CI**  
[72] BLASBALG, PAUL, US  
[72] YAMAGUCHI, LYOJI JESUS, MX  
[71] ABB TECHNOLOGY AG, CH  
[85] 2015-10-20  
[86] 2014-04-17 (PCT/US2014/034511)  
[87] (WO2014/176114)  
[30] US (61/815,078) 2013-04-23

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<p style="text-align: right;">[21] <b>2,909,964</b> [13] A1</p> <p>[51] <b>Int.Cl. C12Q 1/25 (2006.01) G01N 33/58 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>METHOD FOR IDENTIFYING MODULATORS OF UBIQUITIN LIGASES</b></p> <p>[54] <b>PROCEDE D'IDENTIFICATION DE MODULATEURS D'UBIQUITINE LIGASES</b></p> <p>[72] RILEY, BRIGIT, US [72] JOHNSTON, JENNIFER, US [72] MORGANS, DAVID, US [71] E3X BIO, US [85] 2015-10-19 [86] 2014-05-02 (PCT/US2014/036678) [87] (WO2014/179755) [30] US (61/818,796) 2013-05-02 [30] US (61/932,139) 2014-01-27</p>	<p style="text-align: right;">[21] <b>2,909,966</b> [13] A1</p> <p>[51] <b>Int.Cl. G10L 15/22 (2006.01) G06Q 30/02 (2012.01) G10L 15/26 (2006.01) H04L 12/16 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>DEVICE, SYSTEM, AND METHOD, AND COMPUTER-READABLE MEDIUM FOR PROVIDING INTERACTIVE ADVERTISING</b></p> <p>[54] <b>DISPOSITIF, SYSTEME ET PROCEDE, ET SUPPORT LISIBLE PAR ORDINATEUR POUR PRODUIRE UNE PUBLICITE INTERACTIVE</b></p> <p>[72] HIGBIE, PATRICK B., US [72] KELVIE, JOHN P., US [72] MYERS, MICHAEL M., US [72] RAINES, FRANKLIN D., US [71] XAPPMEDIA, INC., US [85] 2015-10-20 [86] 2014-05-01 (PCT/US2014/036449) [87] (WO2014/179617) [30] US (13/875,887) 2013-05-02</p>	<p style="text-align: right;">[21] <b>2,909,968</b> [13] A1</p> <p>[51] <b>Int.Cl. B65D 5/50 (2006.01) B65D 5/46 (2006.01) B65D 5/70 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>CARTON WITH INSERT</b></p> <p>[54] <b>BOITE EN CARTON MUNIE D'UN INSERT</b></p> <p>[72] HOLLEY, JOHN MURDICK, JR., US [71] GRAPHIC PACKAGING INTERNATIONAL, INC., US [85] 2015-10-20 [86] 2014-05-12 (PCT/US2014/037640) [87] (WO2014/186257) [30] US (61/855,323) 2013-05-13 [30] US (61/959,162) 2013-08-16 [30] US (61/963,653) 2013-12-10 [30] US (61/966,736) 2014-02-28</p>
<p style="text-align: right;">[21] <b>2,909,965</b> [13] A1</p> <p>[51] <b>Int.Cl. G06Q 50/22 (2012.01) H04B 5/00 (2006.01) H04L 9/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>A METHOD AND SYSTEM FOR HEALTHCARE PROVIDER TRACKING</b></p> <p>[54] <b>PROCEDE ET SYSTEME DE SUIVI DE PRESTATAIRE DE SOINS DE SANTE</b></p> <p>[72] TRAUGHBER, BRYAN JAMES, US [72] PATAK, LANCE S., US [72] DUGAN, BRENDON, US [72] TEEGARDEN, VAUGHN, US [71] ELOQUENCE COMMUNICATIONS, INC, US [85] 2015-10-20 [86] 2014-05-01 (PCT/US2014/036343) [87] (WO2014/179553) [30] US (61/818,850) 2013-05-02</p>	<p style="text-align: right;">[21] <b>2,909,967</b> [13] A1</p> <p>[51] <b>Int.Cl. A24F 47/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>NICOTINE SALT FORMULATIONS FOR AEROSOL DEVICES AND METHODS THEREOF</b></p> <p>[54] <b>FORMULATIONS DE SEL DE NICOTINE POUR PULVERISATEURS ET PROCEDES CORRESPONDANTS</b></p> <p>[72] BOWEN, ADAM, US [72] XING, CHENYUE, US [71] PAX LABS, INC., US [85] 2015-10-20 [86] 2014-05-06 (PCT/US2014/037019) [87] (WO2014/182736) [30] US (61/820,128) 2013-05-06 [30] US (61/912,507) 2013-12-05</p>	<p style="text-align: right;">[21] <b>2,909,969</b> [13] A1</p> <p>[51] <b>Int.Cl. C07K 16/00 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SEPARATION OF RECOMBINANT POLYCLONAL ANTIBODY MULTIMERS WITH MINIMAL SEPARATION OF MONOMERS</b></p> <p>[54] <b>SEPARATION DE MULTIMERES D'ANTICORPS POLYCLONAUX DE RECOMBINAISON AVEC UNE SEPARATION MINIMALE DES MONOMERES</b></p> <p>[72] HUNTER, ALAN, US [72] PABST, TIMOTHY, US [72] WANG, JIHONG, US [72] WANG, XIANGYANG, US [72] LIU, HONGJI, US [71] MEDIMMUNE, LLC, US [85] 2015-10-20 [86] 2014-05-12 (PCT/US2014/037684) [87] (WO2014/209508) [30] US (61/822,887) 2013-05-13</p>

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[21] **2,909,970**  
[13] A1

[51] **Int.Cl. E21B 33/068 (2006.01) C09K 8/516 (2006.01) E21B 33/138 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **SYNTACTIC FOAM FRAC BALL AND METHODS OF USING SAME**

[54] **BILLE DE FRACTURATION EN MOUSSE SYNTACTIQUE ET SES PROCEDES D'UTILISATION**

[72] MURPHREE, ZACHARY R., US

[72] FRIPP, MICHAEL L., US

[72] WALTON, ZACHARY W., US

[71] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2015-10-20

[86] 2014-05-15 (PCT/US2014/038228)

[87] (WO2014/189766)

[30] US (61/825,977) 2013-05-21

[30] US (14/272,240) 2014-05-07

[30] US (14/272,209) 2014-05-07

[21] **2,909,973**  
[13] A1

[51] **Int.Cl. G01V 1/28 (2006.01) G01H 17/00 (2006.01) G01V 1/30 (2006.01) G01V 1/38 (2006.01)**

[25] EN

[54] **SEISMIC DATA PROCESSING**

[54] **TRAITEMENT DE DONNEES SISMIQUES**

[72] JIAO, KUN, US

[72] COATES, RICHARD TIMOTHY, US

[72] HUANG, WEI, US

[72] SCHIEMENZ, ALAN, US

[72] VIGH, DENES, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2015-10-20

[86] 2014-06-16 (PCT/US2014/042447)

[87] (WO2014/204820)

[30] US (61/836,025) 2013-06-17

[30] US (14/292,487) 2014-05-30

[21] **2,909,974**  
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PRODUCING A SYNTHESIS GAS IN AN OXYGEN TRANSPORT MEMBRANE BASED REFORMING SYSTEM**

[54] **PROCEDE ET SYSTEME POUR PRODUIRE UN GAZ DE SYNTHESE AU MOYEN D'UN SYSTEME DE REFORMAGE A BASE DE MEMBRANE DE TRANSPORT D'OXYGENE**

[72] CHAKRAVARTI, SHRIKAR, US

[72] DRNEVICH, RAYMOND F., US

[72] BURGERS, KENNETH L., US

[72] SHAH, MINISH M., US

[72] KROMER, BRIAN R., US

[72] CRAIGIE, KEITH A., US

[72] KELLY, SEAN M., US

[72] LI, JUAN, US

[71] PRAXAIR TECHNOLOGY, INC., US

[85] 2015-10-20

[86] 2014-04-07 (PCT/US2014/033160)

[87] (WO2014/176020)

[30] US (61/816310) 2013-04-26

[30] US (61/816293) 2013-04-26

[30] US (61/816297) 2013-04-26

[30] US (14/090194) 2013-11-26

[30] US (14/090289) 2013-11-26

[30] US (14/098731) 2013-12-06

[21] **2,909,977**  
[13] A1

[51] **Int.Cl. C01B 3/38 (2006.01) B01J 19/24 (2006.01) C01B 13/02 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR PRODUCING A SYNTHESIS GAS USING AN OXYGEN TRANSPORT MEMBRANE BASED REFORMING SYSTEM WITH SECONDARY REFORMING**

[54] **PROCEDE ET SYSTEME POUR PRODUIRE UN GAZ DE SYNTHESE AU MOYEN D'UN SYSTEME DE REFORMAGE A BASE DE MEMBRANE DE TRANSPORT D'OXYGENE, A REFORMAGE SECONDAIRE**

[72] CHAKRAVARTI, SHRIKAR, US

[72] DRNEVICH, RAYMOND FRANCIS, US

[72] SHAH, MINISH M., US

[72] STUCKERT, INES C., US

[71] PRAXAIR TECHNOLOGY, INC., US

[85] 2015-10-20

[86] 2014-04-07 (PCT/US2014/033162)

[87] (WO2014/176021)

[30] US (61/816,326) 2013-04-26

[30] US (14/078,897) 2013-11-13

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[51] **Int.Cl. E21B 43/22 (2006.01) C09K 8/60 (2006.01) E21B 43/247 (2006.01) E21B 43/26 (2006.01)**

[25] EN

[54] **IN SITU CHANNELIZATION METHOD AND SYSTEM FOR INCREASING FRACTURE CONDUCTIVITY**

[54] **PROCEDE ET SYSTEME DE CANALISATION IN SITU POUR AUGMENTER LA CONDUCTIVITE DE FRACTURE**

[72] POTAPENKO, DMITRIY IVANOVICH, US

[72] BROWN, J. ERNEST, US

[72] GANGULY, PARTHA, US

[72] BOGDAN, ANDREY VLADIMIROVICH, US

[72] RAMSEY, LELAND, US

[71] SCHLUMBERGER CANADA LIMITED, CA

[85] 2015-10-20

[86] 2014-08-11 (PCT/US2014/050468)

