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# The Patent

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du Bureau des brevets



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# THE CANADIAN PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle  
Commissioner of Patents

Johanne Bélisle  
Commissaire aux brevets

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

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:

None

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

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

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

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

### Licences obligatoires

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

## 7. Brevets disponibles pour licence ou vente

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

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

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

Aucun

## 9. Applications Open to Public Inspection

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

## 10. Language of Published Documents

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

## 11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1708*
For each additional sheet over 30	\$19
3. International Search Fee	\$1600

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

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

## 9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

## 10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

## 11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1708 \$*
Pour chaque feuille au delà de 30	19 \$
3. Taxe de recherche internationale	1600 \$

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

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

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

### 4. Late payment fee

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

### Preliminary Examination

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

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

\* International fees will be reduced by:

- **\$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **\$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

## 12. PCT Notices

### Patent Cooperation Treaty (PCT)

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

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

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

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

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

### 4. Taxe pour paiement tardif

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

### Examen préliminaire

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

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

\* Les frais seront réduits de:

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

## 12. Avis PCT

### Traité de Coopération en matière de brevets (PCT)

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

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

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

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

### 13. Practice Notice

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

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

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

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

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

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

### 13. Énoncé de pratique

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

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

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

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

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

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

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

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

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

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

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

## 14. Correspondence Procedures

June 20, 2017

1. [Physical Delivery of Correspondence to CIPO](#)
2. [Electronic Correspondence](#)
3. [Details concerning the electronic formats accepted](#)
4. [General Information](#)
5. [Statutory Holidays](#)
6. [Procedures in case of an unexpected Office closure at CIPO](#)
7. [Procedures when CIPO is open for business but clients are unable to communicate with the Office](#)
8. [Intellectual property acts, rules and regulations](#)

**This notice will replace all previous notices regarding Correspondence Procedures.**

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

### 1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

## 14. Procédures de correspondance

le 20 juin, 2017

1. [Livraison en personne de correspondance à l'OPIC.](#)
2. [Correspondance électronique](#)
3. [Précisions concernant les formats électroniques acceptés](#)
4. [Renseignements généraux](#)
5. [Jours fériés](#)
6. [Procédures en cas de fermeture des bureaux](#)
7. [Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture](#)
8. [Lois, règles et règlements sur la propriété intellectuelle](#)

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

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

### 1. Livraison en personne de correspondance à l'OPIC

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

## Avis

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

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

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

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

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

### 1.1 Designated Establishments

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

1. Innovation, Science and Economic Development  
Canada  
C.D. Howe Building  
235 Queen Street, Room S-143  
Ottawa ON K1A 0H5  
Tel.: 343-291-3436  
  
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday
2. Innovation, Science and Economic Development  
Canada  
Sun Life Building  
1155 Metcalfe Street, Room 950  
Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

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

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

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

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

Téléchargez le [formulaire de paiements](#).

### 1.1 Établissements désignés

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

1. Innovation, Sciences et Développement économique  
Canada  
Édifce C.D. Howe  
235, rue Queen, pièce S-143  
Ottawa (Ontario) K1A 0H5  
Tél. : 343-291-3436  
  
8 h 30 à 16 h 30 (heure locale) du lundi au vendredi
2. Innovation, Sciences et Développement économique  
Canada  
Édifce Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6

## Notices

Tel.: 514-496-1797  
Toll-free: 1-888-237-3037

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

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

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

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

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

5. Innovation, Science and Economic Development  
Canada  
Library Square  
300 West Georgia Street, Suite 2000  
Vancouver BC V6B 6E1  
Tel.: 604-666-5000

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

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

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

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

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797  
Sans frais : 1-888-237-3037

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

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

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

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

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

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

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

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

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

### 1.2. Services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont des

## Avis

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

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

## 2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

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

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

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

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

établissements ou des bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

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

## 2. Correspondance électronique

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

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

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

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

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

## Notices

### 2.1 Facsimile

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

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

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

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

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

### Patents

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

### 2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

### Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register](#)

### 2.1 Correspondance par télécopieur

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

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

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

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

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

### Brevets

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

### 2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

### Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

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

## Avis

- of patent agents; and
- ordering copies in paper, or electronic form of a document.

- des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

### Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

### Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

### Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a

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

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

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

### Marques de commerce

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

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

### Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

## Notices

- [communication signal](#);
- [filing a grant of interest](#);
- [request for certificate of correction](#);
- [ordering copies in paper, or electronic form of a document](#); and
- [general correspondence relating to copyright](#).

- [communication](#);
- [dépôt d'une concession d'intérêt](#);
- [demande de certificat de correction](#);
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur](#).

## Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

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

## Dessins industriels

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

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

## Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

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

## Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

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

## 2.3 Electronic medium

### Patents

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

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

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

## 2.3 Supports électroniques

### Brevets

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

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

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

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application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

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

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

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

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

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

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

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

### Electronic Media accepted by the Patent Office

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

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

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

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

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

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

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

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

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

### Supports électroniques acceptés par le Bureau des brevets

Le Bureau des brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

## Notices

the PCT Administration Instructions.

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

### 3. Details concerning the electronic formats accepted

#### Patents

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

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

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

#### TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 1/2" by 11" or A4.

#### PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

F des Instructions administratives du PCT.

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

### 3. Précisions concernant les formats électroniques acceptés

#### Brevets

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

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

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

#### Format TIFF

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

#### Format PDF

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

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### ASCII

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

### Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

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

#### TIFF Format:

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

#### Photographs in JPEG Format:

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

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

### ASCII

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

### Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

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

#### Format TIFF :

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

#### Photographies en format JPEG :

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

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

## Notices

### 4. General Information

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

### 5. Statutory Holidays

- [Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts](#)
- [Time limits under the Patent and Trade-marks Act](#)
- [Time limits under the Patent Cooperation Treaty](#)
- [Provincial and Territorial Holidays](#)
- [When Patent and Trademarks Offices are closed for business](#)

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

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

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

### 4. Renseignements généraux

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

### 5. Jours fériés

- [Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés](#)
- [Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce](#)
- [Délais prévus dans le Traité de coopération en matière de brevets](#)
- [Jours fériés provinciaux ou territoriaux](#)
- [Jours de fermeture au public des bureaux des brevets et des marques de commerce](#)

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

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

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

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

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

**Time limits under the Patent Cooperation Treaty**

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

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

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

**Délais prévus dans le Traité de coopération en matière de brevets**

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

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

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

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

L'OPIIC 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

## Notices

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

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

### Provincial and Territorial Holidays

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

1. **Alberta:** Third Monday in February (Alberta Family Day)
2. **British Columbia:**
  - o First Monday in August (British Columbia Day)
  - o Second Monday in February (British Columbia Family Day)
3. **New Brunswick:** First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador:**
  - o March 17 (St. Patrick's Day)
  - o April 23 (St. George's Day)
  - o June 24 (Discovery Day)
  - o July 12 (Orangemen's Day)
  - o First Monday in August (Regatta Day)
5. **Nova Scotia:** First Monday in August (Civic Holiday)
6. **Ontario:**
  - o Third Monday in February (Ontario Family Day)
  - o First Monday in August (Civic Holiday)
7. **Prince Edward Island:** First Monday in August (Civic Holiday)
8. **Quebec:** June 24 (St. John the Baptist Day)
9. **Saskatchewan:** First Monday in August (Saskatchewan Day)
10. **Yukon:** Third Monday in August (Discovery Day)

### When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

### Jours fériés provinciaux ou territoriaux

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

1. **Alberta :** troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique :**
  - o premier lundi d'août (Fête de la Colombie-Britannique)
  - o deuxième lundi de février (Jour de Famille de la Colombie –Britannique)
3. **Nouveau-Brunswick :** premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador :**
  - o 17 mars (Fête de la Saint-Patrick)
  - o 23 avril (Fête de la Saint-Georges)
  - o 24 juin (Journée de la Découverte)
  - o 12 juillet (Jour des Orangistes)
  - o Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse :** premier lundi d'août (congé statutaire)
6. **Ontario :**
  - o troisième lundi de février (Jour de la Famille de l'Ontario)
  - o premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Édouard :** premier lundi d'août (congé civique)
8. **Québec :** 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan :** premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon :** troisième lundi d'août (Journée de la Découverte)

### Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

## Avis

- All Saturdays and Sundays
- New Year's Day (January 1)\*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)\*
- Canada Day (July 1)\*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)\*
- Christmas Day (December 25)\*
- Boxing Day (December 26)

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)\*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)\*
- Fête du Canada (1er juillet)\*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)\*
- Jour de Noël (25 décembre)\*
- L'après-Noël (26 décembre)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

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

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

## 6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

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

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

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

## 6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

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

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

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

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé<sup>MC</sup>, par Xpresspost<sup>MC</sup> ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

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deposit account number.

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

### **7. Procedures when CIPO is open for business but clients are unable to communicate with the Office**

#### **Patents, Industrial Design, Copyright and Integrated Circuit Topography**

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

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

#### **Trademarks**

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of \$125 may be required in certain cases.

CIPO notes that [Bill C-59 – Budget Implementation Act 2015](#), which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

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

### **7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture**

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

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

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

#### **Marques de commerce**

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 \$ peut être exigé dans certains cas.

L'OPIC souligne que le [projet de loi C-59 – Loi d'exécution du budget 2015](#), qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

## 8. Intellectual property acts, rules and regulations

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

## 8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)
- [Règlement d'exécution du PCT](#)
- [Règlement sur les marques de commerce](#)

## 15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of January 9, 2018 contains applications open to public inspection from December 24, 2017 to December 30, 2017.

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

La *Gazette du bureau des brevets* du 9 janvier 2018 contient les demandes disponibles au public pour consultation pour la période du 24 décembre 2017 au 30 décembre 2017.

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[25] EN

[54] **SYSTEM AND METHOD FOR COLLECTION, DISTRIBUTION, AND USE OF INFORMATION IN CONNECTION WITH COMMERCIAL REAL ESTATE**

[54] **SYSTEME ET METHODE DE COLLECTE, DE DISTRIBUTION ET D'UTILISATION D'INFORMATION A DES FINS IMMOBILIERES COMMERCIALES**

[72] FLORANCE, ANDREW, US

[72] SCHAFFEL, DAVID, US

[72] VIOLAGIS, CONSTANTINE, US

[72] FOSTER, BRUCE, US

[72] HAMLIN, HARLIN, US

[72] CHOI, JOHN, US

[72] BULKIN, VLADIMIR, US

[72] STROMAN, ROBERT, US

[72] NEWMISTER, MARK, US

[72] GLICK, MICHAEL, US

[73] COSTAR REALTY INFORMATION, INC., US

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[22] 2001-02-23

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[30] US (09/693,988) 2000-10-23

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[13] C

[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/90 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR DIRECTED CLONING AND SUBCLONING USING HOMOLOGOUS RECOMBINATION**

[54] **PROCEDES ET COMPOSITIONS POUR LE CLONAGE ET LE SOUS-CLONAGE DIRIGES UTILISANT LA RECOMBINAISON HOMOLOGUE**

[72] STEWART, A. FRANCIS, DE

[72] ZHANG, YOUMING, DE

[72] MUYRERS, JOEP PIETER PAUL, NL

[73] THE EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE

[85] 2001-12-27

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[51] **Int.Cl. C12N 15/12 (2006.01) A01K 67/027 (2006.01) A61K 38/16 (2006.01) C07K 14/715 (2006.01) C07K 16/18 (2006.01) C12N 5/10 (2006.01) C12N 15/86 (2006.01) G01N 33/50 (2006.01)**

[25] EN

[54] **THYMIC STROMAL LYMPHOPOIETIN RECEPTOR MOLECULES AND USES THEREOF**

[54] **MOLECULES DE RECEPTEUR DE LYMPHOPOIETINE DE STROMA THYMIQUE ET UTILISATIONS DE CELLES-CI**

[72] SARIS, CHRISTIAAN M., US

[72] CHANG, MING-SHI, TW

[73] AMGEN INC., US

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[25] EN

[54] **MODIFIED ZINC FINGER BINDING PROTEINS**

[54] **PROTEINES DE LIAISON EN DOIGT DE GANT MODIFIEES**

[72] REBAR, EDWARD, US

[72] JAMIESON, ANDREW, US

[73] SANGAMO THERAPEUTICS, INC., US

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[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/82 (2006.01) A61K 38/00 (2006.01)**

[25] EN

[54] **DOUBLE-STRANDED RIBONUCLEIC ACID CONSTRUCTS AND METHODS FOR REDUCING EXPRESSION OF GENES IN PLANTS**

[54] **CONSTRUCTIONS D'ACIDE RIBONUCLEIQUE DOUBLE BRIN ET METHODES POUR REDUIRE L'EXPRESSION DE GENES DANS DES PLANTES**

[72] KOCK, MICHAEL, DE

[72] BAUER, JOERG, DE

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[25] EN

[54] **SYSTEM AND METHOD FOR DETERMINING AN ABUSED SENSOR DURING ANALYTE MEASUREMENT IN A BIOLOGICAL FLUID**

[54] **SYSTEME ET METHODE DESTINEES A DETECTER UN CAPTEUR IMPRECIS PENDANT UNE MESURE D'ANALYTE DANS UN LIQUIDE BIOLOGIQUE**

[72] BURKE, DAVID W., US  
[72] KUHN, LANCE S., US  
[72] MAXWELL, JAMES L., US  
[73] F. HOFFMANN-LA ROCHE AG, CH  
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[13] C

[51] **Int.Cl. A63F 13/70 (2014.01) A63F 13/25 (2014.01)**

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[54] **METHODS AND APPARATUS FOR MONITORING VIDEO GAMES**

[54] **PROCEDES ET APPAREIL DE CONTROLE DE JEUX VIDEO**

[72] WRIGHT, DAVID HOWELL, US  
[72] LAWRENCE, BRADLEY R., III, US  
[72] RAMASWAMY, ARUN, US  
[73] THE NIELSEN COMPANY (US), LLC, US  
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[13] C

[51] **Int.Cl. H04W 28/04 (2009.01) H04L 1/18 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR DYNAMICALLY ALLOCATING HYBRID-AUTOMATIC REPEAT REQUEST PROCESSES**

[54] **PROCEDE ET APPAREIL D'AFFECTION DYNAMIQUE DES PROCESSUS H-ARQ**

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[73] INTERDIGITAL TECHNOLOGY CORPORATION, US  
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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6827 (2018.01) C12Q 1/6858 (2018.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR PREDICTING DRUG RESPONSES**

[54] **PROCEDES ET COMPOSITIONS PERMETTANT DE PREDIRE DES REACTIONS A DES MEDICAMENTS**

[72] RIEDER, MARK J., US  
[72] RETTIE, ALLAN, US  
[73] UNIVERSITY OF WASHINGTON, US  
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[86] 2005-10-17 (PCT/US2005/037058)  
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[51] **Int.Cl. C07D 215/22 (2006.01)**

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[54] **PROCESS OF MAKING CRYSTALLINE TYPE II ARIPIRAZOLE**

[54] **PROCEDE DE FABRICATION D'UN ARIPIRAZOLE TYPE II CRISTALLIN**

[72] ETTEMA, GERRIT JAN BOUKE, NL  
[72] WESTHEIM, RAYMOND JOZEF HUBERTUS, NL  
[72] KALMOUA, FAYSAL, NL  
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[86] 2006-03-16 (PCT/EP2006/002585)  
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[11] **2,616,047**  
[13] C

[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01) A61P 37/04 (2006.01) C07K 16/46 (2006.01) C12N 5/16 (2006.01)**

[25] EN

[54] **PREVENTION AND TREATMENT OF SYNUCLEINOPATHIC AND AMYLOIDOGENIC DISEASE**

[54] **PREVENTION ET TRAITEMENT D'UNE MALADIE SYNUCLEINOPATHIQUE ET AMYLOIDOGENIQUE**

[72] SCHENK, DALE B., US  
[72] MASLIAH, ELIEZER, US  
[72] BUTTINI, MANUEL J., US  
[72] CHILCOTE, TAMIE J., US  
[72] ROCKENSTEIN, EDWARD, US  
[72] GAMES, DORA KATE, US  
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[73] PROTHENA BIOSCIENCES LIMITED, IE  
[85] 2008-01-18  
[86] 2006-07-19 (PCT/US2006/028273)  
[87] (WO2007/012061)  
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[72] ROTH, WAYNE D., US  
[73] LUMINEX CORPORATION, US  
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[25] EN  
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[72] SUTHERLAND, TARA D., AU  
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[72] TRUEMAN, HOLLY, AU  
[72] SRISKANTHA, ALAGACONE, AU  
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[73] E. R. SQUIBB & SONS, L.L.C., US  
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[51] **Int.Cl. C12N 15/09 (2006.01) A01H  
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[25] EN  
[54] **FEEDSTUFFS FOR  
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STEARIDONIC ACID**  
[54] **ALIMENTS D'AQUACULTURE  
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STEARIDONIQUE**  
[72] MILLER, MATTHEW ROBERT, AU  
[72] CARTER, CHRISTOPHER GUY, AU  
[72] NICHOLS, PETER DAVID, AU  
[72] SINGH, SURINDER PAL, AU  
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[72] GREEN, ALLAN GRAHAM, AU  
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AND INDUSTRIAL RESEARCH  
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5/07 (2010.01) A01N 1/02 (2006.01)  
A61P 37/06 (2006.01) A61P 37/08  
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[25] EN  
[54] **COMPOSITION COMPRISING  
PARASITE EGGS AND METHODS  
FOR ISOLATION AND STORAGE  
OF PARASITE EGGS**  
[54] **COMPOSITION CONTENANT DES  
OEUF DE PARASITE ET  
PROCEDES POUR L'ISOLEMENT  
ET LA CONSERVATION D'OEUF  
DE PARASITE**  
[72] KAPEL, CHRISTIAN MOLLIN  
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[72] ROEPSTORFF, ALLAN, DK  
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[73] PARASITE TECHNOLOGIES A/S,  
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[72] SOKAL, ETIENNE, BE  
[72] NAJIMI, MUSTAPHA, BE  
[73] UNIVERSITE CATHOLIQUE DE  
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[51] **Int.Cl. C07H 21/04 (2006.01) C12N 15/31 (2006.01) C12P 19/34 (2006.01)**  
[25] EN  
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[72] DAILEY, PETER, US  
[72] KAWA, DIANE, US  
[72] LU, SHI DA, US  
[73] F. HOFFMANN-LA ROCHE AG, CH  
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[54] **VACUUM SENSOR AND PRESSURE PUMP FOR TETHERLESS BIOPSY DEVICE**  
[54] **CAPTEUR DE VIDE ET POMPE REFOULANTE POUR DISPOSITIF DE BIOPSIE SANS ATTACHE**  
[72] HIBNER, JOHN A., US  
[72] DANNAHER, WILLIAM D., US  
[72] HABERSTICH, WELLS D., US  
[73] DEVICOR MEDICAL PRODUCTS, INC., US  
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[25] EN  
[54] **COMBINATION OF FC.GAMMA.RIIB ANTIBODIES AND CD20-SPECIFIC ANTIBODIES AND METHODS OF USE THEREOF**  
[54] **ASSOCIATION D'ANTICORPS ANTI-FC.GAMMA.RIIB ET D'ANTICORPS ANTI-CD20, ET METHODES D'UTILISATION**  
[72] TUAILLON, NADINE, US  
[72] RANKIN, CHRISTOPHER, US  
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[25] EN  
[54] **GUIDED-MODE RESONANCE SENSORS EMPLOYING ANGULAR, SPECTRAL, MODAL, AND POLARIZATION DIVERSITY FOR HIGH-PRECISION SENSING IN COMPACT FORMATS**  
[54] **CAPTEURS A RESONANCE EN MODE GUIDE EMPLOYANT UNE DIVERSITE ANGULAIRE, MODALE SPECTRALE ET DE POLARISATION POUR UNE DETECTION A HAUTE PRECISION DANS DES FORMATS COMPACTS**  
[72] MAGNUSSON, ROBERT, US  
[72] WAWRO, DEBRA D., US  
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[25] EN  
[54] **PREPARATION OF INACTIVATED ARTIFICIAL ANTIGEN PRESENTING CELLS AND THEIR USE IN CELL THERAPIES**  
[54] **PREPARATION DE CELLULES PRESENTANT L'ANTIGENE ARTIFICIELLES INACTIVEES ET LEUR UTILISATION DANS DES THERAPIES CELLULAIRES**  
[72] CAI, ZELING, US  
[72] MORIARTY, ANN, US  
[72] DEGRAW, JULI, US  
[72] LETURCQ, DIDIER, US  
[72] SHI, WEI-XING, US  
[72] STEGMAN, KAREN KABAT, US  
[72] YUE, XILIAN, US  
[73] JANSSEN PHARMACEUTICA, N.V., BE  
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[87] (WO2008/045286)  
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[11] **2,672,052**  
[13] C

[51] **Int.Cl. C07K 14/005 (2006.01) A61K 39/00 (2006.01)**  
[25] EN  
[54] **COILED-COIL LIPOPEPTIDE HELICAL BUNDLES AND SYNTHETIC VIRUS-LIKE PARTICLES**  
[54] **FAISCEAUX HELICOIDIAUX DE LIPOPEPTIDES BISPIRALE ET PARTICULES DE TYPE VIRUS SYNTHETIQUES**  
[72] BOATO, FRANCESCA, CH  
[72] FREUND, ANNABELLE, CH  
[72] GHASPARIAN, ARIN, CH  
[72] MOEHLE, KERSTIN, CH  
[72] ROBINSON, JOHN A., CH  
[72] THOMAS, RICHARD M., GB  
[73] UNIVERSITAET ZUERICH PROREKTORAT FORSCHUNG, CH  
[85] 2009-06-09  
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[30] EP (06025497.6) 2006-12-09

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[25] EN  
[54] **IMMEDIATE PROTECTION AGAINST PATHOGENS VIA MVA PROTECTION IMMEDIATE CONTRE DES AGENTS PATHOGENES PAR LE VIRUS MVA MODIFIE**  
[72] HOCHREIN, HUBERTUS, DE  
[72] O'KEEFE, MEREDITH, DE  
[73] BAVARIAN NORDIC A/S, DK  
[85] 2009-07-24  
[86] 2008-04-25 (PCT/EP2008/003367)  
[87] (WO2008/131927)  
[30] US (60/924,048) 2007-04-27  
[30] US (60/935,920) 2007-09-06  
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[11] **2,679,632**  
[13] C

[51] **Int.Cl. G05B 19/418 (2006.01) F23N 5/26 (2006.01) G05B 13/02 (2006.01) G05B 23/02 (2006.01) G06F 11/34 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR GENERALIZED PERFORMANCE EVALUATION OF EQUIPMENT USING ACHIEVABLE PERFORMANCE DERIVED FROM STATISTICS AND REAL-TIME DATA**  
[54] **PROCEDE ET APPAREIL POUR UNE EVALUATION GENERALISEE DES PERFORMANCES D'UN EQUIPEMENT, A PARTIR DE PERFORMANCES REALISABLES PROVENANT DE STATISTIQUES ET DE DONNEES EN TEMPS REEL**  
[72] FRANCINO, PETER N., US  
[72] CHENG, XU, US  
[72] HUFF, FREDERICK C., US  
[73] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US  
[85] 2009-08-28  
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[25] EN  
[54] **USE OF STATISTICAL ANALYSIS IN POWER PLANT PERFORMANCE MONITORING**  
[54] **UTILISATION DE L'ANALYSE STATISTIQUE DANS LA SURVEILLANCE DES PERFORMANCES D'UNE CENTRALE ELECTRIQUE**  
[72] CHENG, XU, US  
[72] FRANCINO, PETER N., US  
[72] HUFF, FREDERICK C., US  
[72] SWIRSKI, KONRAD, PL  
[73] EMERSON PROCESS MANAGEMENT POWER & WATER SOLUTIONS, INC., US  
[73] TRANSITION TECHNOLOGIES S.A., PL  
[85] 2009-09-11  
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[13] C

[51] **Int.Cl. C07D 403/04 (2006.01)**  
[25] EN  
[54] **4'-O-SUBSTITUTED ISOINDOLINE DERIVATIVES AND COMPOSITIONS COMPRISING AND METHODS OF USING THE SAME**  
[54] **DERIVES D'ISOINDOLINE 4'-O-SUBSTITUES, COMPOSITIONS RENFERMANT CES DERIVES ET PROCEDES D'UTILISATION ASSOCIES**  
[72] RUCHELMAN, ALEXANDER L., US  
[72] MULLER, GEORGE W., US  
[72] MAN, HON-WAH, US  
[73] CELGENE CORPORATION, US  
[85] 2009-09-16  
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[87] (WO2008/115516)  
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[25] EN  
[54] **MASS SPECTROMETER**  
[54] **SPECTROMETRE DE MASSE**  
[72] GREEN, MARTIN, GB  
[72] WILDGOOSE, JASON LEE, GB  
[72] BROWN, JEFFERY MARK, GB  
[73] MICROMASS UK LIMITED, GB  
[85] 2009-09-25  
[86] 2008-03-26 (PCT/GB2008/001028)  
[87] (WO2008/117040)  
[30] GB (0705730.0) 2007-03-26  
[30] US (60/913,926) 2007-04-25

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[51] **Int.Cl. H02K 24/00 (2006.01)**  
[25] EN  
[54] **ROTOR/STATOR RELATIVE POSITION DETERMINING METHOD AND APPARATUS**  
[54] **METHODE ET DISPOSITIF DE DETERMINATION DE LA POSITION RELATIVE DU ROTOR/DU STATOR**  
[72] JENSEN, RAYMOND VERLE, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2682882)  
[87] (2682882)  
[22] 2009-10-15  
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[25] EN

[54] **CORN PLANTS AND SEED ENHANCED FOR ASPARAGINE AND PROTEIN**

[54] **PLANTES ET GRAINES DE MAIS RENFORCEES EN ASPARAGINE ET EN PROTEINES**

[72] ANDERSEN, SCOTT, US

[72] CROWLEY, JAMES, US

[72] DUFF, STEPHEN M., US

[72] FABBRI, BRADON J., US

[72] QI, QUNGANG, US

[72] QIU, BO-XING, US

[72] SCREEN, STEVEN, US

[73] MONSANTO TECHNOLOGY LLC, US

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[86] 2008-04-18 (PCT/US2008/060721)

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[13] C

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[25] EN

[54] **POUCH USED TO DELIVER MEDICATION WHEN RUPTURED**

[54] **POCHE D'ADMINISTRATION DE MEDICAMENT A LA RUPTURE**

[72] HESSLER, THOMAS R., US

[73] TYCO HEALTHCARE GROUP LP, US

[86] (2685824)

[87] (2685824)

[22] 2009-11-12

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[11] **2,689,072**  
[13] C

[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 30/00 (2012.01)**

[25] EN

[54] **METHODS AND COMPUTER-READABLE MEDIA FOR FACILITATING FORENSIC INVESTIGATIONS OF ONLINE TRANSACTIONS**

[54] **PROCEDES ET SUPPORTS LISIBLES PAR ORDINATEUR POUR FACILITER DES ENQUETES JUDICIAIRES SUR DES TRANSACTIONS EN LIGNE**

[72] BOUCHARD, JEAN, CA

[72] CLARK, DAVID WILLIAM, CA

[72] FORTIER, STEPHANE MAXIME FRANCOIS, CA

[73] BCE INC., CA

[85] 2009-11-30

[86] 2007-12-05 (PCT/CA2007/002189)

[87] (WO2009/070860)

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[13] C

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[25] EN

[54] **METHODS AND COMPOSITIONS FOR INACTIVATING ALPHA 1,6 FUCOSYLTRANSFERASE (FUT8) GENE EXPRESSION**

[54] **PROCEDES ET COMPOSITIONS POUR INACTIVER L'EXPRESSION GENIQUE D'ALPHA-1,6-FUCOSYLTRANSFERASE (FUT 8)**

[72] COLLINGWOOD, TREVOR, US

[72] COST, GREGORY J., US

[73] SANGAMO BIOSCIENCES, INC., US

[85] 2009-12-31

[86] 2008-07-10 (PCT/US2008/008455)

[87] (WO2009/009086)

[30] US (60/959,202) 2007-07-12

[30] US (60/993,624) 2007-09-13

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[11] **2,693,416**  
[13] C

[51] **Int.Cl. A61K 39/395 (2006.01) A61P 37/08 (2006.01)**

[25] EN

[54] **METHODS FOR REDUCING ALLERGIES CAUSED BY ENVIRONMENTAL ALLERGENS**

[54] **PROCEDES POUR REDUIRE DES ALLERGIES PROVOQUEES PAR DES ALLERGENES ENVIRONNEMENTAUX**

[72] WELLS, GEORGE, US

[72] SATYARAJ, EBENEZER, US

[73] NESTEC S.A., CH

[85] 2010-01-06

[86] 2008-07-09 (PCT/US2008/008405)

[87] (WO2009/009061)

[30] US (60/958,845) 2007-07-09

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[13] C

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[25] EN

[54] **METHOD OF EFFICIENTLY ESTABLISHING INDUCED PLURIPOTENT STEM CELLS**

[54] **PROCEDE CONSISTANT A ETABLIR EFFICACEMENT DES CELLULES SOUCHES PLURIPOTENTES INDUITES**

[72] YAMANAKA, SHINYA, JP

[72] TAKAHASHI, KAZUTOSHI, JP

[72] OKITA, KEISUKE, JP

[73] KYOTO UNIVERSITY, JP

[85] 2010-02-04

[86] 2009-06-26 (PCT/JP2009/062173)

[87] (WO2009/157593)

[30] US (61/076,487) 2008-06-27

[30] US (61/095,573) 2008-09-09

[30] US (61/194,700) 2008-09-30

[30] US (61/200,307) 2008-11-25

[30] US (61/209,686) 2009-03-10

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[13] C

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[25] EN  
[54] **CYSTEINE ENGINEERED ANTI-TENB2 ANTIBODIES AND ANTIBODY DRUG CONJUGATES**  
[54] **ANTICORPS ANTI-TENB2 MODIFIES PAR DES CYSTEINES ET CONJUGUES ANTICORPS-MEDICAMENT**  
[72] MAO, WEIGUANG, US  
[72] JUNUTULA, JAGATH REDDY, US  
[72] POLAKIS, PAUL, US  
[73] GENENTECH, INC., US  
[85] 2010-03-04  
[86] 2008-10-16 (PCT/US2008/080102)  
[87] (WO2009/052249)  
[30] US (60/981,411) 2007-10-19

[11] **2,699,567**  
[13] C

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[25] EN  
[54] **N-HYDROXYLSULFONAMIDE DERIVATIVES AS NEW PHYSIOLOGICALLY USEFUL NITROXYL DONORS**  
[54] **DERIVES DE N-HYDROXYLSULFONAMIDE UTILISES COMME NOUVEAUX DONNEURS DE NITROXYLE PHYSIOLOGIQUEMENT UTILES**  
[72] TOSCANO, JOHN P., US  
[72] BROOKFIELD, FREDERICK ARTHUR, GB  
[72] COHEN, ANDREW D., US  
[72] COURTNEY, STEPHEN MARTIN, GB  
[72] FROST, LISA MARIE, GB  
[72] KALISH, VINCENT JACOB, US  
[73] JOHNS HOPKINS UNIVERSITY, US  
[73] CARDIOXYL PHARMACEUTICALS, INC., US  
[85] 2010-03-11  
[86] 2008-09-26 (PCT/US2008/078024)  
[87] (WO2009/042970)  
[30] US (60/995,636) 2007-09-26

[11] **2,700,835**  
[13] C

[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/506 (2006.01) A61P 1/00 (2006.01) A61P 25/00 (2006.01)**  
[25] EN  
[54] **SOLID FORMS OF (S)-ETHYL 2-AMINO-3-(4-(2-AMINO-6-((R)-1-(4-CHLORO-2-(3-METHYL-1H-PYRAZOL-1-YL)PHENYL))-2,2,2-TRIFLUOROETHOXY)-PYRIMIDIN-4-YL)PHENYL)PROPANOATE AND METHODS OF THEIR USE**  
[54] **FORMES SOLIDES DE PROPANOATE DE (S)-ETHYL-2-AMINO-3-(4-(2-AMINO-6-((R)-1-(4-CHLORO-2-O-METHYL-1H-PYRAZOL-1-YL)PHENYL))-2,2,2-TRIFLUOROETHOXY)-PYRIMIDIN-4-YL)PHENYLE)**  
[72] BEDNARZ, MARK S., US  
[72] DE PAUL, SUSAN, CH  
[72] KANAMARLAPUDI, RAMANAIAH C., US  
[72] PERLBERG, ANETT, CH  
[72] ZHANG, HAIMING, US  
[73] LEXICON PHARMACEUTICALS, INC., US  
[85] 2010-03-25  
[86] 2008-09-25 (PCT/US2008/077594)  
[87] (WO2009/042733)  
[30] US (60/975,846) 2007-09-28

[11] **2,701,167**  
[13] C

[51] **Int.Cl. E01C 9/04 (2006.01)**  
[25] EN  
[54] **TRACK COVERING**  
[54] **COUVERTURE DE VOIE**  
[72] NEUMANN, BERNHARD, AT  
[73] GMUNDNER FERTIGTEILE GESELLSCHAFT M.B.H. & CO. KG., AT  
[85] 2010-03-30  
[86] 2008-10-08 (PCT/AT2008/000363)  
[87] (WO2009/049338)  
[30] AT (GM 637/2007) 2007-10-17

[11] **2,703,642**  
[13] C

[51] **Int.Cl. G02F 1/13357 (2006.01) G02B 6/00 (2006.01) G02B 27/48 (2006.01)**  
[25] EN  
[54] **LASER ILLUMINATED BACKLIGHT FOR FLAT PANEL DISPLAYS**  
[54] **RETROECLAIRAGE LASER POUR ECRANS PLATS**  
[72] KARAKAWA, MASAYUKI, US  
[73] DOLBY LABORATORIES LICENSING CORPORATION, US  
[85] 2010-04-23  
[86] 2008-10-27 (PCT/US2008/012178)  
[87] (WO2009/055070)  
[30] US (61/000,475) 2007-10-26

[11] **2,703,851**  
[13] C

[51] **Int.Cl. H04L 29/08 (2006.01) H04W 4/12 (2009.01) H04L 12/58 (2006.01)**  
[25] EN  
[54] **COMMUNICATING INFORMATION IN A SOCIAL NETWORKING WEBSITE ABOUT ACTIVITIES FROM ANOTHER DOMAIN**  
[54] **COMMUNICATION D'INFORMATIONS SUR UN SITE WEB DE MISE EN RESEAU SOCIAL CONCERNANT DES ACTIVITES D'UN AUTRE DOMAINE**  
[72] KENDALL, TIMOTHY A., US  
[72] COHLER, MATTHEW R., US  
[72] ZUCKERBERG, MARK E., US  
[72] JUAN, YUN-FANG, US  
[72] JIN, ROBERT KANG-XING, US  
[72] ROSENSTEIN, JUSTIN M., US  
[72] BOSWORTH, ANDREW G., US  
[72] WONG, YISHAN, US  
[72] D'ANGELO, ADAM, US  
[72] PALIHAPITIYA, CHAMATH M., US  
[73] FACEBOOK, INC., US  
[85] 2010-04-27  
[86] 2008-10-22 (PCT/US2008/080790)  
[87] (WO2009/061617)  
[30] US (60/985,631) 2007-11-05  
[30] US (12/193,705) 2008-08-18

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[13] C

[51] **Int.Cl. C12N 9/54 (2006.01)**  
[25] EN  
[54] **USE AND PRODUCTION OF CITRATE-STABLE NEUTRAL METALLOPROTEASES**  
[54] **UTILISATION ET PRODUCTION DE METALLOPROTEASES NEUTRES STABLES VIS-A-VIS DES CITRATES**  
[72] HOMMES, RONALDUS W. J., US  
[72] LIU, AMY, US  
[72] SHAW, ANDREW, US  
[72] WALLACE, LOUISE, US  
[73] DANISCO US INC., US  
[85] 2010-04-28  
[86] 2008-10-23 (PCT/US2008/080972)  
[87] (WO2009/058661)  
[30] US (60/984,046) 2007-10-31

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[13] C

[51] **Int.Cl. B05D 7/22 (2006.01) B28B 19/00 (2006.01) B28B 21/86 (2006.01)**  
[25] EN  
[54] **METHOD FOR LINING A PIPE ELBOW OR BEND**  
[54] **METHODE DE REVETEMENT INTERIEUR D'UN COUDE OU D'UNE COURBE DE TUYAU**  
[72] ABARCA MELO, RICARDO, CL  
[72] SAN MARTIN CISTERNA, WILFREDO, CL  
[72] RAMIREZ TOLEDO, JAIME, CL  
[73] VULCO S.A., CL  
[85] 2010-05-18  
[86] 2008-12-22 (PCT/AU2008/001894)  
[87] (WO2009/079705)  
[30] CL (3773-2007) 2007-12-21

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[13] C

[51] **Int.Cl. F16L 5/06 (2006.01) B65D 90/00 (2006.01) F17C 13/06 (2006.01)**  
[25] EN  
[54] **BULKHEAD FITTING**  
[54] **ACCESSOIRE DE CLOISON**  
[72] STONE, JON TERENCE, US  
[73] HAYWARD INDUSTRIES, INC., US  
[86] (2709256)  
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[22] 2010-07-08  
[30] US (12/535,076) 2009-08-04

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[13] C

[51] **Int.Cl. G01N 33/48 (2006.01) C12Q 1/02 (2006.01) G01N 33/483 (2006.01)**  
[25] EN  
[54] **IMMUNE SYSTEM MODELING DEVICES AND METHODS**  
[54] **APPAREILS DE MODELISATION DU SYSTEME IMMUNITAIRE ET METHODES**  
[72] YARMUSH, MARTIN L., US  
[72] FREEDMAN, ROBERT, US  
[72] DEL BUFALO, AURELIA, US  
[72] TEISSIER, SILVIA, US  
[72] MEUNIER, JEAN-ROCH, US  
[73] HUREL CORPORATION, US  
[85] 2010-07-12  
[86] 2009-01-10 (PCT/US2009/030686)  
[87] (WO2009/089512)  
[30] US (61/020,310) 2008-01-10

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[13] C

[51] **Int.Cl. F16F 9/44 (2006.01) B60K 5/12 (2006.01) F16F 9/34 (2006.01) F16M 7/00 (2006.01)**  
[25] EN  
[54] **MULTI-STAGE SWITCHABLE INERTIA TRACK ASSEMBLY**  
[54] **ENSEMBLE DE PISTE D'INERTIE COMMUTABLE MULTIETAGE**  
[72] BRADSHAW, JEFF, CA  
[72] HARTGERS, ANDREW, CA  
[73] COOPER-STANDARD AUTOMOTIVE INC., US  
[86] (2713695)  
[87] (2713695)  
[22] 2010-08-23  
[30] US (12/860,192) 2010-08-20

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[11] **2,714,310**  
[13] C

[51] **Int.Cl. H03K 17/96 (2006.01) A47L 15/42 (2006.01) D06F 39/00 (2006.01) F24C 7/08 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR OPERATING AN ELECTRICAL APPLIANCE**  
[54] **METHODE ET DISPOSITIF DE FONCTIONNEMENT D'APPAREIL ELECTRIQUE**  
[72] BAIER, MARTIN, DE  
[73] E.G.O. ELEKTRO-GERATEBAU GMBH, DE  
[86] (2714310)  
[87] (2714310)  
[22] 2010-09-03  
[30] DE (10 2009 048 494.9) 2009-09-25

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[11] **2,714,750**  
[13] C

[51] **Int.Cl. F16L 59/18 (2006.01) F01N 13/08 (2010.01) F01N 13/14 (2010.01) F16L 27/11 (2006.01) F16L 51/02 (2006.01) F16L 59/147 (2006.01) F16L 59/153 (2006.01)**  
[25] EN  
[54] **EXHAUST SYSTEM CONDUIT WITH THERMAL/NOISE INSULATION**  
[54] **CONDUIT DE SYSTEME D'ECHAPPEMENT AVEC ISOLATION THERMIQUE ET ACOUSTIQUE**  
[72] THOMAS, R. WINFIELD, US  
[72] STALCUP, ROBERT F., II, US  
[72] SWANK, SCOTT R., US  
[73] TRU-FLEX, LLC, US  
[86] (2714750)  
[87] (2714750)  
[22] 2010-09-15  
[30] US (12/569,630) 2009-09-29

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[11] **2,715,564**  
[13] C

[51] **Int.Cl. C12N 15/82 (2006.01)**  
[25] EN  
[54] **PLANT GENOMIC DNA FLANKING SPT EVENT AND METHODS FOR IDENTIFYING SPT EVENT**  
[54] **EVENEMENT SPT FLANQUANT L'ADN GENOMIQUE VEGETAL ET PROCEDES D'IDENTIFICATION DE L'EVENEMENT SPT**  
[72] BRINK, KENT, US  
[72] CROWGEY, ERIN, US  
[72] DIETRICH, NINA, US  
[72] HONDRED, DAVID, US  
[72] YOUNG, JOSHUA K., US  
[72] ZHONG, CATHY XIAOYAN, US  
[73] E. I. DUPONT DE NEMOURS & COMPANY, US  
[73] PIONEER HI-BRED INTERNATIONAL, INC., US  
[85] 2010-08-13  
[86] 2009-02-16 (PCT/US2009/034212)  
[87] (WO2009/103049)  
[30] US (61/028,680) 2008-02-14  
[30] US (61/110,018) 2008-10-31  
[30] US (61/111,892) 2008-11-06

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[25] EN  
[54] **REACTIVE POWER REGULATION AND VOLTAGE SUPPORT FOR RENEWABLE ENERGY PLANTS**  
[54] **REGULATION DE PUISSANCE REACTIVE ET PRISE EN CHARGE DE TENSION POUR INSTALLATIONS D'ENERGIE RENOUELABLE**  
[72] CARDINAL, MARK EDWARD, US  
[72] LARSEN, EINAR V., US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2715932)  
[87] (2715932)  
[22] 2010-09-30  
[30] US (12/574,003) 2009-10-06