[87] (WO2015/026545)

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[51] <b>Int.Cl. C07C 29/151 (2006.01) C01B 3/38 (2006.01) C01B 13/02 (2006.01) C07C 31/04 (2006.01)</b>	[51] <b>Int.Cl. C08L 53/00 (2006.01) C08K 3/00 (2006.01) C08K 5/00 (2006.01) C08L 33/06 (2006.01) C09B 67/20 (2006.01) C09B 67/46 (2006.01) C09D 11/00 (2014.01) C09D 17/00 (2006.01)</b>	[51] <b>Int.Cl. C04B 14/10 (2006.01) C04B 14/16 (2006.01) C04B 14/18 (2006.01) C04B 14/22 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>METHOD AND SYSTEM FOR PRODUCING METHANOL USING AN OXYGEN TRANSPORT MEMBRANE BASED REFORMING SYSTEM</b>	[54] <b>AQUEOUS EMULSION SOLUTION, COLORING AGENT COMPOSITION CONTAINING SAID AQUEOUS SOLUTION, AQUEOUS INKJET INK, AND METHOD FOR PRODUCING AQUEOUS EMULSION SOLUTION</b>	[54] <b>EXTRUDED LIGHTWEIGHT THERMAL INSULATING CEMENT-BASED MATERIALS</b>
[54] <b>PROCEDE ET SYSTEME DE PRODUCTION DE METHANOL FAISANT APPEL A UN SYSTEME DE REFORMAGE BASE SUR UNE MEMBRANE DE TRANSPORT D'OXYGENE</b>	[54] <b>SOLUTION AQUEUSE EN EMULSION, COMPOSITION D'AGENT COLORANT CONTENANT LADITE SOLUTION AQUEUSE, ENCRE AQUEUSE POUR JET D'ENCRE, ET PROCEDE DE PRODUCTION D'UNE SOLUTION AQUEUSE EN EMULSION</b>	[54] <b>MATIERES A BASE DE CIMENT D'ISOLATION THERMIQUE DE POIDS LEGER EXTRUDEE</b>
[72] CHAKRAVARTI, SHRIKAR, US	[72] SHIMANAKA, HIROYUKI, JP	[72] DANIELS, EVAN R., US
[72] SHAH, MINISH M., US	[72] MURAKAMI, YOSHIKAZU, JP	[72] ANDERSEN, PER JUST, DE
[72] DRNEVICH, RAYMOND FRANCIS, US	[72] AOYAGI, SHINICHIRO, JP	[71] THE INTELLECTUAL GORILLA GMBH, CH
[72] SARMIENTO-DARKIN, WLADIMIR Y., US	[72] YOSHIKAWA, SACHIO, JP	[85] 2015-10-21
[72] KROMER, BRIAN, US	[72] YAMAZAKI, MITSUO, JP	[86] 2014-04-24 (PCT/US2014/035277)
[72] KELLY, SEAN M., US	[71] DAINICHISEIKA COLOR & CHEMICALS MFG. CO., LTD., JP	[87] (WO2014/176414)
[71] PRAXAIR TECHNOLOGY, INC., US	[85] 2015-10-20	[30] US (61/815,308) 2013-04-24
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[86] 2014-04-07 (PCT/US2014/033164)	[87] (WO2014/175162)	[30] US (61/815,332) 2013-04-24
[87] (WO2014/176022)	[30] JP (2013-089311) 2013-04-22	[30] US (61/820,850) 2013-05-08
[30] US (61/816,330) 2013-04-26		
[30] US (14/081,403) 2013-11-15		
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	[51] <b>Int.Cl. A61K 35/74 (2015.01) A01N 63/02 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01)</b>	[51] <b>Int.Cl. C22C 38/00 (2006.01) C22C 38/14 (2006.01) C22C 38/54 (2006.01) C21C 7/04 (2006.01) C21D 9/46 (2006.01)</b>
	[25] EN	[25] EN
	[54] <b>BACTERIAL STRAINS HAVING ANTIMICROBIAL ACTIVITY AND BIOCONTROL COMPOSITIONS COMPRISING THE SAME</b>	[54] <b>TOLE D'ACIER</b>
	[54] <b>SOUCHES BACTERIENNES POSSEDANT UNE ACTIVITE ANTIMICROBIENNE ET COMPOSITIONS DE LUTTE BIOLOGIQUE LES COMPRENANT</b>	[72] MOROHOSHI, TAKASHI, JP
	[72] FINLAYSON, WAYNE, AU	[72] ARAMAKI, TAKASHI, JP
	[72] JURY, KAREN, AU	[72] ZEZE, MASAFUMI, JP
	[71] TERRAGEN HOLDINGS LIMITED, AU	[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
	[85] 2015-10-21	[85] 2015-10-20
	[86] 2014-04-22 (PCT/AU2014/050019)	[86] 2014-04-24 (PCT/JP2014/061573)
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	[30] US (61/815,038) 2013-04-23	[30] JP (2013-092408) 2013-04-25

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[25] EN

[54] **FIN SUPPORT STRUCTURES FOR CHARGE AIR COOLERS**

[54] **STRUCTURES DE SUPPORT D'AILETTES POUR REFROIDISSEURS D'AIR DE SURALIMENTATION**

[72] KINDER, LEE M., CA

[72] LOWE, DAVID, CA

[72] WU, ALAN K., CA

[72] BARDELEBEN, MICHAEL, CA

[71] DANA CANADA CORPORATION, CA

[85] 2015-10-21

[86] 2014-04-11 (PCT/CA2014/050370)

[87] (WO2014/172788)

[30] US (61/815,621) 2013-04-24

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[51] **Int.Cl. B41M 3/14 (2006.01) B42D 25/00 (2014.01) B42D 15/00 (2006.01) B44F 1/02 (2006.01) G07D 7/12 (2006.01) G07D 7/20 (2006.01)**

[25] EN

[54] **SECURITY ELEMENTS EXHIBITING A DYNAMIC VISUAL MOTION**

[54] **ELEMENTS DE SECURITE PRESENTANT UN MOUVEMENT VISUEL DYNAMIQUE**

[72] LEFEBVRE, OLIVIER, CH

[72] FANKHAUSER, CATHERINE, CH

[71] SICPA HOLDING SA, CH

[85] 2015-10-21

[86] 2014-04-15 (PCT/EP2014/057569)

[87] (WO2014/177375)

[30] EP (13166117.5) 2013-05-01

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[13] A1

[51] **Int.Cl. C12Q 1/68 (2006.01) C12N 15/09 (2006.01)**

[25] EN

[54] **METHOD AND KIT FOR MULTIPLEX DNA TYPING OF HLA GENE**

[54] **METHODE ET KIT DE TYPAGE MULTIPLEX DE L'ADN DU GENE HLA**

[72] SHIINA, TAKASHI, JP

[72] SUZUKI, SHINGO, JP

[72] WADA, YUKI, JP

[72] MITSUNAGA, SHIGEKI, JP

[72] INOKO, HIDETOSHI, JP

[71] GENODIVE PHARMA INC., JP

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[86] 2014-05-09 (PCT/JP2014/062433)

[87] (WO2014/181854)

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[13] A1

[51] **Int.Cl. H01B 9/00 (2006.01) H01B 7/18 (2006.01) H01B 11/02 (2006.01) H01B 11/22 (2006.01)**

[25] EN

[54] **HIGH-POWER LOW-RESISTANCE ELECTROMECHANICAL CABLE**

[54] **CABLE ELECTROMECHANIQUE HAUTE PUISSANCE A FAIBLE RESISTANCE**

[72] POURLADIAN, BAMDAD, US

[72] ESPINOSA MAGANA, LAZARO, MX

[71] WIRECO WORLDGROUP INC., US

[85] 2015-10-21

[86] 2014-04-24 (PCT/US2014/035337)

[87] (WO2014/176447)

[30] US (61/815,596) 2013-04-24

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[13] A1

[51] **Int.Cl. G06F 11/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR INCREASING RESTORE SPEEDS OF BACKUPS STORED IN DEDUPLICATED STORAGE SYSTEMS**

[54] **SYSTEMES ET PROCEDES PERMETTANT D'ACCROITRE LA VITESSE DE RESTAURATION DE SAUVEGARDES MEMORISEES DANS DES SYSTEMES D'INFORMATIONS ELIMINANT LA DUPLICATION**

[72] GUO, FANGLU, US

[72] WU, WEIBAO, US

[72] PARLIKAR, SATYAJIT G., US

[72] YANG, YUN, CN

[71] SYMANTEC CORPORATION, US

[85] 2015-10-21

[86] 2014-05-02 (PCT/US2014/036532)

[87] (WO2014/182558)

[30] US (13/889,191) 2013-05-07

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[13] A1

[51] **Int.Cl. A61M 16/06 (2006.01)**

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[54] **HEADGEAR FOR BREATHING MASK**

[54] **HARNAIS POUR MASQUE RESPIRATOIRE**

[72] BEARNE, PETER DAVID ALEXANDER, NZ

[72] PATEL, ROHEET, NZ

[72] MIDDELKOOP, KIRSTIN ELIZABETH, NZ

[72] MASHAL, FADI KARIM MOH'D, NZ

[72] COX, MICHAEL JOHN HENRI, NZ

[72] MURPHY, BLAIR RAYMUND DADSON, NZ

[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ

[85] 2015-10-20

[86] 2014-04-28 (PCT/NZ2014/000075)

[87] (WO2014/175753)

[30] US (61/816,602) 2013-04-26

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[25] EN

[54] **REACTIVE CHROMATOGRAPHY PROCESS FOR EQUILIBRIUM-LIMITED REACTIONS**

[54] **PROCEDE DE CHROMATOGRAPHIE REACTIVE POUR DES REACTIONS LIMITEES PAR EQUILIBRE**

[72] FRANK, TIMOTHY C., US  
[72] DONALDSON, MEGAN E., US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2015-10-21  
[86] 2014-05-02 (PCT/US2014/036602)  
[87] (WO2014/179706)  
[30] US (61/819,245) 2013-05-03

[21] **2,910,007**  
[13] A1

[51] **Int.Cl. A61K 31/436 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 21/00 (2006.01)**

[25] EN

[54] **TACROLIMUS AND ANALOGUES THEREOF FOR MEDICAL USE**

[54] **TACROLIMUS ET SES ANALOGUES POUR USAGE MEDICAL**

[72] AKOULITCHEV, ALEXANDRE, GB  
[72] MILWAY, ELIZABETH, GB  
[72] MELLOR, ELIZABETH JANE, GB  
[72] YOUDELL, MICHAEL, GB  
[71] CHRONOS THERAPEUTICS LIMITED, GB

[85] 2015-10-21  
[86] 2014-05-22 (PCT/GB2014/051571)  
[87] (WO2014/188198)  
[30] GB (1309376.0) 2013-05-24

[21] **2,910,010**  
[13] A1

[51] **Int.Cl. B29C 45/14 (2006.01) B29C 35/02 (2006.01) B29C 45/34 (2006.01) H01B 3/30 (2006.01) H02G 1/14 (2006.01) H02G 15/103 (2006.01) H02G 15/184 (2006.01)**

[25] EN

[54] **METHOD TO MANUFACTURE MULTI-LAYER ELECTRICAL ARTICLE**

[54] **PROCEDE DE FABRICATION D'ARTICLE ELECTRIQUE MULTICOUCHE**

[72] ESSEGHIR, MOHAMED, US  
[72] SILER, CHRISTOPHER, US  
[72] BURR, SCOTT, US  
[72] FLAVIN, FRANK, US  
[71] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2015-10-21  
[86] 2014-03-18 (PCT/US2014/030954)  
[87] (WO2014/182373)  
[30] US (61/820,227) 2013-05-07

[21] **2,910,006**  
[13] A1

[51] **Int.Cl. A61K 31/436 (2006.01) A61P 25/28 (2006.01)**

[25] EN

[54] **TACROLIMUS FOR USE IN TREATING DISEASES CHARACTERISED BY PROTEIN AGGREGATE DEPOSITION IN NEURONAL CELLS**

[54] **TACROLIMUS POUR EMPLOI DANS LE TRAITEMENT DE MALADIES CARACTERISEES PAR LE DEPOT D'AGREGATS DE PROTEINES DANS LES CELLULES NEURONALES**

[72] AKOULITCHEV, ALEXANDRE, GB  
[72] MILWAY, ELIZABETH, GB  
[72] MELLOR, ELIZABETH JANE, GB  
[72] YOUDELL, MICHAEL, GB  
[71] CHRONOS THERAPEUTICS LIMITED, GB

[85] 2015-10-21  
[86] 2014-05-22 (PCT/GB2014/051570)  
[87] (WO2014/188197)  
[30] GB (1309375.2) 2013-05-24

[21] **2,910,009**  
[13] A1

[51] **Int.Cl. B01D 35/30 (2006.01) B01D 27/08 (2006.01)**

[25] EN

[54] **OIL FILTER CONSTRUCTION FOR INTERNAL COMBUSTION ENGINES AND FOR MACHINES INCLUDING OLEODYNAMIC CIRCUITS**

[54] **CONSTRUCTION DE FILTRE A HUILE POUR DES MOTEURS A COMBUSTION INTERNE ET POUR DES MACHINES COMPORTANT DES CIRCUITS OLEODYNAMIQUES**

[72] BOLDINI, ERMINIO DONALD, IT  
[71] FAI FILTRI S.R.L., IT

[85] 2015-10-21  
[86] 2014-05-14 (PCT/IB2014/000724)  
[87] (WO2014/184637)  
[30] IT (MI2013U000193) 2013-05-15

[21] **2,910,011**  
[13] A1

[51] **Int.Cl. C07D 223/16 (2006.01)**

[25] EN

[54] **A PROCESS FOR PREPARING IVABRADINE**

[54] **PROCEDE DE PREPARATION D'IVABRADINE**

[72] SADA, MARA, IT  
[72] GARIS, FARIS, IT  
[72] BERTOLINI, GIORGIO, IT  
[71] LABORATORIO CHIMICO INTERNAZIONALE S.P.A., IT

[85] 2015-10-21  
[86] 2014-05-19 (PCT/IB2014/000762)  
[87] (WO2014/188248)  
[30] IT (MI2013A000830) 2013-05-22

[21] **2,910,013**  
[13] A1

[51] **Int.Cl. B25B 23/10 (2006.01) A61B 17/88 (2006.01) B25B 23/00 (2006.01)**

[25] EN

[54] **TOOL DEVICES FOR SECURING CONNECTOR ELEMENTS**

[54] **OUTIL POUR FIXER DES ELEMENTS DE LIAISON**

[72] SANDERS, DANIEL, IL  
[71] MID CORP., US

[85] 2015-10-21  
[86] 2014-04-24 (PCT/IB2014/060993)  
[87] (WO2014/174486)  
[30] GB (1307521.3) 2013-04-25  
[30] GB (1323173.3) 2013-12-31

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[13] A1

[51] **Int.Cl. E21D 21/00 (2006.01)**  
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[54] **ROCK BOLT**  
[54] **BOULON DE ROCHE**  
[72] VAHLSTROM, OLA, SE  
[71] VAHLSTROM, OLA, SE  
[85] 2015-10-21  
[86] 2014-02-06 (PCT/SE2014/000015)  
[87] (WO2014/123467)  
[30] SE (1300102-9) 2013-02-07

[21] **2,910,022**  
[13] A1

[51] **Int.Cl. B25D 17/26 (2006.01) B21B 1/00 (2006.01) E21B 6/00 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD RELATED TO LUBRICATION OF COMPONENTS IN A ROCK DRILLING MACHINE AND ROCK DRILLING MACHINE**  
[54] **DISPOSITIF ET PROCEDE DE LUBRIFICATION DE COMPOSANTS DANS UNE MACHINE PERFORATRICE DE ROCHE, ET MACHINE PERFORATRICE DE ROCHE**  
[72] JONSSON, PER, SE  
[71] ATLAS COPCO ROCK DRILLS AB, SE  
[85] 2015-10-21  
[86] 2014-06-24 (PCT/SE2014/000088)  
[87] (WO2014/209197)  
[30] SE (1350767-8) 2013-06-25

[21] **2,910,024**  
[13] A1

[51] **Int.Cl. A47G 29/10 (2006.01) B25H 3/00 (2006.01) B25H 3/04 (2006.01)**  
[25] EN  
[54] **A SUSPENSION DEVICE AND A METHOD OF HANGING UP A TOOL OR OTHER OBJECT**  
[54] **DISPOSITIF DE SUSPENSION ET PROCEDE DE SUSPENSION D'UN OUTIL OU AUTRE OBJET**  
[72] ASPLUND, AKE, SE  
[71] ASPLUND, AKE, SE  
[85] 2015-10-21  
[86] 2014-04-04 (PCT/SE2014/050415)  
[87] (WO2014/185849)  
[30] SE (1300345-4) 2013-05-15

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[13] A1

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[25] EN  
[54] **VOLUME FLOW SENSOR SYSTEM COMPRISING A MASS FLOWMETER AND A DENSITY METER**  
[54] **SYSTEME DE CAPTEUR DE FLUX VOLUMETRIQUE COMPRENANT UN DEBITMETRE MASSIQUE ET UN DENSIMETRE**  
[72] WHEELER, SIMON P. H., US  
[71] MICRO MOTION, INC., US  
[85] 2015-10-21  
[86] 2013-04-30 (PCT/US2013/038732)  
[87] (WO2014/178828)

[21] **2,910,030**  
[13] A1

[51] **Int.Cl. A01N 55/02 (2006.01)**  
[25] EN  
[54] **TARGETING CORROLES FOR TUMOR TOXICITY AND MRI**  
[54] **CIBLAGE DE CORROLES POUR TOXICITE TUMORALE ET IRM**  
[72] MEDINA-KAUWE, LALI K., US  
[71] CEDARS-SINAI MEDICAL CENTER, US  
[85] 2015-10-21  
[86] 2014-05-08 (PCT/US2014/037234)  
[87] (WO2014/182868)  
[30] US (61/821,106) 2013-05-08

[21] **2,910,037**  
[13] A1

[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/013 (2012.01) E21B 49/08 (2006.01)**  
[25] EN  
[54] **ROLLER CONE SEAL FAILURE DETECTION USING AN INTEGRATED COMPUTATIONAL ELEMENT**  
[54] **DETECTION DE DEFAUT D'ETANCHEITE DE MOLETTES A L'AIDE D'UN ELEMENT DE CALCUL INTEGRE**  
[72] CHEN, SHILIN, US  
[72] CRAWFORD, MICHEAL BURL, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-21  
[86] 2013-05-22 (PCT/US2013/042270)  
[87] (WO2014/189508)

[21] **2,910,040**  
[13] A1

[51] **Int.Cl. E21B 4/02 (2006.01)**  
[25] EN  
[54] **DOWNHOLE DRILLING MOTOR AND METHOD OF USE**  
[54] **MOTEUR DE FORAGE DE FOND DE TROU ET SON PROCEDE D'UTILISATION**  
[72] SAMUEL, ROBELLO, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2015-10-21  
[86] 2013-05-23 (PCT/US2013/042500)  
[87] (WO2014/189517)

[21] **2,910,043**  
[13] A1

[51] **Int.Cl. A61L 27/20 (2006.01) A61L 27/36 (2006.01) A61L 27/52 (2006.01) C08L 5/08 (2006.01)**  
[25] EN  
[54] **CROSS LINKED SILK-HYALURONIC ACID COMPOSITION**  
[54] **COMPOSITION RETICULEE A BASE DE SOIE-ACIDE HYALURONIQUE**  
[72] PAVLOVIC, ELIZABETA, US  
[72] SERBAN, MONICA A., US  
[72] YU, XIAOJIE, US  
[72] MANESIS, NICHOLAS J., US  
[71] ALLERGAN, INC., US  
[85] 2015-10-21  
[86] 2014-04-21 (PCT/US2014/034789)  
[87] (WO2014/176158)  
[30] US (13/868,010) 2013-04-22

[21] **2,910,046**  
[13] A1

[51] **Int.Cl. A61J 1/14 (2006.01)**  
[25] EN  
[54] **STORAGE OR INFUSION BOTTLE**  
[54] **BOUTEILLE DE PERFUSION OU DE STOCKAGE**  
[72] BECKER, BERND, DE  
[71] KOCHER-PLASTIK MASCHINENBAU GMBH, DE  
[85] 2015-10-16  
[86] 2013-04-18 (PCT/EP2013/001149)  
[87] (WO2014/169929)