[11] **2,716,176**  
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[51] **Int.Cl. G01D 7/00 (2006.01) G06Q 30/02 (2012.01) H04L 12/16 (2006.01) H04W 84/18 (2009.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PROVIDING WEB-ENABLED CELLULAR ACCESS TO METER READING DATA**  
[54] **METHODE ET SYSTEME FOURNISSANT UN ACCES CELLULAIRE OPTIMISE WEB AUX DONNEES DE RELEVÉ DE COMPTEUR**  
[72] BLACKWELL, MORRICE D., US  
[72] SCHULTZ, RANDALL L., US  
[72] LOCKER, YARUM, IL  
[73] BADGER METER, INC., US  
[86] (2716176)  
[87] (2716176)  
[22] 2010-09-30  
[30] US (12/572,432) 2009-10-02

[11] **2,716,588**  
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[54] **SKI POLE**  
[54] **BATON DE SKI**  
[72] KARLOF, LARS, NO  
[72] PEDERSEN, SVEIN, NO  
[72] REITEN, ELISE, NO  
[73] SWIX SPORT AS, NO  
[86] (2716588)  
[87] (2716588)  
[22] 2010-10-05  
[30] NO (20093125) 2009-10-09

[11] **2,716,737**  
[13] C

[51] **Int.Cl. F24S 20/67 (2018.01) F24S 80/60 (2018.01) E04D 13/16 (2006.01) E04D 13/18 (2018.01)**  
[25] EN  
[54] **LAYERED CONSTRUCTION WITH TUBE SYSTEM**  
[54] **CONSTRUCTION MULTICOUCHE COMPRENANT UN SYSTEME DE TUBES**  
[72] NYS, MANU, BE  
[72] VERMEIREN, JOHAN, BE  
[72] VERMEIREN, KRISTOF, BE  
[73] M=ECO2 CVBA, BE  
[85] 2010-08-24  
[86] 2009-02-26 (PCT/BE2009/000011)  
[87] (WO2009/105846)  
[30] BE (2008/0110) 2008-02-26

[11] **2,717,527**  
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[51] **Int.Cl. B01J 19/08 (2006.01) C02F 1/46 (2006.01) G10K 15/06 (2006.01) H05H 1/48 (2006.01)**  
[25] EN  
[54] **LIQUID ARC INDUCED CAVITATION (LAIC) SYSTEM**  
[54] **SYSTEME LIQUIDE DE CAVITATION A INDUCTION PAR ARC**  
[72] BRYDEN, ARTHUR DAVID, CA  
[73] BRYDEN, ARTHUR DAVID, CA  
[86] (2717527)  
[87] (2717527)  
[22] 2010-10-13  
[30] US (61/252,958) 2009-10-19

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[13] C

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[25] EN  
[54] **REEL ASSEMBLIES WITH CUSTOMIZABLE AND INTERCHANGEABLE DRUMS**  
[54] **DEVIDOIRS AVEC TAMBOURS SUR MESURE ET INTERCHANGEABLES**  
[72] CHAMBERS, TERRY C., US  
[72] FORRISTER, HERBERT, US  
[73] SOUTHWIRE COMPANY, LLC, US  
[86] (2718022)  
[87] (2718022)  
[22] 2010-10-19  
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[54] **TONNEAU COVER SYSTEM**  
[54] **SYSTEME DE COUVERTURE DE CAISSE**  
[72] RUSHER, RYAN, US  
[72] SPENCER, MIKE, US  
[73] EXTANG CORPORATION, US  
[86] (2718853)  
[87] (2718853)  
[22] 2010-10-26  
[30] US (12/609,203) 2009-10-30

[11] **2,719,321**  
[13] C

[51] **Int.Cl. F27D 19/00 (2006.01)**  
[25] EN  
[54] **A FURNACE, A METHOD FOR OPERATING A FURNACE AND A FURNACE CONTROLLER CONFIGURED FOR THE SAME**  
[54] **APPAREIL DE CHAUFFAGE, METHODE D'UTILISATION D'UN APPAREIL DE CHAUFFAGE ET CONTROLEUR D'APPAREIL DE CHAUFFAGE**  
[72] KOWALD, GERALD W., US  
[72] EASTERLING, DARCY Q., US  
[73] LENNOX INDUSTRIES INC., US  
[86] (2719321)  
[87] (2719321)  
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[30] US (61/295,501) 2010-01-15  
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[54] **IMIDAZOQUINOLINES**

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[72] GEKELER, VOLKER, DE

[72] MAIER, THOMAS, DE

[72] ZIMMERMANN, ASTRID, DE

[72] HOFMANN, HANS-PETER, DE

[72] KULKARNI, SANJEEV A., IN

[72] JAGTAP, ANIL P., IN

[72] CHAURE, GANESH S., IN

[73] 4SC DISCOVERY GMBH, DE

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[54] **CLAMSHELL HEAT EXCHANGER**

[54] **ECHANGEUR DE CHALEUR EN DEUX PARTIES**

[72] MANOHAR, SHAILESH S., US

[72] KOWALD, GLENN W., US

[72] CHERINGTON, FLOYD E., US

[72] PALLER, HANS J., US

[72] WHITESITT, JOHN W., US

[72] ZHANG, JIANMIN, US

[73] LENNOX INDUSTRIES INC., US

[86] (2720820)

[87] (2720820)

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[30] US (61/295,501) 2010-01-15

[30] US (12/834,614) 2010-07-12

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[25] EN

[54] **CYTOTOXIC IMMUNOGLOBULIN**

[54] **IMMUNOGLOBULINE**

**CYTOTOXIQUE**

[72] HIMMLER, GOTTFRIED, AT

[72] MUDDE, GEERT, AT

[72] BAUER, ANTON, AT

[72] REDL, GERDA, AT

[72] RUEKER, FLORIAN, AT

[72] WOZNIAK-KNOPP, GORDANA, AT

[72] WOISETSCHLAEGER,

MAXIMILIAN, CH

[73] F-STAR BIOTECHNOLOGISCHE

FORSCHUNGS- UND

ENTWICKLUNGSGES.M.B.H., AT

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[54] **GLUCOSE BIOCELL**

[54] **BIOPILE A GLUCOSE**

[72] CINQUIN, PHILIPPE, FR

[72] GONDRAN, CHANTAL, FR

[72] GIROUD, FABIEN, FR

[72] COSNIER, SERGE, FR

[73] UNIVERSITE JOSEPH FOURIER, FR

[86] (2721638)

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[30] FR (10/52657) 2010-04-08

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[13] C

[51] **Int.Cl. G01M 99/00 (2011.01) G06Q 40/08 (2012.01) G07C 1/10 (2006.01)**

[25] EN

[54] **A METHOD OF AND SYSTEM FOR**

**DETERMINING AND**

**PROCESSING OBJECT**

**STRUCTURE CONDITION**

**INFORMATION**

[54] **PROCEDE ET SYSTEME POUR**

**DETERMINER ET TRAITER DES**

**INFORMATIONS DE CONDITION**

**DE STRUCTURE D'OBJET**

[72] COLLINS, DEAN, US

[72] MACK NAIR, ERIN, US

[72] KRECHKO, JARED, US

[72] KAPROVE, ADAM, US

[72] EDINGER, HENRY, US

[73] THE TRAVELERS INDEMNITY

COMPANY, US

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[25] EN

[54] **COMPOSITIONS FOR TREATING AN ARTHRITIC CONDITION**

[54] **COMPOSITIONS DESTINEES AU**

**TRAITEMENT D'UNE**

**AFFECTION ARTHRITIQUE**

[72] FOUSSAT, ARNAUD, FR

[72] BRUN, VALERIE, FR

[72] ASNAGLI, HELENE, FR

[72] BELMONTE, NATHALIE, FR

[72] JORGENSEN, CHRISTIAN, FR

[73] TXCELL, FR

[73] UNIVERSITE DE MONTPELLIER 1, FR

[73] CENTRE HOSPITALIER REGIONAL UNIVERSITAIRE DE

MONTPELLIER, FR

[85] 2010-10-27

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[54] **AGGREGATION OF RESOURCES OVER MULTIPLE FRAMES IN A TDD COMMUNICATION SYSTEM**  
[54] **AGREGATION DE RESSOURCES SUR DE MULTIPLES TRAMES DANS UN SYSTEME DE COMMUNICATION TDD**  
[72] RAMESH, RAJARAM, US  
[72] BALACHANDRAN, KUMAR, US  
[72] KOORAPATY, HAVISH, US  
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE  
[85] 2010-10-29  
[86] 2009-04-28 (PCT/IB2009/005410)  
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[30] US (61/048,833) 2008-04-29  
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[51] **Int.Cl. H02K 16/02 (2006.01) F01D 15/10 (2006.01)**  
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[54] **COUNTER-ROTATABLE GENERATOR**  
[54] **GENERATEUR CONTRAROTATIF**  
[72] TOOT, PETER DAVID, US  
[73] GENERAL ELECTRIC COMPANY, US  
[86] (2723349)  
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[25] EN  
[54] **COMPOSITIONS COMPRISING LIPOSOMES, AN ANTIGEN, A POLYNUCLEOTIDE AND A CARRIER COMPRISING A CONTINUOUS PHASE OF A HYDROPHOBIC SUBSTANCE**  
[54] **COMPOSITIONS CONTENANT DES LIPOSOMES, UN ANTIGENE, UN POLYNUCLEOTIDE ET UN TRANSPORTEUR COMPRENANT UNE PHASE CONTINUE D'UNE SUBSTANCE HYDROPHOBE**  
[72] MANSOUR, MARC, CA  
[72] SAMMATUR, LEELADHAR, CA  
[72] MACDONALD, LISA DIANA, CA  
[72] KARKADA, MOHAN, CA  
[72] WEIR, GENEVIEVE MARY, CA  
[72] FUENTES-ORTEGA, ANTAR, CA  
[73] IMMUNOVACCINE TECHNOLOGIES INC., CA  
[85] 2010-11-09  
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[25] EN  
[54] **DEVICE AND METHOD FOR SEPARATING AND ANALYZING BLOOD**  
[54] **DISPOSITIF ET PROCEDE POUR SEPARER ET ANALYSER LE SANG**  
[72] BIESBROUCK, GERARDUS MAJELLA, NL  
[72] GLATZ, JOHANNES FREDERICUS CAROLUS, NL  
[73] FABPULOUS B.V., NL  
[85] 2010-11-12  
[86] 2009-05-14 (PCT/NL2009/050260)  
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[25] EN  
[54] **STRATEGIES TO PREVENT AND/OR TREAT IMMUNE RESPONSES TO SOLUBLE ALLOFACTORS**  
[54] **STRATEGIES DE PREVENTION ET/OU DE TRAITEMENT DE REPONSES IMMUNITAIRES DIRIGEES CONTRE DES FACTEURS ALLOGENES SOLUBLES**  
[72] SAINT-REMY, JEAN-MARIE, BE  
[73] LIFE SCIENCES RESEARCH PARTNERS VZW, BE  
[73] KATHOLIEKE UNIVERSITEIT LEUVEN, BE  
[85] 2010-08-13  
[86] 2009-02-16 (PCT/EP2009/051806)  
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[30] EP (08447010.3) 2008-02-14  
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[25] EN  
[54] **METER WITH INTEGRATED HIGH CURRENT SWITCH**  
[54] **DISPOSITIF DE MESURE AVEC COMMUTATEUR DE COURANT HAUTE DENSITE INTEGRE**  
[72] MAKINSON, DAVID N., US  
[72] NARSIDANI, FIROZ, US  
[72] NELSON, KIRBY K., US  
[72] PONTIN, JOSEPH, US  
[72] WORLEY, MICHAEL, US  
[73] ITRON, INC., US  
[85] 2010-11-22  
[86] 2009-05-29 (PCT/US2009/045554)  
[87] (WO2009/146393)  
[30] US (61/057,623) 2008-05-30  
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[25] EN

[54] **ARCHITECTURE OF A COMPRESSOR RECTIFIER**

[54] **ARCHITECTURE D'UN REDRESSEUR DE COMPRESSEUR**

[72] WERY, XAVIER, BE

[72] DERCLAYE, ALAIN, BE

[72] PENALVER CASTRO, ENRIQUE, BE

[73] TECHSPACE AERO S.A., BE

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[51] **Int.Cl. B65B 57/14 (2006.01) B65B 61/20 (2006.01)**

[25] EN

[54] **PACKAGING SYSTEM AND METHOD WITH CONTROLLED DUNNAGE DISPENSING**

[54] **SYSTEME ET PROCEDE D'EMBALLAGE A DISTRIBUTION CONTROLEE DE MATIERE DE CALAGE**

[72] CARLSON, DANIEL L., US

[72] DEIMLING, PAUL F., US

[72] PARK, KEVIN W., US

[72] GABRIELSEN, DEREK M., US

[73] RANPAK CORP., US

[85] 2010-10-08

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[13] C

[51] **Int.Cl. B64D 15/04 (2006.01) B64D 29/00 (2006.01)**

[25] EN

[54] **TURBOMACHINE NACELLE AND ANTI-ICING SYSTEM AND METHOD THEREFOR**

[54] **NACELLE DE TURBOMACHINE ET SYSTEME D'ANTIGIVRAGEE ET METHODE D'UTILISATION**

[72] CALDER, DAVID PATRICK, US

[73] MRA SYSTEMS, LLC, US

[86] (2725696)

[87] (2725696)

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[30] US (12/649,568) 2009-12-30

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[51] **Int.Cl. F17C 13/02 (2006.01) G01G 17/04 (2006.01) G01N 7/00 (2006.01)**

[25] EN

[54] **PRESSURE VESSEL**

[54] **RECIPIENT SOUS PRESSION**

[72] LIEBENBERG, ADRIENNE, GB

[72] TRAUTZ, SIMONE, GB

[73] LINDE AKTIENGESELLSCHAFT, DE

[86] (2725702)

[87] (2725702)

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[13] C

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[25] EN

[54] **TURBOMACHINE NACELLE AND ANTI-ICING SYSTEM AND METHOD THEREFOR**

[54] **NACELLE DE TURBOMACHINE ET SYSTEME D'ANTIGIVRAGE ET METHODE D'UTILISATION**

[72] MAHESHWARI, MAHENDRA, US

[73] MRA SYSTEMS, LLC, US

[86] (2725891)

[87] (2725891)

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[13] C

[51] **Int.Cl. A61M 37/00 (2006.01) H02N 15/00 (2006.01)**

[25] EN

[54] **ELECTROMAGNETIC SUPPORT COIL AND SUBFRAME**

[54] **BOBINE DE SUPPORT ELECTROMAGNETIQUE ET BASE**

[72] GODOY, ARTHUR ALEXANDER, CA

[72] GODOY, STEPHEN ANDREW, US

[73] GODOY, ARTHUR ALEXANDER, CA

[73] GODOY, STEPHEN ANDREW, US

[86] (2726039)

[87] (2726039)

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[11] **2,728,709**  
[13] C

[51] **Int.Cl. E04D 5/02 (2006.01) E04D 12/00 (2006.01)**

[25] EN

[54] **RUBBERIZED ROOF UNDERLAYMENT**

[54] **SOUS-COUCHE DE TOITURE CAOUTCHOUEE**

[72] ZICKELL, THOMAS J., US

[72] KARLIS, JAMES A., US

[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US

[86] (2728709)

[87] (2728709)

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[51] **Int.Cl. B63B 1/24 (2006.01) B63B 39/06 (2006.01)**

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[54] **IMPROVED HYBRID BOAT HULL**

[54] **COQUE DE NAVIRE HYBRIDE AMELIOREE**

[72] DALEY, CARL, US

[72] JESS, PETER E., CA

[73] AEROMARINE INNOVATIONS INC., CA

[86] (2728819)

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[13] C

[51] **Int.Cl. A01N 43/16 (2006.01) A01N 57/20 (2006.01) A01P 13/00 (2006.01)**  
[25] EN  
[54] **COMBINATIONS OF DERIVATIZED SACCHARIDE SURFACTANTS AND ETHERAMINE OXIDE SURFACTANTS AS HERBICIDE ADJUVANTS**  
[54] **COMBINAISONS DE TENSIOACTIFS DE SACCHARIDES DERIVES ET DE TENSIOACTIFS D'OXYDE D'ETHERAMINE COMME ADJUVANTS HERBICIDES**  
[72] SEIFERT-HIGGINS, SIMONE, US  
[72] BATES, CHRISTOPHER I., US  
[72] ABRAHAM, WILLIAM, US  
[73] MONSANTO TECHNOLOGY LLC, US  
[85] 2010-12-30  
[86] 2009-06-30 (PCT/US2009/049170)  
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[13] C

[51] **Int.Cl. B60K 1/00 (2006.01)**  
[25] EN  
[54] **DRIVE SYSTEM FOR ELECTRIC VEHICLES**  
[54] **SYSTEME D'ENTRAINWEMENT POUR VEHICULES ELECTRIQUES**  
[72] SADRMAJLES, HABIB, ZZ  
[72] MOHMEDI, SAEID, ZZ  
[73] M.I.S. ELECTRONICS INC., CA  
[86] (2730566)  
[87] (2730566)  
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[51] **Int.Cl. A47L 9/00 (2006.01) A47L 5/22 (2006.01) A47L 5/28 (2006.01) A47L 9/16 (2006.01) A47L 9/24 (2006.01)**  
[25] EN  
[54] **SURFACE CLEANING APPARATUS WITH ENHANCED OPERABILITY**  
[54] **APPAREIL DE NETTOYAGE DES SURFACES A FONCTIONNALITE AMELIOREE**  
[72] CONRAD, WAYNE ERNEST, CA  
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA  
[86] (2730689)  
[87] (2730689)  
[22] 2011-01-31  
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[13] C

[51] **Int.Cl. A61B 3/00 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR IMAGING THE EYE**  
[54] **APPAREIL ET PROCEDE D'IMAGERIE DE L'OEIL**  
[72] VERDOONER, STEVEN, US  
[73] NEUROVISION IMAGING, LLC, US  
[85] 2011-01-13  
[86] 2009-10-16 (PCT/US2009/061016)  
[87] (WO2010/045564)  
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[72] TERECH, JOHN, US  
[72] PETROVSKI, DUSKO, US  
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[54] **AGENTS DE LIAISON AU PSMA ET SES UTILISATIONS**  
[72] POMPER, MARTIN GILBERT, US  
[72] MEASE, RONNIE CHARLES, US  
[72] CHEN, YING, US  
[73] THE JOHNS HOPKINS UNIVERSITY, US  
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[54] **INHALEURS AVEC DISQUES DE VOIE AERIENNE MUNIS DE CANAUX DE VOIE AERIENNE DISCRETS AINSI QUE DISQUES ET PROCEDES ASSOCIES**  
[72] STRIEBIG, RACHEL, GB  
[72] ALLEN, MATTHEW, GB  
[72] RUCKDESCHER, THOMAS W., US  
[72] BUCKNER, CHARLES A., III, US  
[72] HARRIS, DAVID, GB  
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[72] GOW, ANDREW MURRAY, GB  
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[72] SHEEHAN, PATRICK, US  
[72] ANDERSON, BRUCE, US  
[72] WILSON, DANIEL, CA  
[72] PETERSON, ALDEN LLOYD, US  
[73] INVIDI TECHNOLOGIES CORPORATION, US  
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[54] **COMPOSES ANTICANCEREUX DISTRIBUES DE MANIERE MITOCHONDRIALE**  
[72] NEUZIL, JIRI, AU  
[72] RALPH, STEPHEN JOHN, AU  
[73] CANCURE LIMITED, AU  
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[72] RATICA, ADAM, US  
[73] CARDINALCOMMERCE CORPORATION, US  
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[54] **SYSTEME DE CONTENANTS EMPILABLES A VERROUILLAGE MUTUEL DES CONTENANTS EMPILES**  
[72] KOENIG, ANDREAS, DE  
[72] KUHL, TIMO, DE  
[72] SCHAEFFER, RAIMUND, DE  
[72] WOLLE, LUTZ, DE  
[73] TTS TOOLTECHNIC SYSTEMS AG & CO. KG, DE  
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[72] SMITH, JEREMY C., US  
[72] RIPLEY, RICHARD D., US  
[72] TAYLOR, SCOTT D., US  
[73] POLARIS INDUSTRIES INC., US  
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[54] **OUTIL DE FOND DE PUIT A AIMANT ET METHODE D'ASSEMBLAGE**  
[72] SHOYHETMAN, MICHAEL, CA  
[72] BUDNEY, DAVID, CA  
[72] BUDNEY, CRAIG, CA  
[72] BUDNEY, GLENN, CA  
[73] LEE OILFIELD SERVICE LTD., CA  
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[54] **SYSTEME DE DISTRIBUTION DE DONNEES DE CONTENU SUR UN RESEAU INFORMATIQUE ET PROCEDE D'AGENCEMENT DE NOEUDS POUR UNE DISTRIBUTION DE DONNEES SUR UN RESEAU INFORMATIQUE**  
[72] O'NEAL, MIKE, US  
[72] FRANCIS, JOEL, US  
[72] JOHNSON, TARA, US  
[72] STROUD, BEN, US  
[72] WRIGHT, LANDON, US  
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[72] ROYZEN, ARCADY, US

[73] GE OIL & GAS ESP, INC., US

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[54] **DISPOSITIF ACOUSTIQUE DE REDUCTION DU BRUIT DANS UN SYSTEME DE CHAUFFAGE OU DE REFROIDISSEMENT**

[72] EATON, ERROLL, US

[72] JACKSON, MARK CREE, US

[73] LENNOX INDUSTRIES INC., US

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[54] **COMPOSITION ANTIMICROBIENNE**

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[72] MEDEPALLI, SRILAXMI VENKATA, IN

[73] UNILEVER PLC, GB

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[54] **KIT PERMETTANT D'ATTACHER ET DE LIBERER RAPIDEMENT UN OBJET**

[72] WEIN, MICHAEL, US

[72] ALEXANDER, STEPHEN DOUGLAS, US

[73] THE DUAL MAGNETIC INTERLOCKING PIN SYSTEM, LLC, US

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[72] PARK, JEREMY SCOTT, US

[73] SIMPSON STRONG-TIE COMPANY, INC., US

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[54] **METHODS FOR SEPARATION, CHARACTERIZATION, AND/OR IDENTIFICATION OF MICROORGANISMS USING RAMAN SPECTROSCOPY**

[54] **PROCEDES DE SEPARATION, DE CARACTERISATION ET/OU D'IDENTIFICATION DE MICROORGANISMES A L'AIDE DE SPECTROSCOPIE DE RAMAN**

[72] CLAY, BRADFORD, US

[72] HYMAN, JONES, US

[72] WALSH, JOHN, US

[72] THORPE, THURMAN, US

[72] RONSICK, CHRISTOPHER, US

[73] BIOMERIEUX, INC., US

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[54] **METHOD FOR CONTROLLING STREPTOCOCCUS PNEUMONIAE POLYSACCHARIDE MOLECULAR WEIGHT USING CARBON DIOXIDE**

[54] **PROCEDE DE CONTROLE DU POIDS MOLECULAIRE D'UN POLYSACCHARIDE PROVENANT DE STREPTOCOCCUS PNEUMONIAE EN UTILISANT DU CARBONE**

[72] CRINEAN, JEAN HEATHER, US

[73] WYETH LLC, US

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[54] **AQUEOUS SUSPENSIONS OF FINE-PARTICULATE FILLERS, METHOD FOR THE MANUFACTURE THEREOF AND USE THEREOF FOR THE MANUFACTURE OF PAPERS CONTAINING FILLERS**

[54] **SUSPENSIONS AQUEUSES DE MATIERES DE CHARGE FINES, PROCEDE DE FABRICATION ET UTILISATION DE CES SUSPENSIONS POUR LA FABRICATION DE PAPIERS CONTENANT DES MATIERES DE CHARGE**

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[73] OMYA INTERNATIONAL AG, CH  
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[54] **BOITE PLIANTE**

[72] SCHULD, REINHARD, DE  
[73] BOEHRINGER INGELHEIM PHARMA GMBH & CO. KG, DE  
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[54] **DERIVES D'IMIDAZOPYRIDINE INHIBANT LA SECRETION D'ACIDE GASTRIQUE**

[72] DAHLSTROM, MIKAEL, FI  
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[54] **PLATEAU DE SUTURE**

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[72] CERWIN, ROBERT, US  
[72] HARRISON, JOHN P., US  
[73] ETHICON, INC., US  
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[54] **PACKAGED FROZEN PRECOOKED DOUGH OR BATTER-BASED FOOD PRODUCTS AND METHODS**

[54] **PRODUITS ALIMENTAIRES A BASE DE PATE OU DE PATE A FRIRE PRECUITS, SURGELES ET EMBALLES, ET PROCEDES**

[72] ARTHUR, THOMAS J., US  
[72] FISHBACH, ANITA L., US  
[72] STRANSKY, ANDREA R., US  
[72] ZOSS, ROBERT A., US  
[72] LARSON, BRUCE, US  
[73] GENERAL MILLS MARKETING, INC., US  
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[72] SLOMAN, ROGER MARK, GB  
[73] ADVANCED BLAST & BALLISTIC SYSTEMS LIMITED, GB  
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[54] **SYSTEME ANTIGIVRAGE ET PROCEDE PERMETTANT DE PREVENIR L'ACCUMULATION DE GLACE**

[72] CALDER, DAVID P., US  
[72] HOWARTH, GRAHAM, US  
[73] MRA SYSTEMS, LLC, US  
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[54] **ANTICORPS HUMAINS A GRANDE AFFINITE CONTRE PCSK9**

[72] SLEEMAN, MARK W., US

[72] MARTIN, JOEL H., US

[72] HUANG, TAMMY T., US

[72] MACDONALD, DOUGLAS, US

[73] REGENERON PHARMACEUTICALS, INC., US

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[54] **MEMBRANE BIOPOLYMERE POUR PROTECTION ET REPARATION DE PLAIE**

[72] LI, SHU-TUNG, US

[72] LEE, NATSUYO SHISHIDO, US

[72] YUEN, DEBBIE, US

[73] COLLAGEN MATRIX, INC., US

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[72] LLAMAS SANDIN, RAUL CARLOS, ES

[72] LUQUE BUZO, MIGUEL, ES

[73] AIRBUS OPERATIONS, S.L., ES

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[72] SUAREZ, JOSEPH, US

[72] SCHMITZ, BRIAN, US

[73] MAKO SURGICAL CORP., US

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[54] **3-(3-PYRIMIDIN-2-YLBENZYL)-1,2,4-TRIAZOLO[4,3-B]PYRIDAZINE DERIVATIVES**

[54] **DÉRIVES DE 3-(3-PYRIMIDIN-2-YL-BENZYL)- [1,2,4] TRIAZOLO [4,3-B] PYRIDAZINE**

[72] DORSCH, DIETER, DE

[72] SCHADT, OLIVER, DE

[72] STIEBER, FRANK, DE

[72] BLAUKAT, ANDREE, DE

[73] MERCK PATENT GMBH, DE

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[25] EN

[54] **METHOD AND DEVICE FOR PRODUCING STEEL PIPES HAVING IMPROVED STRENGTH AND TOUGHNESS**

[54] **METHODE ET DISPOSITIF DE PRODUCTION DE TUYAUX EN ACIER AYANT UNE SOLIDITE ET UNE DURETE AMELIOREES**

[72] KLARNER, JUERGEN, AT

[73] VOESTALPINE TUBULARS GMBH & CO KG, AT

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[54] **METHOD AND SYSTEMS FOR AN ENGINE STARTER/GENERATOR**

[54] **PROCEDE ET SYSTEMES POUR UN DEMARREUR/GENERATEUR DE MOTEUR**

[72] XU, LONGYA, US

[72] KARIPIDES, DAVID DIMITRI, US

[72] ABBAS, MOHAMED, US

[72] HUANG, HAO, US

[73] GENERAL ELECTRIC COMPANY, US

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[25] EN  
[54] **MEDICAL IMPLANTS AND METHODS OF MAKING MEDICAL IMPLANTS**  
[54] **IMPLANTS MEDICAUX ET PROCEDES DE FABRICATION ASSOCIES**  
[72] SHAW, WENDY J., US  
[72] YONKER, CLEMENT R., US  
[72] FULTON, JOHN L., US  
[72] TARASEVICH, BARBARA J., US  
[72] MCCLAIN, JAMES, US  
[72] TAYLOR, DOUG, US  
[72] MATSON, DEAN W., US  
[73] BATTELLE MEMORIAL INSTITUTE, US  
[85] 2011-06-23  
[86] 2009-12-28 (PCT/US2009/069603)  
[87] (WO2010/075590)  
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[25] EN  
[54] **CUTTING PLATFORM**  
[54] **PLATE-FORME DE COUPE**  
[72] FUCHTLING, CHRISTIAN, DE  
[73] CLAAS SELBSTFAHRENDE ERNTEMASCHINEN GMBH, DE  
[86] (2748899)  
[87] (2748899)  
[22] 2011-08-10  
[30] DE (102010037131.9) 2010-08-24

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[25] EN  
[54] **CAPSULE AND METHOD FOR PREPARING A BEVERAGE SUCH AS COFFEE FROM SAID CAPSULE**  
[54] **CAPSULE ET METHODE DE PREPARATION D'UNE BOISSON TELLE QU'UN CAFE A PARTIR DE LADITE CAPSULE**  
[72] GERBAULET, ARNAUD, FR  
[72] KOLLEP, ALEXANDRE, CH  
[73] NESTEC S.A., CH  
[85] 2011-07-04  
[86] 2010-11-12 (PCT/EP2010/067383)  
[87] (WO2011/061126)  
[30] EP (09176448.0) 2009-11-19  
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[13] C

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[54] **HEART VALVE**  
[54] **VALVULE CARDIAQUE**  
[72] QUADRI, ARSHAD, US  
[72] RATZ, BRENT J., US  
[73] EDWARDS LIFESCIENCES CARDIAQ LLC, US  
[85] 2011-07-06  
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[30] US (61/136,716) 2008-09-29

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[25] EN  
[54] **DUCKBILL FLIP CAP FITMENT FOR A COLLAPSIBLE CONTAINER**  
[54] **FERMETURE A CAPUCHON BASCULANT EN BEC DE CANARD POUR CONTENANT PLIABLE**  
[72] JOHNSON, JAMES W., US  
[73] LIQUI-BOX CORPORATION, US  
[85] 2011-07-08  
[86] 2010-01-07 (PCT/US2010/020351)  
[87] (WO2010/080897)  
[30] US (61/143,622) 2009-01-09  
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[25] EN  
[54] **PYRROLIDINE TRIPLE REUPTAKE INHIBITORS**  
[54] **INHIBITEURS DE TRIPLE REABSORPTION A BASE DE PYRROLIDINE**  
[72] SHAO, LIMING, US  
[72] MA, JIANGUO, US  
[73] SUNOVION PHARMACEUTICALS INC., US  
[85] 2011-07-08  
[86] 2010-02-05 (PCT/US2010/023344)  
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[30] US (61/151,167) 2009-02-09

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[54] **VIBRATION TRANSMISSION  
ADAPTER FOR A STRING  
MUSICAL INSTRUMENT**  
[54] **ADAPTATEUR DE  
TRANSMISSION DE VIBRATIONS  
POUR INSTRUMENT MUSICAL A  
CORDES**  
[72] ASPRI, ROBERTO, CA  
[73] ASPRI, ROBERTO, CA  
[86] (2749516)  
[87] (2749516)  
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[25] EN  
[54] **TUBULAR CONNECTION WITH  
SELF-LOCKING THREADING  
USED IN THE OIL INDUSTRY**  
[54] **RACCORDEMENT TUBULAIRE  
COMPRENANT UN FILETAGE A  
VERROUILLAGE AUTOMATIQUE  
UTILISE DANS L'INDUSTRIE  
PETROLIERE**  
[72] MARTIN, PIERRE, FR  
[72] VERGER, ERIC, FR  
[73] SUMITOMO METAL INDUSTRIES,  
LTD., JP  
[73] VALLOUREC OIL AND GAS  
FRANCE, FR  
[85] 2011-06-09  
[86] 2009-12-07 (PCT/EP2009/008711)  
[87] (WO2010/069491)  
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[25] EN  
[54] **SILVERWARE, FLATWARE OR  
PARTS WASHER APPARATUS  
AND METHOD THEREOF**  
[54] **APPAREIL POUR LAVER  
L'ARGENTERIE/LE COUVERT OU  
DES PIECES ET SON PROCEDE**  
[72] CANTRELL, JOHN, US  
[72] CHURCHILL, MARK, US  
[72] LICATA, MICHAEL P., US  
[72] GAST, DAVID, US  
[73] UNIFIED BRANDS, INC., US  
[85] 2011-07-18  
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[87] (WO2010/088618)  
[30] US (61/148,795) 2009-01-30  
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[51] **Int.Cl. C12M 1/107 (2006.01)**  
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DEVICE**  
[54] **SYSTEME DE SERVICE POUR  
INSTALLATION DE  
PRODUCTION DE BIOGAZ**  
[72] BIERER, JOHANN, DE  
[72] RABENER, MATTHIAS, DE  
[72] CZWALUK, ANDREAS, DE  
[73] UTS BIOGASTECHNIK GMBH, DE  
[85] 2011-07-21  
[86] 2010-01-21 (PCT/EP2010/000346)  
[87] (WO2010/084003)  
[30] DE (10 2009 005 628.9) 2009-01-21  
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(2006.01) C07D 413/04 (2006.01)  
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[25] EN  
[54] **INHIBITORS OF JUN N-  
TERMINAL KINASE**  
[54] **INHIBITEURS DE L'ENZYME JUN  
N-TERMINAL KINASE**  
[72] SHAM, HING L., US  
[72] KONRADI, ANDREI W., US  
[72] HOM, ROY K., US  
[72] PROBST, GARY D., US  
[72] BOWERS, SIMEON, US  
[72] TRUONG, ANH, US  
[72] NEITZ, R., JEFFREY, US  
[72] SEALY, JENNIFER, US  
[72] TOTH, GERGELY, US  
[73] ELAN PHARMACEUTICALS, INC.,  
US  
[85] 2011-07-28  
[86] 2010-02-05 (PCT/US2010/023404)  
[87] (WO2010/091310)  
[30] US (61/207,126) 2009-02-06  
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[51] **Int.Cl. C07D 237/32 (2006.01) A61K  
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[25] EN  
[54] **PHARMACEUTICAL GRADE  
PHTHALAZINEDIONES,  
PROCESS FOR THEIR  
PREPARATION AND  
PHARMACEUTICAL  
COMPOSITIONS CONTAINING  
THEM**  
[54] **PHTALAZINEDIONES DE  
QUALITE PHARMACEUTIQUE,  
PROCEDE POUR LEUR  
PREPARATION ET  
COMPOSITIONS  
PHARMACEUTIQUES LES  
CONTENANT**  
[72] HENRY, MARK O., US  
[72] LYNN, WILLIAM S., US  
[73] BACH PHARMA, INC., US  
[85] 2011-08-01  
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[25] EN

[54] **SYSTEMS AND METHODS FOR FABRICATION OF SUPERCONDUCTING INTEGRATED CIRCUITS**

[54] **SYSTEMES ET PROCÉDES DE FABRICATION DE CIRCUITS INTEGRES SUPRACONDUCTEURS**

[72] LADIZINSKY, ERIC, US

[72] ROSE, GEORDIE, CA

[72] HILTON, JEREMY P., CA

[72] DANTSKER, EUGENE, US

[72] OH, BYONG HYOP, US

[73] D-WAVE SYSTEMS INC., CA

[85] 2011-08-08

[86] 2010-02-25 (PCT/US2010/025403)

[87] (WO2010/099312)

[30] US (61/156,377) 2009-02-27

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[13] C

[51] **Int.Cl. B25J 9/00 (2006.01) B25J 11/00 (2006.01)**

[25] EN

[54] **SUBMERSIBLE ROBOT FOR OPERATING A TOOL RELATIVE TO A SURFACE OF AN UNDERWATER STRUCTURE**

[54] **ROBOT SUBMERSIBLE SERVANT A FAIRE FONCTIONNER UN OUTIL RELATIVEMENT A UNE SURFACE D'UNE STRUCTURE SOUS-MARINE**

[72] PROVENCHER, LUC, CA

[72] GENDRON, STEPHAN, CA

[72] MORIN, RENE, CA

[72] BLAIN, MICHEL, CA

[73] HYDRO-QUEBEC, CA

[86] (2753640)

[87] (2753640)

[22] 2011-09-29

[30] CA (2,716,451) 2010-10-01

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[11] **2,754,508**  
[13] C

[51] **Int.Cl. A63B 21/008 (2006.01) A63B 23/04 (2006.01)**

[25] EN

[54] **ROTOR WITH VARIABLE HYDRODYNAMIC RESISTANCE FOR A STATIONARY WATER BICYCLE AND RELATED BICYCLE**

[54] **ROTOR A RESISTANCE HYDRODYNAMIQUE VARIABLE POUR UN PEDALO FIXE ET PEDALO ASSOCIE**

[72] DELLE DONNE, DANIELE, IT

[73] ESSENUOTO ITALIA DI DELLE DONNE DANIELE & C. S.A.S., IT

[85] 2011-09-02

[86] 2010-03-04 (PCT/IB2010/000473)

[87] (WO2010/100562)

[30] IT (MI2009A000338) 2009-03-06

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[51] **Int.Cl. G06F 17/00 (2006.01) G06F 3/0484 (2013.01) G06F 17/20 (2006.01)**

[25] EN

[54] **METHODS AND SYSTEMS FOR IDENTIFYING CONTENT ELEMENTS**

[54] **PROCEDES ET SYSTEMES POUR IDENTIFIER DES ELEMENTS DE CONTENU**

[72] SHERKIN, ALEXANDER, CA

[72] BESHAI, PETER GORDON, CA

[72] BIBR, VIERA, CA

[72] SMITH, CHRISTOPHER, CA

[72] VITANOV, KAMEN, CA

[73] BLACKBERRY LIMITED, CA

[86] (2752860)

[87] (2752860)

[22] 2011-09-19

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[51] **Int.Cl. E04F 21/08 (2006.01) B65G 53/46 (2006.01)**

[25] EN

[54] **ROTARY VALVE FOR BLOWING INSULATION MACHINE**

[54] **VALVE ROTATIVE POUR MACHINE D'ISOLATION PAR SOUFFLAGE**

[72] EVANS, MICHAEL, US

[72] RELYEA, CHRISTOPHER, US

[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US

[85] 2011-08-31

[86] 2010-03-12 (PCT/US2010/027131)

[87] (WO2010/105150)

[30] US (61/159,616) 2009-03-12

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[25] EN

[54] **REMOTE GARAGE DOOR MONITORING SYSTEM**

[54] **SYSTEME DE SURVEILLANCE A DISTANCE DE PORTE DE GARAGE**

[72] STYERS, JUSTIN R., US

[72] MCDOWELL, RYAN H., US

[73] STYERS, JUSTIN R., US

[73] MCDOWELL, RYAN H., US

[86] (2754616)

[87] (2754616)

[22] 2006-01-17

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[30] US (11/051,737) 2005-02-04

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[25] EN

[54] **SELF-HEATING SYSTEMS AND METHODS FOR RAPIDLY HEATING A COMESTIBLE SUBSTANCE**

[54] **SYSTEMES AUTO-CHAUFFANTS ET PROCEDES POUR LE CHAUFFAGE RAPIDE D'UNE SUBSTANCE COMESTIBLE**

[72] FORD, JOHN, US

[72] LUND, DOUGLAS, US

[73] HEAT WAVE TECHNOLOGIES, LLC, US

[85] 2011-09-08

[86] 2010-03-09 (PCT/US2010/026721)

[87] (WO2010/104889)

[30] US (12/400,730) 2009-03-09

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[54] **SELF-HEATING SYSTEMS**

[54] **SYSTEMES AUTO-CHAUFFANTS**

[72] FARONE, WILLIAM, US

[72] PALMER, TRACY, US

[73] HEAT WAVE TECHNOLOGIES, LLC, US

[85] 2011-09-08

[86] 2010-03-09 (PCT/US2010/026727)

[87] (WO2010/104894)

[30] US (12/400,725) 2009-03-09

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[13] C

[51] **Int.Cl. H01L 31/055 (2014.01) G02B 6/10 (2006.01)**

[25] EN

[54] **STIMULATED EMISSION LUMINESCENT LIGHT-GUIDE SOLAR CONCENTRATORS**

[54] **CONCENTRATEUR SOLAIRE A GUIDES DE LUMIERE LUMINESCENTE A EMISSION STIMULEE**

[72] MORGAN, JOHN PAUL, CA

[72] CHANG, PHILIP M., CA

[72] MYRSKOG, STEFAN H.S., CA

[73] MORGAN SOLAR INC., CA

[85] 2011-09-09

[86] 2010-03-12 (PCT/CA2010/000363)

[87] (WO2010/102408)

[30] CA (2,658,193) 2009-03-12

[30] US (61/298,460) 2010-01-26

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[11] **2,756,369**  
[13] C

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[25] EN

[54] **AN ARRANGEMENT FOR MANAGING WIRELESS COMMUNICATION BETWEEN DEVICES**

[54] **AGENCEMENT POUR GERER UNE COMMUNICATION SANS FIL ENTRE DISPOSITIFS**

[72] SCHULTZ, JOHN, AU

[72] WOOD, CHRISTOPHER, AU

[72] CARRIG, PHILIP, AU

[73] XPED HOLDINGS PTY LTD, AU

[85] 2011-09-22

[86] 2010-03-26 (PCT/AU2010/000358)

[87] (WO2010/108235)

[30] AU (2009901298) 2009-03-26

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[54] **IMIDAZO [2,1-B] [1,3,4] THIADIAZOLE DERIVATIVES**

[54] **DERIVES D'IMIDAZO[2,1-B][1,3,4]THIADIAZOLE**

[72] PASTOR FERNANDEZ, JOAQUIN, ES

[72] KURZ, GUIDO, ES

[72] MARTINEZ GONZALEZ, SONIA, ES

[73] FUNDACION CENTRO NACIONAL DE INVESTIGACIONES ONCOLOGICAS CARLOS III, ES

[85] 2011-09-27

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[30] EP (09380069.6) 2009-04-02

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[25] EN

[54] **MICROPARTICULATED VACCINES FOR THE ORAL OR NASAL VACCINATION AND BOOSTERING OF ANIMALS INCLUDING FISH**

[54] **VACCINS MICROPARTICULAIRES UTILISABLES POUR PROCEDER A UNE VACCINATION ET A DES RAPPELS PAR VOIE ORALE OU NASALE CHEZ LES ANIMAUX, DONT LES POISSONS**

[72] HAREL, MOTI, US

[72] CARPENTER, BRIAN, US

[73] INTERVET INTERNATIONAL B.V., NL

[85] 2011-09-27

[86] 2010-03-26 (PCT/US2010/028767)

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[30] US (61/163,910) 2009-03-27

[30] US (61/294,672) 2010-01-13

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[13] C

[51] **Int.Cl. C12Q 1/6876 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/682 (2018.01) C12Q 1/6844 (2018.01) C12M 1/34 (2006.01) C12P 19/34 (2006.01)**

[25] EN

[54] **CHEMICAL LIGATION DEPENDENT PROBE AMPLIFICATION (CLPA)**

[54] **AMPLIFICATION DE SONDE DEPENDANTE D'UNE LIGATURE CHIMIQUE**

[72] TERBRUEGGEN, ROBERT, US

[73] DXTERITY DIAGNOSTICS INCORPORATED, US

[85] 2011-09-29

[86] 2010-03-29 (PCT/US2010/000949)

[87] (WO2010/114599)

[30] US (61/165,839) 2009-04-01

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[13] C

[51] **Int.Cl. H01M 8/18 (2006.01) H01M 8/04186 (2016.01) H01M 8/2455 (2016.01)**

[25] EN

[54] **FUEL SYSTEM USING REDOX FLOW BATTERY**

[54] **SYSTEME D'ALIMENTATION UTILISANT UNE BATTERIE A FLUX REDOX**

[72] CHIANG, YET-MING, US

[72] BAZZARELLA, RICARDO, CA

[73] 24M TECHNOLOGIES, INC., US

[85] 2011-10-06

[86] 2010-04-06 (PCT/US2010/030136)

[87] (WO2010/118060)

[30] US (61/166,958) 2009-04-06

[30] US (61/235,859) 2009-08-21

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[13] C

[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/395 (2006.01) A61P 35/00 (2006.01) C07D 403/04 (2006.01) C07D 405/14 (2006.01) C07D 409/04 (2006.01) C07D 417/04 (2006.01)**

[25] EN

[54] **PYRUVATE KINASE M2 MODULATORS, THERAPEUTIC COMPOSITIONS AND RELATED METHODS OF USE**

[54] **MODULATEURS DE PYRUVATE KINASE M2, COMPOSITIONS THERAPEUTIQUES ET METHODES D'UTILISATION ASSOCIEES**

[72] SALITURO, FRANCESCO G., US

[72] SAUNDERS, JEFFREY O., US

[73] AGIOS PHARMACEUTICALS, INC., US

[85] 2011-10-06

[86] 2010-04-06 (PCT/US2010/030139)

[87] (WO2010/118063)

[30] US (61/167,017) 2009-04-06

[30] US (61/233,470) 2009-08-12

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[13] C

[51] **Int.Cl. F24F 11/74 (2018.01) F24F 11/43 (2018.01) F24F 11/56 (2018.01) F24F 11/76 (2018.01) F24F 11/77 (2018.01) F24F 3/14 (2006.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR OPERATING AND MONITORING DEHUMIDIFIERS**

[54] **SYSTEMES ET PROCEDES POUR ACTIONNER ET SURVEILLER DES DESHUMIDIFICATEURS**

[72] PENDERGRASS, ROBERT, US

[72] MILLER, MATTHEW, US

[72] SCHNELLE, TOM, US

[72] WHITE, LARRY, US

[73] DRI-EAZ PRODUCTS, INC., US

[85] 2011-10-06

[86] 2010-04-26 (PCT/US2010/032439)

[87] (WO2010/129232)

[30] US (61/173,128) 2009-04-27

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[11] **2,758,406**  
[13] C

[51] **Int.Cl. H04W 16/14 (2009.01) H04W 72/02 (2009.01)**

[25] EN

[54] **SPECTRUM ASSIGNMENT FOR NETWORKS OVER WHITE SPACES AND OTHER PORTIONS OF THE SPECTRUM**

[54] **ATTRIBUTION DE SPECTRE POUR RESEAUX SUR DES ESPACES BLANCS ET D'AUTRES PARTIES DU SPECTRE**

[72] CHANDRA, RANVEER, US

[72] MOSCIBRODA, THOMAS, US

[72] MURTY, ROHAN N., US

[72] BAHL, PARAMVIR, US

[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US

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[86] 2010-05-28 (PCT/US2010/036756)

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[51] **Int.Cl. G01M 15/14 (2006.01) B64D 45/00 (2006.01) F01D 25/18 (2006.01) F01M 11/10 (2006.01) F02C 7/06 (2006.01)**

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[54] **METHOD FOR MONITORING THE OIL SYSTEM OF A TURBOMACHINE**

[54] **METHODE DE SURVEILLANCE DU SYSTEME D'HUILE D'UNE TURBOMACHINE**

[72] RAIMARCKERS, NICOLAS, BE

[72] CORNET, ALBERT, BE

[72] CHARLIER, JACQUES, BE

[72] STRENGNART, MARC, BE

[73] TECHSPACE AERO S.A., BE

[86] (2758435)

[87] (2758435)

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[30] EP (10192394.4) 2010-11-24

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[54] **METHODS FOR IMPROVING PHARMACOKINETICS**

[54] **PROCEDES D'AMELIORATION DE PHARMACOCINETIQUE**

[72] TRAN, JONATHAN Q., US

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

[85] 2011-10-13

[86] 2010-04-22 (PCT/EP2010/055317)

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[25] FR

[54] **SENSOR AND METHOD FOR MEASURING THE SURFACE LEVEL OF A LIQUID PHASE METAL**

[54] **CAPTEUR ET PROCEDE DE MESURE DE NIVEAU DE LA SURFACE D'UN METAL EN PHASE LIQUIDE**

[72] DUSSUD, MICHEL, FR

[73] AVEMIS, FR

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[54] **PRODUCTION OF FATTY ACID ESTERS**

[54] **PRODUCTION D'ESTERS D'ACIDES GRAS**

[72] SANCHEZ-RIERA, FERNANDO, US

[72] DEL CARDAYRE, STEPHEN B., US

[72] VALLE, FERNANDO, US

[73] REG LIFE SCIENCES, LLC, US

[85] 2011-10-19

[86] 2010-04-27 (PCT/US2010/032580)

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[25] EN

[54] **SYSTEMS AND METHOD FOR ASSESSING FUNCTIONALITY OF DUAL CHECK VALVE ARRANGEMENTS IN MEDICAL TUBING SETS**

[54] **SYSTEMES ET PROCEDE D'EVALUATION DE LA FONCTIONNALITE D'AGENCEMENTS DE DEUX SOUPAPES DE RETENUE DANS DES ENSEMBLES DE TUBES MEDICAUX**

[72] STROBL, GEOFFREY S., US

[73] LIEBEL-FLARSHEIM COMPANY LLC, US

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[86] 2010-09-28 (PCT/US2010/050491)

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[54] **CAPTURE, REMOVAL, AND DISPOSAL OF RADIOACTIVE SPECIES IN AN AQUEOUS SOLUTION**

[54] **CAPTURE, EXTRACTION ET ELIMINATION D'ESPECES CHIMIQUES RADIOACTIVES DANS UNE SOLUTION AQUEUSE**

[72] FRATTINI, PAUL L., US

[72] ASAY, ROGER HOWARD, US

[72] FRUZZETTI, KEITH PAUL, US

[72] GARCIA, SUSAN ELAINE, US

[72] YENGOYAN, LEON, US

[72] EDWARDS, LISA MAXINE, US

[73] ELECTRIC POWER RESEARCH INSTITUTE, INC., US

[86] (2760420)

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[54] **SILICONE BREAST IMPLANT DELIVERY**

[54] **INTRODUCTION D'UN IMPLANT MAMMAIRE EN SILICONE**

[72] PRIESSMAN, HOWARD E., US

[73] KELLER MEDICAL, INC., US

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[54] **CLOSURE ASSEMBLY**

[54] **ENSEMBLE DE FERMETURE**

[72] DUNWOODY, PAUL ROBERT, GB

[73] CROWN PACKAGING TECHNOLOGY, INC., US

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[54] **METHOD FOR DETERMINING THE CARDIO-GENERATIVE POTENTIAL OF MAMMALIAN CELLS**

[54] **PROCEDE DE DETERMINATION DU POTENTIEL CARDIO-GENERATEUR DE CELLULES DE MAMMIFERES**

[72] TERZIC, ANDRE, US

[72] BEHFAR, ATTA, US

[72] GORDON-BERESFORD, ROLAND, BE

[72] GAUSSIN, VINCIANE, BE

[72] HOMSY, CHRISTIAN, BE

[73] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US

[73] CELYAD S.A., BE

[85] 2011-11-10

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[25] EN

[54] **SUBSTITUTED 1-(BIPHENYL-4-YL)-2-BENZYL-4-HYDROXYALKYL-1H-IMIDAZOLE COMPOUNDS AND THEIR USE AS LXR MODULATORS**

[54] **COMPOSES DE 1-(BIPHENYL-4-YL)-2-BENZYL-4-HYDROXYALKYL-1H-IMIDAZOLE SUBSTITUE ET LEUR UTILISATION COMME MODULATEUR LXR**

[72] BUSCH, BRETT B., US

[72] STEVENS, WILLIAM C., JR., US

[72] KICK, ELLEN K., US

[72] ZHANG, HAIYING, US

[72] BOLLU, VENKATAIAH, US

[72] MARTIN, RICHARD, US

[72] MOHAN, RAJU, US

[73] EXELIXIS PATENT COMPANY LLC, US

[73] BRISTOL-MYERS SQUIBB COMPANY, US

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[54] **ACCESSOIRES D'INJECTEUR SANS AIGUILLE**  
[72] MENASSA, KARIM, CA  
[73] MEDICAL INTERNATIONAL TECHNOLOGIES (MIT CANADA) INC., CA  
[85] 2011-11-15  
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[13] C

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[25] EN  
[54] **PROCESS FOR EXTRACTING FATTY ACIDS FROM AQUEOUS BIOMASS IN A MEMBRANE CONTACTOR MODULE**  
[54] **PROCEDE POUR EXTRAIRE DES ACIDES GRAS A PARTIR D'UNE BIOMASSE AQUEUSE DANS UN MODULE CONTACTEUR A MEMBRANE**  
[72] MIRANDA, ANDREIA MANUELA MARTINS, NO  
[72] TORP, EDDY G., NO  
[72] AASEN, INGA MARIE, NO  
[72] LIVINGSTON, ANDREW GUY, GB  
[73] DUE MILJO AS, NO  
[85] 2011-11-15  
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[30] NO (20092243) 2009-06-10

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[13] C

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[25] EN  
[54] **OPTIMIZATION OF NEUTRON-GAMMA TOOLS FOR INELASTIC GAMMA-RAY LOGGING**  
[54] **OPTIMISATION D'INSTRUMENTS EMETTEURS DE NEUTRON-GAMMA POUR DIAGRAPHIE A RAYON GAMMA INELASTIQUE**  
[72] STEPHENSON, KENNETH E., US  
[72] ROSE, DAVID, US  
[72] TKABLADZE, AVTANDIL, US  
[72] STOLLER, CHRISTIAN, US  
[72] SIMONETTI, JOHN J., US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2011-11-21  
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[87] (WO2010/135618)  
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[13] C

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[25] EN  
[54] **METHODS AND SYSTEMS FOR DETERMINING PREFERRED TIMES FOR ADMINISTERING THERAPY TO TREAT DISEASES**  
[54] **METHODES ET SYSTEMES PERMETTANT DE DETERMINER LE MOMENT PREFERE D'ADMINISTRATION D'UNE THERAPIE EN VUE DE TRAITER DES MALADIES**  
[72] ASHDOWN, MARTIN LEONARD, AU  
[72] ROBINSON, ANDREW, AU  
[73] BIOTEMPUS PTY LTD, AU  
[85] 2011-11-24  
[86] 2010-05-27 (PCT/AU2010/000649)  
[87] (WO2010/135781)  
[30] US (61/181,508) 2009-05-27

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[13] C

- [51] **Int.Cl. A61M 5/315 (2006.01)**  
[25] EN  
[54] **ASSEMBLY FOR A DRUG DELIVERY DEVICE AND DRUG DELIVERY DEVICE**  
[54] **ENSEMBLE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ET DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**  
[72] STREHL, MICHAEL, DE  
[72] LEUSCHNER, UDO, DE  
[72] BESENHARDT, NORBERT, DE  
[73] SANOFI-AVENTIS DEUTSCHLAND GMBH, DE  
[85] 2011-11-30  
[86] 2010-06-01 (PCT/EP2010/057633)  
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[30] EP (09007297.6) 2009-06-02  
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[11] **2,764,751**  
[13] C

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[25] EN  
[54] **VARIABLE TRANSMITTANCE OPTICAL FILTER AND USES THEREOF**  
[54] **FILTRE OPTIQUE A TRANSMITTANCE VARIABLE ET UTILISATIONS CORRESPONDANTES**  
[72] LAM, DUHANE, CA  
[72] BRANDA, NEIL R., CA  
[73] SWITCH MATERIALS, INC., CA  
[85] 2011-12-06  
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[25] EN

[54] **METHOD AND APPARATUS FOR REMOVAL OF THE DOUBLE INDICATION OF DEFECTS IN REMOTE EDDY CURRENT INSPECTION OF PIPES**

[54] **PROCEDE ET APPAREIL POUR LA SUPPRESSION DE L'INDICATION DOUBLE DE DEFAUTS DANS UNE INSPECTION DE TUYAUX PAR COURANTS DE FOUCAULT A CHAMP LOINTAIN**

[72] LEGENDRE, EMMANUEL, FR

[72] BRILL, THILO, FR

[72] ROSTHAL, RICHARD, US

[72] MINERBO, GERALD N., US

[73] SCHLUMBERGER CANADA LIMITED, CA

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[25] EN

[54] **PROVIDING A DENY RESPONSE THAT SPECIFIES A DELAY TIME**

[54] **ENVOI D'UNE REPONSE DE REFUS QUI SPECIFIE UNE DUREE D'ATTENTE**

[72] JANG, KE-CHI, US

[72] SINCLAIR, LORI, US

[73] APPLE INC., US

[85] 2012-01-05

[86] 2010-08-12 (PCT/US2010/045338)

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[25] EN

[54] **CASSETTES AND METHODS OF USING SAME**

[54] **CASSETTES ET PROCEDES D'UTILISATION DE CES CASSETTES**

[72] CUMMINGS, DAVID CHARLES, US

[72] HALBERT, ALAN P., US

[72] HARIHARESAN, SERALAATHAN, US

[72] HIGGINS, JAMES ALLEN, US

[72] HIGHLEY, BRIAN, US

[72] JEDWAB, MICHAEL RUEBEN, CH

[72] MEYER, RUSSELL PAUL, US

[72] NELSON, ANDREW PETER, US

[72] WEST, DAVID WOODRUFF, US

[73] NESTEC S.A., CH

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[30] US (61/237,711) 2009-08-28

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[30] US (61/288,925) 2009-12-22

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[13] C

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[25] EN

[54] **DOWNHOLE TOOL HEAD FOR RELEASING PRECIPITATED SOLIDS**

[54] **TETE D'OUTIL DE FOND POUR L'EVACUATION DE MATIERES SOLIDES PRECIPITEES**

[72] HALLUNDBAEK, JOERGEN, DK

[72] JENSEN, SVEN KARSTEN, DK

[73] WELLTEC A/S, DK

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[25] EN

[54] **PREPARATION OF (R)- AND (S)-N-(3,4-DIFLUORO-2-(2-FLUORO-4-IODOPHENYLAMINO)-6-METHOXYPHENYL)-1-(2, 3-DIHYDROXYPROPYL)CYCLOPROPANE-1-SULFONAMIDE AND PROTECTED DERIVATIVES THEREOF**

[54] **PREPARATION DE (R)- ET (S)-N-(3,4-DIFLUORO-2-(2-FLUORO-4-IODOPHENYLAMINO)-6-METHOXYPHENYL)-1-(2,3-DIHYDROXYPROPYL)CYCLOPROPANE-1-SULFONAMIDE ET DE LEURS DERIVES PROTEGES**

[72] MADERNA, ANDREAS, US

[72] VERNIER, JEAN-MICHEL, US

[73] ARDEA BIOSCIENCES, INC., US

[85] 2012-01-20

[86] 2010-07-10 (PCT/EP2010/004222)

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[25] EN

[54] **COMPOSITION FOR PREPARING AN EMULSION**

[54] **COMPOSITION POUR LA PREPARATION D'UNE EMULSION**

[72] MARTIN, DAVID, GB

[73] PALOX OFFSHORE S.A.L., LB

[85] 2012-01-30

[86] 2010-07-23 (PCT/GB2010/051215)

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[54] **SYSTEM AND METHOD FOR DATA COMMUNICATION OVER A NETWORK**  
[54] **SYSTEME ET METHODE DE COMMUNICATION DE DONNEES AU MOYEN D'UN RESEAU**  
[72] SUDAMA, RAM, CA  
[72] MOORE, BRAD, AU  
[72] AKBARI, BALASH, CA  
[72] ELLIOTT, CHARLES, AU  
[72] YE, MICHAEL, CA  
[72] DEMOY, SAM, CA  
[73] DASSAULT SYSTEMES CANADA INC., CA  
[86] (2769773)  
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[22] 2012-02-28  
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[54] **DISSECTION HANDPIECE AND METHOD FOR REDUCING THE APPEARANCE OF CELLULITE**  
[54] **PIECE A MAIN DE DISSECTION ET PROCEDE POUR REDUIRE L'ASPECT DE CELLULITE**  
[72] CLARK, ROBERT L., III., US  
[72] CHOMAS, JAMES E., US  
[72] MERCHANT, ADNAN I., US  
[72] BRIAN, BEN F., III., US  
[73] ULTHERA, INC., US  
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[86] 2010-08-06 (PCT/US2010/044782)  
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[13] C

[51] **Int.Cl. A61F 9/007 (2006.01) F15B 19/00 (2006.01)**  
[25] EN  
[54] **PNEUMATIC PRESSURE OUTPUT CONTROL BY DRIVE VALVE DUTY CYCLE CALIBRATION**  
[54] **REGULATION DE LA SORTIE DE PRESSION PNEUMATIQUE PAR ETALONNAGE DU CYCLE DE SERVICE D'UNE VANNE DE COMMANDE**  
[72] ZHOU, JIANSHEG, US  
[72] LEUKANECH, KURT, US  
[72] TEODORESCU, DAN, US  
[73] ALCON RESEARCH, LTD., US  
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[13] C

[51] **Int.Cl. C09K 8/504 (2006.01) E21B 33/13 (2006.01) E21B 43/12 (2006.01)**  
[25] EN  
[54] **USE OF HIGH RATIO AQUEOUS ALKALI SILICATES FOR PROFILE MODIFICATION, WATER CONTROL AND STABILIZATION**  
[54] **UTILISATION DE SOLUTIONS AQUEUSES A RAPPORT ELEVE SILICATE/METAL ALCALIN POUR LA MODIFICATION DU PROFIL, LE CONTROLE DE L'EAU ET LA STABILISATION**  
[72] MCDONALD, MICHAEL J., CA  
[73] PQ CORPORATION, US  
[86] (2771577)  
[87] (2771577)  
[22] 2012-03-20  
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[25] EN  
[54] **RECOMBINANT DNA MOLECULE ENCODING 5'UTR CAPABLE OF PREVENTING INHIBITION OF TRANSLATION UNDER ENVIRONMENTAL STRESSES**  
[54] **MOLECULE D'ADN RECOMBINANT CODANT POUR UNE REGION 5'UTR EVITANT LA SUPPRESSION DE TRADUCTION SOUS STRESS ENVIRONNEMENTAL**  
[72] KATO, KO, JP  
[72] KANAYA, SHIGEHICO, JP  
[72] MATSUURA, HIDEYUKI, JP  
[72] TAKENAMI, SHINYA, JP  
[72] NOSHO, TATSUYA, JP  
[72] KUBO, YUHKI, JP  
[72] UEDA, KIYOTAKA, JP  
[73] NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE AND TECHNOLOGY, JP  
[85] 2012-02-17  
[86] 2010-08-19 (PCT/JP2010/064006)  
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[30] JP (2009-190179) 2009-08-19  
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[13] C

[51] **Int.Cl. H05B 37/02 (2006.01) H02M 3/04 (2006.01)**  
[25] EN  
[54] **MULTICHANNEL LIGHTING UNIT AND DRIVER FOR SUPPLYING CURRENT TO LIGHT SOURCES IN MULTICHANNEL LIGHTING UNIT**  
[54] **UNITE D'ECLAIRAGE A PLUSIEURS CANAUX ET CIRCUIT DE COMMANDE POUR FOURNIR DU COURANT AUX SOURCES LUMINEUSES DANS L'UNITE D'ECLAIRAGE A PLUSIEURS CANAUX**  
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[73] PHILIPS LIGHTING HOLDING B.V., NL  
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[54] **CABINE D'ASCENSEUR**  
[72] CHRISTEN, JULES, CH  
[73] INVENTIO AG, CH  
[85] 2012-02-24  
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[25] EN  
[54] **SELECTIVE ANTIBACTERIALS FOR CLOSTRIDIUM DIFFICILE INFECTIONS**  
[54] **ANTI-BACTERIENS SELECTIFS POUR DES INFECTIONS PAR CLOSTRIDIUM DIFFICILE**  
[72] WRIGHT, GEORGE E., US  
[72] XU, WEI-CHU, US  
[73] GLSYNTHESIS INC., US  
[85] 2012-03-01  
[86] 2010-09-10 (PCT/US2010/048379)  
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[25] EN  
[54] **A GRIPPING HEAD AND A METHOD OF TRANSFERRING A NUMBER OF PACKAGES**  
[54] **TETE DE PREHENSION ET PROCEDE DE TRANSFERT D'UN CERTAIN NOMBRE DE PAQUETS**  
[72] BILLING, TOBIAS, SE  
[72] STORMBERG, JESPER, SE  
[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH  
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[54] **SCANNING TOOL**  
[54] **OUTIL DE BALAYAGE**  
[72] HALLUNDBAEK, JORGEN, DK  
[72] ROBENHAGEN, ULRIK WEILAND, DK  
[73] WELLTEC A/S, DK  
[85] 2012-03-06  
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[25] EN  
[54] **MODULATION OF HUNTINGTIN EXPRESSION**  
[54] **MODULATION DE L'EXPRESSION DE LA HUNTINGTINE**  
[72] HUNG, GENE, US  
[72] BENNETT, C. FRANK, US  
[72] FREIER, SUSAN M., US  
[72] KORDASIEWICZ, HOLLY, US  
[72] STANEK, LISA, US  
[72] CLEVELAND, DON W., US  
[72] CHENG, SENG H., US  
[72] SHIHABUDDIN, LAMYA, US  
[73] IONIS PHARMACEUTICALS, INC., US  
[85] 2012-03-09  
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[25] EN  
[54] **NUTRITIONAL COMPOSITIONS FOR MODULATING INFLAMMATION INCLUDING EXOGENOUS VITAMIN K2**  
[54] **COMPOSITIONS NUTRITIONNELLES DESTINEES A MODULER L'INFLAMMATION, CONTENANT DE LA VITAMINE K2 EXOGENE**  
[72] BOLSTER, DOUGLAS RICHARD, US  
[72] ROUGHEAD, ZAMZAM KABIRY, US  
[73] NESTEC S.A., CH  
[85] 2012-03-12  
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[25] EN  
[54] **MOBILE APPLICATION FOR CALENDAR SHARING AND SCHEDULING**  
[54] **APPLICATION MOBILE POUR LE PARTAGE ET LA PROGRAMMATION DE CALENDRIERS**  
[72] GINGRAS, MARC, CA  
[72] YANG, FANG, CA  
[72] SARRAZIN, JACOU, CA  
[73] BLACKBERRY LIMITED, CA  
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[54] **MEDICAL ULTRASOUND DEVICE WITH LIQUID DISPENSING DEVICE COUPLED TO A THERAPY HEAD**  
[54] **DISPOSITIF MEDICAL A ULTRASONS AVEC DISPOSITIF DE DISTRIBUTION DE LIQUIDE COUPLE A UNE TETE THERAPEUTIQUE**  
[72] WING, GREGORY T., US  
[72] KENNEY, MARTIN, US  
[72] LITTLE, BLAKE W., US  
[72] FIX, RICHARD L., US  
[73] LIPOSONIX, INC., US  
[85] 2012-03-26  
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[25] EN  
[54] **UNBONDED LOOSEFILL INSULATION**  
[54] **ISOLANT EN VRAC NON ENCOLLE**  
[72] EVANS, MICHAEL E., US  
[72] GAVIN, PATRICK M., US  
[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US  
[85] 2012-03-28  
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[30] US (61/250,244) 2009-10-09

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[54] **STABLE OIL-IN-WATER EMULSIONS**  
[54] **EMULSIONS HUILE DANS EAU STABLES**  
[72] KEENEY, FRANKLIN N., US  
[72] LI, MEI, US  
[73] DOW AGROSCIENCES LLC, US  
[85] 2012-03-27  
[86] 2010-10-04 (PCT/US2010/051282)  
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[25] EN  
[54] **ACETYLATED GLYCERIDE OF 12-HYDROXYSTEARIC ACID AND BLENDS WITH EPOXIDIZED FATTY ACID ESTERS**  
[54] **GLYCERIDE ACETYLE D'ACIDE 12-HYDROXYSTEARIQUE ET SES MELANGES AVEC DES ESTERS D'ACIDE GRAS EPOXYDES**  
[72] CHAUDHARY, BHARAT I., US  
[72] SCHILLER, KLAUS, DE  
[72] MEERBOTE, MICHAEL, DE  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2012-03-28  
[86] 2010-09-29 (PCT/US2010/050690)  
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[25] EN  
[54] **A METHOD OF CARRYING OUT A BATCH-STYLE REACTION IN AT LEAST TWO REACTORS**  
[54] **UNE METHODE POUR MENER UNE REACTION DE TYPE LOT DANS AU MOINS DEUX REACTEURS**  
[72] HARRISON, BRIAN, CA  
[72] HOOPER, HURDON A., CA  
[73] RUBRECO INC., CA  
[86] (2777148)  
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[25] EN  
[54] **POROUS SUPPORTED ARTICLES AND METHODS OF MAKING**  
[54] **ARTICLES POREUX A SUPPORT INTEGRE ET PROCEDES DE FABRICATION**  
[72] PEYRAS-CARRATTE, JEREMIE, FR  
[72] COANT, JEAN MARIE, FR  
[72] LALOUCHE, LAHOUSSEINE, FR  
[73] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2012-04-10  
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[30] US (61/253,582) 2009-10-21

[11] **2,779,084**

[13] C

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[25] EN  
[54] **SKIN AND WOUND ASSESSMENT TOOL**  
[54] **OUTIL D'EVALUATION DE LA PEAU ET DES LESIONS SUSCEPTIBLES DE L'AFPECTER**  
[72] ESTOCADO, NANCY ANN, US  
[73] ESTOCADO, NANCY ANN, US  
[85] 2012-04-26  
[86] 2010-10-21 (PCT/US2010/053559)  
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[30] US (12/606,773) 2009-10-27

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[13] C

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[25] EN  
[54] **LOCK CYLINDER AND KEY COMBINATION**  
[54] **COMBINAISON DE CLE ET DE BARILLET DE SERRURE**  
[72] MATHACHAN, SAJIL J., IN  
[73] SCHLAGE LOCK COMPANY LLC, US  
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[54] **A COMPONENT FOR A WOUND DRESSING**  
[54] **COMPOSANT POUR PANSEMENT DES PLAIES**  
[72] SHAW, HELEN, GB  
[72] PRITCHARD, DAVID, GB  
[72] LEE, BRYONY JANE, GB  
[72] BISHOP, STEPHEN M., GB  
[73] CONVATEC TECHNOLOGIES INC., US  
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[25] EN  
[54] **INSECTICIDAL COMPOUNDS BASED ON ISOXAZOLINE DERIVATIVES**  
[54] **COMPOSES INSECTICIDES A BASE DE DERIVES ISOXAZOLINE**  
[72] CASSAYRE, JEROME YVES, CH  
[72] RENOLD, PETER, CH  
[72] EL QACEMI, MYRIEM, CH  
[72] PITTERNA, THOMAS, CH  
[72] TOUEG, JULIE CLEMENTINE, CH  
[73] SYNGENTA PARTICIPATIONS AG, CH  
[85] 2012-05-09  
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[30] EP (09177640.1) 2009-12-01  
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[13] C

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[25] EN  
[54] **MACHINE FOR THE PACKAGING PRODUCTS WITH STRETCHABLE AND HEAT-WELDABLE FILM**  
[54] **MACHINE D'EMBALLAGE DE PRODUIT AVEC UNE PELLICULE ETIRABLE FIXABLE THERMIQUEMENT**  
[72] VACCARI, MASSIMILIANO, IT  
[73] GRUPPO FABBRI VIGNOLA S.P.A., IT  
[85] 2012-05-11  
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[30] IT (BO2009A000750) 2009-11-18

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[54] **DEFORMABLE SUPPORT ELEMENT AND BED SYSTEM**  
[54] **ELEMENT DE SOUTIEN DEFORMABLE, ET SYSTEME DE COUCHAGE**  
[72] CAMPANILE, FLAVIO, CH  
[72] SAUTER, MICHAEL, CH  
[73] EMPA EIDG. MATERIALPRUFUNGS- UND FORSCHUNGSANSTALT, CH  
[85] 2012-05-17  
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[25] EN  
[54] **URINARY TRIAOSYLCERAMIDE (GB3) AS A MARKER OF CARDIAC DISEASE**  
[54] **TRIAOSYLCERAMIDE URINAIRE (GB3) COMME MARQUEUR DE MALADIE CARDIAQUE**  
[72] SCHIFFMANN, RAPHAEL, US  
[72] MOCHEL, FANNY, US  
[72] SWEETMAN, LAWRENCE, US  
[72] FORNI, SABRINA, US  
[73] BAYLOR RESEARCH INSTITUTE, US  
[85] 2012-05-17  
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[54] **DRILL GUIDE SYSTEM**  
[54] **SYSTEME DE GUIDAGE DE FORET**  
[72] APPENZELLER, ANDREAS, CH  
[72] NAGY, LADISLAV, CH  
[72] SCHWIEZER, ANDREAS, CH  
[72] FLURI, DANIEL, CH  
[73] DEPUY SYNTHES PRODUCTS, INC., US  
[85] 2012-05-18  
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[25] EN  
[54] **RIFLE SUPPORT**  
[54] **SUPPORT DE FUSIL**  
[72] LEWIS, GAVIN WILLIAM, AU  
[73] LEWIS, GAVIN WILLIAM, AU  
[85] 2012-05-17  
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[25] EN  
[54] **ENTERAL FEEDING CATHETER ASSEMBLY INCORPORATING AN INDICATOR**  
[54] **ENSEMBLE CATHETER A INTRODUCTION ENTERALE INCORPORANT UN INDICATEUR**  
[72] HERSHEY, ADRIENNE A., US  
[72] MCMICHAEL, DONALD J., US  
[72] ROTELLA, JOHN A., US  
[73] AVENT, INC., US  
[85] 2012-05-22  
[86] 2010-11-22 (PCT/IB2010/055341)  
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[25] EN  
[54] **ELITE EVENT EE-GM3 AND METHODS AND KITS FOR IDENTIFYING SUCH EVENT IN BIOLOGICAL SAMPLES**  
[54] **EVENEMENT ELITE EE-GM3 ET PROCEDES ET ENSEMBLES POUR IDENTIFIER UN TEL EVENEMENT DANS DES ECHANTILLONS BIOLOGIQUES**  
[72] MASON, JUSTIN THOMAS, US  
[72] LETTOW, LESLIE JAMES, US  
[72] EBY, MARK ALAN, US  
[72] EBY, WILLIAM H., US  
[72] WELZ, GUENTER, DE  
[72] VERHAEGHE, STEVEN, BE  
[72] DE BEUCKELEER, MARC, BE  
[72] HABEX, VEERLE, BE  
[72] FERRULO, JEAN-MARC, FR  
[73] BAYER CROPSCIENCE N.V., BE  
[73] MS TECHNOLOGIES LLC, US  
[85] 2012-05-22  
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[13] C

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[25] EN  
[54] **A DISINFECTANT CATHETER LOCK SOLUTION COMPRISING CITRIC ACID AND POLY(Hexamethylenebiguanide)**  
[54] **UNE SOLUTION DESINFECTANTE DE VERROU DE CATHETER RENFERMANT DE L'ACIDE CITRIQUE ET DU POLYHEXAMETHYLENE BIGUANIDE**  
[72] KIRSCHNER, ULRICH, DE  
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE  
[85] 2012-05-23  
[86] 2010-11-23 (PCT/EP2010/007082)  
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[13] C

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[25] EN  
[54] **PRESSURE REGULATED FLOW VALVE WITH GAS-PISTON**  
[54] **VANNE DE REGLAGE A PRESSION REGULEE COMPORTANT UN PISTON A GAZ**  
[72] DAVIDEIT, DANIEL E., US  
[72] VERVILLE, KEVIN G., US  
[72] MCDONALD, BRIAN, US  
[73] SUMMIT PACKAGING SYSTEMS, INC., US  
[85] 2012-05-23  
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[13] C

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[25] EN  
[54] **SCRUBBING RAZOR**  
[54] **RASOIR GOMMANT**  
[72] HARRIS, JOHN ROBERT, II, US  
[73] HARRIS, JOHN ROBERT, II, US  
[85] 2012-05-25  
[86] 2010-10-27 (PCT/US2010/054359)  
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[30] US (12/607,850) 2009-10-28

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[13] C

[51] **Int.Cl. B60L 5/00 (2006.01) E01B 21/00 (2006.01)**  
[25] EN  
[54] **POSITIONING AND/OR HOLDING A PLURALITY OF LINE SECTIONS OF ELECTRIC LINES ALONG A DRIVE WAY OF A VEHICLE**  
[54] **POSITIONNEMENT ET/OU MAINTIEN D'UNE PLURALITE DE SECTIONS DE LIGNE DE LIGNES ELECTRIQUES LE LONG D'UNE VOIE DE GUIDAGE DE VEHICULE**  
[72] WORONOWICZ, KONRAD, CA  
[72] BAADE, MICHAEL, CA  
[72] SIEDMIOGRODZKI, KRIS, CA  
[73] BOMBARDIER TRANSPORTATION GMBH, DE  
[85] 2012-05-25  
[86] 2010-12-21 (PCT/EP2010/007989)  
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[13] C

[51] **Int.Cl. B60L 5/00 (2006.01) B60M 1/34 (2006.01) B60M 3/04 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR TRANSFERRING ENERGY TO A VEHICLE AND METHOD OF OPERATING THE SYSTEM**  
[54] **SYSTEME ADAPTE POUR TRANSFERER DE L'ENERGIE A UN VEHICULE, ET PROCEDE DE COMMANDE DE FONCTIONNEMENT DU SYSTEME**  
[72] ANDERS, DOMINIK, DE  
[73] BOMBARDIER TRANSPORTATION GMBH, DE  
[85] 2012-05-28  
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[25] EN

[54] **IMPROVED POROUS MATERIALS BASED ON AROMATIC AMINES**

[54] **MATERIAUX POREUX AMELIORES A BASE D'AMINES AROMATIQUES**

[72] FRICKE, MARC, DE

[72] ELBING, MARK, DE

[73] BASF SE, DE

[85] 2012-06-05

[86] 2010-12-06 (PCT/EP2010/068962)

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[13] C

[51] **Int.Cl. A01N 25/28 (2006.01) A01N 25/08 (2006.01) B01J 13/02 (2006.01)**

[25] EN

[54] **SUSTAINED-RELEASE SILICA MICROCAPSULES**

[54] **MICROCAPSULES DE SILICE A LIBERATION PROLONGEE**

[72] YAN, LAIBIN BRUCE, US

[72] MARTIN, CRAIG ARLEN, US

[72] ABU-REZIQ, RAED, IL

[73] SOL-GEL TECHNOLOGIES LTD, IL

[85] 2012-06-06

[86] 2010-12-06 (PCT/US2010/059102)

[87] (WO2011/081787)

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[11] **2,783,571**  
[13] C

[51] **Int.Cl. H01Q 7/00 (2006.01) H04B 1/59 (2006.01)**

[25] EN

[54] **SIGNAL CANCELLING TRANSMIT/RECEIVE MULTI-LOOP ANTENNA FOR A RADIO FREQUENCY IDENTIFICATION READER**

[54] **ANNULATION DE SIGNAL PAR ANTENNE D'EMISSION/RECEPTION A BOUCLES MULTIPLES POUR LECTEUR D'ETIQUETTES RADIO-IDENTIFICATION**

[72] STEWART, ROBERT, US

[73] ALLFLEX USA, INC., US

[85] 2012-06-07

[86] 2010-11-03 (PCT/US2010/055326)

[87] (WO2011/056891)

[30] US (61/257,906) 2009-11-04

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[11] **2,784,032**  
[13] C

[51] **Int.Cl. B21D 39/03 (2006.01)**

[25] EN

[54] **REMOVABLE MAGNETIC LINER AND SCREENING MEDIA, AND PROCESSES OF PRODUCTION, INSTALLATION, AND USE THEREOF**

[54] **GARNITURE MAGNETIQUE AMOVIBLE ET MILIEU FILTRANT, ET PROCEDES DE PRODUCTION, D'INSTALLATION ET D'UTILISATION DE CEUX-CI**

[72] STACKPOLE, BENJAMIN, US

[73] TEMA ISENMANN, INC., US

[85] 2012-06-11

[86] 2010-12-21 (PCT/US2010/061497)

[87] (WO2011/079109)

[30] US (12/646,304) 2009-12-23

[30] US (12/819,674) 2010-06-21

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[11] **2,784,096**  
[13] C

[51] **Int.Cl. F21K 9/69 (2016.01) F21K 9/60 (2016.01) F21S 8/08 (2006.01)**

[25] EN

[54] **LOW-GLARE LED-BASED LIGHTING UNIT**

[54] **UNITE D'ECLAIRAGE A BASE DE LED A FAIBLE EBLOUISSEMENT**

[72] ROTH, ERIC, US

[72] BAZYDOLA, SARAH, US

[73] PHILIPS LIGHTING HOLDING B.V., NL

[85] 2012-06-12

[86] 2010-11-22 (PCT/IB2010/055332)

[87] (WO2011/073828)

[30] US (61/286,140) 2009-12-14

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[13] C

[51] **Int.Cl. C01G 3/00 (2006.01) C01G 39/06 (2006.01) C01G 41/00 (2006.01)**

[25] EN

[54] **PROCESS FOR PRODUCING A COPPER THIOMETALLATE OR A SELENOMETALLATE MATERIAL**

[54] **PROCEDE DE PRODUCTION D'UN MATERIAU A BASE DE THIOMETALLATE OU SELENOMETALLATE DE CUIVRE**

[72] MILAM, STANLEY NEMEC, US

[72] REYNOLDS, MICHAEL ANTHONY, US

[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL

[85] 2012-06-12

[86] 2011-01-21 (PCT/US2011/021955)

[87] (WO2011/091192)

[30] US (61/297,054) 2010-01-21

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[13] C

[51] **Int.Cl. A61K 31/137 (2006.01) A61K 31/522 (2006.01) A61P 11/14 (2006.01)**

[25] EN

[54] **COMBINATION OF THEOBROMINE WITH A DECONGESTANT AND ITS USE FOR THE TREATMENT OF COUGH**

[54] **COMBINAISON DE THEOBROMINE AVEC UN DECONGESTIONNANT ET UTILISATION DE CELLE-CI POUR LE TRAITEMENT DE LA TOUX**

[72] BREW, JOHN, GB

[72] BANNISTER, ROBIN MARK, GB

[73] INFIRST HEALTHCARE LIMITED, GB

[85] 2012-06-13

[86] 2010-12-14 (PCT/GB2010/052085)

[87] (WO2011/073646)

[30] GB (0921805.8) 2009-12-14

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[51] **Int.Cl. A61F 2/00 (2006.01) A61L 27/18 (2006.01) A61F 5/455 (2006.01)**

[25] EN

[54] **INTRAVAGINAL INCONTINENCE DEVICE**

[54] **DISPOSITIF INTRAVAGINAL CONTRE L'INCONTINENCE**

[72] HULL, RAYMOND J., JR., US

[72] JOHNSON, BRUCE C., US

[72] MAVINKURVE, PRAMOD, US

[72] ROSENFELD, LEONARD, US

[73] FIRST QUALITY HYGIENIC, INC., US

[85] 2012-06-13

[86] 2010-12-21 (PCT/US2010/061566)

[87] (WO2011/079124)

[30] US (12/645,800) 2009-12-23

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[11] **2,784,433**  
[13] C

[51] **Int.Cl. E04B 1/76 (2006.01) E04F 21/08 (2006.01)**

[25] EN

[54] **APPARATUS AND METHODS FOR APPLICATION OF FOAM AND FOAM/LOOSEFILL INSULATION SYSTEMS**

[54] **APPAREIL ET PROCÉDES POUR L'APPLICATION DE MOUSSE ET SYSTÈMES D'ISOLATION PARTICULAIRES / A MOUSSE**

[72] OLANG, FATEMEH NASSREEN, US

[73] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US

[85] 2012-06-14

[86] 2010-11-23 (PCT/US2010/057783)

[87] (WO2011/084256)

[30] US (61/286,950) 2009-12-16

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[13] C

[51] **Int.Cl. B22F 3/15 (2006.01) B22F 3/24 (2006.01) B22F 5/10 (2006.01)**

[25] EN

[54] **IMPROVEMENTS IN OR RELATING TO HOT ISOSTATIC PRESSING**

[54] **PERFECTIONNEMENTS APPORTÉS A UN PRESSAGE ISOSTATIQUE A CHAUD OU S'Y RAPPORTANT**

[72] ARCHER, GEOFFREY FREDERICK, GB

[73] ADVANCED INTERACTIVE MATERIALS SCIENCE LIMITED, GB

[85] 2012-06-15

[86] 2010-12-22 (PCT/GB2010/052186)

[87] (WO2011/077150)

[30] GB (0922488.2) 2009-12-23

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[13] C

[51] **Int.Cl. A47K 10/16 (2006.01) D21H 21/28 (2006.01) D21H 21/36 (2006.01) D21H 23/24 (2006.01) G01N 31/22 (2006.01) G01N 33/52 (2006.01)**