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[13] A1

[51] **Int.Cl. G05D 23/19 (2006.01)**  
[25] EN  
[54] **FACILITATING AMBIENT TEMPERATURE MEASUREMENT ACCURACY IN AN HVAC CONTROLLER HAVING INTERNAL HEAT-GENERATING COMPONENTS**  
[54] **PROCEDURE PERMETTANT DE FACILITER LA PRECISION DE MESURE DE LA TEMPERATURE AMIANTE DANS UN DISPOSITIF DE COMMANDE DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION PRESENTANT DES COMPOSANTS DE PRODUCTION DE CHALEUR INTERNES**  
[72] MODI, YASH, US  
[72] MATSUOKA, YOKY, US  
[72] FILSON, JOHN B., US  
[71] GOOGLE INC., US  
[85] 2015-10-21  
[86] 2014-04-21 (PCT/US2014/034836)  
[87] (WO2014/176176)  
[30] US (13/871,734) 2013-04-26

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[13] A1

[51] **Int.Cl. F21V 21/30 (2006.01) F21S 8/00 (2006.01)**  
[25] EN  
[54] **HINGE-MOUNTED ROTATING BASE SPOTLIGHT**  
[54] **PROJECTEUR A BASE ROTATIVE MONTE SUR CHARNIERE**  
[72] DUPRE, SCOTT, US  
[72] MATHEWS, BEN, US  
[71] LUCIFER LIGHTING COMPANY, US  
[85] 2015-10-21  
[86] 2014-04-22 (PCT/US2014/034968)  
[87] (WO2014/176247)  
[30] US (61/814,696) 2013-04-22

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[13] A1

[51] **Int.Cl. A63B 65/12 (2006.01) A63B 69/40 (2006.01)**  
[25] EN  
[54] **THROWING DEVICE**  
[54] **DISPOSITIF DE LANCEMENT**  
[72] SIEVERS, ROGER, US  
[71] SIEVERS, ROGER, US  
[85] 2015-10-21  
[86] 2014-04-22 (PCT/US2014/035006)  
[87] (WO2014/176263)  
[30] US (61/814,561) 2013-04-22

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[21] **2,910,056**  
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[51] **Int.Cl. A43B 13/36 (2006.01) A43B 13/38 (2006.01) A43B 13/41 (2006.01) A43B 21/39 (2006.01) A43B 21/42 (2006.01)**  
[25] FR  
[54] **SHOE WITH A REMOVABLE INTERCHANGEABLE HEEL AND VARIABLE CURVATURE**  
[54] **CHAUSSURE A TALON AMOVIBLE INTERCHANGEABLE ET CAMBRURE VARIABLE**  
[72] GUENOUN, GREGORY ELIE, FR  
[71] IMP SHOES, FR  
[85] 2015-10-20  
[86] 2014-05-01 (PCT/FR2014/051045)  
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[51] **Int.Cl. F24F 11/00 (2006.01)**  
[25] EN  
[54] **CONTEXT ADAPTIVE COOL-TO-DRY FEATURE FOR HVAC CONTROLLER**  
[54] **DISPOSITIF FROID-A-SEC ADAPTATIF AU CONTEXTE POUR APPAREIL DE COMMANDE CVCA**  
[72] MATSUOKA, YOKY, US  
[72] FISHER, EVAN J., US  
[71] GOOGLE INC., US  
[85] 2015-10-21  
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[21] **2,910,069**  
[13] A1

[51] **Int.Cl. A61F 7/08 (2006.01)**  
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[54] **THERMAL CONTROL SYSTEM**  
[54] **SYSTEME DE REGULATION THERMIQUE**  
[72] HOPPER, CHRISTOPHER JOHN, US  
[72] SCHULTZ, BRIAN, US  
[72] HOLMBERG, ROY E, US  
[72] CAMPBELL, JONATHAN DAVID, US  
[72] CONSTANT, MARCO, CA  
[71] STRYKER CORPORATION, US  
[85] 2015-10-21  
[86] 2014-05-20 (PCT/US2014/038801)  
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[13] A1

[51] **Int.Cl. B65D 81/34 (2006.01) B65D 77/04 (2006.01) B65D 77/22 (2006.01)**  
[25] EN  
[54] **PACKAGE FOR COMBINED STEAM AND MICROWAVE HEATING OF FOOD**  
[54] **EMBALLAGE PERMETTANT LE CHAUFFAGE COMBINE A LA VAPEUR ET A MICRO-ONDES D'ALIMENT**  
[72] RESURRECCION, FERMIN P., JR., US  
[72] SLOAT, JEFFREY T., US  
[71] GRAPHIC PACKAGING INTERNATIONAL, INC., US  
[85] 2015-10-21  
[86] 2014-05-23 (PCT/US2014/039349)  
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# Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

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<p style="text-align: center;">[21] <b>2,905,709</b> [13] A1</p> <p>[51] <b>Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>LIGHT WEIGHT PROPPANT WITH IMPROVED STRENGTH AND METHODS OF MAKING SAME</b></p> <p>[54] <b>AGENT DE SOUTENEMENT LEGER A RESISTANCE AMELIOREE ET SES PROCEDES DE FABRICATION</b></p> <p>[72] CHATTERJEE, DILLIP, US</p> <p>[72] PHAM, JODY, US</p> <p>[72] WU, SHANGUA, US</p> <p>[72] XIE, YUMING, US</p> <p>[72] COKER, CHRISTOPHER E., US</p> <p>[71] HALLIBURTON ENERGY SERVICES, INC., US</p> <p>[22] 2011-10-06</p> <p>[41] 2012-04-19</p> <p>[62] 2,812,578</p> <p>[30] US (61/392508) 2010-10-13</p>	<p style="text-align: center;">[21] <b>2,905,989</b> [13] A1</p> <p>[51] <b>Int.Cl. A61B 6/02 (2006.01) A61B 6/03 (2006.01) A61N 5/10 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>REAL-TIME, ON-LINE AND OFFLINE TREATMENT DOSE TRACKING AND FEEDBACK PROCESS FOR VOLUMETRIC IMAGE GUIDED ADAPTIVE RADIOTHERAPY</b></p> <p>[54] <b>SUIVI EN TEMPS REEL, HORS LIGNE ET EN LIGNE, D'UNE DOSE DE TRAITEMENT ET PROCEDE DE RETROACTION POUR RADIOTHERAPIE ADAPTATIVE GUIDEE PAR IMAGE VOLUMETRIQUE</b></p> <p>[72] YAN, DI, US</p> <p>[72] MARTINEZ, ALVARO, US</p> <p>[71] WILLIAM BEAUMONT HOSPITAL, US</p> <p>[22] 2007-05-24</p> <p>[41] 2008-01-31</p> <p>[62] 2,655,098</p> <p>[30] US (60/808,343) 2006-05-25</p> <p>[30] US (60/881,092) 2007-01-18</p>	<p style="text-align: center;">[21] <b>2,906,474</b> [13] A1</p> <p>[51] <b>Int.Cl. E04F 15/02 (2006.01) E04C 2/40 (2006.01)</b></p> <p>[25] EN</p> <p>[54] <b>SETS OF PANELS</b></p> <p>[54] <b>ENSEMBLE DE PANNEAUX</b></p> <p>[72] ENGSTROM, NILS-ERIK, SE</p> <p>[71] PERGO (EUROPE) AB, SE</p> <p>[22] 2010-11-08</p> <p>[41] 2011-11-17</p> <p>[62] 2,797,092</p> <p>[30] DE (10 2010 020 089.1) 2010-05-10</p>

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[25] EN  
[54] **ABRASION AND CORROSION RESISTANT ALLOY AND HARDFACING/CLADDING APPLICATIONS**  
[54] **ALLIAGE RESISTANT A L'ABRASION ET A LA CORROSION ET APPLICATIONS DE RECHARGEMENT DUR/PLACAGE**  
[72] WALLIN, JACK, US  
[72] MENON, RAVI, US  
[72] BARNHART, TIM, US  
[71] STOODY COMPANY, US  
[22] 2013-03-26  
[41] 2013-10-03  
[62] 2,868,402  
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[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/10 (2006.01) A01C 7/20 (2006.01) A01C 15/00 (2006.01)**  
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[54] **CUSTOMER PLANTER AND METHOD OF CUSTOM PLANTING**  
[54] **SEMOIR PERSONNALISE ET PROCEDE DE PLANTATION PERSONNALISEE**  
[72] STEHLING, SAM, US  
[72] DEPPERMAN, KEVIN L., US  
[72] FORINASH, BRIAN J., US  
[71] MONSANTO TECHNOLOGY LLC, US  
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[62] 2,661,588  
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[51] **Int.Cl. C08L 83/04 (2006.01) C08L 23/00 (2006.01) C08L 83/10 (2006.01)**  
[25] EN  
[54] **SILICONE-THERMOPLASTIC POLYMER REACTIVE BLENDS AND COPOLYMER PRODUCTS**  
[54] **MELANGES REACTIFS DE POLYMERES SILICONE-THERMOPLASTIQUE ET PRODUITS COPOLYMERES**  
[72] COGEN, JEFFREY M., US  
[72] ESSEGHIR, MOHAMED, US  
[72] HILMER, ANDREW, US  
[71] UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY LLC, US  
[22] 2009-07-24  
[41] 2010-02-04  
[62] 2,732,755  
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[21] **2,906,604**  
[13] A1

[51] **Int.Cl. H01M 4/136 (2010.01) H01M 10/0525 (2010.01)**  
[25] EN  
[54] **PROCESS FOR PREPARING ELECTROACTIVE INSERTION COMPOUNDS AND ELECTRODE MATERIALS OBTAINED THEREFROM**  
[54] **PROCEDE DE PREPARATION DE COMPOSES D'INSERTION ELECTROACTIFS ET MATERIAUX D'ELECTRODE CONNEXES**  
[72] GAUTHIER, LAURENT, CA  
[72] GAUTHIER, MICHEL, CA  
[72] LAVOIE, DONALD, CA  
[72] MICHOT, CHRISTOPHE, CA  
[72] RAVET, NATHALIE, CA  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[71] UNIVERSITE DE MONTREAL, CA  
[71] CLARIANT (CANADA) INC., CA  
[22] 2004-12-22  
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[13] A1