[25] EN

[54] **ANTI-VIRAL TISSUE PRODUCT WITH VISUAL EFFICACY INDICATOR**

[54] **PRODUIT DE MOUCHOIR ANTIVIRAL MUNI D'UN INDICATEUR VISUEL D'EFFICACITE**

[72] MACDONALD, JOHN GAVIN, US

[72] MARTIN, STEPHANIE M., US

[72] PHILLIPS, RONNIE L., US

[72] SONG, XUEDONG, US

[73] KIMBERLEY-CLARK WORLDWIDE, INC., US

[85] 2012-06-20

[86] 2010-12-02 (PCT/IB2010/055553)

[87] (WO2011/080626)

[30] US (12/655,478) 2009-12-31

[30] US (12/826,017) 2010-06-29

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[13] C

[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/71 (2006.01) C08K 3/36 (2006.01) C08K 9/04 (2006.01)**

[25] EN

[54] **POLYURETHANE NANOCOMPOSITES**

[54] **NANOCOMPOSITES DE POLYURETHANE**

[72] MARX, RYAN E., US

[73] 3M INNOVATIVE PROPERTIES COMPANY, US

[85] 2012-06-26

[86] 2010-12-27 (PCT/US2010/062122)

[87] (WO2011/082121)

[30] US (61/290,754) 2009-12-29

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[13] C

[51] **Int.Cl. C01G 43/01 (2006.01) C22B 1/216 (2006.01) C22B 60/02 (2006.01)**

[25] EN

[54] **PROCESS FOR THE PRODUCTION OF A URANIUM TRIOXIDE YELLOWCAKE FROM A URANIUM PEROXIDE PRECIPITATE**

[54] **PROCÉDE POUR LA PRODUCTION D'UN GÂTEAU JAUNE DE TRIOXYDE D'URANIUM A PARTIR D'UN PRÉCIPITÉ DE PEROXYDE D'URANIUM**

[72] JOBLING, GLENN, AU

[73] ADELAIDE CONTROL ENGINEERS PTY LTD, AU

[85] 2012-06-28

[86] 2011-01-07 (PCT/AU2011/000019)

[87] (WO2011/082454)

[30] AU (2010900066) 2010-01-08

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[11] **2,785,863**  
[13] C

[51] **Int.Cl. E04C 3/08 (2006.01) E04C 5/065 (2006.01) F16B 7/00 (2006.01) E04C 3/04 (2006.01)**

[25] EN

[54] **CONNECTION ARRANGEMENT FROM HOLLOW STEEL SECTIONS WHICH ARE SUBJECT TO AXIAL PRESSURE**

[54] **DISPOSITIF POUR RACCORDER DES PROFILS CREUX EN ACIER SUBISSANT L'ACTION D'UNE PRESSION AXIALE**

[72] HERION, STEFAN, DE

[72] JOSAT, OLE, DE

[73] VALLOUREC DEUTSCHLAND GMBH, DE

[85] 2012-06-27

[86] 2010-12-03 (PCT/DE2010/001432)

[87] (WO2011/079832)

[30] DE (10 2010 004 155.6) 2010-01-04

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[11] **2,785,939**  
[13] C

[51] **Int.Cl. E21B 41/00 (2006.01) E21B 4/18 (2006.01) E21B 7/06 (2006.01) E21B 23/00 (2006.01)**

[25] EN

[54] **DOWNHOLE GUIDING TOOL**

[54] **OUTIL DE GUIDAGE EN FOND DE TROU**

[72] HALLUNDBAEK, JOERGEN, DK

[72] ANDERSEN, THOMAS SUNE, DK

[73] WELLTEC A/S, DK

[85] 2012-06-27

[86] 2010-12-29 (PCT/EP2010/070835)

[87] (WO2011/080292)

[30] EP (09180926.9) 2009-12-30

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[11] **2,786,047**  
[13] C

[51] **Int.Cl. F02C 7/14 (2006.01) F01D 25/12 (2006.01) F02C 7/141 (2006.01) F02C 7/143 (2006.01)**

[25] EN

[54] **GAS TURBINE ENGINE AND COOLING SYSTEM**

[54] **TURBINE A GAZ ET SYSTEME DE REFROIDISSEMENT**

[72] DONOVAN, ERIC SEAN, US

[72] FELTZ, WILLIAM DANIEL, US

[72] TOMLINSON, STEVEN WESLEY, US

[73] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US

[85] 2012-06-29

[86] 2010-12-29 (PCT/US2010/062359)

[87] (WO2011/139311)

[30] US (61/291,540) 2009-12-31

[30] US (12/978,959) 2010-12-27

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[11] **2,786,386**  
[13] C

[51] **Int.Cl. G06F 17/24 (2006.01)**

[25] EN

[54] **COMPUTER FORM ACTION ZONE SUMMARY SYSTEM AND METHOD**

[54] **SYSTEME DE RESUME DE ZONE D'ACTION DE DOCUMENT D'INFORMATIONS ET PROCEDE**

[72] DUNN, CARY, US

[72] SIEGEL, JONATHAN, US

[72] BERNSTEIN, DARYL, US

[73] CITRIX SYSTEMS, INC., US

[85] 2012-07-03

[86] 2010-10-20 (PCT/US2010/053383)

[87] (WO2011/050067)

[30] US (61/253,778) 2009-10-21

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[11] **2,786,514**  
[13] C

[51] **Int.Cl. B01F 3/08 (2006.01) B01F 7/00 (2006.01) B01F 15/00 (2006.01) B01F 13/00 (2006.01)**

[25] EN

[54] **UNIT FOR PRODUCING READY-TO-USE FILLERS BY MIXING A BINDER COMPONENT AND A CURING AGENT COMPONENT**

[54] **APPAREIL PERMETTANT DE FABRIQUER DES MASTICS PRETS A L'EMPLOI PAR LE MELANGE D'UN COMPOSANT LIANT ET D'UN COMPOSANT DURCISSANT**

[72] VOSS, KLAUS-WILHELM, DE

[73] VOSSCHEMIE GMBH, DE

[85] 2012-07-05

[86] 2011-01-21 (PCT/EP2011/050834)

[87] (WO2011/089224)

[30] DE (20 2010 001 363.1) 2010-01-25

[30] DE (20 2010 012 487.5) 2010-09-10

[30] DE (20 2010 012 486.7) 2010-09-10

[30] DE (20 2010 016 702.7) 2010-12-17

[30] DE (20 2011 001 290.5) 2011-01-10

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[11] **2,786,541**  
[13] C

[51] **Int.Cl. F23R 3/12 (2006.01)**

[25] FR

[54] **INJECTOR DEVICE AND TURBINE ENGINE COMBUSTION CHAMBER PROVIDED WITH SUCH AN INJECTOR DEVICE**

[54] **DISPOSITIF D'INJECTION ET CHAMBRE DE COMBUSTION DE TURBOMACHINE EQUIPEE D'UN TEL DISPOSITIF D'INJECTION**

[72] BERTEAU, PATRICK, FR

[72] CARRERE, BERNARD JOSEPH JEAN-PIERRE, FR

[72] HERNANDEZ, LORENZO HUACAN, FR

[72] NAUDOT, LUDOVIC ANDRE JOEL, FR

[73] TURBOMECA, FR

[85] 2012-07-05

[86] 2011-01-18 (PCT/FR2011/050085)

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[30] FR (1050286) 2010-01-18

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[13] C

[51] **Int.Cl. B25H 3/02 (2006.01)**  
[25] EN  
[54] **MOBILE TOOL BOX**  
[54] **BOITE A OUTILS MOBILE**  
[72] BRUNNER, YARON, IL  
[73] KETER PLASTIC LTD., IL  
[85] 2012-07-06  
[86] 2011-01-19 (PCT/IL2011/000059)  
[87] (WO2011/089598)  
[30] US (61/296,083) 2010-01-19

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[11] **2,787,026**  
[13] C

[51] **Int.Cl. C04B 26/06 (2006.01) C04B 26/04 (2006.01) C04B 40/00 (2006.01) C04B 40/06 (2006.01) C09D 5/02 (2006.01)**  
[25] EN  
[54] **RAPID CURING WATER RESISTANT COMPOSITION FOR GROUTS, FILLERS AND THICK COATINGS**  
[54] **COMPOSITION RESISTANTE A L'EAU A DURCISSEMENT RAPIDE POUR JOINTS, CHARGES ET REVETEMENTS EPAIS**  
[72] TAYLOR, STEVEN L., US  
[72] PAMARAN, ZOSIMO D., US  
[73] CUSTOM BUILDING PRODUCTS, INC., US  
[85] 2012-07-12  
[86] 2010-12-28 (PCT/US2010/062228)  
[87] (WO2011/093974)  
[30] US (12/695,517) 2010-01-28

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[11] **2,787,100**  
[13] C

[51] **Int.Cl. G06Q 10/08 (2012.01) G06F 17/30 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR IDENTIFYING SUSPICIOUS ORDERS**  
[54] **SYSTEMES ET PROCEDES PERMETTANT D'IDENTIFIER DES COMMANDES SUSPECTES**  
[72] HEARNES, WARREN EASTMAN, II, US  
[72] LAMB, LESTER ROBERT, US  
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[85] 2012-07-11  
[86] 2010-11-19 (PCT/US2010/057322)  
[87] (WO2011/119190)  
[30] US (12/729,543) 2010-03-23

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[13] C

[51] **Int.Cl. G05B 21/00 (2006.01) C01B 3/10 (2006.01) C10J 3/00 (2006.01) C10J 3/72 (2006.01) F23C 10/00 (2006.01) G05B 19/02 (2006.01)**  
[25] EN  
[54] **CONTROL SYSTEM AND METHOD FOR OPTIMIZING CHEMICAL LOOPING PROCESSES**  
[54] **SYSTEME ET PROCEDE DE COMMANDE ET D'OPTIMISATION POUR DES PROCEDES A BOUCLE CHIMIQUE**  
[72] LOU, XINSHENG, US  
[72] JOSHI, ABHINAYA, US  
[72] LEI, HAO, US  
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  
[85] 2012-07-27  
[86] 2011-01-28 (PCT/US2011/022882)  
[87] (WO2011/094512)  
[30] US (61/299,590) 2010-01-29  
[30] US (13/014,776) 2011-01-27

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[13] C

[51] **Int.Cl. C07K 16/32 (2006.01) A61K 39/395 (2006.01) A61K 51/00 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 15/09 (2006.01) C12P 21/08 (2006.01)**  
[25] EN  
[54] **RADIOACTIVE METAL-LABELED ANTI-CADHERIN ANTIBODY**  
[54] **ANTICORPS ANTI-CADHERINE MARQUE PAR UN METAL RADIOACTIF**  
[72] HINO, AKIHIRO, JP  
[72] NAGANO, AKIO, JP  
[72] WATANABE, MASAHIKO, JP  
[72] MATSUURA, TADASI, JP  
[72] SATOH, HIROKAZU, JP  
[72] NOMURA, FUMIKO, JP  
[72] MITOMO, KATSUYUKI, JP  
[73] FUJIFILM RI PHARMA CO., LTD., JP  
[73] PERSEUS PROTEOMICS INC., JP  
[85] 2012-08-08  
[86] 2011-02-09 (PCT/JP2011/052759)  
[87] (WO2011/099524)  
[30] JP (2010-028028) 2010-02-10

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[13] C

[51] **Int.Cl. A23D 9/02 (2006.01) A23D 9/00 (2006.01) C07C 57/12 (2006.01) C11B 3/00 (2006.01) C11C 1/02 (2006.01) C12P 7/64 (2006.01)**  
[25] EN  
[54] **OIL COMPOSITIONS OF STEARIDONIC ACID**  
[54] **COMPOSITIONS HUILEUSES D'ACIDE STEARIDONIQUE**  
[72] NAKHASI, DILIP K., US  
[72] CORBIN, DANIELLE N., US  
[72] DANIELS, ROGER L., US  
[73] BUNGE OILS, INC., US  
[85] 2012-08-14  
[86] 2011-02-16 (PCT/US2011/025032)  
[87] (WO2011/103151)  
[30] US (12/707,603) 2010-02-17

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[13] C

[51] **Int.Cl. B23K 26/38 (2014.01) B23K 26/402 (2014.01) A61J 1/06 (2006.01) B65D 1/09 (2006.01)**  
[25] EN  
[54] **DEVICE AND METHOD FOR CUTTING PLASTIC PRODUCTS PROVIDED IN A CONTINUOUS PLASTIC BAND FOR USE IN THE MEDICAL SECTOR**  
[54] **DISPOSITIF ET PROCEDE POUR COUPER DES PRODUITS EN PLASTIQUE FOURNIS DANS UNE BANDE DE PLASTIQUE CONTINUE POUR UTILISATION DANS LE SECTEUR MEDICAL**  
[72] KIEBURG, HEINZ, DE  
[72] FRANZKE, REINER, DE  
[73] B. BRAUN MELSUNGEN AG, DE  
[73] KIEBURG, HEINZ, DE  
[85] 2012-08-16  
[86] 2011-03-09 (PCT/EP2011/001157)  
[87] (WO2011/110337)  
[30] DE (10 2010 011 207.0) 2010-03-09

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[13] C

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[25] EN  
[54] **DRAGLINE ROPE FERRULE**  
[54] **VIROLE POUR CABLE DE DRAGAGE**  
[72] MORGAN, ANDREW, AU  
[72] GREEN, NORMAN, AU  
[73] BEKAERT WIRE ROPES PTY LTD., AU  
[85] 2012-08-24  
[86] 2011-02-25 (PCT/AU2011/000214)  
[87] (WO2011/103640)  
[30] AU (2010900840) 2010-02-26  
[30] AU (2010902730) 2010-06-21

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[11] **2,791,179**  
[13] C

[51] **Int.Cl. H04W 48/08 (2009.01)**  
[25] EN  
[54] **METHOD AND ARRANGEMENT FOR A TERMINAL OF A WIRELESS COMMUNICATION NETWORK**  
[54] **PROCEDE ET AGENCEMENT DESTINE A UN TERMINAL D'UN RESEAU DE COMMUNICATION SANS FIL**  
[72] LINDOFF, BENGT, SE  
[72] KAZMI, MUHAMMED, SE  
[72] JADING, YLVA, SE  
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE  
[85] 2012-08-15  
[86] 2010-12-16 (PCT/EP2010/069877)  
[87] (WO2011/076658)  
[30] EP (09180303.1) 2009-12-22  
[30] US (61/297,323) 2010-01-22

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[13] C

[51] **Int.Cl. C08L 83/04 (2006.01) C09D 183/04 (2006.01)**  
[25] EN  
[54] **LIQUID CURABLE SILICONE RUBBER COMPOSITION AND WOVEN FABRIC COATED WITH CURED PRODUCT OF THE SAME COMPOSITION**  
[54] **COMPOSITION DE CAOUTCHOUC DE SILICONE LIQUIDE DURCISSABLE ET ETOFFE TISSEE REVETUE DU PRODUIT DURCI OBTENU A PARTIR DE CETTE COMPOSITION**  
[72] YAMAMOTO, SHINICHI, JP  
[72] TSUJI, YUICHI, JP  
[72] BLACKWOOD, WILLIAM R., US  
[73] DOW CORNING TORAY CO., LTD., JP  
[73] DOW CORNING CORPORATION, US  
[85] 2012-08-29  
[86] 2011-04-26 (PCT/US2011/033963)  
[87] (WO2011/137121)  
[30] US (61/329,589) 2010-04-30

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[13] C

[51] **Int.Cl. A61K 47/38 (2006.01)**  
[25] EN  
[54] **ALCOHOL RESISTANT ENTERIC PHARMACEUTICAL COMPOSITIONS**  
[54] **COMPOSITIONS PHARMACEUTIQUES ENTERIQUES RESISTANTES AUX ALCOOLS**  
[72] LIVERSIDGE, GARY, US  
[72] MANSER, DAVID, IE  
[72] SHAH, HARDIK, IE  
[72] RUDDY, STEPHEN B., US  
[72] REKHI, GURVINDER SINGH, US  
[73] ALKERMES PHARMA IRELAND LIMITED, IE  
[85] 2012-09-07  
[86] 2011-03-09 (PCT/US2011/027736)  
[87] (WO2011/112709)  
[30] US (61/312,081) 2010-03-09  
[30] US (61/322,567) 2010-04-09  
[30] US (61/324,656) 2010-04-15  
[30] US (61/353,950) 2010-06-11  
[30] US (61/366,825) 2010-07-22

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[11] **2,792,588**  
[13] C

[51] **Int.Cl. A01K 1/06 (2006.01)**  
[25] EN  
[54] **A RESTRAINING APPARATUS**  
[54] **UN DISPOSITIF DE RETENUE**  
[72] KEONG, STEVEN K., AU  
[73] NEAT INVESTMENTS PTY LTD., AU  
[86] (2792588)  
[87] (2792588)  
[22] 2012-10-23  
[30] AU (2011239290) 2011-10-24

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[11] **2,792,607**  
[13] C

[51] **Int.Cl. A61B 5/0476 (2006.01)**  
[25] EN  
[54] **METHOD AND DEVICE FOR REMOVING EEG ARTIFACTS**  
[54] **PROCEDE ET DISPOSITIF DESTINES A ELIMINER LES ARTEFACTS SUR LES EEG**  
[72] ISENHART, ROBERT, US  
[72] JACQUIN, ARNAUD, US  
[72] PRICHEP, LESLIE, US  
[73] BRAINSCOPE COMPANY, INC., US  
[73] NEW YORK UNIVERSITY, US  
[85] 2012-09-10  
[86] 2011-03-09 (PCT/US2011/027651)  
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[30] US (12/720,861) 2010-03-10

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[11] **2,794,346**  
[13] C

[51] **Int.Cl. E21B 17/18 (2006.01)**  
[25] EN  
[54] **PRESSURE CONTROLLED WELL CONSTRUCTION AND OPERATION SYSTEMS AND METHODS USABLE FOR HYDROCARBON OPERATIONS, STORAGE AND SOLUTION MINING**

[54] **CONSTRUCTION DE PUITTS A PRESSION REGULEE ET SYSTEMES ET PROCEDES DE FONCTIONNEMENT UTILISABLES POUR DES OPERATIONS, LE STOCKAGE ET L'EXTRACTION PAR DISSOLUTION D'HYDROCARBURES**

[72] TUNGET, BRUCE A., GB  
[73] TUNGET, BRUCE A., GB  
[85] 2012-09-25  
[86] 2011-03-01 (PCT/US2011/000372)  
[87] (WO2011/119197)  
[30] GB (GB1010480.0) 2010-06-22  
[30] GB (GB1011290.2) 2010-07-05

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[11] **2,794,412**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01)**  
[25] EN  
[54] **SOCIAL GRAPH THAT INCLUDES WEB PAGES OUTSIDE OF A SOCIAL NETWORKING SYSTEM**

[54] **GRAPHE SOCIAL CONTENANT DES PAGES WEB A L'EXTERIEUR D'UN SYSTEME DE RESEAUTAGE SOCIAL**

[72] TAYLOR, BRET STEVEN, US  
[72] VERNAL, MICHAEL STEVEN, US  
[72] CAIN, GERALD RICHARD, US  
[72] KINSEY, MARK WILLIAM, US  
[73] FACEBOOK, INC., US  
[85] 2012-09-24  
[86] 2011-04-14 (PCT/US2011/032564)  
[87] (WO2011/133402)  
[30] US (12/764,929) 2010-04-21

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[11] **2,794,604**  
[13] C

[51] **Int.Cl. B32B 27/08 (2006.01) B32B 7/12 (2006.01) B32B 27/32 (2006.01) C08J 5/18 (2006.01)**

[25] EN  
[54] **MULTI-LAYER, ETHYLENE POLYMER-BASED FILMS WITH HIGH-DENSITY POLYETHYLENE BASED STIFFENING LAYER**

[54] **PELLICULES MULTICOUCHES A BASE DE POLYMERES D'ETHYLENE AVEC COUCHE RIGIDIFIANTE A BASE DE POLYETHYLENE HAUTE DENSITE**

[72] BRECK, ALAN KEITH, CA  
[73] LIQUI-BOX CORPORATION, US  
[85] 2012-09-25  
[86] 2011-04-14 (PCT/US2011/032452)  
[87] (WO2011/130489)  
[30] US (61/324,843) 2010-04-16

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[13] C

[51] **Int.Cl. A61K 38/28 (2006.01) A61K 9/20 (2006.01) A61K 47/40 (2006.01)**

[25] EN  
[54] **AN INSULIN CONJUGATE USING AN IMMUNOGLOBULIN FRAGMENT**

[54] **CONJUGUE D'INSULINE UTILISANT UN FRAGMENT D'IMMUNOGLOBULINE**

[72] SONG, DAE HAE, KR  
[72] SHIN, JAE HEE, KR  
[72] PARK, YOUNG JIN, KR  
[72] IM, DAE SEONG, KR  
[72] BAE, SUNG MIN, KR  
[72] KWON, SE CHANG, KR  
[73] HANMI SCIENCE CO., LTD., KR  
[85] 2012-10-02  
[86] 2011-04-04 (PCT/KR2011/002331)  
[87] (WO2011/122921)  
[30] KR (10-2010-0030575) 2010-04-02

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[13] C

[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/5517 (2006.01) A61P 35/00 (2006.01)**

[25] EN  
[54] **PYRROLOBENZODIAZEPINES USED TO TREAT PROLIFERATIVE DISEASES**

[54] **PYRROLOBENZODIAZEPINES UTILISEES POUR TRAITER DES MALADIES PROLIFERATIVES**

[72] HOWARD, PHILIP WILSON, GB  
[72] MASTERSON, LUKE, GB  
[72] TIBERGHEN, ARNAUD, GB  
[72] JEFFREY, SCOTT, US  
[72] BURKE, PATRICK, US  
[72] SENTER, PETER, US  
[73] SEATTLE GENETICS, INC., US  
[73] MEDIMMUNE LIMITED, GB  
[85] 2012-10-02  
[86] 2011-04-15 (PCT/US2011/032668)  
[87] (WO2011/130616)  
[30] US (61/324,453) 2010-04-15

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[13] C

[51] **Int.Cl. H04N 19/61 (2014.01) H04N 19/119 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/52 (2014.01) H04N 19/91 (2014.01)**

[25] EN  
[54] **MOVING IMAGE ENCODING DEVICE AND MOVING IMAGE DECODING DEVICE**

[54] **DISPOSITIF D'ENCODAGE D'IMAGE EN MOUVEMENT ET DISPOSITIF DE DECODAGE D'IMAGE EN MOUVEMENT**

[72] MORIYA, YOSHIMI, JP  
[72] SEKIGUCHI, SHUNICHI, JP  
[72] SUGIMOTO, KAZUO, JP  
[72] ASAI, KOHTARO, JP  
[72] MURAKAMI, TOKUMICHI, JP  
[73] MITSUBISHI ELECTRIC CORPORATION, JP  
[85] 2012-10-03  
[86] 2011-03-31 (PCT/JP2011/001953)  
[87] (WO2011/125313)  
[30] JP (2010-090534) 2010-04-09

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[13] C

[51] **Int.Cl. C08B 30/14 (2006.01) C08B 30/16 (2006.01) C08B 31/00 (2006.01)**  
[25] EN  
[54] **PROCESS FOR MODIFYING STARCHES**  
[54] **PROCEDE POUR LA MODIFICATION D'AMIDONS**  
[72] BERCKMANS, MARC, BE  
[72] COPPIN, JOZEF VICTOR JEAN-MARIE, BE  
[72] DEBON, STEPHANE JULES JEROME, BE  
[73] CARGILL, INCORPORATED, US  
[85] 2012-10-05  
[86] 2011-04-07 (PCT/EP2011/055454)  
[87] (WO2011/124656)  
[30] EP (10159277.2) 2010-04-07

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[13] C

[51] **Int.Cl. C07C 31/135 (2006.01) C07C 33/14 (2006.01) C07C 403/08 (2006.01) A61K 8/34 (2006.01) C11B 9/00 (2006.01)**  
[25] EN  
[54] **COMPOUNDS WITH A WOODY NOTE**  
[54] **COMPOSES A LA NOTE BOISEETE**  
[72] MURATORE, AGNES, FR  
[72] CHANOT, JEAN-JACQUES, FR  
[73] V. MANE FILS, FR  
[85] 2012-10-30  
[86] 2011-05-04 (PCT/IB2011/051976)  
[87] (WO2011/138747)  
[30] FR (10 01938) 2010-05-05

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[11] **2,798,088**  
[13] C

[51] **Int.Cl. G01V 1/24 (2006.01)**  
[25] EN  
[54] **CATERPILLAR-STYLE SEISMIC DATA ACQUISITION USING AUTONOMOUS, CONTINUOUSLY RECORDING SEISMIC DATA RECORDERS**  
[54] **ACQUISITION DE DONNEES SISMIQUES DU TYPE A CHENILLES UTILISANT DES ENREGISTREURS DE DONNEES SISMIQUES AUTONOMES A ENREGISTREMENT CONTINU**  
[72] EICK, PETER M., US  
[72] BREWER, JOEL D., US  
[72] SHAN, SHAN, US  
[73] CONOCOPHILLIPS COMPANY, US  
[85] 2012-10-29  
[86] 2011-04-21 (PCT/US2011/033439)  
[87] (WO2011/137028)  
[30] US (61/330,049) 2010-04-30  
[30] US (13/090,748) 2011-04-20

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[13] C

[51] **Int.Cl. C08J 9/32 (2006.01) B29C 44/02 (2006.01) B29C 44/04 (2006.01) B29C 44/34 (2006.01) B29C 70/66 (2006.01)**  
[25] EN  
[54] **ENHANCED PROCESS FOR THE PRODUCTION OF EXPANDED PVC AND PLASTIC MATERIALS BASED ON EXPANDED PVC OBTAINED THEREWITH**  
[54] **PROCEDE PERFECTIONNE POUR LA PRODUCTION DE PVC EXPANSE, ET MATERIAUX PLASTIQUES A BASE DE PVC EXPANSE OBTENUS A L'AIDE DE CE PROCEDE**  
[72] LAURI, LEONE, IT  
[72] PETERSSON, EVA-LOTTA MAGDALENA, SE  
[72] BRESSAN, RAFFAELA, IT  
[72] HAMED, SAMIA MARIAM, US  
[73] DIAB INTERNATIONAL AB, SE  
[85] 2012-11-13  
[86] 2011-06-07 (PCT/EP2011/002898)  
[87] (WO2011/154161)  
[30] IT (MI2010A001058) 2010-06-11  
[30] IT (MI2011A000961) 2011-05-27

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[11] **2,799,444**  
[13] C

[51] **Int.Cl. G06T 15/20 (2011.01) G06F 3/048 (2013.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR RENDERING A LOCATION-BASED USER INTERFACE**  
[54] **PROCEDE ET APPAREIL DE RENDU D'UNE INTERFACE D'UTILISATEUR BASEE SUR LA LOCALISATION**  
[72] CASTRO, BRENDA, FI  
[72] MURPHY, DAVID JOSEPH, FI  
[73] NOKIA TECHNOLOGIES OY, FI  
[85] 2012-11-14  
[86] 2011-02-10 (PCT/FI2011/050126)  
[87] (WO2011/144800)  
[30] US (12/780,913) 2010-05-16

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[11] **2,800,390**  
[13] C

[51] **Int.Cl. F41H 7/04 (2006.01) B62D 39/00 (2006.01) F41H 5/007 (2006.01) F41H 13/00 (2006.01)**  
[25] EN  
[54] **VEHICLE STABILIZATION IN THE EVENT OF LARGE DETONATION**  
[54] **STABILISATION DE VEHICULE EN CAS DE FORTE DETONATION**  
[72] SLOMAN, ROGER MARK, GB  
[73] ADVANCED BLAST & BALLISTIC SYSTEMS LIMITED, GB  
[85] 2012-11-22  
[86] 2010-10-14 (PCT/GB2010/051732)  
[87] (WO2011/148118)  
[30] GB (1008903.5) 2010-05-27  
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[13] C

[51] **Int.Cl. G02B 6/44 (2006.01) B29B 15/10 (2006.01) B29B 15/12 (2006.01)**

[25] EN

[54] **PARTIALLY IMPREGNATED, FIBER REINFORCED THERMOPLASTIC STRENGTH MEMBER**

[54] **ELEMENT DE RENFORT THERMOPLASTIQUE RENFORCE PAR DES FIBRES ET PARTIELLEMENT IMPREGNE**

[72] CHEN, BUO, US

[72] VAN POUCKE, JEROEN, BE

[73] DOW GLOBAL TECHNOLOGIES LLC, US

[85] 2012-11-28

[86] 2011-05-23 (PCT/US2011/037517)

[87] (WO2011/156122)

[30] US (61/352,571) 2010-06-08

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[13] C

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[25] EN

[54] **DEVICE FOR MIXING AND DISPENSING OF TWO-COMPONENT REACTIVE SURGICAL SEALANT**

[54] **DISPOSITIF DE MELANGE ET DE DISTRIBUTION D'UN AGENT DE SCHELLEMENT CHIRURGICAL BICOMPOSANT REACTIF**

[72] ROUSH, DANIEL E., US

[72] STEVENS, JUSTIN, US

[72] YARDIMCI, ATIF M., US

[73] BAXTER INTERNATIONAL INC., US

[73] BAXTER HEALTHCARE S.A., CH

[85] 2012-11-28

[86] 2011-06-24 (PCT/US2011/041720)

[87] (WO2012/087378)

[30] US (12/823,786) 2010-06-25

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[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4985 (2006.01) A61P 9/00 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) C07D 207/337 (2006.01) C07D 241/06 (2006.01)**

[25] EN

[54] **3,4-DIHYDROPYRROLO[1,2-A]PYRAZINE-2,8(1H)-DICARBOXAMIDE DERIVATIVES, PREPARATION THEREOF AND THERAPEUTIC USE THEREOF**

[54] **DERIVES DE 3,4-DIHYDROPYRROLO[1,2-A]PYRAZINE-2,8(1H)-DICARBOXAMIDE, LEUR PREPARATION ET LEUR UTILISATION THERAPEUTIQUE**

[72] COTE-DES-COMBES, SYLVAIN, FR

[72] FROISSANT, JACQUES, FR

[72] GIBERT, JEAN-FRANCOIS, FR

[72] MARGUET, FRANK, FR

[72] PACAUD, CHRISTOPHE, FR

[72] PUECH, FREDERIC, FR

[72] RAVET, ANTOINE, FR

[73] SANOFI, FR

[85] 2012-11-29

[86] 2011-06-01 (PCT/IB2011/001594)

[87] (WO2011/161537)

[30] FR (1054372) 2010-06-03

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[11] **2,801,349**  
[13] C

[51] **Int.Cl. G03B 17/26 (2006.01) G03B 17/02 (2006.01) H04N 5/225 (2006.01)**

[25] EN

[54] **SIX-AXIS MOUNT**

[54] **MONTANT SIX AXES**

[72] TSENG, JEFFREY SHIE PING, US

[72] MOLIN, HANS, US

[72] KRETER, TODD WILLIAM, US

[72] CHARNOCK, ROBERT GEORGE, US

[72] STEARNS, BRADLEY STEVEN, US

[73] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US

[85] 2012-12-03

[86] 2010-06-17 (PCT/US2010/039024)

[87] (WO2011/152838)

[30] US (12/793,040) 2010-06-03

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[13] C

[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61K 31/713 (2006.01) A61K 45/00 (2006.01) A61K 48/00 (2006.01) A61P 13/12 (2006.01) A61P 43/00 (2006.01)**

[25] EN

[54] **AGENT FOR TREATING RENAL FIBROSIS**

[54] **AGENT POUR LE TRAITEMENT DE LA FIBROSE RENALE**

[72] NIITSU, YOSHIRO, JP

[72] KAJIWARA, KEIKO, JP

[72] TANAKA, YASUNOBU, JP

[72] MIYAZAKI, MIYONO, JP

[73] NITTO DENKO CORPORATION, JP

[85] 2012-12-11

[86] 2011-06-17 (PCT/JP2011/063910)

[87] (WO2011/158933)

[30] JP (2010-138070) 2010-06-17

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[11] **2,802,680**  
[13] C

[51] **Int.Cl. B23K 11/00 (2006.01) B23K 11/18 (2006.01)**

[25] EN

[54] **WELDING ASSEMBLY AND METHOD**

[54] **ENSEMBLE ET PROCEDE DE SOUDAGE**

[72] ANANTHANARAYANAN, VENKATASUBRAMANIAN, US

[73] INNOVATIVE WELD SOLUTIONS LTD., US

[85] 2012-12-13

[86] 2011-06-03 (PCT/US2011/038993)

[87] (WO2011/162928)

[30] US (12/820,596) 2010-06-22

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[13] C

[51] **Int.Cl. F01D 5/26 (2006.01) F01D 9/04 (2006.01) F01D 25/24 (2006.01)**  
[25] FR  
[54] **ANGULAR STATOR SECTOR FOR A TURBOMACHINE COMPRESSOR, TURBOMACHINE STATOR AND TURBOMACHINE COMPRISING SUCH A SECTOR**  
[54] **SECTEUR ANGULAIRE DE REDRESSEUR POUR COMPRESSEUR DE TURBOMACHINE**  
[72] CLOAREC, YVON, FR  
[73] SNECMA, FR  
[85] 2012-12-14  
[86] 2011-06-16 (PCT/FR2011/051373)  
[87] (WO2011/157957)  
[30] FR (1054851) 2010-06-18

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[11] **2,803,456**  
[13] C

[51] **Int.Cl. H01P 3/08 (2006.01)**  
[25] EN  
[54] **FEED NETWORK AND ANTENNA RESEAU D'ALIMENTATION ET ANTENNE**  
[72] LI, JIANPING, CN  
[72] XIE, GUOQING, CN  
[72] XIAO, WEIHONG, CN  
[72] DUAN, DEQIN, CN  
[73] HUAWEI TECHNOLOGIES CO., LTD., CN  
[85] 2012-12-20  
[86] 2011-05-12 (PCT/CN2011/073978)  
[87] (WO2011/140990)  
[30] CN (201010215927.9) 2010-06-29

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[13] C

[51] **Int.Cl. C09D 11/32 (2014.01) B41J 2/01 (2006.01)**  
[25] EN  
[54] **INK COMPOSITION, INKJET RECORDING METHOD, AND COLORED MATERIAL**  
[54] **COMPOSITION D'ENCRE, PROCEDE D'ENREGISTREMENT A JET D'ENCRE, ET SUBSTANCE COLOREE**  
[72] KAWAGUCHI, AKIRA, JP  
[72] MATSUI, TAKAHIKO, JP  
[72] YOSHIMOTO, TAKASHI, JP  
[72] OOSHIMA, KENJI, JP  
[73] NIPPON KAYAKU KABUSHIKI KAISHA, JP  
[85] 2012-12-24  
[86] 2011-06-24 (PCT/JP2011/064543)  
[87] (WO2012/002277)  
[30] JP (2010-150806) 2010-07-01

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[11] **2,804,205**  
[13] C

[51] **Int.Cl. C12Q 1/54 (2006.01) C12Q 1/02 (2006.01) G01N 33/52 (2006.01)**  
[25] EN  
[54] **METHOD TO MEASURE THE METABOLIC RATE OR RATE OF GLUCOSE CONSUMPTION OF CELLS OR TISSUES WITH HIGH SPATIOTEMPORAL RESOLUTION USING A GLUCOSE NANOSENSOR**  
[54] **METHODE DE MESURE DU TAUX METABOLIQUE OU DU TAUX DE CONSOMMATION DU GLUCOSE PAR DES CELLULES OU DES TISSUS A UNE RESOLUTION SPATIOTEMPORELLE ELEVEE A L'AIDE D'UN NANOCAPTEUR DE GLUCOSE**  
[72] BARROS OLMEDO, LUIS FELIPE, CL  
[72] BITTNER HOFMANN, CARLA XIMENA, CL  
[73] CARNEGIE, INSTITUTION OF WASHINGTON, US  
[73] CENTRO DE ESTUDIOS CIENTIFICOS DE VALDIVIA, CL  
[85] 2012-12-28  
[86] 2010-06-30 (PCT/US2010/040643)  
[87] (WO2012/002963)

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[11] **2,804,780**  
[13] C

[51] **Int.Cl. H04N 19/52 (2014.01) H04N 19/137 (2014.01) H04N 19/14 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/184 (2014.01) H04N 19/46 (2014.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ENCODING VIDEO BY USING BLOCK MERGING, AND METHOD AND APPARATUS FOR DECODING VIDEO BY USING BLOCK MERGING**  
[54] **PROCEDE ET APPAREIL D'ENCODAGE VIDEO AU MOYEN D'UNE FUSION DE BLOCS, ET PROCEDE ET APPAREIL DE DECODAGE VIDEO AU MOYEN D'UNE FUSION DE BLOCS**  
[72] LEE, TAMMY, KR  
[72] HAN, WOO-JIN, KR  
[72] KIM, IL-KOO, KR  
[72] LEE, SUN-IL, KR  
[73] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2013-01-08  
[86] 2011-07-07 (PCT/KR2011/004969)  
[87] (WO2012/005520)  
[30] US (61/362,829) 2010-07-09  
[30] US (61/367,952) 2010-07-27  
[30] KR (10-2011-0006486) 2011-01-21

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[11] **2,806,518**  
[13] C

[51] **Int.Cl. H04L 12/16 (2006.01)**  
[25] EN  
[54] **WEB COMMUNITY PRE-POPULATION METHOD AND SYSTEM**  
[54] **PROCEDE ET SYSTEME DE PRE-POPULATION DE COMMUNAUTE INTERNET**  
[72] ROMAN, JONATHAN, US  
[72] IRVING, CATHLEEN, US  
[73] AVON PRODUCTS, INC., US  
[85] 2013-01-24  
[86] 2010-08-17 (PCT/US2010/045710)  
[87] (WO2012/023927)  
[30] US (12/857,064) 2010-08-16

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[11] **2,811,221**  
[13] C

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[25] EN

[54] **HUMANIZED AND CHIMERIC ANTI-PROPERDIN ANTIBODIES**

[54] **ANTICORPS ANTI-PROPERDINE HUMANISES ET CHIMERIQUES**

[72] BANSAL, REKHA, US

[73] NOVELMED THERAPEUTICS, INC., US

[85] 2013-03-11

[86] 2011-03-10 (PCT/US2011/027964)

[87] (WO2011/112850)

[30] US (61/312,469) 2010-03-10

[30] US (12/920,997) 2010-09-03

[30] US (PCT/US2011/026841) 2011-03-02

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[11] **2,811,312**  
[13] C

[51] **Int.Cl. C08L 53/00 (2006.01) C08L 23/02 (2006.01) F16L 11/04 (2006.01) A61M 39/08 (2006.01)**

[25] EN

[54] **A FLEXIBLE MATERIAL AND ARTICLES MADE THEREFROM**

[54] **MATERIAU SOUPLE ET ARTICLES FABRIQUES A PARTIR DE CELUI-CI**

[72] SIDDHAMALLI, SRIDHAR KRISHNAMURTHI, US

[72] SIMON, MARK W., US

[73] SAINT-GOBAIN PERFORMANCE PLASTICS CORPORATION, US

[85] 2013-03-13

[86] 2011-09-16 (PCT/US2011/051941)

[87] (WO2012/037462)

[30] US (61/384,126) 2010-09-17

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[11] **2,811,774**  
[13] C

[51] **Int.Cl. G16H 20/10 (2018.01) A47B 67/02 (2006.01) A47B 81/00 (2006.01) A47F 10/00 (2006.01) A61G 12/00 (2006.01) A61J 7/00 (2006.01) B65G 1/137 (2006.01)**

[25] EN

[54] **PHARMACEUTICAL STORAGE AND RETRIEVAL SYSTEM AND METHODS OF STORING AND RETRIEVING PHARMACEUTICALS**

[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION DE PRODUITS PHARMACEUTIQUES ET PROCEDES DE STOCKAGE ET DE RECUPERATION DE PRODUITS PHARMACEUTIQUES**

[72] HOLMES, WILLIAM K., US

[72] JAMES, MICHAEL, US

[72] GAASCH, THOMAS F., US

[73] RX-SAFE, LLC, US

[85] 2013-03-19

[86] 2011-08-29 (PCT/US2011/049543)

[87] (WO2012/027741)

[30] US (12/870,045) 2010-08-27

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[11] **2,812,391**  
[13] C

[51] **Int.Cl. G06Q 30/02 (2012.01) H04L 12/58 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR ADVERTISING**

[54] **SYSTEME ET PROCEDE DE PUBLICITE**

[72] KHAN, SOHEL, US

[73] COMCAST CABLE COMMUNICATIONS, LLC, US

[86] (2812391)

[87] (2812391)

[22] 2013-04-11

[30] US (13/445,695) 2012-04-12

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[11] **2,813,196**  
[13] C

[51] **Int.Cl. A01K 3/00 (2006.01) E04H 17/00 (2006.01) E04H 17/02 (2006.01) E04H 17/06 (2006.01)**

[25] EN

[54] **SECURITY DEVICE AND SYSTEM**

[54] **DISPOSITIF ET SYSTEME DE SECURITE**

[72] TYRRELL, KAREN RUTH, NZ

[72] MALINS, CRAIG DAVID, NZ

[72] SPENCER, RICHMOND BALCOMBE, NZ

[73] GALLAGHER GROUP LIMITED, NZ

[85] 2013-03-28

[86] 2010-10-04 (PCT/NZ2010/000195)

[87] (WO2011/040826)

[30] NZ (580207) 2009-10-02

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[11] **2,813,923**  
[13] C

[51] **Int.Cl. F01D 25/20 (2006.01) F01D 25/32 (2006.01) F02C 7/06 (2006.01) F16K 17/04 (2006.01)**

[25] FR

[54] **LUBRICATING DEVICE HAVING A BYPASS VALVE**

[54] **DISPOSITIF DE LUBRIFICATION AVEC VANNE DE DERIVATION**

[72] DETRY, SEBASTIEN, FR

[72] CAZAUX, YANNICK, FR

[72] DESCUBES, OLIVIER PIERRE, FR

[73] TURBOMECA, FR

[85] 2013-04-05

[86] 2011-10-11 (PCT/FR2011/052365)

[87] (WO2012/052658)

[30] FR (1058550) 2010-10-20

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[11] **2,815,499**  
[13] C

[51] **Int.Cl. A61B 90/00 (2016.01) A61M 25/10 (2013.01) A61B 1/32 (2006.01) A61B 18/12 (2006.01)**

[25] EN

[54] **NASOGASTRIC TUBE FOR USE DURING AN ABLATION PROCEDURE**

[54] **TUBE NASOGASTRIQUE DESTINE A ETRE UTILISE DURANT UNE PROCEDURE D'ABLATION**

[72] MALONEY, JAMES D., US

[73] MALONEY, JAMES D., US

[85] 2013-04-22

[86] 2011-10-19 (PCT/US2011/056886)

[87] (WO2012/054603)

[30] US (12/909,195) 2010-10-21

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[13] C

[51] **Int.Cl. A61M 15/00 (2006.01)**  
[25] EN  
[54] **INHALATOR**  
[54] **INHALATEUR**  
[72] ANDRADE, LAURA, ES  
[72] RUIZ, JOSE RAMON, ES  
[72] RONCHI, CELESTINO, ES  
[72] CASTELLUCCI, ALESSANDRO, ES  
[73] LABORATORIOS LICONSA, S.A., ES  
[85] 2013-05-13  
[86] 2011-12-05 (PCT/EP2011/071775)  
[87] (WO2012/076479)  
[30] GB (1020638.1) 2010-12-06

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[11] **2,817,850**  
[13] C

[51] **Int.Cl. H02J 1/00 (2006.01) B60L 1/00 (2006.01)**  
[25] EN  
[54] **POWER SOURCE**  
[54] **SOURCE DE COURANT**  
[72] GUELTIG, MICHAEL, DE  
[73] INIT INNOVATIVE  
INFORMATIKANWENDUNGEN IN  
TRANSPORT-, VERKEHRS-UND  
LEITSYSTEMEN GMBH, DE  
[85] 2013-05-14  
[86] 2011-10-11 (PCT/DE2011/050044)  
[87] (WO2012/065601)  
[30] DE (10 2010 051 406.3) 2010-11-16

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[11] **2,819,048**  
[13] C

[51] **Int.Cl. F16K 1/38 (2006.01)**  
[25] EN  
[54] **METHOD OF JOINING A  
CERAMIC PLUG TIP AND A  
STEEL SUPPORT MEMBER  
USING A THREADED JOINT AND  
AN ADHESIVE**  
[54] **PROCEDE DE JONCTION D'UNE  
POINTE D'OPERCULE  
CERAMIQUE ET D'UN ELEMENT  
SUPPORT EN ACIER UTILISANT  
UN JOINT FILETE ET UN  
ADHESIF**  
[72] GAO, CHUN, CN  
[72] YU, ZHONGWEI, CN  
[72] CHEN, ZHENG YU, CN  
[73] EMERSON PROCESS  
MANAGEMENT (TIANJIN) VALVES  
CO., LTD, CN  
[85] 2013-05-24  
[86] 2010-12-01 (PCT/CN2010/079341)  
[87] (WO2012/071723)

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[13] C

[51] **Int.Cl. F23Q 2/173 (2006.01)**  
[25] EN  
[54] **VALVE ASSEMBLY FOR A  
LIGHTER AND GAS LIGHTER  
COMPRISING SUCH VALVE  
ASSEMBLY**  
[54] **ENSEMBLE DE SOUPAPE  
DESTINE A UN BRIQUET ET  
BRIQUET A GAZ COMPRENANT  
UN TEL ENSEMBLE DE SOUPAPE**  
[72] LEFEBVRE, GUY, FR  
[72] LEFEBVRE, YANN, FR  
[73] SOCIETE BIC, FR  
[85] 2013-05-30  
[86] 2010-12-09 (PCT/IB2010/003413)  
[87] (WO2012/076925)

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[13] C

[51] **Int.Cl. C07D 401/04 (2006.01) A61K  
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(2006.01) C07D 401/14 (2006.01)  
C07D 413/14 (2006.01)**  
[25] EN  
[54] **PYRIDINE AMIDE DERIVATIVES  
AS EP4 RECEPTOR  
ANTAGONISTS**  
[54] **DERIVES DE PYRIDINAMIDE EN  
TANT QU'ANTAGONISTES DE  
RECEPTEUR EP4**  
[72] BORRIELLO, MANUELA, IT  
[72] ROVATI, LUCIO, IT  
[72] STASI, LUIGI PIERO, IT  
[72] BUZZI, BENEDETTA, IT  
[72] COLACE, FABRIZIO, IT  
[73] ROTTAPHARM BIOTECH S.R.L., IT  
[85] 2013-06-05  
[86] 2010-12-10 (PCT/EP2010/069355)  
[87] (WO2012/076063)

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[11] **2,820,626**  
[13] C

[51] **Int.Cl. B60K 6/00 (2007.10) B60L  
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H01M 10/44 (2006.01) H02J 7/00  
(2006.01)**  
[25] EN  
[54] **ENERGY STORAGE SYSTEM FOR  
HYBRID ELECTRIC VEHICLE**  
[54] **SYSTEME DE STOCKAGE  
D'ENERGIE POUR UN VEHICULE  
ELECTRIQUE HYBRIDE**  
[72] YOUNGS, DANIEL J., US  
[72] BIEHL, KURT, US  
[72] BASS, EDWARD, US  
[72] SCHNEIDER, ERIC D., US  
[72] BAILEY, FELICE E., US  
[72] REYBURN, STEVEN T., US  
[73] ALLISON TRANSMISSION, INC., US  
[85] 2013-06-06  
[86] 2011-12-07 (PCT/US2011/063684)  
[87] (WO2012/078721)  
[30] US (61/420,389) 2010-12-07

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[11] **2,821,671**  
[13] C

[51] **Int.Cl. G09B 19/00 (2006.01) B23K  
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[25] EN  
[54] **WELDING TRAINING SYSTEM**  
[54] **SYSTEME D'APPRENTISSAGE DE  
SOUDAGE**  
[72] PENROD, VICTOR M., US  
[72] REICHERT LAMORTE,  
CONSTANCE T., US  
[72] BOULWARE, PAUL C., US  
[72] CONRARDY, CHRISTOPHER C., US  
[73] LINCOLN GLOBAL, INC., US  
[85] 2013-06-13  
[86] 2010-12-13 (PCT/US2010/060129)  
[87] (WO2012/082105)  
[30] US (12/966,570) 2010-12-13

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[13] C

[51] **Int.Cl. H01B 3/22 (2006.01) C08K 5/10 (2006.01) C08K 5/20 (2006.01) H01B 3/44 (2006.01) H01B 7/28 (2006.01) H01B 17/34 (2006.01)**

[25] EN

[54] **ENERGY CABLE HAVING STABILIZED DIELECTRIC RESISTANCE**

[54] **CABLE D'ENERGIE A RESISTANCE DIELECTRIQUE STABILISEE**

[72] PEREGO, GABRIELE, IT  
[72] BELLI, SERGIO, IT  
[73] PRYSMIAN S.P.A., IT  
[85] 2013-06-14  
[86] 2010-12-23 (PCT/IB2010/003342)  
[87] (WO2012/085612)

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[11] **2,821,988**  
[13] C

[51] **Int.Cl. B25B 7/14 (2006.01) B25B 3/00 (2006.01) B25B 5/00 (2006.01) B25B 7/00 (2006.01)**

[25] EN

[54] **SPRING CLAMP**

[54] **PINCE A RESSORT**

[72] LI, YUEMING, CN  
[73] HANGZHOU GREAT STAR INDUSTRIAL CO., LTD., CN  
[73] HANGZHOU GREAT STAR TOOLS CO., LTD., CN  
[85] 2013-06-17  
[86] 2010-12-15 (PCT/CN2010/079841)  
[87] (WO2012/079234)

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[11] **2,822,112**  
[13] C

[51] **Int.Cl. F03D 1/00 (2006.01) F03D 13/20 (2016.01) F03D 80/00 (2016.01) E01F 3/00 (2006.01)**

[25] EN

[54] **WIND POWER INSTALLATION WITH HELICOPTER HOISTING PLATFORM**

[54] **INSTALLATION D'ENERGIE EOLIENNE COMPORTANT UNE PLATEFORME D'HELITREUILLAGE**

[72] KOHNE, ANSGAR, DE  
[72] ARNDT, JOACHIM, DE  
[73] AREVA WIND GMBH, DE  
[85] 2013-06-18  
[86] 2011-12-27 (PCT/EP2011/074078)  
[87] (WO2012/089726)  
[30] EP (10016098.5) 2010-12-27

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[11] **2,822,874**  
[13] C

[51] **Int.Cl. B29C 47/02 (2006.01) B29C 47/86 (2006.01) B29C 47/88 (2006.01) G02B 6/44 (2006.01)**

[25] EN

[54] **DIE ASSEMBLY WITH COOLED DIE LAND**

[54] **LOGEMENT DE MATRICE DOTE D'UNE PARTIE DE FILIERE A SECTION CONSTANTE REFROIDIE**

[72] YANG, YONGYONG, CN  
[72] BROWN, GEOFFREY D., US  
[72] MUNDRA, MANISH K., US  
[72] LI, BIN, CN  
[72] ZHU, JOURNEY LU, CN  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
[85] 2013-06-25  
[86] 2010-12-30 (PCT/CN2010/080515)  
[87] (WO2012/088692)

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[11] **2,823,078**  
[13] C

[51] **Int.Cl. G07C 5/00 (2006.01) G08C 17/02 (2006.01) G06Q 50/30 (2012.01)**

[25] EN

[54] **VEHICLE DATA ACQUISITION FOR TRANSPORTATION MANAGEMENT**

[54] **ACQUISITION DE DONNEES DE VEHICULE POUR LA GESTION DU TRANSPORT**

[72] MOHN, CHARLES, US  
[72] SEKULA, CHRISTOPHER A., CA  
[72] KAKUMANU, SARAT, US  
[72] TUTTLE, ODELL R., US  
[72] FUGLEWICZ, DANIEL P., US  
[72] ANDERSON, PETER S., US  
[72] MARTIN, THOMAS J., JR., US  
[73] XRS CORPORATION, US  
[86] (2823078)  
[87] (2823078)  
[22] 2013-08-07  
[30] US (61/682,004) 2012-08-10  
[30] US (13/729,987) 2012-12-28

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[11] **2,824,671**  
[13] C

[51] **Int.Cl. A01H 1/02 (2006.01) A01H 1/04 (2006.01) A23D 9/00 (2006.01) C11B 1/00 (2006.01) C12N 9/02 (2006.01) C12N 15/53 (2006.01)**

[25] EN

[54] **METHOD TO DEVELOP HIGH OLEIC ACID SOYBEANS USING CONVENTIONAL SOYBEAN BREEDING TECHNIQUES**

[54] **PROCEDE POUR DEVELOPPER DES SOJAS A HAUTE TENEUR EN ACIDE OLEIQUE UTILISANT DES TECHNIQUES DE SELECTION DE SOJA CLASSIQUES**

[72] BILYEU, KRISTIN D., US  
[72] SHANNON, JAMES GROVER, US  
[72] LEE, JEONG-DONG, US  
[72] PHAM, ANH TUNG, US  
[73] THE CURATORS OF THE UNIVERSITY OF MISSOURI, US  
[73] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US  
[85] 2013-07-09  
[86] 2012-01-17 (PCT/US2012/021535)  
[87] (WO2012/106105)  
[30] US (61/433,120) 2011-01-14

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[11] **2,825,840**  
[13] C

[51] **Int.Cl. B61H 13/04 (2006.01) B60T 7/08 (2006.01) B61H 13/34 (2006.01) G01L 5/04 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR SENSING APPLIED CONDITION OF A RAILROAD HANDBRAKE**

[54] **DISPOSITIF ET PROCEDE POUR LA DETECTION D'UN ETAT D'APPLICATION D'UN FREIN A MAIN POUR VEHICULE FERROVIAIRE**

[72] GREGAR, PETER, US  
[73] WABTEC HOLDING CORP., US  
[85] 2013-07-15  
[86] 2012-02-09 (PCT/US2012/024418)  
[87] (WO2012/112369)  
[30] US (13/028,454) 2011-02-16

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[11] **2,825,989**  
[13] C

[51] **Int.Cl. A61K 31/732 (2006.01) A61K 31/05 (2006.01) A61K 31/734 (2006.01) A61P 35/00 (2006.01)**

[25] EN  
[54] **ANTI-CANCER REGIMEN**  
[54] **REGIME ANTI-CANCER**  
[72] ELIAZ, ISAAC, US  
[73] ECONUGENICS, INC., US  
[85] 2013-07-29  
[86] 2011-01-31 (PCT/US2011/023090)  
[87] (WO2012/094030)  
[30] US (12/984,843) 2011-01-05

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[11] **2,827,216**  
[13] C

[51] **Int.Cl. C10J 3/66 (2006.01) C01B 3/12 (2006.01) C01B 3/24 (2006.01) C01B 3/34 (2006.01)**

[25] EN  
[54] **SOAK AND COKE**  
[54] **TREMPE ET COKE**  
[72] SCHMIDT, ROLAND, SA  
[72] LAFRANCOIS, CHRISTOPHER J., US  
[73] PHILLIPS 66 COMPANY, US  
[85] 2013-08-12  
[86] 2012-01-26 (PCT/US2012/022677)  
[87] (WO2012/109021)  
[30] US (61/441,926) 2011-02-11  
[30] US (13/357,989) 2012-01-25

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[11] **2,828,237**  
[13] C

[51] **Int.Cl. A01N 43/22 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) C07J 63/00 (2006.01) C07J 73/00 (2006.01)**

[25] EN  
[54] **METHOD FOR INDUCING RESISTANCE TO DISEASES IN PLANTS USING THE BRASSINOSTEROID PHYTOHORMONE**  
[54] **METHODE DESTINEE A INDUIRE LA RESISTANCE AUX MALADIES CHEZ LES PLANTES A L'AIDE DE PHYTOHORMONE BRASSINOSTEROIDE**  
[72] BORRAS HIDALGO, ORLANDO, CU  
[72] CANALES LOPEZ, EDUARDO, CU  
[72] PUJOL FERRER, MERARDO, CU  
[72] BORROTO NORDELO, CARLOS GUILLERMO, CU  
[72] COLL GARCIA, YAMILET, CU  
[73] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU  
[85] 2013-08-26  
[86] 2012-02-27 (PCT/CU2012/000001)  
[87] (WO2012/116664)  
[30] CU (2011-0046) 2011-02-28

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[11] **2,828,534**  
[13] C

[51] **Int.Cl. B65D 85/10 (2006.01) B65D 5/66 (2006.01)**

[25] EN  
[54] **A PACKAGE FOR SMOKING ARTICLES**  
[54] **PAQUET POUR DES ARTICLES A FUMER**  
[72] HOLFORD, STEVEN, GB  
[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB  
[85] 2013-08-28  
[86] 2012-02-22 (PCT/GB2012/050400)  
[87] (WO2012/120273)  
[30] GB (1103721.5) 2011-03-04  
[30] GB (1202667.0) 2012-02-16

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[11] **2,829,545**  
[13] C

[51] **Int.Cl. G01N 21/64 (2006.01) G02B 21/06 (2006.01)**

[25] EN  
[54] **TOTAL INTERNAL REFLECTION FLOURESCENCE (TIRF) MICROSCOPY ACROSS MULTIPLE WAVELENGTHS SIMULTANEOUSLY**  
[54] **MICROSCOPIE DE FLUORESCENCE A REFLEXION INTERNE TOTALE (TIRF) A TRAVERS DE MULTIPLES LONGUEURS D'ONDE SIMULTANEMENT**  
[72] BERMAN, RICHARD, CA  
[72] OREOPOULOS, JOHN, CA  
[72] SINCLAIR, PETER M., CA  
[73] SPECTRAL APPLIED RESEARCH INC., CA  
[86] (2829545)  
[87] (2829545)  
[22] 2013-10-15  
[30] US (61/713,232) 2012-10-12

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[11] **2,830,032**  
[13] C

[51] **Int.Cl. B65D 1/26 (2006.01) B65D 1/30 (2006.01)**

[25] EN  
[54] **PLASTIC FLANGED CONTAINERS AND FOOD PRODUCT PACK COMPRISING SUCH CONTAINERS**  
[54] **RECIPIENTS A COLLERETTE EN MATIERE PLASTIQUE ET EMBALLAGE DE PRODUIT ALIMENTAIRE COMPRENANT DE TELS RECIPIENTS**  
[72] FERRY, VINCENT, FR  
[73] COMPAGNIE GERVAIS DANONE, FR  
[85] 2013-09-12  
[86] 2011-03-15 (PCT/IB2011/000797)  
[87] (WO2012/123775)

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[13] C

[51] **Int.Cl. H02K 5/128 (2006.01) H02K 9/197 (2006.01)**  
[25] EN  
[54] **ELASTIC CONE FOR HERMETICALLY SEALED STATOR, CORRESPONDING MOTOR AND MANUFACTURING METHOD**  
[54] **CONE ELASTIQUE POUR STATOR FERME HERMETIQUEMENT, MOTEUR CORRESPONDANT ET PROCEDE DE FABRICATION**  
[72] MEI, LUCIANO, IT  
[72] PINZAUTI, MASSIMO, IT  
[73] NUOVO PIGNONE S.P.A., IT  
[85] 2013-09-12  
[86] 2011-03-23 (PCT/EP2011/054498)  
[87] (WO2012/126525)

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[13] C

[51] **Int.Cl. H02G 1/16 (2006.01) F16L 1/26 (2006.01) H01R 13/523 (2006.01) H02G 15/14 (2006.01)**  
[25] EN  
[54] **SUBSEA CABLE REPAIR REPARATION DE CABLES SOUS-MARINS**  
[72] AHLEN, CARL HENRIK, NO  
[72] BORNES, ATLE, NO  
[72] TJALAND, EVEN, NO  
[72] KRISTIANSEN, KAI ARNE, NO  
[73] STATOIL PETROLEUM AS, NO  
[85] 2013-09-24  
[86] 2011-03-25 (PCT/EP2011/054643)  
[87] (WO2012/130273)

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[11] **2,832,795**  
[13] C

[51] **Int.Cl. H01Q 1/24 (2006.01) H01Q 7/00 (2006.01) H01Q 13/08 (2006.01)**  
[25] EN  
[54] **SILK ELECTRONIC COMPONENTS AND THE METHOD FOR FABRICATING THE SAME**  
[54] **COMPOSANTS ELECTRONIQUES EN SOIE ET LA METHODE DE FABRICATION DESDITS COMPOSANTS**  
[72] KAPLAN, DAVID, US  
[72] OMENETTO, FIORENZO, US  
[72] TAO, HU, US  
[72] AVERITT, RICHARD, US  
[72] STRIKWERDA, ANDREW, US  
[72] ZHANG, XIN, US  
[72] TSIORIS, KONSTANTINOS, US  
[73] TUFTS UNIVERSITY, US  
[73] TRUSTEES OF BOSTON UNIVERSITY, US  
[85] 2013-10-09  
[86] 2011-04-12 (PCT/US2011/032195)  
[87] (WO2011/130335)  
[30] US (61/323,172) 2010-04-12  
[30] US (61/325,593) 2010-04-19  
[30] US (61/446,158) 2011-02-24

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[11] **2,833,881**  
[13] C

[51] **Int.Cl. B64D 33/08 (2006.01) B64D 29/00 (2006.01)**  
[25] EN  
[54] **BI-DIRECTIONAL VENTILATION SYSTEMS FOR USE WITH AIRCRAFT AND RELATED METHODS**  
[54] **SYSTEMES DE VENTILATION BIDIRECTIONNELLE A UTILISER DANS UN AERONEF ET PROCEDES CONNEXES**  
[72] SKILTON, TIMOTHY L., US  
[73] THE BOEING COMPANY, US  
[86] (2833881)  
[87] (2833881)  
[22] 2013-11-21  
[30] US (13/755,963) 2013-01-31

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[11] **2,834,968**  
[13] C

[51] **Int.Cl. A61K 47/44 (2017.01) A61K 9/127 (2006.01) A61K 31/375 (2006.01) A61K 31/385 (2006.01) A61K 38/06 (2006.01) A61K 47/10 (2017.01) A61K 47/24 (2006.01)**  
[25] EN  
[54] **METHODS OF MAKING LIPOSOMES, LIPOSOME COMPOSITIONS MADE BY THE METHODS, AND METHODS OF USING THE SAME**  
[54] **PROCEDES DE FABRICATION DE LIPOSOMES, COMPOSITIONS A BASE DE LIPOSOMES PREPAREES EN UTILISANT LES PROCEDES, ET PROCEDES D'UTILISATION ASSOCIES**  
[72] ZHANG, YUANPENG, US  
[73] LIVON LABORATORIES, US  
[85] 2013-06-28  
[86] 2011-02-03 (PCT/US2011/023631)  
[87] (WO2012/094033)  
[30] US (61/430,024) 2011-01-05

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[11] **2,835,742**  
[13] C

[51] **Int.Cl. H04S 1/00 (2006.01) H04S 5/00 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD AND COMPUTER PROGRAM FOR GENERATING A STEREO OUTPUT SIGNAL FOR PROVIDING ADDITIONAL OUTPUT CHANNELS**  
[54] **APPAREIL, PROCEDE ET PROGRAMME INFORMATIQUE POUR GENERER UN SIGNAL DE SORTIE STEREO POUR FOURNIR DES CANAUX DE SORTIE SUPPLEMENTAIRES**  
[72] STOCKLMEIER, CHRISTIAN, DE  
[72] FINAUER, STEFAN, DE  
[72] UHLE, CHRISTIAN, DE  
[72] PROKEIN, PETER, DE  
[72] HELLMUTH, OLIVER, DE  
[72] HEISE, ULRIC, AT  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[85] 2013-11-12  
[86] 2012-05-08 (PCT/EP2012/058435)  
[87] (WO2012/156232)  
[30] US (61/486,087) 2011-05-13  
[30] EP (11173101.4) 2011-07-07

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[11] **2,837,064**  
[13] C

[51] **Int.Cl. B67D 1/00 (2006.01)**  
[25] EN  
[54] **MODULAR DISPENSING SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION**  
**MODULAIRE**  
[72] JERSEY, STEVEN T., US  
[72] SEGIET, WILLIAM W., US  
[72] SIEGEL, TOM, US  
[72] KALI, EDDIE, US  
[72] BOGGS, JOSEPH, US  
[72] BALSTAD, ROBERT, US  
[73] PEPSICO, INC., US  
[85] 2013-11-21  
[86] 2012-05-02 (PCT/US2012/036116)  
[87] (WO2012/161935)  
[30] US (13/116,247) 2011-05-26

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[11] **2,837,495**  
[13] C

[51] **Int.Cl. C01B 25/231 (2006.01)**  
[25] EN  
[54] **A METHOD FOR PRODUCING**  
**PHOSPHORIC ACID OF THE**  
**DIHYDRATE/HEMIHYDRATE**  
**TYPE**  
[54] **PROCEDE DE PRODUCTION**  
**D'ACIDE PHOSPHORIQUE DU**  
**TYPE**  
**DIHYDRATE/HEMIHYDRATE**  
[72] HOXHA, ANTOINE, BE  
[72] FATI, DORINA, BE  
[73] PRAYON TECHNOLOGIES, BE  
[85] 2013-11-27  
[86] 2011-06-01 (PCT/EP2011/059128)  
[87] (WO2012/163425)

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[11] **2,837,751**  
[13] C

[51] **Int.Cl. A61K 36/77 (2006.01) A61K**  
**36/00 (2006.01) A61K 36/28 (2006.01)**  
**A61K 36/45 (2006.01) A61K 36/53**  
**(2006.01) A61K 36/539 (2006.01)**  
**A61K 36/73 (2006.01) A61K 36/734**  
**(2006.01) A61P 3/02 (2006.01) A61P**  
**29/00 (2006.01) A61P 39/06 (2006.01)**  
**C12Q 1/02 (2006.01) G01N 33/48**  
**(2006.01)**  
[25] EN  
[54] **FUNCTIONAL FOODS AND**  
**BEVERAGES WITH**  
**SYNERGISTIC PROPERTIES TO**  
**PROMOTE HOMEOSTASIS**  
[54] **ALIMENTS ET BOISSONS**  
**FONCTIONNELS AYANT DES**  
**PROPRIETES SYNERGIQUES**  
**POUR INDUIRE L'HOMÉOSTASE**  
[72] CHABOT, SOPHIE, CA  
[73] JUSTBIO INC., CA  
[85] 2013-11-29  
[86] 2012-02-01 (PCT/CA2012/000090)  
[87] (WO2012/103637)  
[30] US (61/438,747) 2011-02-02  
[30] US (61/472,298) 2011-04-06

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[11] **2,841,020**  
[13] C

[51] **Int.Cl. C23F 11/04 (2006.01)**  
[25] EN  
[54] **A MULTI-BRANCHED MANNICH**  
**BASE CORROSION INHIBITOR**  
**AND PREPARATION METHOD**  
**THEREOF**  
[54] **INHIBITEUR A BASE DE**  
**MANNICH A RAMIFICATIONS**  
**MULTIPLES ET SON PROCEDE**  
**DE PREPARATION**  
[72] MA, LING, CN  
[72] LI, LEI, CN  
[72] KONG, XIANGJUN, CN  
[72] DILIBAI, MALIKE, CN  
[72] ZHEN, XINPING, CN  
[72] NIU, CHUNGE, CN  
[72] BAI, SHENGJUN, CN  
[73] PETROCHINA COMPANY LIMITED,  
CN  
[85] 2014-01-06  
[86] 2012-04-27 (PCT/CN2012/000567)  
[87] (WO2013/026252)  
[30] CN (201110238857.3) 2011-08-19

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[11] **2,842,745**  
[13] C

[51] **Int.Cl. A61K 33/30 (2006.01) A61K**  
**9/08 (2006.01) A61K 31/26 (2006.01)**  
**A61P 1/02 (2006.01)**  
[25] EN  
[54] **COMPOSITIONS CONTAINING**  
**ZINC SALTS AND**  
**ISOTHIOCYANATES FOR**  
**REDUCTION OF ORAL**  
**VOLATILE SULFUR**  
**COMPOUNDS (VSCS)**  
[54] **COMPOSITIONS CONTENANT**  
**DES SELS DE ZINC ET DES**  
**ISOTHIOCYANATES POUR**  
**REDUCTION DE COMPOSES**  
**SOUFRES VOLATILS ORAUX**  
**(VSC)**  
[72] TIAN, MINMIN, US  
[72] HANLEY, BRYAN, US  
[72] DODDS, MICHAEL, US  
[73] WM. WRIGLEY JR. COMPANY, US  
[85] 2014-01-22  
[86] 2012-07-10 (PCT/US2012/046071)  
[87] (WO2013/015979)  
[30] US (61/511,646) 2011-07-26

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[13] C

[51] **Int.Cl. G06Q 40/04 (2012.01) G06F**  
**17/27 (2006.01) G06F 17/28 (2006.01)**  
**H04L 12/58 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR**  
**CONDUCTING AUCTIONS FOR**  
**DERIVATIVE FINANCIAL**  
**PRODUCTS USING INSTANT**  
**MESSAGING**  
[54] **METHODE ET SYSTEME DE**  
**CONDUITE D'ENCHERES DE**  
**PRODUITS FINANCIERS**  
**DERIVES AU MOYEN DE**  
**MESSAGERIE INSTANTANEE**  
[72] PECHENIK, JACOB E., US  
[72] CAMPBELL, GREGORY S., US  
[72] MILLER, DOUGLAS E., US  
[72] BARNES, BLAKE A., US  
[72] KIMMEL, KEVIN, US  
[72] KENNEY, TODD M., US  
[72] PICCIONE, CARMELO, US  
[72] SOHRAWARDY, YAZMIN, US  
[73] YELLOWJACKET, INC., US  
[86] (2843458)  
[87] (2843458)  
[22] 2014-02-18  
[30] US (13/770,452) 2013-02-19

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[13] C

[51] **Int.Cl. A42B 3/12 (2006.01) A42B 3/00 (2006.01) A42B 3/04 (2006.01)**  
[25] EN  
[54] **IMPROVED SPORT HELMET**  
[54] **CASQUE DE SPORT AMELIORE**  
[72] BRINE, WILLIAM H., III, US  
[72] BAKER, JONATHAN, US  
[72] DARNELL, ERIC, US  
[72] MOORE, STEVE, US  
[72] ROBINSON, JOEL, US  
[72] MOORE, BARCLAY, US  
[72] GRAHAM, ROMEO, CA  
[72] BOUCHER, LUC, CA  
[72] WATTERS, ROB, CA  
[72] TUTTON, JOHN, CA  
[73] CASCADE MAVERIK LACROSSE, LLC, US  
[86] (2843717)  
[87] (2843717)  
[22] 2008-01-11  
[62] 2,617,829

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[11] **2,846,358**  
[13] C

[51] **Int.Cl. H04H 20/30 (2009.01) H04N 7/10 (2006.01)**  
[25] EN  
[54] **CATV VIDEO AND DATA TRANSMISSION SYSTEM WITH SIGNAL INSERTION**  
[54] **SYSTEME DE TRANSMISSION DE VIDEO ET DE DONNEES PAR CABLODISTRIBUTION A INSERTION DE SIGNAUX**  
[72] BOWLER, DAVID B., US  
[72] GREENE, CLARK V., US  
[72] WHITE, GERARD, US  
[72] PRATT, BRUCE C., US  
[72] HERSEY, STEVEN H., US  
[73] ARRIS ENTERPRISES LLC, US  
[86] (2846358)  
[87] (2846358)  
[22] 2014-03-14  
[30] US (13/844,132) 2013-03-15

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[11] **2,846,857**  
[13] C

[51] **Int.Cl. C10G 65/12 (2006.01)**  
[25] EN  
[54] **USING SUPERCRITICAL FLUIDS TO REFINE HYDROCARBONS**  
[54] **UTILISATION DE FLUIDES SUPERCRITIQUES POUR RAFFINER DES HYDROCARBURES**  
[72] YARBRO, STEPHEN LEE, US  
[73] YARBRO, STEPHEN LEE, US  
[86] (2846857)  
[87] (2846857)  
[22] 2014-03-13  
[30] US (13/838,746) 2013-03-15

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[11] **2,848,262**  
[13] C

[51] **Int.Cl. H04N 21/262 (2011.01) H04N 21/20 (2011.01)**  
[25] EN  
[54] **FILTERING CONTENT FOR ADAPTIVE STREAMING**  
[54] **FILTRAGE DE CONTENU POUR TRANSMISSION ADAPTATIVE**  
[72] TARBOX, BRIAN J., US  
[72] MACK, ROBERT E., US  
[72] ELCOCK, ALBERT F., US  
[73] ARRIS ENTERPRISES LLC, US  
[86] (2848262)  
[87] (2848262)  
[22] 2014-04-04  
[30] US (13/857,539) 2013-04-05

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[11] **2,848,517**  
[13] C

[51] **Int.Cl. H04L 29/06 (2006.01) H04W 24/00 (2009.01) H04W 52/04 (2009.01) H04W 72/00 (2009.01) H04L 1/18 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR UP-LINK HARQ-ACK AND CSI TRANSMISSION**  
[54] **PROCEDE ET SYSTEME POUR TRANSMISSION HARQ-ACK ET CSI EN LIAISON MONTANTE**  
[72] BLANKENSHIP, YUFEI WU, US  
[72] BUCKLEY, MICHAEL EOIN, US  
[72] EARNSHAW, MARK ANDREW, CA  
[72] EBRAHIMI TAZEHI MAHALLEH, MASOUD, CA  
[72] HEO, YOUNG HYOUNG, KR  
[72] XU, HUA, CA  
[72] LI, JUN, US  
[73] BLACKBERRY LIMITED, CA  
[85] 2014-03-12  
[86] 2012-10-12 (PCT/US2012/059979)  
[87] (WO2013/066599)  
[30] US (61/556,102) 2011-11-04

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[11] **2,849,916**  
[13] C

[51] **Int.Cl. A61K 8/9789 (2017.01) A61K 8/27 (2006.01) A61K 8/365 (2006.01) A61K 8/49 (2006.01) A61K 8/60 (2006.01) A61K 8/66 (2006.01) A61Q 5/12 (2006.01)**  
[25] EN  
[54] **REGIMEN FOR REDUCING THE APPEARANCE OF THINNING HAIR**  
[54] **TRAITEMENT POUR REDUIRE L'ASPECT DEGARNI DES CHEVEUX**  
[72] GUTMANN, ERIK EDWARD, US  
[72] GRAHN, ANITA MARIE, US  
[72] KEEN, NATHAN ANDREW, US  
[72] PELTIER, SARAH ROSE, US  
[73] ELC MANAGEMENT LLC, US  
[85] 2014-03-24  
[86] 2012-09-28 (PCT/US2012/058024)  
[87] (WO2013/049644)  
[30] US (61/541,774) 2011-09-30

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[11] **2,851,180**  
[13] C

[51] **Int.Cl. A61K 31/185 (2006.01) A61K 8/30 (2006.01) A61K 8/36 (2006.01) A61K 31/19 (2006.01) A61K 36/28 (2006.01) A61P 17/00 (2006.01) A61Q 19/00 (2006.01)**

[25] EN

[54] **METHOD AND COMPOSITIONS FOR INCREASING PER1 GENE EXPRESSION IN SKIN CELLS**

[54] **METHODE ET COMPOSITIONS DESTINEES A AUGMENTER L'EXPRESSION DU GENE PER1 DANS LES CELLULES DE LA PEAU**

[72] PELLE, EDWARD, US

[72] PERNODET, NADINE A., US

[72] YAROSH, DANIEL B., US

[73] ELC MANAGEMENT LLC, US

[85] 2014-04-04

[86] 2011-10-11 (PCT/US2011/055676)

[87] (WO2013/055315)

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[11] **2,854,957**  
[13] C

[51] **Int.Cl. B02C 17/18 (2006.01)**

[25] EN

[54] **DIRECT VISUAL MONITORING SYSTEM AND METHOD FOR SENSING THE INTERIOR OF A ROTARY MINERAL MILL**

[54] **SYSTEME ET PROCEDE D'OBSERVATION VISUELLE DIRECTE POUR ESTIMER L'INTERIEUR D'UN BROYEUR ROTATIF DE MINERAIS**

[72] SEPULVEDA VILLALOBOS, GERMAN ARNALDO, CL

[72] VENEGAS REQUENA, JAVIER ALEJANDRO, CL

[72] PERELLI BACIGALUPO, ENNIO CARLO, CL

[72] NOVA VEGA, SEBASTIAN JOSE, CL

[72] BRUCE, ALFREDO ALEJANDRO, CL

[72] RIQUELME HORMAZABAL, RODRIGO ANTONIO, CL

[72] POZO ESCOBAR, RODRIGO EDGARDO, CL

[73] SOCIEDAD DE INNOVACION Y TRANSFERENCIA TECNOLOGICA LIMITADA, CL

[85] 2014-05-08

[86] 2011-11-10 (PCT/CL2011/000069)

[87] (WO2013/067651)

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[11] **2,855,016**  
[13] C

[51] **Int.Cl. E05B 49/00 (2006.01) E05B 47/00 (2006.01) G07C 11/00 (2006.01)**

[25] EN

[54] **ACCESS CODE MANAGEMENT SYSTEMS**

[54] **SYSTEMES DE GESTION DE CODE D'ACCES**

[72] KALOUS, D. SCOTT, US

[72] TRAPANI, MATTHEW, US

[73] MASTER LOCK COMPANY LLC, US

[85] 2014-05-08

[86] 2012-11-09 (PCT/US2012/064355)

[87] (WO2013/071044)

[30] US (61/558,649) 2011-11-11

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[11] **2,855,445**  
[13] C

[51] **Int.Cl. C12N 5/04 (2006.01) A01H 1/00 (2006.01)**

[25] EN

[54] **METHODS AND COMPOSITIONS FOR PRODUCTION OF MAIZE LINES WITH INCREASED TRANSFORMABILITY**

[54] **PROCEDES ET COMPOSITIONS DE PRODUCTION DE LIGNEES DE MAIS PRESENTANT UNE CAPACITE DE TRANSFORMATION AUGMENTEE**

[72] LOWE, BRENDA A., US

[72] CHOMET, PAUL S., US

[73] MONSANTO TECHNOLOGY LLC, US

[86] (2855445)

[87] (2855445)

[22] 2003-06-05

[62] 2,488,332

[30] US (60/386,522) 2002-06-06

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[11] **2,855,750**  
[13] C

[51] **Int.Cl. B65D 85/24 (2006.01) B21J 15/14 (2006.01) B21J 15/38 (2006.01) F16B 15/08 (2006.01) F16B 19/08 (2006.01) F16G 3/08 (2006.01) F16G 3/16 (2006.01)**

[25] EN

[54] **RIVET COLLATING SYSTEM INCLUDING RIVET HOLDER AND METHOD OF FORMING THE SAME**

[54] **SYSTEME D'ASSEMBLAGE DE RIVETS COMPRENANT UN SUPPORT DE RIVETS, ET PROCEDE DE REALISATION CORRESPONDANT**

[72] VOGRIG, JOSEPH, US

[72] MUSIL, EDWARD C., US

[73] FLEXIBLE STEEL LACING COMPANY, US

[86] (2855750)

[87] (2855750)

[22] 2005-04-11

[62] 2,563,113

[30] US (10/823,878) 2004-04-14

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[11] **2,855,790**  
[13] C

[51] **Int.Cl. B65D 19/44 (2006.01) B65D 19/38 (2006.01) B65D 85/68 (2006.01)**

[25] EN

[54] **PADDED SURFACE TRANSPORTATION APPARATUS FOR CONSTRUCTION EQUIPMENT**

[54] **APPAREIL DE TRANSPORT A SURFACE CAPITONNEE POUR EQUIPEMENT DE CONSTRUCTION**

[72] FELL, RANDALL O., US

[73] MARRIOTT CONSTRUCTION, INC., US

[85] 2014-05-13

[86] 2011-11-16 (PCT/US2011/061022)

[87] (WO2013/074101)

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[11] **2,856,387**  
[13] C

[51] **Int.Cl. G01N 1/26 (2006.01) G01N 1/24 (2006.01) G08B 17/10 (2006.01)**  
[25] EN  
[54] **MULTI-CHANNEL ASPIRATED SMOKE DETECTOR**  
[54] **DETECTEUR DE FUMEE ASPIREE MULTICANAL**  
[72] LANG, SCOTT R., US  
[72] GRIFFITH, BRUCE ROBERT, US  
[73] HONEYWELL INTERNATIONAL INC., US  
[86] (2856387)  
[87] (2856387)  
[22] 2014-07-08  
[30] US (13/946,594) 2013-07-19

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[11] **2,856,975**  
[13] C

[51] **Int.Cl. A47L 13/24 (2006.01) A47L 13/16 (2006.01) B08B 13/00 (2006.01)**  
[25] EN  
[54] **A MAINTENANCE ITEM AND A CLEANING DEVICE INCLUDING SUCH A MAINTENANCE ITEM**  
[54] **UN ARTICLE D'ENTRETIEN ET UN ARTICLE DE NETTOYAGE COMPORTANT UN TEL ARTICLE D'ENTRETIEN**  
[72] RIANCHO, NILS, FR  
[73] DECITEX, FR  
[86] (2856975)  
[87] (2856975)  
[22] 2014-07-15

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[11] **2,858,282**  
[13] C

[51] **Int.Cl. H02K 3/51 (2006.01) H02K 17/22 (2006.01)**  
[25] EN  
[54] **ROTATING ELECTRIC MACHINE, IN PARTICULAR DOUBLE-FED ASYNCHRONOUS MACHINE WITH A POWER RANGE OF BETWEEN 20 MVA AND 500 MVA**  
[54] **MACHINE ELECTRIQUE ROTATIVE, EN PARTICULIER MACHINE ASYNCHRONE A DOUBLE ALIMENTATION DANS LA PLAGE DE PUISSANCE ENTRE 20 MVA ET 500 MVA**  
[72] OKAI, RICARDO NAOKI, CH  
[72] SCHWERY, ALEXANDER, CH  
[72] WALSER, HANSPETER, CH  
[73] GE RENEWABLE TECHNOLOGIES, FR  
[85] 2014-06-05  
[86] 2012-12-21 (PCT/EP2012/076633)  
[87] (WO2013/093000)  
[30] CH (2026/11) 2011-12-22

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[11] **2,858,849**  
[13] C

[51] **Int.Cl. H04B 7/06 (2006.01) H04B 11/00 (2006.01) H04R 1/32 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PROVIDING SPATIALLY SELECTABLE COMMUNICATIONS USING DECONSTRUCTED AND DELAYED DATA STREAMS**  
[54] **PROCEDE ET APPAREIL EFFECTUANT DES COMMUNICATIONS SELECTIONNABLES SPATIALEMENT AU MOYEN DE FLUX DE DONNEES DECONSTRUITS ET RETARDES**  
[72] CALVARESE, RUSSELL E., US  
[72] WULFF, THOMAS E., US  
[73] SYMBOL TECHNOLOGIES, LLC, US  
[85] 2014-06-10  
[86] 2012-12-05 (PCT/US2012/067941)  
[87] (WO2013/090089)  
[30] US (13/325,216) 2011-12-14

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[11] **2,861,484**  
[13] C

[51] **Int.Cl. H04B 7/024 (2017.01)**  
[25] EN  
[54] **UPLINK COORDINATED MULTI-POINT**  
[54] **TRANSMISSION MULTIPOINT COORDONNEE A LIAISON ASCENDANTE**  
[72] CHATTERJEE, DEBDEEP, US  
[72] ETEMAD, KAMRAN, US  
[72] YANG, RONGZHEN, CN  
[72] FWU, JONG-KAE, US  
[72] PAPATHANASSIOU, APOSTOLOS, US  
[73] INTEL CORPORATION, US  
[85] 2014-07-16  
[86] 2013-01-24 (PCT/US2013/022935)  
[87] (WO2013/112711)  
[30] US (61/591,641) 2012-01-27  
[30] US (13/536,722) 2012-06-28

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[11] **2,861,864**  
[13] C

[51] **Int.Cl. B07B 1/46 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUSES FOR SCREENING**  
[54] **SYSTEME D'AMEUBLEMENT PRET A ASSEMBLER**  
[72] WOJCIECHOWSKI, KEITH F., US  
[72] NEWMAN, CHRISTIAN, US  
[73] DERRICK CORPORATION, US  
[86] (2861864)  
[87] (2861864)  
[22] 2008-02-27  
[62] 2,681,494  
[30] US (11/726,589) 2007-03-21