[51] **Int.Cl. B03D 1/12 (2006.01)**  
[25] EN  
[54] **PROCESS FOR TREATING HIGH PARAFFIN DILUTED BITUMEN**  
[54] **PROCEDE DE TRAITEMENT DE BITUME DILUE A FORTE TENEUR EN PARAFFINE**  
[72] VAN DER MERWE, SHAWN, CA  
[72] CHETA, LLIE, CA  
[71] FORT HILLS ENERGY L.P., CA  
[22] 2011-02-25  
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[51] **Int.Cl. A61K 41/00 (2006.01) A61N 5/06 (2006.01) A61N 5/10 (2006.01)**  
[25] EN  
[54] **NON-INVASIVE SYSTEMS AND METHODS FOR IN-SITU PHOTOBIO-MODULATION**  
[54] **SYSTEMES NON INVASIFS ET PROCEDES DE PHOTOBIO-MODULATION IN SITU**  
[72] BOURKE, FREDERIC A., US  
[72] VO DINH, TUAN, US  
[72] WALDER, HAROLD, US  
[71] IMMUNOLIGHT, LLC, US  
[71] DUKE UNIVERSITY, US  
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[25] EN  
[54] **METHOD AND APPARATUS FOR FACILITATING ASSEMBLY AND ERECTION OF A DRILLING RIG**  
[54] **PROCEDE ET APPAREIL POUR FACILITER L'ASSEMBLAGE ET L'ERECTION D'UN APPAREIL DE FORAGE**  
[72] DONNALLY, ROBERT BENJAMIN, CH  
[72] REN, CHUNQIAO, CH  
[72] MCCURDY, STUART ARTHUR LYALL, CH  
[72] LIU, XILIN, CH  
[72] SHENG, HUI CHUN, CH  
[72] YU, YAN, CH  
[71] NATIONAL OILWELL VARCO, L.P., US  
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[62] 2,716,057  
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[13] A1

[51] **Int.Cl. E05B 55/00 (2006.01) E05B 61/00 (2006.01)**  
[25] EN  
[54] **MULTIPLE POINT DOOR LOCKING SYSTEM, WITH HANDLE TURNING DIRECTION CONTROL**  
[54] **SYSTEME DE VERROUILLAGE DE PORTE MULTIPOINT, A COMMANDE DE SENS DE ROTATION DE POIGNEE**  
[72] UYEDA, ALAN K., US  
[71] HANCHETT ENTRY SYSTEMS, INC., US  
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[13] A1

[51] **Int.Cl. A63H 33/00 (2006.01) A63H 30/00 (2006.01)**  
[25] EN  
[54] **INTERACTIVE INTELLIGENT TOY**  
[54] **JOUET INTERACTIF INTELLIGENT**  
[72] HORNSBY, JAMES RUSSELL, US  
[72] MCGOWAN, JOSEPH, US  
[72] REYNOLDS, MICHAEL, US  
[72] BENSON, MARCELLUS, US  
[71] CEPIA, LLC, US  
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[30] US (12/384993) 2009-04-13  
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[30] US (12/540199) 2009-08-12  
[30] US (12/572610) 2009-10-02

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[51] **Int.Cl. B66F 9/18 (2006.01)**  
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[54] **EQUALIZED HYDRAULIC CLAMP FORCE CONTROL**  
[54] **COMMANDE DE FORCE DE SERRAGE HYDRAULIQUE EGALISEE**  
[72] PETRONEK, DAVID W., US  
[71] CASCADE CORPORATION, US  
[22] 2009-08-31  
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[13] A1

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[54] **FLYING THEATRE**  
[54] **THEATRE VOLANT**  
[72] JOB, RICHARD, CA  
[72] VAN VUUREN, EMILE, CA  
[72] ZHOU, YE, CA  
[72] HALLIDAY, DAVID, CA  
[72] LOEWEN, NATHAN, CA  
[72] GEDIG, MIKE, US  
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[62] 2,793,598

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[51] **Int.Cl. E21B 34/06 (2006.01)**  
[25] EN  
[54] **VARIABLE FLOW RESISTANCE FOR USE WITH A SUBTERRANEAN WELL**  
[54] **SYSTEME DE RESISTANCE VARIABLE A L'ECOULEMENT A METTRE EN UVRE DANS UN Puits SOUTERRAIN**  
[72] DYKSTRA, JASON D., US  
[72] FRIPP, MICHAEL L., US  
[72] ZHAO, LIANG, US  
[72] FELTEN, FREDERIC, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
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[51] **Int.Cl. A61F 2/02 (2006.01) A61B 17/04 (2006.01) A61F 2/00 (2006.01)**  
[25] EN  
[54] **SURGICAL ARTICLES AND METHODS FOR TREATING PELVIC CONDITIONS**  
[54] **ARTICLES CHIRURGICAUX ET METHODES POUR TRAITER DES AFFECTIONS PELVIENNES**  
[72] OGDahl, JASON, US  
[72] ROLL, JESSICA L., US  
[72] DAHDAH, MONA N., US  
[72] LUND, ROBERT E., US  
[72] OTTE, JOHN F., US  
[72] MONTPETIT, KAREN PILNEY, US  
[72] KHAMIS, CHAOUKI A., US  
[72] KALETA, RICHARD C., US  
[72] CHAPMAN, KELLY ANN, US  
[72] WOLD, JELICA D., US  
[71] AMS RESEARCH CORPORATION, US  
[22] 2007-02-16  
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[30] US (60/775,039) 2006-02-16  
[30] US (60/804,353) 2006-06-09  
[30] US (60/805,040) 2006-06-16  
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[13] A1

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[54] **SYSTEM AND METHOD FOR DOWNHOLE TELEMETRY**  
[54] **SYSTEME ET METHODE DE TELEMETRIE DE FOND DE TROU**  
[72] PETROVIC, JOHN, CA  
[72] PETROVIC, VICTOR, CA  
[72] WHITE, MATTHEW R., CA  
[72] BEAULAC, NEAL P., CA  
[71] MOSTAR DIRECTIONAL TECHNOLOGIES INC., CA  
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[30] CA (2,544,457) 2006-04-21  
[30] US (11/538,277) 2006-10-03

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[13] A1

[51] **Int.Cl. G10L 21/0388 (2013.01) G10L 19/02 (2013.01)**  
[25] EN  
[54] **AUDIO ENCODER AND BANDWIDTH EXTENSION DECODER**  
[54] **CODEUR AUDIO ET DECODEUR D'EXTENSION DE LARGEUR DE BANDE**  
[72] NAGEL, FREDERIK, DE  
[72] DISCH, SASCHA, DE  
[72] FUCHS, GUILLAUME, DE  
[72] HERRE, JURGEN, DE  
[72] GRIEBEL, CHRISTIAN, DE  
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
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[41] 2010-06-24  
[62] 2,746,837  
[30] US (61/122,552) 2008-12-15

[21] **2,908,847**  
[13] A1

[51] **Int.Cl. G10L 21/0388 (2013.01) G10L 19/02 (2013.01)**  
[25] EN  
[54] **AUDIO ENCODER AND BANDWIDTH EXTENSION DECODER**  
[54] **CODEUR AUDIO ET DECODEUR D'EXTENSION DE LARGEUR DE BANDE**  
[72] NAGEL, FREDERIK, DE  
[72] DISCH, SASCHA, DE  
[72] FUCHS, GUILLAUME, DE  
[72] HERRE, JURGEN, DE  
[72] GRIEBEL, CHRISTIAN, DE  
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[22] 2009-12-11  
[41] 2010-06-24  
[62] 2,746,837  
[30] US (61/122,552) 2008-12-15

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[13] A1

[51] **Int.Cl. A61B 5/087 (2006.01) A61B 5/08 (2006.01) A61M 16/00 (2006.01)**  
[25] EN  
[54] **POSITIVE AIRWAY PRESSURE SYSTEM AND METHOD FOR TREATMENT OF SLEEPING DISORDER IN PATIENT**  
[54] **SYSTEME DE PRESSION POSITIVE SUR LES VOIES AERIENNES ET METHODE DE TRAITEMENT D'UN TROUBLE DU SOMMEIL CHEZ UN PATIENT**  
[72] RAPOPORT, DAVID M., US  
[72] NORMAN, ROBERT G., US  
[71] NEW YORK UNIVERSITY, US  
[22] 2004-07-21  
[41] 2005-03-03  
[62] 2,695,839  
[30] US (10/642,459) 2003-08-14

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[25] EN  
[54] **GLOBAL INTELLIGENT REMOTE DETECTION SYSTEM**  
[54] **SYSTEME DE DETECTION A DISTANCE INTELLIGENT MONDIA**  
[72] WEBB, GREGORY E., SR., US  
[71] INFRAEGIS, INC., US  
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[41] 2004-12-29  
[62] 2,546,402  
[30] US (10/464,523) 2003-06-17

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[13] A1

[51] **Int.Cl. H04W 4/06 (2009.01) G08B 21/18 (2006.01)**  
[25] EN  
[54] **MESSAGE BROADCASTING GEO-FENCING SYSTEM AND METHOD**  
[54] **SYSTEME ET PROCEDE DE GARDIENNAGE VIRTUEL DE DIFFUSION DE MESSAGES**  
[72] WEISER, DOUGLAS, US  
[72] WOOD, MARK ANDREW, US  
[72] PRESTON, KEVIN RUSSELL, US  
[71] ENVISIONIT LLC, US  
[22] 2006-11-20  
[41] 2008-03-27  
[62] 2,631,102  
[30] US (60/739,818) 2005-11-23

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[13] A1

[51] **Int.Cl. H04B 1/40 (2015.01) H04B 7/12 (2006.01) H04M 11/06 (2006.01)**  
[25] EN  
[54] **RESOURCE SHARING IN A TELECOMMUNICATIONS ENVIRONMENT**  
[54] **PARTAGE DE RESSOURCES DANS UN ENVIRONNEMENT DE TELECOMMUNICATIONS**  
[72] TZANNES, MARCOS C., US  
[72] LUND, MICHAEL, US  
[71] TQ DELTA, LLC, US  
[22] 2005-10-11  
[41] 2006-04-27  
[62] 2,869,452  
[30] US (60/618,269) 2004-10-12

## Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

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[21] **2,909,242**  
[13] A1

[51] **Int.Cl. H04N 19/124 (2014.01) H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/587 (2014.01)**

[25] EN

[54] **VIDEO ENCODING DEVICE, VIDEO DECODING DEVICE, VIDEO ENCODING METHOD, AND VIDEO DECODING METHOD**

[54] **DISPOSITIF DE CODAGE VIDEO, DISPOSITIF DE DECODAGE VIDEO, PROCEDE DE CODAGE VIDEO ET PROCEDE DE DECODAGE VIDEO**

[72] AOKI, HIROFUMI, JP  
[72] CHONO, KEIICHI, JP  
[72] SENDA, YUZO, JP  
[72] SENZAKI, KENTA, JP  
[71] NEC CORPORATION, JP  
[22] 2012-03-08  
[41] 2012-09-13  
[62] 2,829,034  
[30] JP (2011-051291) 2011-03-09  
[30] JP (2011-0953395) 2011-04-21

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[21] **2,909,243**  
[13] A1

[51] **Int.Cl. C10L 1/00 (2006.01) C10G 47/20 (2006.01) C10G 49/08 (2006.01)**

[25] EN

[54] **CATALYSTS, PREPARATION OF SUCH CATALYSTS, METHODS OF USING SUCH CATALYSTS, PRODUCTS OBTAINED IN SUCH METHODS AND USES OF PRODUCTS OBTAINED**

[54] **CATALYSEURS, LEUR PREPARATION, LEURS PROCEDES D'UTILISATION, PRODUITS OBTENUS PAR LESDITS PROCEDES ET LEURS UTILISATIONS**

[72] BHAN, OPINDER BHAN, US  
[72] WELLINGTON, SCOTT LEE, US  
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL  
[22] 2009-06-10  
[41] 2009-11-05  
[62] 2,720,701  
[30] US (61/043,941) 2008-04-10

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[21] **2,909,279**  
[13] A1

[51] **Int.Cl. G07B 15/06 (2011.01) G08G 1/017 (2006.01) G06F 17/30 (2006.01)**

[25] EN

[54] **ELECTRONIC VEHICLE IDENTIFICATION**

[54] **IDENTIFICATION ELECTRONIQUE DE VEHICULES**

[72] HEDLEY, JAY E., US  
[72] THORNBURG, NEAL P., US  
[71] ACCENTURE GLOBAL SERVICES LIMITED, IE  
[22] 2006-06-12  
[41] 2006-12-21  
[62] 2,611,379  
[30] US (60/689,050) 2005-06-10

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[21] **2,909,682**  
[13] A1

[51] **Int.Cl. B41J 2/175 (2006.01)**

[25] EN

[54] **CARTRIDGE AND PRINTING MATERIAL SUPPLY SYSTEM**

[54] **SYSTEME D'ALIMENTATION POUR CARTOUCHE ET MATERIAU D'IMPRESSION**

[72] NOZAWA, IZUMI, JP  
[72] KODAMA, HIDETOSHI, JP  
[72] MIZUTANI, TADAIRO, JP  
[72] MATSUZAKI, KAZUTOSHI, JP  
[72] HARADA, KAZUMASA, JP  
[72] NAKATA, SATOSHI, JP  
[72] KAWATA, HIDETAKA, JP  
[71] SEIKO EPSON CORPORATION, JP  
[22] 2012-03-01  
[41] 2013-07-12  
[62] 2,809,615  
[30] JP (2012-003694) 2012-01-12  
[30] JP (2012-003698) 2012-01-12  
[30] JP (2012-003653) 2012-01-12  
[30] JP (2012-003652) 2012-01-12

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[21] **2,909,853**  
[13] A1

[51] **Int.Cl. G01F 11/28 (2006.01)**

[25] FR

[54] **DIFFERENTIAL PRESSURE METERING DEVICE**

[54] **DISPOSITIF DOSEUR A PRESSION DIFFERENTIELLE**

[72] WOZNA, PATRICK, FR  
[71] FLEXIDOSE, FR  
[22] 2009-11-04  
[41] 2010-05-14  
[62] 2,742,898  
[30] FR (0806164) 2008-11-05

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LTD.	2,697,335	REPRESENTED BY THE		UNIVERSITE JOSEPH	
STAHL, EDWARD L.	2,701,030	SECRETARY OF THE		FOURIER	2,657,712
STAMM, BRYAN	2,808,635	DEPARTMENT OF		UNIVERSITE PARIS-SUD	2,686,501
STEHRLEIN, MARTIN	2,666,982	HEALTH AND HUMAN		UNIVERSITY OF PITTSBURGH	
STEIGER, MATTHIAS	2,725,901	SERVICES	2,620,582	- OF THE	
STEINBRENNER, ULRICH	2,669,617	THE GSI GROUP, LLC	2,726,897	COMMONWEALTH	
STERGIADIS, IOANNA	2,646,409	THE NEW YORK BLOOD		SYSTEM OF HIGHER	
STEVANATO GROUP		CENTER, INC.	2,570,218	EDUCATION	2,581,896
INTERNATIONAL A.S.	2,804,814	THE PROCTER & GAMBLE		UOP LLC	2,695,168
STIGSSON, LARS	2,754,521	COMPANY	2,645,635	UOP LLC	2,829,922
STILLER, MATTHEW L.	2,686,450	THE REGENTS OF THE		USUI, MAKOTO	2,535,741
STIRN, ANDREW K.	2,768,590	UNIVERSITY OF		VAINOLA, KATI	2,602,105
STIVER, MARK	2,659,343	CALIFORNIA	2,478,833	VAITTINEN, RAMI	2,602,105
STONE, DAVID ALLEN	2,699,848	THE SERVICEMASTER		VALLEE, CHRISTOPHE	2,573,648
STONE, MICHAEL	2,686,450	COMPANY	2,706,842	VAN DER MEIJDEN,	
STOTT, GALE J.	2,720,188			HENDRIKUS JOHANNES	2,694,601

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VAN DYKE, PRISCILLA	2,646,409	YAMAHA CORPORATION	2,823,888
VAN REENEN, MICHAEL ALEXANDER	2,824,110	YAMAHA HATSUDOKI KABUSHIKI KAISHA	2,788,513
VANDINE, ROBERT W.	2,780,751	YAMAMICHI, MASATO (DECEASED)	2,535,741
VARJASSY, JUSTIN C.	2,685,239	YAMAMOTO, KAZUNORI	2,679,890
VENKATARAMANI, VENKATESHWARAN	2,823,187	YAMASAKI, SATOSHI	2,679,890
VERCAEMER, CLAUDE	2,696,015	YAMAZAKI, MASAHIRO	2,865,500
VERCOUTERE, GAUTHIER	2,657,712	YANG, GUANG	2,793,942
VIEBKE, CHRISTER	2,699,918	YATER, RONALD WILLIAM	2,825,208
VINCENT, MYRIAM	2,498,764	YEO, KIAN PEEN	2,738,746
VIOLA, FRANK J.	2,639,139	YOENSKY, MICHAEL	2,804,353
VIOLA, FRANK J.	2,639,282	YOKOTA, KAORU	2,535,741
VIOLA, FRANK J.	2,639,704	YOKOYAMA, TARO	2,823,888
VIOLETTE, SHELIA M.	2,478,833	YONGE, LAWRENCE W., III	2,757,465
VLEKKEN, JOHAN	2,657,712	YORK, DAVID WILLIAM	2,645,635
VOET, MARC	2,657,712	YORK, JAMES	2,629,686
VON HORSTEN, HANS HENNING	2,773,240	YOSHIDA, HIROSHI	2,837,049
WALTER, MICHAEL W.	2,788,785	YOSHINO KOGYOSYO CO., LTD.	2,692,461
WALTON, FREDDIE GEORGE	2,807,882	YOUNG, TERRY-LYNN	2,647,856
WANAT, DAVID J.	2,718,672	YU, HUAYUN	2,820,327
WANG, WEI	2,755,483	YU, YAN	2,755,483
WARWICK, DENNIS JAMES	2,878,549	YUE, PENG	2,755,483
WASAN, DARSH T.	2,645,635	YUK, YOUNG SOO	2,779,828
WATSON, L., MICHAEL	2,726,897	Z-FILTER PTY LTD.	2,649,974
WATTS, RAYMOND F.	2,635,150	ZAIDI, MONE	2,581,896
WEBER, ROBERT	2,694,236	ZBIRAL, ROBERT	2,646,936
WEILER, CHRISTOPHER W.	2,686,450	ZEBALA, JOHN A.	2,754,007
WEINREB, PAUL H.	2,478,833	ZEE.AERO INC.	2,801,651
WEN, YU-CHE	2,775,361	ZERGIEBEL, EARL M.	2,682,958
WENGER, CURTIS	2,786,396	ZESZOTARSKI, JONATHAN	2,695,759
WERLE, PETER	2,725,901	ZHAI, JIE FU	2,675,131
WEST, ROBERT E.	2,587,991	ZHANG, BOKE	2,688,415
WESTNEDGE, ANDREW	2,813,033	ZHANG, FAN	2,740,110
WETTERER, GEORGE ROBERT	2,713,344	ZHANG, HAINING	2,726,830
WHELEN, GARTH W.	2,775,526	ZHANG, JIAN	2,611,381
WHITFIELD, KENNETH H.	2,682,958	ZHANG, KEWEI	2,848,264
WIETH, FRANZ	2,732,339	ZHAO, JONATHAN Z.	2,820,238
WILKERSON, LARRY A.	2,850,677	ZODIAC POOL SYSTEMS, INC.	2,694,601
WILKINSON, HAROLD S.	2,678,599	ZWEIGLE, GREGARY C.	2,761,175
WILLETTE, JOE	2,850,677		
WILLIAMS, KIRSTY JANE	2,686,979		
WILSON, CHARLES	2,597,889		
WILSON, SHAWN M.	2,732,898		
WILTON, BRUCE W.	2,685,239		
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WOBBEN PROPERTIES GMBH	2,804,748		
WOJCIESZYNSKI, ANDRZEJ L.	2,654,813		
WONG, ERIC	2,750,113		
WOOD, CLIVE R.	2,635,588		
WOTTON, PAUL	2,755,779		
WU, KEN	2,784,930		
WULFF, STEPHEN ALFRED	2,801,504		
WURMAN, PETER R.	2,754,626		
WYSE, LONCE LAMAR	2,738,746		
XIAO, WENJING	2,820,327		
XU, RUISONG	2,820,327		
XU, YAN	2,498,764		
XU, ZHIYUE	2,806,714		
XYLEM IP HOLDINGS LLC	2,679,122		
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YAMADA, TAKAYUKI	2,788,513		