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[13] C

[51] **Int.Cl. G06K 19/07 (2006.01) G06Q 20/34 (2012.01) G06K 7/08 (2006.01) G06K 7/10 (2006.01)**

[25] EN

[54] **AN ENABLING CARD AND METHOD AND SYSTEM USING THE ENABLING CARD IN A POS**

[54] **UNE CARTE D'ACTIVATION ET METHODE ET SYSTEME EMPLOYANT LA CARTE D'ACTIVATION DANS UN POINT DE SERVICE**

[72] ANDRIANI, ALESSANDRO, CA

[72] COVELLO, LEONARDO, CA

[72] CRUDO, MARIO, CA

[72] SILCOFF, BRUCE, CA

[72] SILVER, JONATHAN, CA

[73] DASHPASS INC., CA

[86] (2863937)

[87] (2863937)

[22] 2014-09-17

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[11] **2,864,672**  
[13] C

[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **PYRAZOLOPYRIMIDINYL INHIBITORS OF UBIQUITIN-ACTIVATING ENZYME**

[54] **PYRAZOLOPYRIMIDINYLE INHIBITEURS DE L'ENZYME D'ACTIVATION DE L'UBIQUITINE**

[72] AFROZE, ROUSHAN, US

[72] BHARATHAN, INDU T., US

[72] CIAVARRI, JEFFREY P., US

[72] FLEMING, PAUL E., US

[72] GAULIN, JEFFREY L., US

[72] GIRARD, MARIO, US

[72] LANGSTON, STEVEN P., US

[72] SOUCY, FRANCOIS R., US

[72] WONG, TZU-TSHIN, US

[72] YE, YINGCHUN, US

[73] MILLENNIUM PHARMACEUTICALS, INC., US

[85] 2014-08-14

[86] 2013-02-14 (PCT/US2013/026113)

[87] (WO2013/123169)

[30] US (61/600,070) 2012-02-17

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[11] **2,865,194**  
[13] C

[51] **Int.Cl. G05B 23/02 (2006.01)**

[25] EN

[54] **METHOD AND SYSTEM FOR CONDITION MONITORING OF A GROUP OF PLANTS**

[54] **PROCEDE ET SYSTEME PERMETTANT DE SURVEILLER L'ETAT D'UN GROUPE D'INSTALLATIONS**

[72] ALI, MOHAMED, US

[72] KHALIDI, ABDURRAHMAN, QA

[72] CINELLI, FILIPPO, IT

[72] MOCHI, GIANNI, IT

[72] CIVELLI, VALENTINA, IT

[73] NUOVO PIGNONE SRL, IT

[85] 2014-08-21

[86] 2013-02-28 (PCT/EP2013/054098)

[87] (WO2013/127958)

[30] IT (CO2012A000008) 2012-03-01

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[11] **2,865,251**  
[13] C

[51] **Int.Cl. C09C 1/02 (2006.01) D21H 17/00 (2006.01)**

[25] EN

[54] **PREPARATION OF PIGMENTS**

[54] **PREPARATION DE PIGMENTS**

[72] RENTSCH, SAMUEL, CH

[72] GERARD, DANIEL E., CH

[72] BURI, MATTHIAS, CH

[72] GANE, PATRICK A.C., CH

[72] KUKKAMO, VESA, FI

[73] OMYA INTERNATIONAL AG, CH

[85] 2014-08-21

[86] 2013-03-21 (PCT/EP2013/055895)

[87] (WO2013/139889)

[30] EP (12161144.6) 2012-03-23

[30] US (61/617,721) 2012-03-30

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[11] **2,865,697**  
[13] C

[51] **Int.Cl. F24F 11/32 (2018.01) G06Q 50/06 (2012.01) F24F 11/38 (2018.01) F24D 19/10 (2006.01)**

[25] EN

[54] **HVAC SYSTEM REMOTE MONITORING AND DIAGNOSIS**

[54] **DIAGNOSTIC ET SYSTEME DE TELESURVEILLANCE DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION**

[72] ARENSMEIER, JEFFREY N., US

[72] COX, STEVEN A., JR., US

[72] LAYTON, PAUL, US

[73] EMERSON ELECTRIC CO., US

[85] 2014-08-27

[86] 2013-02-28 (PCT/US2013/028312)

[87] (WO2013/130799)

[30] US (61/604,293) 2012-02-28

[30] US (13/780,617) 2013-02-28

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[11] **2,865,745**  
[13] C

[51] **Int.Cl. A61K 39/095 (2006.01) C07K 14/22 (2006.01) C12N 15/31 (2006.01)**

[25] EN

[54] **NEISSERIA MENINGITIDIS COMPOSITIONS AND METHODS THEREOF**

[54] **COMPOSITIONS DE NEISSERIA MENINGITIDIS ET PROCEDES ASSOCIES**

[72] ANDERSON, ANNALIESA SYBIL, US

[72] HOISETH, SUSAN KAY, US

[72] JANSEN, KATHRIN UTE, US

[72] MORAN, JUSTIN KEITH, US

[72] RUPPEN, MARK E., US

[73] PFIZER INC., US

[85] 2014-08-27

[86] 2013-03-06 (PCT/IB2013/051791)

[87] (WO2013/132452)

[30] US (61/609,257) 2012-03-09

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[13] C

- [51] **Int.Cl. B29C 65/02 (2006.01) A47C 5/12 (2006.01) B64D 11/06 (2006.01)**  
[25] EN  
[54] **COMPOSITE STRUCTURAL ELEMENT AND METHOD**  
[54] **ELEMENT STRUCTURAL COMPOSITE ET PROCEDE**  
[72] POZZI, ALEXANDER NICHOLAS, US  
[73] B/E AEROSPACE, INC., US  
[85] 2014-09-03  
[86] 2013-03-14 (PCT/US2013/031295)  
[87] (WO2013/138582)  
[30] US (61/610,508) 2012-03-14

[11] **2,867,394**  
[13] C

- [51] **Int.Cl. B23B 51/10 (2006.01) B23D 79/02 (2006.01)**  
[25] EN  
[54] **DEBURRING TOOL FOR DEBURRING IN PARTICULAR NON-ROUND RECESSES IN WORKPIECES**  
[54] **OUTIL D'EBARBAGE PERMETTANT D'EBARBER DES TROUS QUI NE SONT NOTAMMENT PAS RONDS DANS DES PIECES**  
[72] FASSLER, ROMAN, CH  
[72] HEULE, HEINRICH, CH  
[73] HEULE WERKZEUG AG, CH  
[85] 2014-09-12  
[86] 2013-03-14 (PCT/EP2013/000763)  
[87] (WO2013/135383)  
[30] DE (10 2012 005 246.4) 2012-03-14

[11] **2,869,710**  
[13] C

- [51] **Int.Cl. H04N 19/91 (2014.01) H04N 19/176 (2014.01) H04N 19/60 (2014.01) H04N 19/70 (2014.01) H04N 7/24 (2011.01)**  
[25] EN  
[54] **VIDEO ENCODING DEVICE, VIDEO DECODING DEVICE, VIDEO ENCODING METHOD, VIDEO DECODING METHOD, AND PROGRAM**  
[54] **DISPOSITIF DE CODAGE VIDEO, DISPOSITIF DE DECODAGE VIDEO, PROCEDE DE CODAGE VIDEO, PROCEDE DE DECODAGE VIDEO ET PROGRAMME**  
[72] CHONO, KEIICHI, JP  
[72] AOKI, HIROFUMI, JP  
[73] NEC CORPORATION, JP  
[85] 2014-10-06  
[86] 2013-05-31 (PCT/JP2013/003459)  
[87] (WO2014/002386)  
[30] JP (2012-143441) 2012-06-26

[11] **2,869,862**  
[13] C

- [51] **Int.Cl. G10D 3/18 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE AND FOLDABLE SHOULDER REST FOR VIOLIN OR VIOLA**  
[54] **EPAULIERE REGLABLE ET Pliable POUR VIOLON OU VIOLE**  
[72] BALATTI, ALDO, CA  
[72] KUN, MARINA, CA  
[73] THE KUN SHOULDER REST INC., CA  
[86] (2869862)  
[87] (2869862)  
[22] 2014-11-06

[11] **2,871,228**  
[13] C

- [51] **Int.Cl. B01D 53/02 (2006.01)**  
[25] EN  
[54] **PRODUCT GAS CONCENTRATOR AND METHOD ASSOCIATED THEREWITH**  
[54] **CONCENTRATEUR DE PRODUIT GAZEUX ET PROCEDE ASSOCIE**  
[72] SPRINKLE, TOM, US  
[72] DANIELS, WILLIAM J., US  
[72] DROBNAK, THOMAS A., US  
[72] FELTY, DAVID G., US  
[72] HODOS, VALENTINE A., US  
[72] FABIAN, MARTIN J., US  
[72] SHELNUTT, SAMUEL J., US  
[72] OLSZEWSKI, JONATHON R., US  
[73] INVACARE CORPORATION, US  
[86] (2871228)  
[87] (2871228)  
[22] 2008-04-21  
[62] 2,793,228  
[30] US (60/913,056) 2007-04-20  
[30] US (60/968,273) 2007-08-27

[11] **2,871,680**  
[13] C

- [51] **Int.Cl. A61F 13/511 (2006.01) A61F 13/15 (2006.01) A61F 13/512 (2006.01) B26F 1/20 (2006.01) B26F 1/24 (2006.01) B29C 55/18 (2006.01) B31F 1/07 (2006.01)**  
[25] EN  
[54] **CORRUGATED AND APERTURED WEB**  
[54] **BANDE ONDULEE ET OUVERTE**  
[72] ORR, JILL MARLENE, US  
[72] COE, RICHARD GEORGE, US  
[72] HAMMONS, JOHN LEE, US  
[72] GROSS, SARAH BETH, US  
[72] KOCHER, LEROY JOSEPH, US  
[72] MULLANE, TIMOTHY IAN, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2014-10-21  
[86] 2013-04-25 (PCT/US2013/038156)  
[87] (WO2013/163388)  
[30] US (13/455,925) 2012-04-25

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[13] C

[51] **Int.Cl. B29C 64/124 (2017.01) B29C 64/255 (2017.01) B29C 64/264 (2017.01)**

[25] EN

[54] **CARTRIDGE FOR A STEREO LITHOGRAPHIC MACHINE, STEREO LITHOGRAPHIC MACHINE COMPRISING SAID CARTRIDGE AND METHOD OF MANUFACTURING SAID CARTRIDGE**

[54] **CARTOUCHE POUR UNE MACHINE STEREO LITHOGRAPHIQUE, MACHINE STEREO LITHOGRAPHIQUE COMPRENANT LADITE CARTOUCHE ET PROCEDE DE FABRICATION DE LADITE CARTOUCHE**

[72] COSTABEBER, ETTORE MAURIZIO, IT

[73] DWS S.R.L., IT

[85] 2014-10-23

[86] 2013-07-25 (PCT/IB2013/001621)

[87] (WO2014/016668)

[30] IT (VI2012A000183) 2012-07-27

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[11] **2,873,936**  
[13] C

[51] **Int.Cl. B62J 35/00 (2006.01) B62J 23/00 (2006.01)**

[25] EN

[54] **TANK COVER STRUCTURE FOR MOTORCYCLE**

[54] **STRUCTURE DE COUVERCLE DE RESERVOIR POUR MOTOCYCLETTE**

[72] YAMAZAKI, TAKAYUKI, JP

[72] KOYAMA, YOSHINORI, JP

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

[85] 2014-11-14

[86] 2013-02-26 (PCT/JP2013/054919)

[87] (WO2013/179703)

[30] JP (2012-120676) 2012-05-28

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[11] **2,874,468**  
[13] C

[51] **Int.Cl. A61F 2/68 (2006.01) A61F 2/60 (2006.01)**

[25] EN

[54] **POWERED LOWER EXTREMITY ORTHOTIC AND METHOD OF OPERATION**

[54] **ORTHESE ELECTRIQUE D'EXTREMITE INFERIEURE ET PROCEDE DE FONCTIONNEMENT**

[72] SWIFT, TIM, US

[72] ZOSS, ADAM BRIAN, US

[72] STRAUSSER, KATHERINE, US

[72] ROSA, MATTHEW, US

[72] KAZEROONI, HOMAYOON, US

[72] FAIRBANKS, DYLAN MILLER, US

[72] PILLAI, MINERVA VASUDEVAN, US

[72] SCHWARTZ, MICLAS, DE

[72] LAMBRECHT, BRAM GILBERT ANTOON, US

[72] KRUSE, SEBASTIAN, US

[73] EKSO BIONICS, INC., US

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

[85] 2014-11-21

[86] 2013-05-21 (PCT/US2013/042004)

[87] (WO2014/007917)

[30] US (13/480,160) 2012-05-24

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[11] **2,875,400**  
[13] C

[51] **Int.Cl. A61F 13/475 (2006.01)**

[25] EN

[54] **ABSORBENT ARTICLE**

[54] **ARTICLE ABSORBANT**

[72] FREDRIKSON, SUSANNE, SE

[72] JOHANSSON, CHARLOTTE, SE

[73] SCA HYGIENE PRODUCTS AB, SE

[85] 2014-12-02

[86] 2012-06-11 (PCT/EP2012/061010)

[87] (WO2013/185800)

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[11] **2,875,740**  
[13] C

[51] **Int.Cl. G01L 1/24 (2006.01) G01M 11/02 (2006.01)**

[25] EN

[54] **OPTICAL MEASURING SYSTEM COMPRISING POLARISATION COMPENSATION, AND CORRESPONDING METHOD**

[54] **SYSTEME DE MESURE OPTIQUE A COMPENSATION DE POLARISATION ET PROCEDE ASSOCIE**

[72] BUCK, THORBJORN, DE

[72] HOFFMANN, LARS, DE

[72] MULLER, MATHIAS, DE

[72] WOJTECH, ROLF, DE

[73] TECHNISCHE UNIVERSITAT MUNCHEN, DE

[85] 2014-12-04

[86] 2013-06-04 (PCT/EP2013/061499)

[87] (WO2013/182567)

[30] DE (10 2012 104 874.6) 2012-06-05

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[11] **2,876,476**  
[13] C

[51] **Int.Cl. C11B 9/00 (2006.01) C11D 3/00 (2006.01) C11D 3/20 (2006.01) C11D 3/26 (2006.01) C11D 7/26 (2006.01) D06M 13/00 (2006.01) D06M 13/03 (2006.01) D06M 13/325 (2006.01)**

[25] EN

[54] **MALODOR CONTROL COMPOSITIONS HAVING ACTIVATED ALKENES AND METHODS THEREOF**

[54] **COMPOSITIONS POUR LE CONTROLE DES MAUVAISES ODEURS COMPRENANT DES ALCENES ACTIVES ET PROCEDES ASSOCIES**

[72] HORENZIAK, STEVEN ANTHONY, US

[72] EYLEM, CAHIT, US

[72] MALANYAON, MICHAEL-VINCENT NARIO, US

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2014-12-11

[86] 2013-06-14 (PCT/US2013/045874)

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[13] C

[51] **Int.Cl. G01N 15/04 (2006.01)**  
[25] EN  
[54] **AN IMPROVED SUSPENDED  
SEDIMENT METER**  
[54] **DISPOSITIF AMELIORE DE  
MESURE DE SEDIMENT EN  
SUSPENSION**  
[72] HIES, THOMAS, SG  
[72] HA, NGUYEN HOANG, SG  
[72] SKRIPALLE, JUERGEN, DE  
[73] DHI WATER & ENVIRONMENT (S)  
PTE. LTD., SG  
[85] 2014-12-23  
[86] 2013-07-01 (PCT/IB2013/055380)  
[87] (WO2014/002078)  
[30] SG (201204870-8) 2012-06-29

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[11] **2,877,965**  
[13] C

[51] **Int.Cl. H04W 36/08 (2009.01)**  
[25] EN  
[54] **AGGREGATION OF DATA  
BEARERS FOR CARRIER  
AGGREGATION**  
[54] **AGREGATION DE SUPPORTS DE  
DONNEES POUR UNE  
AGREGATION DE PORTEUSES**  
[72] HORN, GAVIN BERNARD, US  
[72] DAMNJANOVIC, JELENA, US  
[72] PRAKASH, RAJAT, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2014-12-23  
[86] 2013-07-03 (PCT/US2013/049291)  
[87] (WO2014/008380)  
[30] US (61/668,313) 2012-07-05  
[30] US (61/811,637) 2013-04-12  
[30] US (13/934,038) 2013-07-02

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[11] **2,878,867**  
[13] C

[51] **Int.Cl. A61K 31/519 (2006.01) A61P  
17/04 (2006.01) A61P 37/00 (2006.01)**  
[25] EN  
[54] **DOSING REGIMEN FOR JANUS  
KINASE (JAK) INHIBITORS**  
[54] **REGIME POSOLOGIQUE  
DESTINE A DES INHIBITEURS DE  
LA JANUS KINASE (JAK)**  
[72] GONZALES, ANDREA J., US  
[72] COSGROVE, SALLIE B., US  
[72] MALPAS, PHYLLIS B., US  
[72] STEGEMANN, MICHAEL ROLF, BE  
[72] COLLARD, WENDY TURNER, US  
[73] ZOETIS SERVICES LLC, US  
[85] 2015-01-09  
[86] 2013-07-18 (PCT/US2013/051015)  
[87] (WO2014/015107)  
[30] US (61/674,289) 2012-07-20  
[30] US (61/815,803) 2013-04-25

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[11] **2,880,029**  
[13] C

[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q  
20/32 (2012.01)**  
[25] EN  
[54] **ELECTRONIC PAYMENTS TO  
NON-INTERNET CONNECTED  
DEVICES SYSTEMS AND  
METHODS**  
[54] **SYSTEMES ET PROCEDES DE  
PAIEMENTS ELECTRONIQUES  
SUR DES DISPOSITIFS NON  
CONNECTES A INTERNET**  
[72] LOW, GAK WEE, US  
[72] LEE, MICHELE, US  
[72] WENGER, MARK, US  
[72] SUN, XIN, US  
[73] PAYPAL, INC., US  
[85] 2015-01-23  
[86] 2013-07-25 (PCT/US2013/052130)  
[87] (WO2014/018796)  
[30] US (61/675,694) 2012-07-25

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[11] **2,880,558**  
[13] C

[51] **Int.Cl. E21B 29/10 (2006.01)**  
[25] EN  
[54] **EXPANDABLE LINER  
CHEMISE EXTENSIBLE**  
[72] DELANGE, RICHARD W., US  
[72] SETTERBERG, JOHN RICHARD, JR.,  
US  
[72] OSBURN, SCOTT H., US  
[72] HASHEM, GHAZI J., US  
[72] GALLOWAY, GREGORY GUY, US  
[73] WEATHERFORD TECHNOLOGY  
HOLDINGS, LLC, US  
[85] 2015-01-29  
[86] 2013-07-30 (PCT/US2013/052759)  
[87] (WO2014/022417)  
[30] US (61/677,383) 2012-07-30  
[30] US (61/693,669) 2012-08-27  
[30] US (61/798,095) 2013-03-15  
[30] US (61/843,198) 2013-07-05

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[11] **2,880,670**  
[13] C

[51] **Int.Cl. E06B 9/322 (2006.01) E06B  
9/303 (2006.01)**  
[25] EN  
[54] **WINDOW BLIND ROLLER  
SYSTEM WITH CAM PIN  
TURNOVER MECHANISM**  
[54] **SYSTEME D'ENROULEMENT DE  
STORE DE FENETRE AYANT UN  
MECANISME DE  
RETOURNEMENT A POINTEAU  
DE CAME**  
[72] ZHANG, YIFEI, CN  
[72] WU, CHENGSHANG, CN  
[72] GUI, GANG, CN  
[72] XU, HUIWEN, CN  
[73] HANGZHOU WOKASOLAR  
TECHNOLOGY CO., LTD., CN  
[85] 2015-01-30  
[86] 2013-07-28 (PCT/CN2013/080259)  
[87] (WO2014/019482)  
[30] CN (201210268529.2) 2012-07-30

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[13] C

[51] **Int.Cl. B65B 7/28 (2006.01) G07F 11/54 (2006.01) G07F 17/00 (2006.01)**  
[25] EN  
[54] **DEVICE FOR OFFLOADING CAPPED VIALS USEFUL IN SYSTEM AND METHOD FOR DISPENSING PRESCRIPTIONS**  
[54] **DISPOSITIF POUR TRANSFERER DES FIOLES ENCAPSULEES UTILES DANS UN SYSTEME ET DANS UN PROCEDE POUR DISTRIBUER DES MEDICAMENTS**  
[72] RHOADS, THOMAS P., JR., US  
[72] LONGLEY, MARK, US  
[72] BOUCHELLE, STEVE, US  
[72] SMITH, BRADLEY KENNETH, US  
[72] BONPAIN, ERIC X., US  
[72] HERNANDEZ, ROBERT CENK, US  
[72] DANIELS, MATTHEW P., US  
[72] OWEN, GARY M., US  
[73] PARATA SYSTEMS, LLC, US  
[85] 2015-02-04  
[86] 2013-08-23 (PCT/US2013/056325)  
[87] (WO2014/031925)  
[30] US (61/692,442) 2012-08-23  
[30] US (61/813,431) 2013-04-18  
[30] US (61/834,198) 2013-06-12

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[11] **2,882,848**  
[13] C

[51] **Int.Cl. F02B 19/10 (2006.01) F02B 19/12 (2006.01) F02B 19/16 (2006.01) F02P 13/00 (2006.01)**  
[25] EN  
[54] **TWO-STAGE PRECOMBUSTION CHAMBER FOR LARGE BORE GAS ENGINES**  
[54] **CHAMBRE DE PRECOMBUSTION A DEUX ETAGES POUR MOTEURS A GAZ DE GRAND DIAMETRE**  
[72] SOTIROPOULOU, MARIA EMMANUELLA, US  
[72] LEPLEY, DAVID THOMAS, US  
[72] TOZZI, LUIGI P., US  
[73] PROMETHEUS APPLIED TECHNOLOGIES, LLC, US  
[85] 2015-02-24  
[86] 2013-09-06 (PCT/US2013/058635)  
[87] (WO2014/039915)  
[30] US (61/697,628) 2012-09-06

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[11] **2,883,978**  
[13] C

[51] **Int.Cl. H04N 19/122 (2014.01) H04N 19/17 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/44 (2014.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ENCODING RESIDUAL BLOCK, AND METHOD AND APPARATUS FOR DECODING RESIDUAL BLOCK**  
[54] **PROCEDE ET APPAREIL DE CODAGE DE BLOC RESIDUEL, ET PROCEDE ET APPAREIL DE DECODAGE DE BLOC RESIDUEL**  
[72] CHEON, MIN-SU, KR  
[72] MIN, JUNG-HYE, KR  
[72] HAN, WOO-JIN, KR  
[73] SAMSUNG ELECTRONICS CO., LTD., KR  
[86] (2883978)  
[87] (2883978)  
[22] 2010-10-28  
[62] 2,777,587  
[30] KR (10-2009-0102818) 2009-10-28

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[11] **2,886,194**  
[13] C

[51] **Int.Cl. A61K 31/4535 (2006.01) A61P 17/00 (2006.01) A61P 31/00 (2006.01) A61P 31/04 (2006.01) A61P 31/10 (2006.01) C07D 409/00 (2006.01)**  
[25] EN  
[54] **MEDICINAL TREATMENT OF CHRONIC DERMAL INFLAMMATORY DISEASES WITH NORKETOTIFEN**  
[54] **TRAITEMENT MEDICINAL DE MALADIES INFLAMMATOIRES DERMIQUES CHRONIQUES PAR LE NORKETOTIFENE**  
[72] ABERG, A. K. GUNNAR, US  
[72] CIOFALO, VINCENT B., US  
[73] BRIDGE PHARMA, INC., US  
[85] 2015-03-24  
[86] 2013-10-29 (PCT/US2013/067177)  
[87] (WO2014/070696)  
[30] US (61/720,058) 2012-10-30  
[30] US (13/744,807) 2013-01-18

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[11] **2,886,271**  
[13] C

[51] **Int.Cl. A61K 31/4535 (2006.01) A61P 17/04 (2006.01)**  
[25] EN  
[54] **MEDICINAL TREATMENT OF DERMAL DISEASES IN COMPANION ANIMALS WITH NORKETOTIFEN**  
[54] **TRAITEMENT MEDICINAL DES MALADIES DERMIQUES CHEZ DES ANIMAUX DE COMPAGNIE AU MOYEN DE NORKETOTIFENE**  
[72] ABERG, A.K. GUNNAR, US  
[72] CIOFALO, VINCENT B., US  
[73] BRIDGE PHARMA, INC., US  
[85] 2015-03-24  
[86] 2013-10-21 (PCT/US2013/065847)  
[87] (WO2014/066212)  
[30] US (61/717,240) 2012-10-23  
[30] US (13/739,090) 2013-01-11  
[30] US (14/025,302) 2013-09-12

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[11] **2,887,010**  
[13] C

[51] **Int.Cl. C08H 8/00 (2010.01) C08B 37/00 (2006.01)**  
[25] EN  
[54] **METHODS FOR MAKING LIGNOCELLULOSE CONTAINING COMPOSITE PRODUCTS**  
[54] **PROCEDES DE FABRICATION DE PRODUITS COMPOSITES CONTENANT DE LA LIGNOCELLULOSE**  
[72] SNIADY, ADAM K., US  
[72] HAGIOPOL, CORNEL, US  
[72] ATKINSON, DEREK L., US  
[72] WILLIAMSON, BOBBY L., US  
[72] HINES, JOHN B., US  
[73] GEORGIA-PACIFIC CHEMICALS LLC, US  
[85] 2015-04-01  
[86] 2013-10-01 (PCT/US2013/062785)  
[87] (WO2014/055462)  
[30] US (61/708,395) 2012-10-01

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[11] **2,887,597**  
[13] C

[51] **Int.Cl. A61K 47/02 (2006.01) A61K 31/395 (2006.01) A61P 9/12 (2006.01) A61P 25/00 (2006.01) C07D 225/02 (2006.01)**

[25] EN

[54] **LOCALIZED MODULATION OF TISSUES AND CELLS TO ENHANCE THERAPEUTIC EFFECTS INCLUDING RENAL DENERVATION**

[54] **MODULATION LOCALISEE DE TISSUS ET DE CELLULES POUR AMELIORER DES EFFETS THERAPEUTIQUES COMPRENANT LA DENERVATION RENALE**

[72] SEWARD, KIRK P., US

[73] MERCATOR MEDSYSTEMS, INC., US

[85] 2015-04-13

[86] 2012-10-19 (PCT/US2012/061205)

[87] (WO2013/059735)

[30] US (61/548,822) 2011-10-19

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[11] **2,889,393**  
[13] C

[51] **Int.Cl. H04W 80/04 (2009.01)**

[25] EN

[54] **MULTIPLE ACCESS POINT NAME AND IP SERVICE CONNECTIVITY**

[54] **CONNECTIVITE DE SERVICE IP ET A DE MULTIPLES NOMS DE POINT D'ACCES**

[72] MCCANN, STEPHEN, GB

[72] MONTEMURRO, MICHAEL PETER, CA

[72] FACCIN, STEFANO, US

[72] HOLE, DAVID PHILIP, GB

[72] BARRETT, STEPHEN JOHN, GB

[73] BLACKBERRY LIMITED, CA

[85] 2015-04-24

[86] 2013-10-18 (PCT/CA2013/050791)

[87] (WO2014/063243)

[30] US (13/661,574) 2012-10-26

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[13] C

[51] **Int.Cl. F16L 57/06 (2006.01) B65G 53/52 (2006.01) F15D 1/04 (2006.01) F16L 43/00 (2006.01) F16L 58/14 (2006.01) F16L 58/18 (2006.01)**

[25] EN

[54] **FLUENT MATERIAL HANDLING SYSTEM AND METHOD OF CONSTRUCTION**

[54] **DISPOSITIF DE TRAITEMENT DE MATERIAU FLUIDE ET METHODE DE CONSTRUCTION**

[72] ALLISON, TODD N., US

[73] PROGRESSIVE PRODUCTS, INC., US

[86] (2889427)

[87] (2889427)

[22] 2015-04-24

[30] US (61/983,858) 2014-04-24

[30] US (14/694,531) 2015-04-23

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[11] **2,890,255**  
[13] C

[51] **Int.Cl. A61K 33/26 (2006.01) A61P 7/06 (2006.01)**

[25] EN

[54] **AN ORAL IRON (III) BASED PHOSPHATE ADSORBENT FOR TREATING IRON-DEFICIENCY ANEMIA IN CATS WITH CHRONIC KIDNEY DISEASE**

[54] **ADSORBANT PHOSPHATE A BASE DE FER(III) ADMINISTRE PAR VOIE ORALE POUR LE TRAITEMENT DE L'ANEMIE PAR CARENCE EN FER CHEZ LE CHAT PRESENTANT UNE ATTEINTE RENALE CHRONIQUE**

[72] KING, JONATHAN, CH

[73] NOVARTIS TIERGESUNDHEIT AG, CH

[85] 2015-04-30

[86] 2013-12-19 (PCT/EP2013/077393)

[87] (WO2014/096196)

[30] EP (12198690.5) 2012-12-20

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[11] **2,890,299**  
[13] C

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[25] EN

[54] **NANOPARTICLE COMPOSITIONS FOR GENERATION OF REGULATORY T CELLS AND TREATMENT OF AUTOIMMUNE DISEASES AND OTHER CHRONIC INFLAMMATORY CONDITIONS**

[54] **COMPOSITIONS DE NANOPARTICULES POUR LA CREATION DE CELLULES T REGULATRICES ET LE TRAITEMENT DE MALADIES AUTO-IMMUNES ET D'AUTRES ETATS INFLAMMATOIRES CHRONIQUES**

[72] FREUND, BARBARA, DE

[72] HEEREN, JORG, DE

[72] NIELSEN, PETER, DE

[72] CARAMBIA, ANTONELLA, DE

[72] HERKEL, JOHANNES, DE

[72] BRUNS, OLIVER, DE

[72] LOHSE, ANSGAR, DE

[72] LUTH, STEFAN, DE

[72] WELLER, HORST, DE

[72] SALMEN, SUNHILD, DE

[73] TOPAS THERAPEUTICS GMBH, DE

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[86] 2012-11-14 (PCT/EP2012/004735)

[87] (WO2013/072051)

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[25] EN

[54] **AGENT FOR USE IN THE CASE OF FRUCTOSE INTOLERANCE**

[54] **AGENT A UTILISER DANS DES CAS D'INTOLERANCE AU FRUCTOSE**

[72] WYROBNIK, DANIEL HENRY, DE

[72] WYROBNIK, ISAAC HARRY, DE

[73] VITAMERICA UG (HAFTUNGSBESCHRANKT), DE

[86] (2890721)

[87] (2890721)

[22] 2008-02-20

[62] 2,716,421

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[13] C

[51] **Int.Cl. B25B 13/46 (2006.01) B25B 13/04 (2006.01) B25B 13/08 (2006.01)**  
[25] EN  
[54] **RATCHET WRENCH INCLUDING RETAINING RING**  
[54] **CLE A ROCHET COMPORTANT UN ANNEAU DE RETENUE**  
[72] THOMPSON, CHRISTOPHER D., US  
[72] EGGERT, DANIEL M., US  
[72] ROSS, DAVID T., US  
[73] SNAP-ON INCORPORATED, US  
[86] (2890855)  
[87] (2890855)  
[22] 2015-05-08  
[30] US (61/993,850) 2014-05-15  
[30] US (14/698,328) 2015-04-28

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[13] C

[51] **Int.Cl. C10L 1/16 (2006.01) B01F 5/00 (2006.01) B01F 15/04 (2006.01)**  
[25] EN  
[54] **EXPANSION OF FUEL STREAMS USING MIXED HYDROCARBONS**  
[54] **EXPANSION DE COURANTS DE CARBURANT A L'AIDE D'HYDROCARBURES MIXTES**  
[72] BUCHANAN, KEITH D., US  
[73] SUNOCO PARTNERS MARKETING & TERMINALS L.P., US  
[85] 2015-05-12  
[86] 2013-11-11 (PCT/US2013/069447)  
[87] (WO2014/074993)  
[30] US (61/725,336) 2012-11-12  
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[51] **Int.Cl. B01D 53/94 (2006.01) F01N 3/08 (2006.01) F01N 3/24 (2006.01)**  
[25] EN  
[54] **EXHAUST GAS PURIFICATION DEVICE**  
[54] **DISPOSITIF DE PURIFICATION DES GAZ D'ECHAPPEMENT**  
[72] NAGATA, YOSHINOBU, JP  
[72] UMENO, YASUFUMI, JP  
[73] FUTABA INDUSTRIAL CO., LTD., JP  
[85] 2015-05-15  
[86] 2013-09-13 (PCT/JP2013/074798)  
[87] (WO2014/077023)  
[30] JP (2012-252472) 2012-11-16

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[13] C

[51] **Int.Cl. H04B 7/08 (2006.01) G10K 11/26 (2006.01)**  
[25] EN  
[54] **MODULAR PARALLEL BEAMFORMING SYSTEM AND ASSOCIATED METHODS**  
[54] **SYSTEME DE FORMATION DE FAISCEAUX PARALLELE MODULAIRE ET PROCEDES ASSOCIES**  
[72] STAHLBERG, MARKUS, DE  
[72] WOLSFELD, ALFRED, DE  
[72] FREUND, ALEXANDER FRANZ, DE  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2015-05-14  
[86] 2013-10-29 (PCT/US2013/067278)  
[87] (WO2014/081540)  
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[13] C

[51] **Int.Cl. A01M 29/30 (2011.01) A01G 25/16 (2006.01)**  
[25] EN  
[54] **REMOTE CONTROLLED MOTION ACTIVATED WATER REPELLANT SYSTEM AND METHOD**  
[54] **MECANISME D'TANCHEISATION ACTIVE PAR DETECTION DE MOUVEMENT CONTROLE A DISTANCE ET METHODE**  
[72] RICH, CHRISTOPHER, US  
[72] DALY, THOMAS J., JR., US  
[73] WOODSTREAM CORPORATION, US  
[86] (2891819)  
[87] (2891819)  
[22] 2015-05-14  
[30] US (14/294,426) 2014-06-03

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[11] **2,892,210**  
[13] C

[51] **Int.Cl. F03D 7/06 (2006.01) F03D 3/06 (2006.01)**  
[25] EN  
[54] **VERTICAL AXIS TURBINE WITH BLADE PITCH AND CAMBER CONTROL**  
[54] **TURBINE A AXE VERTICALE A CONTROLE DE CAMBRURE ET DE PAS DE PALE**  
[72] WHINNEY, JAMES FREDERICK CARNAC, GB  
[73] SUPERVAWT LIMITED, GB  
[85] 2015-05-22  
[86] 2013-11-26 (PCT/EP2013/074704)  
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[13] C

[51] **Int.Cl. G03G 15/08 (2006.01) G01F 23/00 (2006.01)**  
[25] EN  
[54] **A REPLACEABLE UNIT FOR AN IMAGE FORMING DEVICE HAVING A SENSOR FOR SENSING ROTATIONAL MOTION OF A PADDLE IN A TONER RESERVOIR OF THE REPLACEABLE UNIT**  
[54] **UNITE REMPLACABLE POUR UN DISPOSITIF DE FORMATION D'IMAGE QUI COMPORTE UN CAPTEUR DESTINE A DETECTER LE MOUVEMENT DE ROTATION D'UNE PALE DANS UN RESERVOIR DE TONER DE L'UNITE REMPLACABLE**  
[72] LEEMHUIS, MICHAEL CRAIG, US  
[72] ABLER, JEFFREY ALAN, US  
[72] STEINBERG, DANIEL THOMAS, US  
[73] LEXMARK INTERNATIONAL, INC., US  
[85] 2015-05-21  
[86] 2013-12-17 (PCT/US2013/075575)  
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[54] **ANVIL POSITION DETECTOR FOR A SURGICAL STAPLER**  
[54] **DETECTEUR DE POSITION D'ENCLUME POUR AGRAFEUSE CHIRURGICALE**  
[72] VIOLA, FRANK, US  
[73] TYCO HEALTHCARE GROUP LP, US  
[86] (2892299)  
[87] (2892299)  
[22] 2008-04-02  
[62] 2,628,072  
[30] US (11/799,687) 2007-05-01

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[13] C

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[25] EN  
[54] **DENTAL FURNACE**  
[54] **FOUR DENTAIRE**  
[72] JUSSEL, RUDOLF, AT  
[73] IVOCLAR VIVADENT AG, LI  
[85] 2015-06-02  
[86] 2013-11-07 (PCT/EP2013/073287)  
[87] (WO2014/090487)  
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[13] C

[51] **Int.Cl. C07F 5/02 (2006.01) A61K 31/69 (2006.01) A61P 29/00 (2006.01)**  
[25] EN  
[54] **SUBSTITUTED TRIAZOLE BORONIC ACID COMPOUNDS**  
[54] **COMPOSES D'ACIDE TRIAZOLEBORONIQUE SUBSTITUES**  
[72] LYNCH, STEPHEN M., US  
[72] NEIDHART, WERNER, FR  
[72] PLANCHER, JEAN-MARC, FR  
[72] SCHULZ-GASCH, TANJA, CH  
[73] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2015-06-02  
[86] 2013-11-29 (PCT/EP2013/075031)  
[87] (WO2014/086664)  
[30] US (61/732,459) 2012-12-03

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[13] C

[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 3/0488 (2013.01)**  
[25] EN  
[54] **TOUCH SCREEN DEVICE, METHOD, AND GRAPHICAL USER INTERFACE FOR DETERMINING COMMANDS BY APPLYING HEURISTICS**  
[54] **DISPOSITIF D'ECRAN TACTILE, METHODE ET INTERFACE UTILISATEUR GRAPHIQUE SERVANT A DETERMINER LES COMMANDES EN APPLIQUANT L'HEURISTIQUE**  
[72] JOBS, STEVEN P., US  
[72] FORSTALL, SCOTT, US  
[72] CHRISTIE, GREG, US  
[72] LEMAY, STEPHEN O., US  
[72] HERZ, SCOTT, US  
[72] VAN OS, MARCEL, US  
[72] ORDING, BAS, US  
[72] NOVICK, GREGORY, US  
[72] WESTERMAN, WAYNE C., US  
[72] CHAUDHRI, IMRAN, US  
[72] COFFMAN, PATRICK LEE, US  
[72] KOCIENDA, KENNETH, US  
[72] GANATRA, NITIN K., US  
[72] WYLD, JEREMY A., US  
[72] BUSH, JEFFREY, US  
[72] ANZURES, FREDDY ALLEN, US  
[72] MATAS, MICHAEL, US  
[72] MARCOS, PAUL D., US  
[72] PISULA, CHARLES J., US  
[72] KING, VIRGIL SCOTT, US  
[72] BLUMENBERG, CHRIS, US  
[72] TOLMASKY, FRANCISCO RYAN, US  
[72] WILLIAMSON, RICHARD, US  
[72] BOULE, ANDRE M.J., US  
[72] LAMIRAUX, HENRI C., US  
[73] APPLE INC., US  
[86] (2893513)  
[87] (2893513)  
[22] 2007-09-06  
[62] 2,735,309  
[30] US (60/824,769) 2006-09-06  
[30] US (60/879,253) 2007-01-07  
[30] US (60/879,469) 2007-01-08  
[30] US (60/937,991) 2007-06-29  
[30] US (60/937,993) 2007-06-29  
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[13] C

[51] **Int.Cl. B25B 7/14 (2006.01) B21F 15/04 (2006.01) B25B 7/22 (2006.01)**  
[25] EN  
[54] **WIRE TWISTING PLIERS**  
[54] **PINCES DE TORSADAGE DE FIL**  
[72] LEGG, LARRY KENNETH, US  
[73] STRIDE TOOL, INC., US  
[85] 2015-06-09  
[86] 2013-12-13 (PCT/US2013/075018)  
[87] (WO2014/093827)  
[30] US (61/736,725) 2012-12-13  
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[13] C

[51] **Int.Cl. B01D 11/04 (2006.01) B01F 3/08 (2006.01)**  
[25] EN  
[54] **JET-BASED MIXER SETTLER**  
[54] **DECANTEUR MELANGEUR PAR JET**  
[72] HULBERT, DAVID GORDON, ZA  
[73] MINTEK, ZA  
[85] 2015-06-03  
[86] 2013-06-07 (PCT/ZA2013/000040)  
[87] (WO2014/089582)  
[30] ZA (2012/09107) 2012-12-03

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[13] C

[51] **Int.Cl. C12P 19/34 (2006.01) C12M 1/38 (2006.01)**  
[25] EN  
[54] **METHODS FOR RAPID MULTIPLEXED AMPLIFICATION OF TARGET NUCLEIC ACIDS**  
[54] **PROCEDES D'AMPLIFICATION MULTIPLEXE RAPIDE D'ACIDES NUCLEIQUES CIBLES**  
[72] SELDEN, RICHARD F., US  
[72] TAN, EUGENE, US  
[72] LAM, HEUNG C., US  
[72] GIESE, HEIDI S., US  
[72] KELLOGG, GREGORY J., US  
[72] WRIGHT, JOHN A., US  
[73] ANDE CORPORATION, US  
[86] (2894945)  
[87] (2894945)  
[22] 2008-04-04  
[62] 2,682,761  
[30] US (60/921,802) 2007-04-04  
[30] US (60/964,502) 2007-08-13  
[30] US (61/028,073) 2008-02-12

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[13] C

[51] **Int.Cl. H02G 3/14 (2006.01)**  
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[54] **COUVERCLE DE BOITE DE  
PLANCHER**  
[72] YE, ZACHARY, CN  
[73] THOMAS & BETTS  
INTERNATIONAL, LLC, US  
[86] (2895017)  
[87] (2895017)  
[22] 2015-06-18  
[30] US (14/721,130) 2015-05-26  
[30] CN (201410290522.X) 2014-06-25

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[11] **2,895,238**  
[13] C

[51] **Int.Cl. A61K 8/64 (2006.01) A61Q  
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[25] EN  
[54] **MODULATION OF  
MELANOGENESIS BY  
MODIFICATION OF TYROSINASE  
BY PALMITOYLATION**  
[54] **MODULATION DE  
MELANOGENESE PAR  
MODIFICATION DE TYROSINASE  
PAR PALMITOYLATION**  
[72] YAROSH, DANIEL B., US  
[72] DECLERCQ, LIEVE, BE  
[72] NIKI, YOKO, JP  
[72] SAITO, NAOAKI, JP  
[73] ELC MANAGEMENT LLC, US  
[85] 2015-06-15  
[86] 2013-12-12 (PCT/US2013/074666)  
[87] (WO2014/099609)  
[30] US (61/740,048) 2012-12-20

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[13] C

[51] **Int.Cl. A47J 31/44 (2006.01) A47J  
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[25] EN  
[54] **BEVERAGE PREPARATION  
MACHINE**  
[54] **MACHINE DE PREPARATION DE  
BOISSON**  
[72] SAUNDERS, TONY, GB  
[73] KONINKLIJKE DOUWE EGBERTS  
B.V., NL  
[86] (2895290)  
[87] (2895290)  
[22] 2015-06-23  
[30] GB (1419347.8) 2014-10-30

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[13] C

[51] **Int.Cl. A61M 5/20 (2006.01) A61M  
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A61M 5/32 (2006.01)**  
[25] EN  
[54] **MEDICAMENT DELIVERY  
DEVICE**  
[54] **DISPOSITIF DE DISTRIBUTION  
DE MEDICAMENT**  
[72] GIAMBATTISTA, LUCIO, US  
[72] BENDEK, ANTONIO, US  
[72] DANIEL, MATTIAS, SE  
[72] KARLSSON, SEBASTIAN, SE  
[73] CAREBAY EUROPE LTD, MT  
[85] 2015-06-18  
[86] 2013-12-06 (PCT/EP2013/075789)  
[87] (WO2014/095424)  
[30] SE (1251499-8) 2012-12-21  
[30] US (61/745,053) 2012-12-21

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[13] C

[51] **Int.Cl. H04W 84/18 (2009.01) H04W  
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[25] EN  
[54] **NETWORK-MANAGED DIRECT  
DEVICE TO DEVICE  
COMMUNICATIONS**  
[54] **COMMUNICATIONS DIRECTES  
DE DISPOSITIF A DISPOSITIF  
GERES PAR RESEAU**  
[72] NOVAK, ROBERT, CA  
[72] GAGE, WILLIAM ANTHONY, CA  
[72] MUKHERJEE, BISWAROOP, CA  
[73] BLACKBERRY LIMITED, CA  
[85] 2015-06-19  
[86] 2013-12-20 (PCT/CA2013/050999)  
[87] (WO2014/094172)  
[30] US (13/724,020) 2012-12-21

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[13] C

[51] **Int.Cl. E05B 15/00 (2006.01) E05B  
63/08 (2006.01)**  
[25] EN  
[54] **MORTISE AND MULTIPOINT  
LATCHING ASSEMBLY**  
[54] **ENSEMBLE DE VERROU A  
MORTAISE ET MULTIPOINT**  
[72] ALI, MOHAMMED M., IN  
[72] KONDI, SUSHANTH A., IN  
[72] PUTASWAMY, KEMPARAJU, IN  
[72] GRAHAM, MATTHEW S., US  
[72] COLEMAN, MICHAEL D., US  
[73] SCHLAGE LOCK COMPANY LLC,  
US  
[86] (2896489)  
[87] (2896489)  
[22] 2015-07-03  
[30] US (14/324,016) 2014-07-03

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[13] C

[51] **Int.Cl. A47C 21/04 (2006.01)**  
[25] EN  
[54] **DISTRIBUTION PAD FOR A  
TEMPERATURE CONTROL  
SYSTEM**  
[54] **COUSSINET DE DISTRIBUTION  
POUR UN MECANISME DE  
CONTROLE DE LA  
TEMPERATURE**  
[72] KARSCHNIK, KODY, US  
[72] ZAISS, VIT, US  
[73] KARSCHNIK, KODY, US  
[73] SELECT COMFORT CORPORATION,  
US  
[73] ZAISS, VIT, US  
[85] 2015-06-25  
[86] 2013-12-27 (PCT/US2013/078106)  
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[30] US (13/728,087) 2012-12-27

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[25] EN  
[54] **MEDICAMENT DELIVERY DEVICE**  
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**

[72] EGERSTROM, JOHAN, SE  
[72] SODERLUND, MARCUS, SE  
[72] RONQUIST, NILS, SE  
[73] CAREBAY EUROPE LTD, MT  
[85] 2015-07-07  
[86] 2014-01-14 (PCT/EP2014/050570)  
[87] (WO2014/111371)  
[30] SE (1350047-5) 2013-01-15  
[30] US (61/752,606) 2013-01-15

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[13] C

[51] **Int.Cl. F23N 1/02 (2006.01) F23N 5/00 (2006.01) F24D 5/02 (2006.01) F24D 19/10 (2006.01) F24H 3/02 (2006.01) F24H 9/20 (2006.01)**

[25] EN  
[54] **COMPENSATING FOR GAS APPLIANCE DE-RATE AT HIGH ALTITUDES**  
[54] **COMPENSATION DE DIMINUTION DE DEBIT D'APPAREIL AU GAZ EN HAUTES ALTITUDES**

[72] SHELLENBERGER, TIMOTHY J., US  
[72] NEIHOUSE, ROBERT S., US  
[73] RHEEM MANUFACTURING COMPANY, US  
[86] (2897694)  
[87] (2897694)  
[22] 2012-07-17  
[62] 2,783,070  
[30] US (61/524,383) 2011-08-17  
[30] US (13/495,623) 2012-06-13

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[13] C

[51] **Int.Cl. A61B 17/072 (2006.01) A61B 17/064 (2006.01)**

[25] EN  
[54] **STAPLE DRIVE ASSEMBLY**  
[54] **DISPOSITIF D'ENTRAINEMENT D'AGRAFES**

[72] OLSON, LEE ANN, US  
[72] STEARNS, RALPH, US  
[73] TYCO HEALTHCARE GROUP LP, US  
[86] (2897953)  
[87] (2897953)  
[22] 2008-07-24  
[62] 2,638,156  
[30] US (11/897,447) 2007-08-30

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[11] **2,898,080**  
[13] C

[51] **Int.Cl. A61K 31/501 (2006.01) A61K 31/4545 (2006.01) A61K 31/506 (2006.01) A61K 31/55 (2006.01) A61P 43/00 (2006.01)**

[25] EN  
[54] **USE OF ALPHA 7 NICOTINIC ACETYLCHOLINE RECEPTOR AGONISTS**  
[54] **UTILISATION D'AGONISTES DU RECEPTEUR NICOTINIQUE ALPHA 7 DE L'ACETYLCHOLINE**

[72] FENDT, MARKUS, CH  
[72] FEUERBACH, DOMINIK, CH  
[72] FINNEMA, SJOERD JOHANNES, SE  
[72] HALLDIN, CHRISTER, SE  
[72] JOHNS, DONALD, US  
[72] LOPEZ-LOPEZ, CRISTINA, CH  
[72] MCALLISTER, KEVIN HALL, CH  
[72] SOVAGO, JUDIT, CH  
[72] WEISS, MARKUS, CH  
[73] NOVARTIS AG, CH  
[85] 2015-07-13  
[86] 2014-01-13 (PCT/IB2014/058225)  
[87] (WO2014/111838)  
[30] US (61/752,772) 2013-01-15

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[11] **2,898,342**  
[13] C

[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01)**

[25] EN  
[54] **MEDICAL SELF-TREATMENT USING NON-INVASIVE VAGUS NERVE STIMULATION**  
[54] **AUTOTRAITEMENT MEDICAL UTILISANT UNE STIMULATION NON INVASIVE DU NERF VAGUE**

[72] SIMON, BRUCE J., US  
[72] ERRICO, JOSEPH P., US  
[72] RAFFLE, JOHN T., US  
[73] ELECTROCORE, LLC, US  
[85] 2015-07-15  
[86] 2014-01-10 (PCT/US2014/011123)  
[87] (WO2014/113294)  
[30] US (61/752,895) 2013-01-15  
[30] US (13/858,114) 2013-04-08

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[11] **2,898,836**  
[13] C

[51] **Int.Cl. E21B 1/24 (2006.01) E21B 1/28 (2006.01) E21B 44/00 (2006.01)**

[25] EN  
[54] **STEPLESS VARIABLE AUTO STROKE HYDRAULIC BREAKER SYSTEM**  
[54] **SYSTEME DE FREINAGE HYDRAULIQUE A COURSE AUTOMATIQUE VARIABLE LINEAIRE**

[72] LEE, WON HAE, KR  
[72] KIM, HAK KYU, KR  
[73] DAEMO ENGINEERING CO., LTD., KR  
[86] (2898836)  
[87] (2898836)  
[22] 2015-07-29  
[30] KR (10-2014-0097411) 2014-07-30

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[11] **2,899,188**  
[13] C  
[51] **Int.Cl. H04N 21/435 (2011.01)**  
[25] EN  
[54] **VIDEO DISPLAY APPARATUS AND OPERATING METHOD THEREOF**  
[54] **APPAREIL D'AFFICHAGE VIDEO ET SON PROCEDE DE FONCTIONNEMENT**  
[72] AN, SEUNGJOO, KR  
[72] OH, SEJIN, KR  
[72] MOON, KYOUNGSOO, KR  
[72] LEE, JINWON, KR  
[72] KIM, JINPIL, KR  
[72] KANG, DONGHYUN, KR  
[72] BAE, JANG HUN, KR  
[73] LG ELECTRONICS INC., KR  
[85] 2015-07-23  
[86] 2014-02-19 (PCT/KR2014/001354)  
[87] (WO2014/129803)  
[30] US (61/767,256) 2013-02-21

[11] **2,899,332**  
[13] C  
[51] **Int.Cl. G10L 19/06 (2013.01) G10L 19/005 (2013.01)**  
[25] EN  
[54] **ENCODER AND METHOD FOR PREDICTIVELY ENCODING, DECODER AND METHOD FOR DECODING, SYSTEM AND METHOD FOR PREDICTIVELY ENCODING AND DECODING AND PREDICTIVELY ENCODED INFORMATION SIGNAL**  
[54] **CODEUR ET PROCEDE DE CODAGE PREDICTIF, DECODEUR ET PROCEDE DE DECODAGE, SYSTEME ET PROCEDE DE CODAGE PREDICTIF ET DE DECODAGE ET SIGNAL D'INFORMATIONS CODE PAR CODAGE PREDICTIF**  
[72] LUTZKY, MANFRED, DE  
[72] SCHULLER, GERALD, DE  
[72] SCHNABEL, MICHAEL, DE  
[72] WERNER, MICHAEL, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
[73] TECHNISCHE UNIVERSITAT ILMENAU, DE  
[86] (2899332)  
[87] (2899332)  
[22] 2011-12-14  
[62] 2,821,603  
[30] EP (10195000.4) 2010-12-14

[11] **2,899,596**  
[13] C  
[51] **Int.Cl. F28D 7/12 (2006.01) B60H 1/22 (2006.01)**  
[25] EN  
[54] **HEAT EXCHANGER**  
[54] **ELEMENT DE TRANSFERT THERMIQUE**  
[72] STRECKER, UWE, DE  
[72] ILCHENKO, VOLODYMYR, DE  
[72] APPEL, KLAUS, RU  
[73] WEBASTO SE, DE  
[85] 2015-07-28  
[86] 2014-02-17 (PCT/EP2014/053018)  
[87] (WO2014/131642)  
[30] DE (10 2013 003 414.0) 2013-02-28

[11] **2,899,744**  
[13] C  
[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/06 (2006.01) A61M 39/22 (2006.01)**  
[25] EN  
[54] **CATHETER ASSEMBLY**  
[54] **ENSEMBLE CATHETER**  
[72] WOEHR, KEVIN, DE  
[73] B. BRAUN MELSUNGEN AG, DE  
[85] 2015-07-29  
[86] 2014-08-18 (PCT/EP2014/067573)  
[87] (WO2015/024904)  
[30] GB (1314953.9) 2013-08-21  
[30] GB (1315401.8) 2013-08-29  
[30] CN (201310527778.3) 2013-10-31  
[30] CN (201320679130.3) 2013-10-31

[11] **2,900,133**  
[13] C  
[51] **Int.Cl. A63H 1/00 (2006.01)**  
[25] EN  
[54] **A SPINNING TOP SCORING SYSTEM WITH EASY OPERATION AND A METHOD OF READING AND WRITING DATA INFORMATION OF THE SAME**  
[54] **SYSTEME D'ACCUMULATION DE POINTS DE GYROSCOPE FACILE A UTILISER ET PROCEDE ASSOCIE D'ECRITURE ET DE LECTURE DE DONNEES**  
[72] CAI, DONGQING, CN  
[73] GUANGDONG ALPHA ANIMATION & CULTURE CO., LTD., CN  
[73] GUANGDONG AULDEY ANIMATION & TOY CO., LTD., CN  
[73] GUANGZHOU ALPHA CULTURE COMMUNICATIONS CO., LTD., CN  
[85] 2015-08-04  
[86] 2014-11-02 (PCT/CN2014/090142)  
[87] (WO2015/074483)  
[30] CN (201310588308.8) 2013-11-21

[11] **2,900,485**  
[13] C  
[51] **Int.Cl. H04N 21/235 (2011.01) H04N 21/236 (2011.01) H04N 21/858 (2011.01)**  
[25] EN  
[54] **SIGNAL TRANSMITTING APPARATUS, SIGNAL TRANSMITTING METHOD, AND SYSTEM FOR TRANSMITTING AND RECEIVING SIGNAL**  
[54] **APPAREIL D'EMISSION DE SIGNAL, PROCEDE D'EMISSION DE SIGNAL ET SYSTEME DE RECEPTION DE SIGNAL**  
[72] KANG, DONGHYUN, KR  
[72] LEE, SEONAH, KR  
[72] OH, SEJIN, KR  
[72] CHOI, JONGSUNG, KR  
[72] KWON, YOUNGHWAN, KR  
[72] AN, SEUNGJOO, KR  
[72] PARK, JUNGWOOK, KR  
[72] KIM, JINPIL, KR  
[72] YANG, SEUNGRYUL, KR  
[72] MOON, KYOUNGSOO, KR  
[73] LG ELECTRONICS INC., KR  
[85] 2015-08-06  
[86] 2014-03-19 (PCT/KR2014/002306)  
[87] (WO2014/148813)  
[30] US (61/803,116) 2013-03-19  
[30] US (61/830,642) 2013-06-04  
[30] US (61/836,165) 2013-06-18  
[30] US (61/837,187) 2013-06-20

[11] **2,901,037**  
[13] C  
[51] **Int.Cl. E01C 23/12 (2006.01) E02F 7/00 (2006.01)**  
[25] EN  
[54] **AUTOMOTIVE MILLING MACHINE, AS WELL AS METHOD FOR DISCHARGING MILLED MATERIAL**  
[54] **MACHINE D'USINAGE AUTOMOBILE, AINSI QU'UNE METHODE DE DECHARGEMENT DU MATERIAU USINE**  
[72] BERNING, CHRISTIAN, DE  
[72] KROELL, HARALD, DE  
[72] KRISTA, TOBIAS, DE  
[72] BARIMANI, CYRUS, DE  
[72] HAEHN, GUENTER, DE  
[72] WINKELS, SEBASTIAN, DE  
[73] WIRTGEN GMBH, DE  
[86] (2901037)  
[87] (2901037)  
[22] 2015-08-19  
[30] DE (10 2014 216 713.2) 2014-08-22

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[11] **2,901,420**  
[13] C

[51] **Int.Cl. H04N 21/222 (2011.01) H04N 21/254 (2011.01) H04N 21/258 (2011.01) H04N 21/45 (2011.01) H04N 21/454 (2011.01)**

[25] EN

[54] **EXTENDING BLACKOUT CONTROL**

[54] **DEVELOPPEMENT DE COMMANDE D'EXTINCTION**

[72] MACK, ROBERT E., US

[72] SAMANT, NIRANJAN R., US

[72] VINCE, LAWRENCE D., US

[73] ARRIS ENTERPRISES LLC, US

[85] 2015-08-14

[86] 2014-02-06 (PCT/US2014/015000)

[87] (WO2014/130254)

[30] US (13/774,489) 2013-02-22

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[11] **2,902,072**  
[13] C

[51] **Int.Cl. H04W 24/00 (2009.01) H04B 17/336 (2015.01)**

[25] EN

[54] **CQI REPORTING FOR MIMO TRANSMISSION IN A WIRELESS COMMUNICATION SYSTEM**

[54] **ETABLISSEMENT DE RAPPORTS CQI POUR LA TRANSMISSION MIMO DANS UN SYSTEME DE COMMUNICATION SANS FIL**

[72] BLANZ, JOSEF J., DE

[72] FERNANDEZ-CORBATON, IVAN JESUS, DE

[73] QUALCOMM INCORPORATED, US

[86] (2902072)

[87] (2902072)

[22] 2008-01-08

[62] 2,673,889

[30] US (60/884,202) 2007-01-09

[30] US (11/969,060) 2008-01-03

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[11] **2,902,422**  
[13] C

[51] **Int.Cl. C07D 471/08 (2006.01)**

[25] EN

[54] **SODIUM SALT OF (2S, 5R)-6-BENZYLOXY-7-OXO-1,6-DIAZA-BICYCLO [3.2.1] OCTANE-2-CARBOXYLIC ACID AND ITS PREPARATION**

[54] **SEL DE SODIUM DE L'ACIDE (2S, 5R)-6-BENZYLOXY-7-OXO-1,6-DIAZA-BICYCLO [3.2.1] OCTANE-2-CARBOXYLIQUE ET SA PREPARATION**

[72] DESHMUKH, VIKAS VITTHALRAO, IN

[72] MISHRA, AMIT CHANDRA, IN

[72] WANI, DATTATRAYA VITTHAL, IN

[72] DESHPANDE, PRASAD KESHAV, IN

[72] BHAVSAR, SATISH, IN

[72] YEOLE, RAVINDRA DATTATRAYA, IN

[72] PATEL, MAHESH VITHALBHAI, IN

[73] WOCKHARDT LIMITED, IN

[85] 2015-08-25

[86] 2013-10-10 (PCT/IB2013/059264)

[87] (WO2014/135929)

[30] IN (699/MUM/2013) 2013-03-08

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[11] **2,902,522**  
[13] C

[51] **Int.Cl. A62C 31/12 (2006.01)**

[25] EN

[54] **FIXED SYSTEMS AND METHODS FOR EXTINGUISHING INDUSTRIAL TANK FIRES, WITH AND WITHOUT FIXED ROOF, INCLUDING AERATED FOAM PROJECTING NOZZLES AND CENTER DIRECTED NOZZLES**

[54] **SYSTEMES FIXES ET PROCEDES POUR LUTTER CONTRE DES INCENDIES DE RESERVOIRS INDUSTRIELS, AVEC OU SANS TOIT FIXE, COMPRENANT DES BUSES DE PROJECTION DE MOUSSE AEREE ET DES BUSES ORIENTEES VERS LE CENTRE**

[72] WILLIAMS, DWIGHT P., US

[72] SPEARS, CASEY R., US

[73] TYCO FIRE & SECURITY GMBH, CH

[86] (2902522)

[87] (2902522)

[22] 2011-10-17

[62] 2,816,161

[30] US (61/455,367) 2010-10-19

[30] US (61/461,413) 2011-01-18

[30] US (61/463,296) 2011-02-14

[30] US (61/519,071) 2011-05-16

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[11] **2,902,523**  
[13] C

[51] **Int.Cl. G06F 17/00 (2006.01) G06F 17/40 (2006.01)**

[25] EN

[54] **CONTEXT DEMOGRAPHIC DETERMINATION SYSTEM**

[54] **SYSTEME DE DETERMINATION DEMOGRAPHIQUE DE CONTEXTE**

[72] LI, JIANGUO, US

[72] ALI, MIR F., US

[72] DAVIS, PAUL C., US

[72] RUSSELL, DALE W., US

[72] YOU, DI, US

[73] ARRIS ENTERPRISES LLC, US

[85] 2015-08-25

[86] 2014-03-11 (PCT/US2014/022887)

[87] (WO2014/164579)

[30] US (13/798,391) 2013-03-13

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[11] **2,902,626**  
[13] C

[51] **Int.Cl. G02B 1/10 (2015.01) B32B 27/30 (2006.01) G02B 5/30 (2006.01) G02C 7/02 (2006.01)**

[25] EN

[54] **PLASTIC LENS AND PRODUCTION METHOD THEREFOR**

[54] **LENTILLE EN PLASTIQUE ET SON PROCEDE DE PRODUCTION**

[72] HAMAKUBO, KATSUSHI, JP

[72] ITO, KAE, JP

[73] HOYA CORPORATION, JP

[85] 2015-08-26

[86] 2014-02-27 (PCT/JP2014/054904)

[87] (WO2014/133087)

[30] JP (2013-037854) 2013-02-27

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[11] **2,902,742**  
[13] C

[51] **Int.Cl. G01B 11/25 (2006.01) G01N 21/00 (2006.01) G01N 21/88 (2006.01)**

[25] EN

[54] **NONCONTACT MEASURING DEVICE**

[54] **DISPOSITIF DE MESURE SANS CONTACT**

[72] MIAN, ZAHID F., US

[72] SPOOR, RYK E., US

[72] GAMACHE, RONALD W., US

[73] INTERNATIONAL ELECTRONIC MACHINES CORPORATION, US

[85] 2015-08-26

[86] 2014-03-19 (PCT/US2014/031165)

[87] (WO2014/153383)

[30] US (61/852,768) 2013-03-21

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[11] **2,903,703**  
[13] C

[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/10 (2016.01) A23L 33/15 (2016.01) A61K 31/355 (2006.01) A61P 3/02 (2006.01)**

[25] EN

[54] **INFANT NUTRITIONAL PRODUCT WITH RRR ALPHA-TOCOPHEROL**

[54] **PRODUIT NUTRITIONNEL POUR NOURRISSON AVEC RRR ALPHA-TOCOPHEROL**

[72] LAI, CHRON-SI, US

[72] KUCHAN, MATTHEW, US

[72] KATZ, GARY, US

[73] ABBOTT LABORATORIES, US

[85] 2015-09-01

[86] 2014-03-13 (PCT/US2014/026339)

[87] (WO2014/160335)

[30] US (61/778,653) 2013-03-13

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[11] **2,904,874**  
[13] C

[51] **Int.Cl. B60N 2/75 (2018.01) B60N 3/00 (2006.01) B64D 11/06 (2006.01)**

[25] EN

[54] **PASSENGER SEAT WITH DROP-DOWN ARMREST ASSEMBLY**

[54] **SIEGE PASSAGER AYANT UN ENSEMBLE ACCOUDOIR ABAISSABLE**

[72] SUHRE, RYAN J., US

[72] PEURIFOY, MARK W., US

[73] B/E AEROSPACE, INC., US

[85] 2015-09-08

[86] 2014-03-31 (PCT/US2014/032359)

[87] (WO2014/165435)

[30] US (61/808,293) 2013-04-04

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[11] **2,904,901**  
[13] C

[51] **Int.Cl. B01D 53/22 (2006.01) B01D 53/62 (2006.01) E21B 43/34 (2006.01)**

[25] EN

[54] **MEMBRANE SEPARATION OF CARBON DIOXIDE FROM NATURAL GAS WITH ENERGY RECOVERY**

[54] **SEPARATION PAR MEMBRANE DE DIOXYDE DE CARBONE A PARTIR DU GAZ NATUREL ACCOMPAGNEE DE RECUPERATION D'ENERGIE**

[72] PLOEGER, JASON MICHAEL, US

[72] PALAMARA, JOHN EUGENE, US

[72] KINDT, JACK THEODORE, US

[73] AIR PRODUCTS AND CHEMICALS, INC., US

[86] (2904901)

[87] (2904901)

[22] 2015-09-21

[30] US (14/496,240) 2014-09-25

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[11] **2,905,245**  
[13] C

[51] **Int.Cl. H02G 15/18 (2006.01) H02G 15/013 (2006.01) H02G 15/184 (2006.01)**

[25] EN

[54] **COVER ASSEMBLIES AND METHODS FOR COVERING ELECTRICAL CABLES AND CONNECTIONS**

[54] **ENSEMBLES ENVELOPPE ET PROCEDES POUR RECOUVRIR DES CABLES ET DES CONNEXIONS ELECTRIQUES**

[72] YAWORSKI, HARRY GEORGE, US

[73] TYCO ELECTRONICS CORPORATION, US

[85] 2015-09-10

[86] 2014-03-10 (PCT/US2014/022608)

[87] (WO2014/159228)

[30] US (13/827,291) 2013-03-14

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[11] **2,905,406**  
[13] C

[51] **Int.Cl. A61F 13/475 (2006.01) D04H 1/4291 (2012.01) D04H 3/007 (2012.01) A61F 13/494 (2006.01) A61F 13/514 (2006.01)**

[25] EN

[54] **METHODS FOR FORMING ABSORBENT ARTICLES WITH NONWOVEN SUBSTRATES**

[54] **PROCEDES DE FORMATION D'ARTICLES ABSORBANTS AYANT DES SUBSTRATS NON TISSES**

[72] CHENG, CALVIN HOI WUNG, US

[72] ISELE, OLAF ERIK ALEXANDER, US

[72] UDENGAARD, BRIAN, DK

[73] THE PROCTER & GAMBLE COMPANY, US

[85] 2015-09-10

[86] 2014-03-13 (PCT/US2014/025823)

[87] (WO2014/151480)

[30] US (13/833,456) 2013-03-15

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[11] **2,905,526**  
[13] C

[51] **Int.Cl. G01S 19/48 (2010.01) G01S 5/00 (2006.01)**

[25] EN

[54] **PRINTED TAG REAL-TIME TRACKING**

[54] **SUIVI EN TEMPS REEL DE BALISE IMPRIMEE**

[72] BILAL, RANA M., SA

[72] FAROOQUI, MUHAMMAD F., SA

[72] CHEEMA, HAMMAD M., SA

[72] SHAMIM, ATIF, SA

[73] KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, SA

[85] 2015-09-11

[86] 2014-02-17 (PCT/IB2014/001070)

[87] (WO2014/140876)

[30] US (13/799,272) 2013-03-13

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[11] **2,905,704**  
[13] C

- [51] **Int.Cl. H01R 13/641 (2006.01)**  
[25] EN  
[54] **AUTOMATIC SPLICE HAVING AN ARM INDICATOR**  
[54] **JONCTION AUTOMATIQUE AYANT UN INDICATEUR DE BRAS**  
[72] DIOP, SEYDOU, US  
[72] ZELAZNY, PAUL F., US  
[73] HUBBELL INCORPORATED, US  
[85] 2015-09-11  
[86] 2014-03-06 (PCT/US2014/021419)  
[87] (WO2014/149899)  
[30] US (61/794,436) 2013-03-15  
[30] US (14/154,866) 2014-01-14

[11] **2,906,064**  
[13] C

- [51] **Int.Cl. A01G 25/06 (2006.01) A01G 29/00 (2006.01)**  
[25] EN  
[54] **IRRIGATION MAT FOR SUPPLYING FLUIDS TO THE ROOT REGION OF PLANTS AND IRRIGATION SYSTEM**  
[54] **TAPIS D'IRRIGATION PERMETTANT DE FOURNIR DES LIQUIDES A LA REGION RACINE DES PLANTES ET SYSTEME D'IRRIGATION**  
[72] HAUB, CHRISTINE, DE  
[72] STIENEMANN, NICO, DE  
[72] HAUB, DIETMAR, DE  
[73] EMP ENTERPRISES, INC., US  
[86] (2906064)  
[87] (2906064)  
[22] 2015-09-25  
[30] DE (DE102014219449.0) 2014-09-25

[11] **2,906,273**  
[13] C

- [51] **Int.Cl. A61K 9/127 (2006.01)**  
[25] EN  
[54] **LIPOSOME FORMULATION AND MANUFACTURE**  
[54] **FORMULATION ET FABRICATION DE LIPOSOMES**  
[72] RICHTER, YORAM, IL  
[72] ZELIG, YEHUDA, IL  
[72] ELMALAK, OMAR, IL  
[72] EYAL, DROR, IL  
[73] BIOREST LTD., IL  
[85] 2015-09-14  
[86] 2013-03-14 (PCT/IB2013/000951)  
[87] (WO2014/140670)

[11] **2,907,981**  
[13] C

- [51] **Int.Cl. A61J 1/05 (2006.01) A61J 1/14 (2006.01) B65D 41/00 (2006.01) B65D 43/00 (2006.01) B65D 47/00 (2006.01)**  
[25] EN  
[54] **SPECIMEN COLLECTION APPARATUS**  
[54] **APPAREIL DE PRELEVEMENT D'ECHANTILLON**  
[72] WILLIAMS, RICHARD O., US  
[72] WILLIAMS, MARK R., US  
[72] WILLIAMS, CHRISTOPHER O., US  
[73] ALPHA TEC SYSTEMS, INC., US  
[85] 2015-09-24  
[86] 2013-03-22 (PCT/US2013/033582)  
[87] (WO2013/148524)  
[30] US (61/615,671) 2012-03-26  
[30] US (13/839,221) 2013-03-15

[11] **2,908,782**  
[13] C

- [51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01)**  
[25] EN  
[54] **MEDICAMENT DELIVERY DEVICE**  
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**  
[72] BERGENS, THOMAS, SE  
[73] CAREBAY EUROPE LTD, MT  
[85] 2015-10-06  
[86] 2014-03-25 (PCT/EP2014/055983)  
[87] (WO2014/166735)  
[30] SE (1350464-2) 2013-04-12

[11] **2,908,928**  
[13] C

- [51] **Int.Cl. A61F 13/494 (2006.01) A61F 13/15 (2006.01) A61F 13/515 (2006.01)**  
[25] EN  
[54] **ABSORBENT ARTICLES WITH BARRIER LEG CUFFS**  
[54] **ARTICLES ABSORBANTS COMPRENANT UN MANCHON DE JAMBES FORMANT BARRIERE**  
[72] BERRIZBEITIA, JOSE MAURICIO, US  
[72] BIANCHI, ERNESTO GABRIEL, DE  
[72] FRAZER, ANDREA MARIE, US  
[73] THE PROCTOR & GAMBLE COMPANY, US  
[85] 2015-10-05  
[86] 2014-04-03 (PCT/US2014/032796)  
[87] (WO2014/168810)  
[30] US (61/809,519) 2013-04-08

[11] **2,908,981**  
[13] C

- [51] **Int.Cl. E21B 19/10 (2006.01)**  
[25] EN  
[54] **A ROTATABLE LINER HANGER WITH EMBEDDED SLIP OF MULTIPLE CONES**  
[54] **UNE SUSPENSION DE COLONNE PERDUE ROTATIVE DOTEE D'UNE GAINE INTEGREEE COMPORTANT PLUSIEURS CONES**  
[72] CAO, XUEHONG, CN  
[72] DUAN, HUIZHU, CN  
[72] YE, NENGCHUAN, CN  
[72] TONG, WENKE, CN  
[72] ZHANG, JINBING, CN  
[72] SI, LIMIN, CN  
[72] LI, HUABIN, CN  
[73] ANTON OILFIELD SERVICES (GROUP) LTD., CN  
[86] (2908981)  
[87] (2908981)  
[22] 2015-10-20

[11] **2,909,500**  
[13] C

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[25] EN  
[54] **CRYSTAL FORM OF CABAZITAXEL AND PREPARATION METHOD THEREOF**  
[54] **FORME CRISTALLINE DE CABAZITAXEL ET METHODE DE PREPARATION ASSOCIEE**  
[72] LI, JING, CN  
[72] YAO, QUANXING, CN  
[73] CHONGQING TAIHAO PHARMACEUTICAL CO.,LTD., CN  
[86] (2909500)  
[87] (2909500)  
[22] 2013-07-18  
[62] 2,870,569  
[30] CN (201210259595.3) 2012-07-25  
[30] WO (PCT/CN2013/079575) 2013-07-18

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[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  
[73] ARKEMA FRANCE, FR  
[85] 2015-10-19  
[86] 2014-08-04 (PCT/FR2014/052028)  
[87] (WO2015/019013)  
[30] FR (13.57762) 2013-08-05

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[51] **Int.Cl. B01D 35/157 (2006.01)**  
[25] EN  
[54] **A FILTER HAVING AN AUTOMATIC CONTROL OF FLOW**  
[54] **UN FILTRE OFFRANT UNE COMMANDE AUTOMATIQUE DE L'ECOULEMENT**  
[72] LIN, JACK, CN  
[73] KEMFLO (NANJING) ENVIRONMENTAL TECHNOLOGY CO., LTD., CN  
[73] KEMFLO INTERNATIONAL CO., LTD., TW  
[73] LIN, CHING SHIUNG, TW  
[86] (2909862)  
[87] (2909862)  
[22] 2015-09-22  
[30] CN (201520304909.6) 2015-05-12

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[13] C

[51] **Int.Cl. B01D 46/02 (2006.01)**  
[25] EN  
[54] **AIR FILTERING DEVICE**  
[54] **DISPOSITIF 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  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-10-27  
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[25] EN  
[54] **COMBINED WIND AND SOLAR POWER GENERATING SYSTEM**  
[54] **SYSTEME DE PRODUCTION COMBINEE D'ENERGIE SOLAIRE ET D'ENERGIE EOLIENNE**  
[72] ARMSTRONG, ROSS D., CA  
[73] SOLAR WIND RELIANCE INITIATIVES (SWRI) LTD., CA  
[86] (2910793)  
[87] (2910793)  
[22] 2015-10-30  
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[51] **Int.Cl. F02K 3/075 (2006.01) F02K 3/02 (2006.01)**  
[25] EN  
[54] **SECONDARY NOZZLE FOR JET ENGINE**  
[54] **BUSE SECONDAIRE POUR MOTEUR A REACTION**  
[72] DAWSON, DAVID LYNN, US  
[72] LARIVIERE, ERIN LEE, US  
[72] PETERSEN, BRIAN JOSEPH, US  
[72] ELLERHORST, ROBERT JEROME, US  
[73] GENERAL ELECTRIC COMPANY, US  
[85] 2015-10-29  
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[87] (WO2015/012920)  
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[13] C

[51] **Int.Cl. E21B 43/18 (2006.01) E21B 43/16 (2006.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR ENHANCING THE RECOVERY OF HEAVY OIL FROM A RESERVOIR**  
[54] **METHODE ET DISPOSITIF PERMETTANT D'AMELIORER LA RECUPERATION DE PETROLE Lourd D'UN RESERVOIR**  
[72] HSU, SHENG-YUAN, US  
[72] HODA, NAZISH, US  
[72] ZHANG, ZHENGYU, US  
[72] YALE, DAVID P., US  
[72] HERBOLZHEIMER, ERIC, US  
[72] CHAIKIN, PAUL M., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[86] (2912275)  
[87] (2912275)  
[22] 2015-11-18  
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[25] EN  
[54] **METHOD AND SYSTEM FOR ENHANCING THE RECOVERY OF HEAVY OIL FROM A RESERVOIR**  
[54] **METHODE ET DISPOSITIF PERMETTANT D'AMELIORER LA RECUPERATION DE PETROLE Lourd D'UN RESERVOIR**  
[72] HODA, NAZISH, US  
[72] HSU, SHENG-YUAN, US  
[72] ZHANG, ZHENGYU, US  
[72] MEIER, STEVEN W., US  
[72] YALE, DAVID P., US  
[72] KUSHNICK, ARNOLD P., US  
[72] MOSER, DAVID J., US  
[72] DALRYMPLE, DAVID C., US  
[72] HERBOLZHEIMER, ERIC, US  
[72] CHAIKIN, PAUL M., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[86] (2912301)  
[87] (2912301)  
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[25] EN  
[54] **METHOD AND SYSTEM FOR ENHANCING THE RECOVERY OF HEAVY OIL FROM A RESERVOIR**  
[54] **METHODE ET DISPOSITIF PERMETTANT D'AMELIORER LA RECUPERATION DE PETROLE LOURD D'UN RESERVOIR**  
[72] YALE, DAVID P., US  
[72] MEIER, STEVEN W., US  
[72] CHAIKIN, PAUL M., US  
[72] ZHANG, ZHENGYU, US  
[72] ADAIR, NEAL L., CA  
[72] HERBOLZHEIMER, ERIC, US  
[72] WANG, JIANLIN, CA  
[72] SAHOO, HEMANTKUMAR R., US  
[72] KUSHNICK, ARNOLD P., US  
[73] EXXONMOBILE UPSTREAM RESEARCH COMPANY, US  
[86] (2912308)  
[87] (2912308)  
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[51] **Int.Cl. F02C 7/00 (2006.01) F02C 7/04 (2006.01) F02C 9/00 (2006.01) F02K 3/00 (2006.01)**  
[25] EN  
[54] **ENGINE WITH A THRUST REVERSER LOCKOUT MECHANISM**  
[54] **MOTEUR EQUIPE D'UN MECANISME DE VERROUILLAGE D'INVERSEUR DE POUSSEE**  
[72] WILLETT, KENNETH R., US  
[72] OZANICH, BRENT MICHAEL, US  
[72] CONWAY, GEORGE ARNOLD, US  
[72] SPIRY, JONATHAN LAREINE, US  
[72] BECK, DANIEL PETER, US  
[72] LARKIN, JEFFREY MICHAEL, US  
[73] GE AVIATION SYSTEMS LLC, US  
[85] 2015-11-25  
[86] 2013-06-07 (PCT/US2013/044730)  
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[13] C

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[25] EN  
[54] **PATIENT-MATCHED APPARATUS AND METHODS FOR PERFORMING SURGICAL PROCEDURES**  
[54] **APPAREIL DE MISE EN CORRESPONDANCE DE PATIENTS ET METHODES D'EXECUTION DE PROCEDURES CHIRURGICALES**  
[72] FREY, GEORGE, US  
[72] MAJORS, BENJAMIN, US  
[72] O'NEIL, CHARLES, US  
[72] LAI, GEOFF, US  
[72] RYDIN, RUSS, US  
[73] FREY, GEORGE, US  
[85] 2015-11-30  
[86] 2014-06-06 (PCT/US2014/041379)  
[87] (WO2014/197844)  
[30] US (61/832,583) 2013-06-07  
[30] US (61/845,463) 2013-07-12  
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[25] EN  
[54] **IMPROVED DISC BRAKE ROTOR FOR HEAVY-DUTY VEHICLES**  
[54] **ROTOR DE FREIN A DISQUE PERFECTIONNE POUR VEHICULES UTILITAIRES LOURDS**  
[72] WHITE, JAY D., US  
[72] MORRIS, JEFFREY S., US  
[73] HENDRICKSON USA, L.L.C., US  
[85] 2015-11-27  
[86] 2014-07-16 (PCT/US2014/046840)  
[87] (WO2015/009821)  
[30] US (61/856,097) 2013-07-19

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[13] C

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[25] EN  
[54] **MULTIPLE-ANTENNA SYSTEM AND MOBILE TERMINAL**  
[54] **SYSTEME MULTI-ANTENNE ET TERMINAL MOBILE**  
[72] ZHAI, HUIQING, CN  
[72] MA, ZHIHUI, CN  
[72] LI, ZHENHUA, CN  
[72] LIANG, CHANGHONG, CN  
[72] YU, RONGDAO, CN  
[72] LIU, SHENG, CN  
[73] HUAWAI TECHNOLOGIES CO., LTD., CN  
[85] 2015-12-02  
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[87] (WO2014/206111)  
[30] CN (201310270549.8) 2013-06-28

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[13] C

[51] **Int.Cl. A47K 10/16 (2006.01)**  
[25] EN  
[54] **A NONLINEAR LINE OF WEAKNESS FORMED BY A PERFORATING APPARATUS**  
[54] **LIGNE DE FAIBLESSE NON-LINEAIRE FORMEE PAR UN APPAREIL DE PERFORATION**  
[72] KIEN, KATHRYN CHRISTIAN, US  
[72] SLOVUT, DEBORAH SUE, US  
[72] VAUGHN, JEFFREY MOSS, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2015-12-09  
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[87] (WO2014/201072)  
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[13] C

[51] **Int.Cl. F15B 13/043 (2006.01) E02F 9/22 (2006.01) F15B 19/00 (2006.01)**  
[25] EN  
[54] **HYDRAULIC CIRCUIT FOR CONSTRUCTION MACHINERY HAVING FLOATING FUNCTION AND METHOD FOR CONTROLLING FLOATING FUNCTION**  
[54] **CIRCUIT HYDRAULIQUE POUR ENGIN DE CONSTRUCTION POSSEDANT UNE FONCTION DE FLOTTEMENT ET PROCEDE DE COMMANDE DE LA FONCTION FLOTTANTE**  
[72] JOUNG, HEA-GYOON, KR  
[72] KIM, SUNG-GON, KR  
[73] VOLVO CONSTRUCTION EQUIPMENT AB, SE  
[85] 2015-12-17  
[86] 2013-10-31 (PCT/KR2013/009788)  
[87] (WO2014/208828)  
[30] KR (PCT/KR2013/005742) 2013-06-28

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[25] EN  
[54] **POLYMERIC CARRIERS OF THERAPEUTIC AGENTS AND RECOGNITION MOIETIES FOR ANTIBODY-BASED TARGETING OF DISEASE SITES**  
[54] **SUPPORTS POLYMERES D'AGENTS THERAPEUTIQUES ET FRACTIONS DE RECONNAISSANCE POUR UN CIBLAGE A BASE D'ANTICORPS DE SITES DE MALADIE**  
[72] GOVINDAN, SERENGULAM V., US  
[72] MOON, SUNG-JU, US  
[72] GOLDENBERG, DAVID M., US  
[72] CHANG, CHIEN HSING, US  
[73] IMMUNOMEDICS, INC., US  
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[25] EN  
[54] **HOT-STAMPED PART AND METHOD OF MANUFACTURING THE SAME**  
[54] **CORPS MOULE PAR ESTAMPAGE A CHAUD ET SON PROCEDE DE PRODUCTION**  
[72] KAWASAKI, KAORU, JP  
[72] AZUMA, MASAFUMI, JP  
[72] ABUKAWA, GENKI, JP  
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP  
[85] 2015-12-29  
[86] 2014-09-12 (PCT/JP2014/074184)  
[87] (WO2015/041159)  
[30] JP (2013-193124) 2013-09-18