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9105-3561 QUEBEC INC.	2,849,830	BJORNENAK, MADS	2,864,254	CHEN, SAM	2,889,464
ABB TECHNOLOGY AG	2,855,297	BLACKMAN, TRAVIS A.	2,884,434	CHENGXIONG, LU	2,850,069
ABEL, KEITH A.	2,901,786	BLUE SPARK ENERGY INC.	2,889,226	CHERVON INTELLECTUAL	
ABRAHAM, BIBY ESTHER	2,888,881	BLUE SPARK ENERGY INC.	2,889,227	PROPERTY LIMITED	2,889,356
ABRAHAM, BIBY ESTHER	2,888,884	BOESE, DOYLE H.	2,890,781	CHIVARI, ANTHONY	2,890,059
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AIRBUS OPERATIONS SL	2,888,677	BOLDUC, JEAN-PIERRE	2,850,365	CHUY, CARMEN	2,900,130
ALONSO PINTADO, HECTOR	2,888,677	BOMBARDIER		CNH INDUSTRIAL CANADA,	
ALTAMURA, PAOLO	2,889,542	RECREATIONAL		LTD.	2,885,832
AMBEKAR, AKSHAY		PRODUCTS INC.	2,884,222	COBB, JAMES M.	2,882,482
KRISHNAMURTY	2,888,737	BOREA (9302-0469 QUEBEC		COMCAST CABLE	
AMBEKAR, AKSHAY		INC.)	2,902,637	COMMUNICATIONS, LLC	2,889,418
KRISHNAMURTY	2,888,739	BORSARI, MAURIZIO	2,889,825	COMPASS MINERALS	
AMERICHEM, INC.	2,889,442	BOUDJERIDA, NACER	2,850,718	MANITOBA INC.	2,889,829
APOLLO MACHINE &		BOULENS, PIERRE	2,889,386	CONTINENTAL AUTOMOTIVE	
WELDING LTD.	2,850,201	BOULENS, PIERRE	2,889,601	GMBH	2,887,788
APOLLO MACHINE &		BOULENS, PIERRE	2,889,602	CONTROL DEVICES, INC.	2,888,079
WELDING LTD.	2,872,371	BRADY, CLYDE	2,890,059	COOPER TECHNOLOGIES	
ARNAUD, MATHIEU	2,889,902	BREEN, SCOTT M.	2,889,836	COMPANY	2,889,176
ARRIS ENTERPRISES, INC.	2,888,181	BREUIL, PIERRE-ALAIN	2,889,386	COOPER TECHNOLOGIES	
ARROW FASTENER CO., LLC	2,889,871	BREUIL, PIERRE-ALAIN	2,889,601	COMPANY	2,889,842
ARTIKA FOR LIVING INC.	2,889,551	BREUIL, PIERRE-ALAIN	2,889,602	COOPER TECHNOLOGIES	
ATELIERS BOLDUC &		BRIDGEPORT FITTINGS, INC.	2,876,625	COMPANY	2,890,064
FRERES INC.	2,850,353	BUCKINGHAM		COVIDIEN LP	2,872,983
AUGER, JEREMY JASON	2,850,645	MANUFACTURING CO.,		COVIDIEN LP	2,875,285
AVILA DOMINGUEZ, RAFAEL	2,888,677	INC.	2,889,576	COVIDIEN LP	2,883,248
BACKLUND, NIKI	2,885,660	BUILDING MATERIALS		CRESPO, CARLOS DANIEL	2,883,046
BADESHA, SANTOKH	2,888,888	INVESTMENT		CROOKS, WILLIAM MICHAEL	2,887,771
BALESTRINI, ANDREA	2,888,693	CORPORATION	2,888,817	CROUCH, JEFFREY D.	2,879,842
BALL, WILL D., IV	2,856,766	BUILDING MATERIALS		CROWE, DARRELL S.	2,888,855
BAND, KIM THOMAS SEFTON	2,897,661	INVESTMENT		CUNNINGHAM, PAUL JOSEPH	2,850,816
BANKS, DAVID P.	2,882,420	CORPORATION	2,888,820	CUPPETT, MATTHEW D.	2,855,297
BANKS, DAVID PAUL	2,882,466	BUILDING MATERIALS		DADDONA, AMY E.	2,889,367
BEECKLER, CHRISTOPHER		INVESTMENT		DAEHLER, CHRISTIAN	2,855,297
THOMAS	2,899,092	CORPORATION	2,888,825	DAHM, ELIZABETH L.	2,855,297
BENIGNOS, JORGE		BUZZA, STEPHEN A.	2,888,817	DAIDO STEEL CO., LTD.	2,888,695
ALEJANDRO		BUZZA, STEPHEN A.	2,888,820	DAIMLER AG	2,900,130
CARRETERO	2,888,726	BUZZA, STEPHEN A.	2,888,825	DAL PAN, WALLACE	2,890,059
BERGE, MICHAEL R.	2,888,012	BYERLY, STEVE FOSTER	2,889,322	DARITECH, INC.	2,890,558
BEST, STEVEN A.	2,882,482	C. SEELY ENTERPRISES LTD.	2,849,780	DAWES, MATTHEW	2,889,358
BEST, STEVEN A.	2,882,485	CANNON EQUIPMENT LLC	2,889,412	DAY, DAN DRESSKELL	2,882,420
BEST, STEVEN A.	2,883,046	CARROLL, SHAWN	2,889,226	DAY, DAN DRESSKELL	2,882,482
BEST, STEVEN A.	2,886,500	CARROLL, SHAWN	2,889,227	DAY, DAN DRESSKELL	2,883,614
BETTENCOURT, HAROLD		CARTAILLAC, ERWAN	2,889,419	DEBENEDICTIS,	
RAY	2,889,585	CASASANTA, THOMAS	2,875,285	CHRISTOPHER J.	2,885,035
BETTENCOURT, NICHOLAS		CASPER, ROBERT T.	2,887,760	DEERE & COMPANY	2,887,760
RYAN	2,889,585	CASSELS, JASON	2,889,852	DEHN, JAMES J.	2,888,242
BHASKAR, NITIKA	2,888,739	CAVANAUGH, PATRICK	2,889,839	DELTA FAUCET COMPANY	2,888,855
BIOPOLICY INNOVATIONS		CENOVUS ENERGY INC	2,889,464	DELVENTURA, ROBERT	
INC.	2,887,817	CHAMPION ENGINE		PAUL	2,889,297
BIOSENSE WEBSTER		TECHNOLOGY, LLC	2,888,242	DENNIS, CRAIG	2,889,442
(ISRAEL) LTD.	2,889,377	CHANDRASHEKAR,		DESAI, KALPIT VIKRAMBHAI	2,888,737
BIOSENSE WEBSTER		SIDDHANTH	2,888,737	DESIRE2LEARN	
(ISRAEL) LTD.	2,899,092	CHANG, PAUL C.	2,882,420	INCORPORATED	2,850,645

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DESJARDIEN, MATTHEW RAY	2,882,485	GENERAL ELECTRIC COMPANY	2,888,726	IFP ENERGIES NOUVELLES	2,889,602
DESJARDIEN, MATTHEW RAY	2,883,046	GENERAL ELECTRIC COMPANY	2,888,737	IFTIME, GABRIEL	2,888,881
DESJARLAIS, MELANIE	2,884,222	GENERAL ELECTRIC COMPANY	2,888,739	IFTIME, GABRIEL	2,888,884
DEWAARD, DAVID	2,890,558	GENERAL MOTORS LLC	2,885,141	IMPERIAL OIL RESOURCES LIMITED	2,901,786
DHURI, KRISHNARAO DATTARAM	2,888,737	GERARD, ALAIN	2,889,419	INFINEUM INTERNATIONAL LIMITED	2,890,781
DIMAR S.R.L. UNIPERSONALE	2,889,825	GIAMATI, MICHAEL JOHN	2,885,348	INGMANSON, MICHAEL	2,872,983
DING, KUN-LIN	2,888,323	GIARDINI, LORENZO	2,888,693	INTECH, INC.	2,888,864
DJANG, ARTHUR H. K.	2,855,291	GIDDENS, DONALD	2,890,059	INTIRION CORPORATION	2,887,526
DOOLEY, BRYNN	2,888,881	GIDOIU, ION	2,888,498	ISSA, JOSEPH	2,889,194
DOOLEY, BRYNN	2,888,884	GIUMENTO, ANGELLO	2,850,684	JANI, WILLIAM	2,901,702
DOUBEK, DAVID E.	2,889,468	GIUMENTO, ANGELLO	2,850,718	JEPSON, RAYMOND	2,889,551
DRACK, LORENZ EDWIN	2,888,726	GLINER, VADIM	2,889,377	JL, XIEYUAN	2,888,573
DROSTE, SCOTT	2,885,141	GOMES, ALBERTO REGIO	2,889,297	JIAO, HONGGUANG	2,888,573
DUBECK, BRENDA	2,889,829	GOODRICH CORPORATION	2,885,348	JONES, DARRELL DARWIN	2,882,420
DUFORT, LUC	2,884,222	GOVARI, ASSAF	2,889,377	JONES, DARRELL DARWIN	2,882,466
DUNCAN, SCOTT D.	2,850,703	GOVARI, ASSAF	2,899,092	JONES, DARRELL DARWIN	2,883,046
DUPRE, JEAN-LUC	2,850,683	GRANT, KELVIN GRANDY	2,903,328	JONES, THOMAS DAVID	2,856,228
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DURAND, ALAIN	2,889,654	GREENWALT, CHRISTOPHER LEE	2,890,064	KAMAL, MUSA	2,888,403
DUSCHINSKY, GABRIEL	2,887,406	GROTE, EDWIN MICHAEL	2,903,328	KANIA, JASON	2,889,839
DYCKOW, DEAN	2,889,560	GUHDE, BRIAN	2,889,442	KARIMI, KAMIAR J.	2,882,057
DYNAMIC DITCHERS INC.	2,850,820	GUPTA, SUBODH	2,889,464	KARPPINEN, RODNEY J.	2,850,703
EARLE, JOHN	2,889,471	GUTIERREZ, JOSE A.	2,890,781	KAWANO, MASAMICHI	2,888,695
EATON CORPORATION	2,887,771	HALL, GREGORY A.T.	2,887,526	KELLOMAKI, MARKKU	2,888,690
EDINGER, HENRY F.	2,889,367	HAMRE, DOUGLAS J.	2,850,201	KEMP, JACLYN	2,850,819
EMMA, PHILLIP	2,887,526	HAMRE, DOUGLAS J.	2,872,371	KENNER, JOHN VANDERSTAAY	2,889,539
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ENLOW, BRIAN A.	2,888,855	HARNISCHFEGER TECHNOLOGIES, INC.	2,889,410	KHOSHKAVA, VAHID	2,888,403
EVANGELISTA, ALDEN	2,850,675	HARPER, ERIC G.	2,889,871	KIDDE TECHNOLOGIES, INC.	2,885,000
EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,901,786	HE, ZENGHUA	2,868,945	KINK, MICHAEL	2,890,566
FAN, QINGWEI	2,889,293	HEATCRAFT REFRIGERATION PRODUCTS LLC	2,889,297	KNIGHT, STEPHEN J., III	2,865,147
FARQUE, ERIC	2,888,079	HEAVEN, THOMAS	2,889,839	KNUTSON, JAMES A.	2,889,176
FARQUE, JASON	2,888,079	HENRY, MICHAEL	2,889,358	KONE CORPORATION	2,885,660
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FISHER, BENJAMIN D.	2,888,864	HIGH-TECH CONSULTANTS, INC.	2,856,766	KUGLER, WILLIAM E.	2,865,147
FITZSIMMONS, THOMAS	2,872,983	HIRSCH, ANTONIN	2,889,902	LACHANCE, JEROME	2,850,353
FLEISCHER, ERIC C.	2,889,871	HITACHI, LTD.	2,888,077	LAGACE, MARIN	2,850,683
FLORES MANGAS, FERNANDO	2,888,454	HOLMES, RYAN A.	2,889,686	LAGACE, MARIN	2,850,718
FLORIDI, GIOVANNI	2,888,693	HONDA MOTOR CO., LTD.	2,889,471	LALANCETTE, DANIEL	2,887,710
FMR LLC	2,896,527	HONEYWELL INTERNATIONAL INC.	2,888,573	LAMBERT, GHISLAIN	2,850,683
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FOWLER, MARK L.	2,888,181	HYDRO-QUEBEC	2,850,683	LAPRADE, BILL	2,896,527
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FUGRO ENGINEERS B.V.	2,872,059	HYDRO-QUEBEC	2,850,718	LASSEN, MATTHEW A.	2,882,419
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GE AVIO S.R.L.	2,889,542			LAVOIE, SAMUEL	2,850,718
				LAVOIE, SAMUEL	2,850,726
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				LECOURTOIS, ERIC	2,850,718
				LEEMET, JAAN	2,885,035
				LEIHGEBER, JOSEPH Q.	2,854,535
				LEITCH, OLAN	2,888,825

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LIU, CHU-HENG	2,888,881	ORUBOR, LAWRENCE	2,850,754	SCHMIDT, PAUL	2,885,035
LIU, CHU-HENG	2,888,884	OSTROM, NICHOLAS A.	2,882,419	SCHMITT, STEVEN JOHN	2,883,614
LIU, CHU-HENG	2,888,888	PAAVOLA, ANTTI	2,888,690	SCHWARTZ, YITZHACK	2,889,377
LIU, SHANG YING	2,849,848	PAPAIOANNOU,		SCHWEITZER, JOHN M.	2,887,760
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LU, WEIBING	2,889,374	PARINI, MAURO	2,888,693	SHARMA, CHANDAN KUMAR	2,887,983
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MACDONALD, ANDREW	2,885,141	PARKER, TODD	2,889,226	SHIMIZU, TOSHIKI	2,888,077
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MALLETTE, BERTRAND	2,884,222	PARRISH, VILENA	2,890,059	SHIRAIISHI, MASAHIRO	2,888,077
MARREN, SEAN	2,888,825	PARROT, JEAN-PIERRE	2,850,069	SIMPSON, RICHARD	2,875,285
MARTIN, DANIEL SAEIL	2,886,500	PART, DARREN	2,850,954	SISLER, GORDON	2,888,881
MARTIN, SEAN D.	2,889,367	PATAULT, LOUIS-ANDRE	2,850,718	SISLER, GORDON	2,888,884
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MAXAM METAL PRODUCTS		PEACOCK, MARK	2,885,660	SKIBINSKI, DAN	2,889,227
LIMITED	2,897,661	PERREAU, ERIC	2,850,726	SMITH, LAWRENCE J.	2,876,625
MAYO, JAMES D.	2,888,881	PETITJEAN, BENOIT PHILIPPE	2,888,726	SNAP-ON INCORPORATED	2,879,594
MCCARRON, ANDREW		PIHLER, TODD	2,896,527	SOLIE, LEONARD	2,850,770
KELLER	2,850,816	PIONEER HI-BRED		SOLODOVNIK, EUGENE V.	2,882,057
MCCULLOUGH, DAVID	2,885,757	INTERNATIONAL, INC.	2,903,328	SONG, GUIQIN, GAIL	2,888,881
MCDOWELL, DESTREY C.	2,888,825	POPA, RAZVAN	2,887,788	SONG, GUIQIN, GAIL	2,888,884
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MORAN, JOHN L.	2,888,181	RASAL, ABUZAFOR	2,885,141	STIMLINE AS	2,864,254
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MORRIS, PATRICK ANDREW	2,890,557	BHAGEERATH	2,887,833	SUCHY, STEVEN A.	2,889,686
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MUNK, CLAYTON LYNN	2,882,482	REEK, JOOST	2,889,601	SURYO, RONALD	2,901,786
MUNK, CLAYTON LYNN	2,883,046	REEK, JOOST	2,889,602	TANGOE, INC.	2,885,035
MUNK, CLAYTON LYNN	2,883,614	REID, ERIC M.	2,882,466	TECHNOSLIPS INC.	2,889,560
NATIONAL PRESTO		REID, ERIC M.	2,882,482	TELEBRANDS CORP.	2,881,865
INDUSTRIES, INC.	2,888,012	REID, ERIC M.	2,882,485	TELEBRANDS CORP.	2,881,888
NETI, PRABHAKAR	2,887,833	REID, ERIC M.	2,883,046	TESSIER, JACQUES	2,887,406
NEWAGE PRODUCTS INC.	2,889,400	REID, ERIC M.	2,883,614	THALES	2,889,419
NG, PHILIP	2,850,673	REID, ERIC M.	2,886,500	THALES	2,889,902
NIE, FANGJIE	2,889,356	REMEMBORINES INC.	2,888,454	THAYER, BRUCE EARL	2,888,876
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DEVINDER	2,901,033	ROYER, REAL	2,850,199	THE BOEING COMPANY	2,882,485
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AAA SCREENS PTY LTD	2,903,563	AHLQVIST, ROBERT	2,909,009	AMAZON TECHNOLOGIES,	
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ABBOTT DIABETES CARE		LIMITED	2,909,530	ANDERSECK, RALF	2,909,202
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ABBOTT MEDICAL OPTICS		LIMITED	2,909,533	ANDERSEN, NIELS ULRIK	2,909,424
INC.	2,909,697	AIRBUS OPERATIONS		ANDERSEN, PER JUST	2,909,983
ABBVIE INC.	2,909,066	LIMITED	2,909,535	ANDERSKEWITZ, RALF	2,903,569
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ABBVIE INC.	2,909,938	LIMITED	2,909,540	ANDERSON, JOHN	2,903,563
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AHMED	2,909,956	LIMITED	2,909,542	ANDRE, MARC	2,909,914
ABE, TOSHIO	2,909,484	AIRCELLE	2,909,791	ANDREASSEN, ERIK	2,909,789
ABENDSCHEIN, ANDREW		AIRXPANDERS, INC.	2,909,600	ANDREAU-WIEDENMAIER,	
LOUIS	2,909,483	AITCIN, XAVIER-PIERRE	2,909,508	ANNABELLE	2,909,130
ABO-HAMMOUR, ZAER	2,909,201	AKOULITCHEV, ALEXANDRE	2,910,006	ANDRESS, DENNIS	2,909,871
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IAN	2,909,428	AKUZAWA, NORIO	2,909,794	ANDRIVON, PIERRE	2,909,006
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BERNOCCHI, ANDREA	2,909,572	BOEHRINGER INGELHEIM		BRUCKNER, JAN	2,909,159
BERRIC, GUILLAUME	2,907,698	INTERNATIONAL GMBH	2,903,569	BRUHNKE, ULRICH	2,909,197
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ANTONIN	2,908,535	BOGAJO, JUAN-JOSE	2,909,350	BRUIN, RONALD JOHN	2,909,049
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BHAT, BALKRISHEN	2,909,868	BONNET, ANTHONY	2,909,485	BULOW, NORBERT	2,909,628
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PAUL CRAEMER GMBH	2,909,829	PILET, MARIE-FRANCE	2,909,790	PUPPALA, RAVIKUMAR	2,909,519
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PAUTSCH, ALEXANDER	2,903,569	PISELLI, CAROLINE R.	2,909,774	CHRISTOPHER	2,909,690
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PAYPAL, INC.	2,909,278	PLUCHINO, JOSEPH	2,908,813	QBIOTICS LIMITED	2,909,653
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SIGNAL PHARMACEUTICALS,		SOPPIMATH, KUMARESH	2,908,857	STOKOL, ALAN B.	2,908,871
LLC	2,909,579	SORENSEN, BJORN O.	2,909,583	STOLLER, CHRISTIAN	2,909,088
SIGNAL PHARMACEUTICALS,		SORENSEN, JAMES		STOLZENBACH, JAMES C.	2,909,871
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ZHOU, YE

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