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[13] C

[51] **Int.Cl. C09C 1/02 (2006.01)**  
[25] EN  
[54] **USE OF 2-AMINO-2-ETHYL-1,3-PROPANEDIOL AS ADDITIVE IN AQUEOUS SUSPENSIONS OF CALCIUM CARBONATE-COMPRISING MATERIALS WHILE MAINTAINING STABLE SUSPENSION CONDUCTIVITY**  
[54] **UTILISATION DU 2-AMINO-2-ETHYLE-1,3-PROPANEDIOL COMME ADDITIF DANS DES SUSPENSIONS AQUEUSES DE MATERIAUX COMPRENANT DU CARBONATE DE CALCIUM TOUT EN ASSURANT UNE CONDUCTIVITE STABLE DE LA SUSPENSION**  
[72] RENTSCH, SAMUEL, CH  
[72] IPPOLITO, FABIO, CH  
[72] BURI, MATTHIAS, CH  
[72] GANE, PATRICK A.C., CH  
[73] OMYA INTERNATIONAL AG, CH  
[85] 2015-12-29  
[86] 2014-07-07 (PCT/EP2014/064480)  
[87] (WO2015/004073)  
[30] EP (13176322.9) 2013-07-12  
[30] US (61/856,089) 2013-07-19

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[13] C

[51] **Int.Cl. H04W 48/18 (2009.01) H04W 24/00 (2009.01)**  
[25] EN  
[54] **CELL SEARCH AND CONNECTION PROCEDURES IN A CELLULAR COMMUNICATION DEVICE**  
[54] **PROCEDURES DE LIAISON ET DE RECHERCHE DE CELLULE DANS UN DISPOSITIF DE COMMUNICATION CELLULAIRE**  
[72] LINDOFF, BENGT, SE  
[72] REIAL, ANDRES, SE  
[73] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE  
[85] 2016-01-12  
[86] 2014-12-01 (PCT/EP2014/076106)  
[87] (2917317)

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[13] C

[51] **Int.Cl. E04H 17/18 (2006.01) E01F 13/02 (2006.01) E04G 21/32 (2006.01)**  
[25] EN  
[54] **HOARDING SYSTEMS**  
[54] **SYSTEMES DE THESAUROISATION**  
[72] OLINEK, KYLE, CA  
[72] OLINEK, GLENN, CA  
[73] OLINEK, KYLE, CA  
[73] OLINEK, GLENN, CA  
[86] (2919058)  
[87] (2919058)  
[22] 2016-01-25

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[13] C

[51] **Int.Cl. E06B 9/32 (2006.01) E06B 9/26 (2006.01) E06B 9/262 (2006.01)**  
[25] EN  
[54] **CORDLESS SHADE AUTOMATIC LIFT REGULATOR**  
[54] **REGULATEUR DE LEVAGE AUTOMATIQUE DE STORE SANS CORDE**  
[72] MORRIS, JOHN, US  
[73] SPRINGS WINDOW FASHIONS, LLC, US  
[86] (2919679)  
[87] (2919679)  
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[13] C

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[25] EN  
[54] **CHAIN LOAD BINDER**  
[54] **TENDEUR A CHAINE**  
[72] NIU, SHENGLIANG, CN  
[73] ZHEJIANG TOPSUN LOGISTIC CONTROL CO., LTD., CN  
[86] (2920170)  
[87] (2920170)  
[22] 2016-02-05  
[30] CN (CN201510119058.2) 2015-03-18

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[13] C

[51] **Int.Cl. F23N 5/24 (2006.01) F23D 14/32 (2006.01) F23L 7/00 (2006.01)**  
[25] EN  
[54] **BURNER WITH MONITORING**  
[54] **BRULEUR AVEC SURVEILLANCE**  
[72] ALBRIGHT, CHRISTOPHER MICHAEL, US  
[72] HENDERSHOT, REED JACOB, US  
[72] GALLAGHER, MICHAEL J., US  
[72] LEE, THOMAS DAVID MATTHEW, GB  
[72] SLAVEJKOV, ALEKSANDAR GEORGI, US  
[72] D'AGOSTINI, MARK DANIEL, US  
[72] GORUNEY, TUNC, TR  
[73] AIR PRODUCTS AND CHEMICALS, INC., US  
[85] 2016-02-09  
[86] 2015-04-29 (PCT/US2015/028284)  
[87] (WO2015/168278)  
[30] US (61/987,653) 2014-05-02

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[13] C

[51] **Int.Cl. A01C 7/08 (2006.01) A01C 15/04 (2006.01)**  
[25] EN  
[54] **METERING DEVICE FOR METERING BULK MATERIAL**  
[54] **DISPOSITIF DOSEUR SERVANT A DOSER LES MATIERES EN VRAC**  
[72] MATRANGOLO, ENRICO, DE  
[73] KVERNELAND AS, NO  
[85] 2016-02-17  
[86] 2014-07-25 (PCT/EP2014/066076)  
[87] (WO2015/055330)  
[30] EP (13188881.0) 2013-10-16

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[13] C

[51] **Int.Cl. C07J 41/00 (2006.01) A61K 31/4465 (2006.01) A61K 31/565 (2006.01) A61K 31/57 (2006.01) A61K 31/575 (2006.01) A61P 3/10 (2006.01) C07D 211/58 (2006.01) C07J 31/00 (2006.01) C07J 43/00 (2006.01)**  
[25] EN  
[54] **A METHOD FOR TREATING DIABETES**  
[54] **PROCEDE DE TRAITEMENT DU DIABETE**  
[72] MCLANE, MICHAEL, US  
[72] RUIZ-WHITE, INEZ, US  
[72] WOLFE, HENRY R., US  
[73] OHR PHARMACEUTICAL, INC., US  
[86] (2922021)  
[87] (2922021)  
[22] 2008-09-08  
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[13] C

[51] **Int.Cl. C09D 5/16 (2006.01) C09D 105/02 (2006.01)**  
[25] EN  
[54] **FORMULA AND PROCESS FOR CROSSLINKING ANTIMICROBIALS TO SURFACES AND POLYMERS**  
[54] **FORMULATION ET PROCEDE POUR LA RETICULATION D'ANTIMICROBIENS SUR DES SURFACES ET DES POLYMERES**  
[72] GIOVANNIELLO, JOSEPH, US  
[73] SANIT TECHNOLOGIES LLC, US  
[85] 2016-02-25  
[86] 2014-08-29 (PCT/US2014/053475)  
[87] (WO2015/031790)  
[30] US (61/871,887) 2013-08-30

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[13] C

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[54] **EXPANSION ANCHOR**  
[54] **ANCORAGE EXPANSIBLE**  
[72] SCHAEFFER, MARC, AT  
[73] HILTI AKTIENGESELLSCHAFT, LI  
[85] 2016-02-25  
[86] 2014-09-02 (PCT/EP2014/068579)  
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[30] EP (13184593.5) 2013-09-16

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[13] C

[51] **Int.Cl. B60W 20/00 (2016.01) B60W 20/40 (2016.01) B60K 6/00 (2007.10)**  
[25] EN  
[54] **DRIVE SYSTEM FOR HYBRID VEHICLE**  
[54] **MECANISME D'ENTRAINEMENT POUR VEHICULE HYBRIDE**  
[72] SATO, SHUN, JP  
[72] TSUTSUMI, TAKAHIKO, JP  
[72] BABA, MASAYUKI, JP  
[72] SUGIMURA, TOSHIO, JP  
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[86] (2924568)  
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[22] 2016-03-22  
[30] JP (2015-062283) 2015-03-25

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[13] C

[51] **Int.Cl. B62J 23/00 (2006.01) B62J 6/04 (2006.01) B62J 15/00 (2006.01)**  
[25] EN  
[54] **TWO-WHEELED MOTOR VEHICLE**  
[54] **VEHICULE A MOTEUR A DEUX ROUES**  
[72] TAGUMA, TAKAHIRO, JP  
[72] YOSHIMURA, KAZUNORI, JP  
[72] GATO, TAKUMI, JP  
[73] HONDA MOTOR CO., LTD., JP  
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[54] **METHOD FOR DEGRADING BIODEGRADABLE RESIN**  
[54] **PROCEDE DE DEGRADATION D'UNE RESINE BIODEGRADABLE**  
[72] KATAYAMA, TSUTAKI, JP  
[73] TOYO SEIKAN GROUP HOLDINGS, LTD., JP  
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[86] 2014-09-25 (PCT/JP2014/075426)  
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[54] **ANTI-ROTATION PIPE LOCATOR AND HOLDER**

[54] **LOCALISATEUR ET SUPPORT DE CONDUITS ANTIROTATION**

[72] GALLARDO, LUIS, US

[72] BROWN, LARRY D., US

[72] HART, DENNIS, US

[73] SECURUS, INC., US

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[54] **LOW PROFILE WHILE-IN-USE ELECTRICAL BOX AND COVER**

[54] **COFFRET ELECTRIQUE ET COUVERCLE A PROFIL BAS FONCTIONNEL**

[72] DRANE, MARK R., US

[72] STEFANOV, HENRY, US

[73] THOMAS & BETTS INTERNATIONAL LLC, US

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[87] (2925312)

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[54] **RADIAL FRAME FOR RECEIVING RADIAL GRINDING FORCES**

[54] **CHASSIS RADIAL DESTINE A RECEVOIR DES FORCES DE MEULAGE RADIALES**

[72] FRANGENBERG, MEINHARD, DE

[72] TAMIRU, FELEKE, DE

[73] TAKRAF GMBH, DE

[86] (2925506)

[87] (2925506)

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[25] EN

[54] **SADDLED VEHICLE**

[54] **VEHICULE A SELLE**

[72] YASUTA, NOBUYOSHI, JP

[72] KAMEI, SEITARO, JP

[72] NISHIYAMA, HIROTADA, JP

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

[85] 2016-03-29

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[25] EN

[54] **APREPITANT ORAL LIQUID FORMULATIONS**

[54] **FORMULATIONS LIQUIDES ORALES D'APREPITANT**

[72] TOTI, UDAYA, US

[72] MUKUNDAN, SHYAMPASAD, US

[72] KUNADHARAJU, SASANK CHAITANYA, US

[72] HINGORANI, TUSHAR, US

[72] SOPPIMATH, KUMARESH, US

[72] PEJAVAR, SATISH, US

[72] PURI, NAVNEET, US

[73] INNOPHARMA, INC., US

[85] 2016-04-05

[86] 2014-10-08 (PCT/US2014/059767)

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[54] **PERFORATED ADSORBENT PARTICLES**

[54] **PARTICULES ADSORBANTES PERFOREES**

[72] HARRIOTT, GEORGE MATTHEW, US

[72] JIN, BO, US

[72] O'NEILL, CHRISTOPHER MICHAEL, US

[72] WEIST, EDWARD LANDIS, JR., US

[72] WHITLEY, ROGER DEAN, US

[72] WU, JUNXIAO, US

[73] AIR PRODUCTS AND CHEMICALS, INC., US

[86] (2926669)

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[54] **HYDRAULIC CONTROL OF DOWNHOLE TOOLS**

[54] **COMMANDE HYDRAULIQUE D'OUTILS DE FOND DE TROU**

[72] MAGEREN, OLIVIER, BE

[73] HALLIBURTON ENERGY SERVICES, INC., US

[85] 2016-04-13

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[54] **SYSTEMS FOR CORROSION PROTECTION OF STORAGE TANK SOIL SIDE BOTTOMS**  
[54] **SYSTEMES DE PROTECTION CONTRE LA CORROSION DE FONDS COTE SOL DE CUVES DE STOCKAGE**  
[72] LYUBLINSKI, EFIM YA, US  
[72] RAMDAS, GAUTAM, US  
[72] VAKS, YEFIM, US  
[72] NATALE, TERRY ALAN, US  
[72] POSNER, MONIQUE HUMBERT, US  
[72] BAKER, KELLY, US  
[72] ROYTMAN, ALEXANDER, US  
[73] NORTHERN TECHNOLOGIES INTERNATIONAL CORPORATION, US  
[85] 2016-04-14  
[86] 2014-10-16 (PCT/US2014/060815)  
[87] (WO2015/057914)  
[30] US (61/892,785) 2013-10-18  
[30] US (14/514,505) 2014-10-15

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[13] C

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[25] FR  
[54] **CONTROL SYSTEM FOR ROTORCRAFT, ASSOCIATED ROTORCRAFT AND CORRESPONDING CONTROL METHOD**  
[54] **SYSTEME DE COMMANDE DE GIRAVION, GIRAVION ASSOCIE ET METHODE DE COMMANDE CORRESPONDANTE**  
[72] BYZERY, ROMEO, FR  
[72] VALLART, JEAN-BAPTISTE, FR  
[73] AIRBUS HELICOPTERS, FR  
[86] (2928218)  
[87] (2928218)  
[22] 2016-04-26  
[30] FR (15 00921) 2015-05-04

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[13] C

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[25] EN  
[54] **COMPOSITIONS FOR ORAL ADMINISTRATION OF ZOLEDRONIC ACID OR RELATED COMPOUNDS FOR TREATING DISEASE**  
[54] **COMPOSITIONS POUR ADMINISTRATION ORALE D'ACIDE ZOLEDRONIQUE OU DE COMPOSES ASSOCIES POUR LE TRAITEMENT DE MALADIES**  
[72] TABUTEAU, HERRIOT, US  
[73] ANTECIP BIOVENTURES II LLC, US  
[85] 2016-04-21  
[86] 2014-08-08 (PCT/US2014/050427)  
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[25] EN  
[54] **MODIFYING STRUCTURED SEARCH QUERIES ON ONLINE SOCIAL NETWORKS**  
[54] **MODIFICATION D'INTERROGATIONS DE RECHERCHE STRUCTUREES SUR DES RESEAUX SOCIAUX EN LIGNE**  
[72] WHITNAH, THOMAS S., US  
[72] CHATOT, OLIVIER, US  
[72] VEE, ERIK N., US  
[72] MASCHMEYER, WILLIAM R., US  
[72] PEIRIS, KEITH L., US  
[72] LANGENFELD, ALEXANDER, US  
[73] FACEBOOK, INC., US  
[86] (2932385)  
[87] (2932385)  
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[13] C

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[25] EN  
[54] **PERSONAL VIEWING DEVICE**  
[54] **DISPOSITIF DE VISUALISATION PERSONNELLE**  
[72] DOLAR, RONALD E., US  
[72] CUMMINGS, DAN C., US  
[72] MARSHALL, RUSSELL D., US  
[72] HEAD, BOBBY G., US  
[72] BARDELL, TIMOTHY W., US  
[72] ALBRECHT, STEVEN M., US  
[73] ADPRODUCTS, LLC, US  
[85] 2016-06-10  
[86] 2014-12-18 (PCT/US2014/071076)  
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[30] US (61/918,561) 2013-12-19

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[25] EN  
[54] **AUTOMATED PLANTER FOR PLANTING SEEDLINGS IN OBSTACLE-STREWN AND/OR UNEVEN TERRAIN**  
[54] **PLANTEUSE AUTOMATISEE SERVANT A PLANTER DES PLANTULES EN TERRAIN ACCIDENTE OU INEGAL**  
[72] VAN HORLICK, TIMOTHY C., CA  
[73] TIM C. VAN HORLICK FORESTRY INC., CA  
[86] (2933735)  
[87] (2933735)  
[22] 2016-06-20

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[13] C

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[54] **LIGHT-CURING OVEN**  
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[73] DWS S.R.L., IT  
[85] 2016-06-16  
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[54] **PROCESSING CLAMP**  
[54] **PINCE DE TRAITEMENT**  
[72] SCHMIDT, HEIKO, DE  
[73] SCHMIDT, HEIKO, DE  
[86] (2934210)  
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[54] **REFRIGERATION APPARATUS**  
[54] **APPAREIL DE REFRIGERATION**  
[72] ZHOU, JIANJUN, CN  
[72] ZHANG, HUAWEI, CN  
[72] PU, XIANGHAI, CN  
[72] XU, MINGFENG, CN  
[73] HEFEI HUALING CO., LTD., CN  
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[54] **PLATEAU PORTE-GOBELET**  
[72] LANDRY, PAUL, US  
[73] CASCADES CANADA ULC, CA  
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[54] **ROTULE D'ATTELAGE DE CARAVANE A SELLETTE**  
[72] PULLIAM, RANDALL A., US  
[72] ASKE, WILLIAM A., US  
[72] MCKESSON, KURT E., US  
[72] KARASCH, JAMES M., US  
[73] PULLIAM ENTERPRISES, INC., US  
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[25] EN  
[54] **STABILIZED THROMBIN COMPOSITIONS**  
[54] **COMPOSITIONS DE THROMBINE STABILISEES**  
[72] SENDEROFF, RICHARD I., US  
[72] JIANG, SHAN, US  
[73] MALLINCKRODT PHARMA IP TRADING D.A.C., IE  
[86] (2937487)  
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[25] EN  
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[54] **DISPOSITIF DE DISTRIBUTION DE COURANT DANS UN SYSTEME BASSE TENSION**  
[72] BOCKER, MARC, DE  
[72] GERKENS, MICHAEL, DE  
[72] HAHNEL, ANDREAS, DE  
[72] LANGE, STEPHAN, DE  
[72] SCHURMANN, KLAUS, DE  
[72] TEMPEL, RALPH, DE  
[73] WEIDMUELLER INTERFACE GMBH & CO. KG, DE  
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[86] 2015-02-24 (PCT/EP2015/053854)  
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[30] DE (20 2014 100 829.2) 2014-02-24

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[25] EN  
[54] **USE OF AEROSOLIZED LEVOFLOXACIN FOR TREATING CYSTIC FIBROSIS**  
[54] **UTILISATION DE LEVOFLOXACINE EN AEROSOL POUR TRAITER LA FIBROSE KYSTIQUE**  
[72] LOUITIT, JEFFEREY S., US  
[72] MORGAN, ELIZABETH E., US  
[72] DUDLEY, MICHAEL N., US  
[72] GRIFFITH, DAVID C., US  
[72] LOMOVSKAYA, OLGA, US  
[73] HORIZON ORPHAN LLC, US  
[86] (2938650)  
[87] (2938650)  
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[54] **SYSTEMS AND METHODS FOR BRAKE SENSING**  
[54] **SYSTEMES ET PROCEDES POUR DETECTION DE FREIN**  
[72] KIDDOO, MICHAEL ROY, US  
[72] HIGHTOWER, JAMES MICHAEL, US  
[72] OKESON, BRADLEY DWIGHT, US  
[73] UNIVERSAL CITY STUDIOS LLC, US  
[85] 2016-08-05  
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[54] **CATHETER DE SECURITE**  
[72] KIM, KEUN SHIK, KR  
[73] MEDIFIRST CO., LTD., KR  
[85] 2016-08-11  
[86] 2015-02-24 (PCT/KR2015/001735)  
[87] (WO2015/126218)  
[30] KR (10-2014-0021618) 2014-02-24  
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[13] C

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[25] EN  
[54] **DART VALVE ASSEMBLY FOR A BYPASS PLUNGER**  
[54] **VANNE A DARD DESTINEE A UN PISTON DE DERIVATION**  
[72] BOYD, GARRETT S., US  
[72] BOYD, MITCHELL A., US  
[72] LEE, JOHN M., US  
[72] WINFORD, GARRETT W., US  
[73] FLOWCO PRODUCTION SOLUTIONS, LLC, US  
[86] (2940147)  
[87] (2940147)  
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[30] US (62/209,549) 2015-08-25  
[30] US (15/245,740) 2016-08-24

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[13] C

- [51] **Int.Cl. B22D 11/10 (2006.01) B22D 41/50 (2006.01) B22D 41/56 (2006.01)**  
[25] EN  
[54] **IMMERSION NOZZLE**  
[54] **BUSE D'IMMERSION**  
[72] OKADA, TAKUYA, JP  
[72] KURODA, TAKAHIRO, JP  
[73] KROSAKIHARIMA CORPORATION, JP  
[85] 2016-08-22  
[86] 2015-02-05 (PCT/JP2015/053232)  
[87] (WO2015/129423)  
[30] JP (2014-034481) 2014-02-25

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[13] C

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[25] FR  
[54] **ROTATION SPEED REGULATION DEVICE FOR THE ROTOR OF A ROTORCRAFT, ROTORCRAFT EQUIPPED WITH SUCH A DEVICE AND ASSOCIATED REGULATION METHOD**  
[54] **DISPOSITIF DE REGULATION DE LA VITESSE DE ROTATION D'UN ROTOR DE GIRAVION, GIRAVION EQUIPE D'UN TEL DISPOSITIF ET METHODE DE REGULATION ASSOCIEE**  
[72] VALLART, JEAN-BAPTISTE, FR  
[72] TAHERI, SETAREH, FR  
[72] CERTAIN, NICOLAS, FR  
[73] AIRBUS HELICOPTERS, FR  
[86] (2941295)  
[87] (2941295)  
[22] 2016-09-07  
[30] FR (1501994) 2015-09-25

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[13] C

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[54] **SIMPLE VIDEO COMMUNICATION PLATFORM**  
[54] **SIMPLE PLATE-FORME DE COMMUNICATION VIDEO**  
[72] NUR, RUQIA MOHAMUD, CA  
[72] WILES, RICHARD KELLY, US  
[72] SHIBAEV, GEORGIY, CA  
[72] PAQUET, MICHEL, CA  
[73] AETONIX SYSTEMS, CA  
[85] 2016-09-01  
[86] 2015-03-27 (PCT/IB2015/052290)  
[87] (WO2015/145401)  
[30] US (61/971,929) 2014-03-28  
[30] US (62/037,731) 2014-08-15  
[30] US (62/051,036) 2014-09-16

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[13] C

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[25] EN  
[54] **DIACYLGLYCEROL ACYLTRANSFERASE 2 INHIBITORS FOR USE IN THE TREATMENT OF METABOLIC AND RELATED DISORDERS**  
[54] **INHIBITEURS DE DIACYLGLYCEROL ACYLTRANSFERASE POUR LE TRAITEMENT DE TROUBLES METABOLIQUES OU ANALOGUES**  
[72] CABRAL, SHAWN, US  
[72] FUTATSUGI, KENTARO, US  
[72] HEPWORTH, DAVID, US  
[72] HUARD, KIM, US  
[72] KUNG, DANIEL WEI-SHUNG, US  
[72] ORR, SUVI TUULA MARJUKKA, US  
[72] SONG, KUN, US  
[73] PFIZER INC., US  
[85] 2016-09-14  
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[30] US (61/954,351) 2014-03-17

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[13] C

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[25] EN  
[54] **METHOD AND SYSTEM FOR INTRODUCING A RESERVE NOSE WIRE IN A FACEMASK PRODUCTION LINE**  
[54] **METHODE ET SYSTEME D'INTRODUCTION D'UN FIL DE NEZ DE RESERVE DANS UNE CHAINE DE PRODUCTION DE MASQUE FACIAL**  
[72] WEBER, JOSEPH P., US  
[72] HOUDE, AJAY Y., US  
[72] HARRINGTON, DAVID LAMAR, US  
[72] PAMPERIN, MARK THOMAS, US  
[72] HARRIS, NATHAN CRAIG, US  
[73] AVENT, INC., US  
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[54] **SYSTEMS AND METHODS FOR PROVISIONING TRANSACTION DATA TO MOBILE COMMUNICATIONS DEVICES**  
[54] **SYSTEMES ET PROCESSES DE FOURNITURE DE DONNEES DE TRANSACTIONS A DES DISPOSITIFS MOBILES DE COMMUNICATIONS**  
[72] ASOKAN, SANDEEP K., US  
[72] BAILEY, MICHAEL J., US  
[72] BUSELMEIER, JOE, US  
[72] DELIWALA, MANISH K., US  
[72] MEHTA, CHINTAN, US  
[72] NARSIPUR, KESHAV A., US  
[72] THULASEEDHARAN PILLAI, MANOJ K., US  
[73] AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC., US  
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[11] **2,952,314**  
[13] C

[51] **Int.Cl. H04W 72/12 (2009.01)**  
[25] EN  
[54] **MOBILE COMMUNICATION METHOD, MOBILE STATION, AND RADIO BASE STATION**  
[54] **PROCEDE DE COMMUNICATION MOBILE, STATION MOBILE ET STATION DE BASE RADIO**  
[72] ISHII, HIROYUKI, JP  
[72] UMESH, ANIL, JP  
[73] NTT DOCOMO, INC., JP  
[86] (2952314)  
[87] (2952314)  
[22] 2009-04-22  
[62] 2,725,463  
[30] JP (2008-111922) 2008-04-22  
[30] JP (2008-141685) 2008-05-29  
[30] JP (2009-102500) 2009-04-20

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[11] **2,952,367**  
[13] C

[51] **Int.Cl. B60K 23/00 (2006.01) B60K 20/00 (2006.01)**  
[25] EN  
[54] **CONTROL APPARATUS FOR VEHICLE DRIVING SYSTEM**  
[54] **APPAREIL DE COMMANDE POUR SYSTEME D'ENTRAINEMENT DE VEHICULE**  
[72] TANAKA, TAKAAKI, JP  
[72] KOBAYASHI, NOBUFUSA, JP  
[72] YOSHIKAWA, MASATO, JP  
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[86] (2952367)  
[87] (2952367)  
[22] 2016-12-21  
[30] JP (2015-252565) 2015-12-24

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[11] **2,956,005**  
[13] C

[51] **Int.Cl. B60R 9/10 (2006.01)**  
[25] EN  
[54] **CARRIER FOR A TWO WHEELED VEHICLE**  
[54] **TRANSPORTEUR DESTINE A UN VEHICULE A DEUX ROUES**  
[72] PHILLIPS, CAL M., US  
[73] PHILLIPS, CAL M., US  
[86] (2956005)  
[87] (2956005)  
[22] 2017-01-25  
[30] US (15396710) 2017-01-02

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[11] **2,957,702**  
[13] C

[51] **Int.Cl. E04G 21/00 (2006.01) E04H 12/18 (2006.01) E06C 7/48 (2006.01) F16M 3/00 (2006.01) H02B 1/00 (2006.01) H02B 1/04 (2006.01) H02J 3/00 (2006.01)**  
[25] EN  
[54] **MOBILE POWER POLE APPARATUS FOR PROVIDING METERED ELECTRICAL POWER AND SECURITY MEASURES TO AN UNSERVICED CONSTRUCTION SITE**  
[54] **APPAREIL DE BORNE D'ALIMENTATION ELECTRIQUE MOBILE SERVANT A FOURNIR UNE ALIMENTATION ELECTRIQUE DOSEE ET DES MESURES DE SECURITE A UN CHANTIER DE CONSTRUCTION NON DESSERVI**  
[72] TAYLOR, BRETT, CA  
[73] TAYLOR, BRETT, CA  
[86] (2957702)  
[87] (2957702)  
[22] 2017-02-13

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[11] **2,959,124**  
[13] C

[51] **Int.Cl. B65F 1/06 (2006.01) B65F 1/14 (2006.01) B65F 1/16 (2006.01)**  
[25] EN  
[54] **RECEPTACLE CONFIGURED FOR LINER REPLACEMENT WITHOUT LID REMOVAL**  
[54] **RECEPTACLE CONFIGURE POUR PERMETTRE LE REMPLACEMENT D'UN REVETEMENT INTERIEUR SANS DEVOIR RETIRER UN COUVERCLE**  
[72] FITZGERALD, THOMAS M., US  
[72] MCCLANAHAN, DAVID D., US  
[73] T.M. FITZGERALD & ASSOCIATES, US  
[85] 2017-02-23  
[86] 2015-08-25 (PCT/US2015/046691)  
[87] (WO2016/033042)  
[30] US (62/041,193) 2014-08-25

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[11] **2,962,561**  
[13] C

[51] **Int.Cl. H04B 7/00 (2006.01)**  
[25] EN  
[54] **FIXED INTERMEDIATE  
FREQUENCY SIGNAL WITH  
TUNED LOW FREQUENCY  
LOCAL OSCILLATOR  
REFERENCE FOR LINEAR  
TRANSMITTER**  
[54] **SIGNAL DE FREQUENCE  
INTERMEDIAIRE FIXE  
COMPORTANT UNE REFERENCE  
D'OSCILLATEUR LOCAL  
ACCORDE BASSE FREQUENCE  
POUR EMETTEUR LINEAIRE**  
[72] JACKSON, THOMAS, US  
[72] JOSHI, RAJESH, US  
[72] DAUBERMAN, MICHAEL, US  
[73] HUGHES NETWORK SYSTEMS,  
LLC, US  
[85] 2017-03-24  
[86] 2015-09-22 (PCT/US2015/051395)  
[87] (WO2016/048988)  
[30] US (14/498,200) 2014-09-26

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[11] **2,962,763**  
[13] C

[51] **Int.Cl. C09B 57/00 (2006.01) C09D  
11/50 (2014.01)**  
[25] EN  
[54] **RED THERMOCHROMIC DYES  
AND THEIR INK COMPOSITIONS**  
[54] **COLORANTS  
THERMOCHROMIQUES ROUGES  
ET COMPOSITIONS D'ENCRE  
CORRESPONDANTES**  
[72] WANG, RUIZHENG, US  
[72] ABRAHA, MEDHANEI, US  
[72] DU, YU, US  
[72] HAUGBERG, ROSS, US  
[73] CHROMATIC TECHNOLOGIES INC.,  
US  
[85] 2017-03-27  
[86] 2014-09-26 (PCT/US2014/057844)  
[87] (WO2015/048536)  
[30] US (61/883,935) 2013-09-27

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[11] **2,964,262**  
[13] C

[51] **Int.Cl. A01B 59/042 (2006.01) B62D  
53/04 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE AGRICULTURAL  
IMPLEMENT DRIVESHAFT  
ASSEMBLY HOLDER AND  
IMPLEMENT FITTED WITH  
SAME**  
[54] **SUPPORT DE MECANISME  
D'ARBRE D'ENTRAINEMENT  
D'INSTRUMENT ARATOIRE  
REGLABLE ET INSTRUMENT  
EQUIPE DUDIT SUPPORT**  
[72] SMITH, STEVEN L., US  
[72] HARRINGTON, JACK, US  
[73] ALAMO GROUP INC., US  
[86] (2964262)  
[87] (2964262)  
[22] 2017-04-12  
[30] US (15/196,379) 2016-06-29

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[11] **2,964,910**  
[13] C

[51] **Int.Cl. C12Q 1/6897 (2018.01) C12Q  
1/6876 (2018.01) C12N 1/20 (2006.01)  
C12N 1/21 (2006.01) C12N 15/31  
(2006.01) C12N 15/57 (2006.01) C12N  
15/78 (2006.01) C12P 21/02 (2006.01)  
C40B 30/00 (2006.01) C40B 40/02  
(2006.01)**  
[25] EN  
[54] **METHOD FOR RAPIDLY  
SCREENING MICROBIAL HOSTS  
TO IDENTIFY CERTAIN STRAINS  
WITH IMPROVED YIELD AND/OR  
QUALITY IN THE EXPRESSION  
OF HETEROLOGOUS PROTEINS**  
[54] **PROCEDE POUR RAPIDEMENT  
CRIBLER DES HOTES  
MICROBIENS ET IDENTIFIER  
CERTAINES SOUCHES AYANT  
UN RENDEMENT ET/OU UNE  
QUALITE D'EXPRESSION DES  
PROTEINES HETEROLOGUES  
AMELIORES**  
[72] RAMSEIER, THOMAS M., US  
[72] COLEMAN, RUSSELL J., US  
[72] SCHNEIDER, JANE C., US  
[72] HERSHBERGER, CHARLES D., US  
[73] PFENEX INC., US  
[86] (2964910)  
[87] (2964910)  
[22] 2008-04-25  
[62] 2,685,326  
[30] US (60/914,361) 2007-04-27

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[11] **2,965,554**  
[13] C

[51] **Int.Cl. B01D 53/52 (2006.01) B01D  
53/14 (2006.01)**  
[25] EN  
[54] **PROCESS FOR REMOVING H2S  
FROM GAS STREAM BY  
CALCIUM BASED REACTION  
SEPARATION**  
[54] **PROCEDE POUR ELIMINER LE  
H2S D'UN FLUX GAZEUX PAR  
SEPARATION PAR REACTION  
BASEE SUR LE CALCIUM**  
[72] CHABOT, STEPHANE, CA  
[72] CHAREST, YVES, CA  
[72] BEAULIEU, MARTIN, CA  
[72] MAHFOUD, ABDERRAHMAN, CA  
[73] EXP SERVICES INC., CA  
[85] 2017-04-24  
[86] 2015-10-23 (PCT/CA2015/051081)  
[87] (WO2016/061697)  
[30] US (62/068,198) 2014-10-24

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[11] **2,968,532**  
[13] C

[51] **Int.Cl. A63H 33/18 (2006.01) F41B  
5/00 (2006.01)**  
[25] EN  
[54] **TOY BOW PROJECTILE  
LAUNCHER WITH  
REPLACEABLE ELASTIC  
LAUNCHING ELEMENTS**  
[54] **LANCEUR DE PROJECTILES-  
JOUETS D'ARC AVEC ELEMENTS  
DE LANCER ELASTIQUES  
REMPLOCABLES**  
[72] CUMMINGS, PETER, CN  
[73] KMA CONCEPTS LIMITED, CN  
[85] 2017-05-19  
[86] 2015-11-30 (PCT/US2015/062956)  
[87] (WO2016/089754)  
[30] US (14/556,427) 2014-12-01

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[11] **2,969,208**  
[13] C

[51] **Int.Cl. A61M 1/16 (2006.01) B01D 19/00 (2006.01)**  
[25] EN  
[54] **DEGASSING SYSTEM FOR DIALYSIS**  
[54] **SYSTEME DE DEGAZAGE POUR DIALYSE**  
[72] MEYER, THOMAS E., US  
[72] HAJKO, WILLIAM P., US  
[72] BLOOMBERG, DANIEL JORDAN, US  
[73] MEDTRONIC, INC., US  
[85] 2017-05-29  
[86] 2015-11-11 (PCT/US2015/060090)  
[87] (WO2016/094015)  
[30] US (14/566,686) 2014-12-10

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[11] **2,970,531**  
[13] C

[51] **Int.Cl. H04B 7/155 (2006.01)**  
[25] EN  
[54] **OUTDOOR DIGITAL MODULATOR SYSTEM FOR USE WITH A LINEAR RADIO, AND A METHOD THEREOF**  
[54] **SYSTEME DE MODULATEUR NUMERIQUE EXTERIEUR A UTILISER AVEC UNE RADIO LINEAIRE, ET PROCEDE ASSOCIE**  
[72] JACKSON, THOMAS, US  
[72] EAPEN, GEORGE, US  
[72] LACASSE, PAUL, US  
[73] HUGHES NETWORK SYSTEMS, LLC, US  
[85] 2017-06-09  
[86] 2015-12-29 (PCT/US2015/067772)  
[87] (WO2016/109472)  
[30] US (14/588,124) 2014-12-31

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[11] **2,970,888**  
[13] C

[51] **Int.Cl. B66C 23/72 (2006.01) B66C 23/26 (2006.01) F16M 3/00 (2006.01)**  
[25] EN  
[54] **PREFABRICATED REUSABLE CONCRETE PEDESTAL ELEMENT**  
[54] **ELEMENT DE SOCLE EN BETON, REUTILISABLE, PREFABRIQUE**  
[72] SPRONKEN, JOHN R., CA  
[73] SPRONKEN, JOHN R., CA  
[86] (2970888)  
[87] (2970888)  
[22] 2016-12-21  
[62] 2,952,374

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[11] **2,975,824**  
[13] C

[51] **Int.Cl. B60T 17/22 (2006.01)**  
[25] EN  
[54] **AUTOMATIC CALIBRATION OF FLOW MEASUREMENTS IN LOCOMOTIVE AIR BRAKE SYSTEMS**  
[54] **ETALONNAGE AUTOMATIQUE DES MESURES D'ECOULEMENT DANS DES SYSTEMES DE FREIN A AIR DE LOCOMOTIVE**  
[72] REYNOLDS, JOHN M., US  
[73] NEW YORK AIR BRAKE LLC, US  
[85] 2017-08-03  
[86] 2015-02-04 (PCT/US2015/014415)  
[87] (WO2016/126243)

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[11] **2,976,647**  
[13] C

[51] **Int.Cl. A47J 37/07 (2006.01) F24C 1/04 (2006.01)**  
[25] EN  
[54] **COOKING GRILL USING PELLET FUEL**  
[54] **GRIL DE CUISSON UTILISANT DU COMBUSTIBLE EN PASTILLES**  
[72] MCADAMS, TOM, CA  
[72] HOFER, ETHAN, CA  
[72] DNESTRIANSCHII, LUCIEN, CA  
[73] CRYSTAL SPRING COLONY FARMS LTD., CA  
[85] 2017-08-15  
[86] 2016-02-19 (PCT/CA2016/050152)  
[87] (WO2016/138577)  
[30] US (14/637,494) 2015-03-04

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[11] **2,977,456**  
[13] C

[51] **Int.Cl. C22B 23/00 (2006.01) C22B 3/08 (2006.01)**  
[25] EN  
[54] **WET SMELTING METHOD FOR NICKEL OXIDE ORE**  
[54] **PROCEDE DE FUSION HUMIDE POUR MINERAI D'OXYDE DE NICKEL**  
[72] SHOUJI, HIROFUMI, JP  
[72] KUDO, KEIJI, JP  
[72] OZAKI, YOSHITOMO, JP  
[72] KOBAYASHI, HIROSHI, JP  
[72] ASANO, SATOSHI, JP  
[73] SUMITOMO METAL MINING CO., LTD., JP  
[85] 2017-08-22  
[86] 2015-12-08 (PCT/JP2015/084417)  
[87] (WO2016/136087)  
[30] JP (2015-033940) 2015-02-24

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[11] **2,978,918**  
[13] C

[51] **Int.Cl. D01F 6/90 (2006.01) C08G 69/26 (2006.01) C08K 5/134 (2006.01) C08L 77/06 (2006.01) D03D 15/00 (2006.01) D04B 1/16 (2006.01)**  
[25] EN  
[54] **POLYAMIDE RESIN FIBER, METHOD FOR MANUFACTURING POLYAMIDE RESIN FIBER, POLYAMIDE RESIN COMPOSITION, WOVEN FABRIC, AND KNITTED FABRIC**  
[54] **FIBRE DE RESINE DE POLYAMIDE, PROCEDE DE PRODUCTION D'UNE FIBRE DE RESINE DE POLYAMIDE, COMPOSITION DE RESINE DE POLYAMIDE, TISSU TISSE, ET TISSU TRICOTE**  
[72] OTSUKA, KOSUKE, JP  
[72] KATO, TOMONORI, JP  
[73] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP  
[85] 2017-09-06  
[86] 2016-07-07 (PCT/JP2016/070080)  
[87] (WO2017/010389)  
[30] JP (2015-141871) 2015-07-16

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December 24, 2017 to December 30, 2017

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[21] **2,931,908**  
[13] A1  
[51] **Int.Cl. A47G 23/06 (2006.01) B65D 1/34 (2006.01)**  
[25] EN  
[54] **REUSABLE BEVERAGE TRAY PLATEAU A BOISSON REUTILISABLE**  
[72] KERRIGAN, DARREN W., CA  
[71] KERRIGAN, DARREN W., CA  
[22] 2016-06-28  
[41] 2017-12-28

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[21] **2,933,914**  
[13] A1  
[51] **Int.Cl. A61N 1/40 (2006.01) A61N 1/18 (2006.01) C01B 13/11 (2006.01)**  
[25] EN  
[54] **D'ARSONVAL HIGH FREQUENCY MACHINE OR VIOLET RAY DEVICE WITH REDUCED EMISSION OF ELECTRICALLY CONDUCTED INTERFERENCE**  
[54] **MACHINE HAUTE FREQUENCE D'ARSONVAL OU DISPOSITIF A RAYONNEMENT ULTRAVIOLET A EMISSION REDUITE D'INTERFERENCE CONDUITE ELECTRIQUEMENT**  
[72] RUDERT, BERNHARD S., CA  
[71] RUDERT, BERNHARD S., CA  
[22] 2016-06-27  
[41] 2017-12-27

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[21] **2,933,915**  
[13] A1  
[51] **Int.Cl. B60G 17/015 (2006.01) B60G 17/019 (2006.01) B60G 17/04 (2006.01) B60G 17/08 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR HYDRAULICALLY CONTROLLING A SUSPENSION**  
[54] **SYSTEME ET METHODE DE CONTROLE HYDRAULIQUE D'UNE SUSPENSION**  
[72] KOS, DUSTIN, CA  
[72] WONG, TONY, CA  
[72] BELANGER, MARLIN, CA  
[71] OPTION INDUSTRIES INC., CA  
[22] 2016-06-27  
[41] 2017-12-27

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[21] **2,933,996**  
[13] A1  
[51] **Int.Cl. H01M 8/0656 (2016.01) C02F 1/00 (2006.01) C25B 1/04 (2006.01) H02J 15/00 (2006.01)**  
[25] EN  
[54] **CLEAN ENERGY PRODUCTION METHOD AND APPARATUS**  
[54] **METHODE DE PRODUCTION D'ENERGIE PROPRE ET APPAREIL**  
[72] MILOS, MARVIN, CA  
[71] MILOS, MARVIN, CA  
[22] 2016-06-27  
[41] 2017-12-27

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[21] **2,934,091**  
[13] A1  
[51] **Int.Cl. A23L 33/21 (2016.01) A23L 29/00 (2016.01) A23L 33/00 (2016.01) A23L 33/20 (2016.01)**  
[25] EN  
[54] **USE OF NONDIGESTIBLE NONFIBROUS VOLUMIZER OF MEAL CONTENT AS A METHOD FOR INCREASING FEELING OF SATIETY**  
[54] **UTILISATION D'AGENT D'AUGMENTATION DE VOLUME NON FIBREUX D'UN CONTENU DE REPAS COMME METHODE D'AUGMENTATION DE LA SENSATION DE SATIETE**  
[72] NAFTALOVICH, ROTEM, US  
[72] NAFTALOVICH, DANIEL, US  
[71] NAFTALOVICH, ROTEM, US  
[71] NAFTALOVICH, DANIEL, US  
[22] 2016-06-27  
[41] 2017-12-27

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[21] **2,934,092**  
[13] A1  
[51] **Int.Cl. A47C 21/00 (2006.01) A47C 31/10 (2006.01) A47D 7/00 (2006.01)**  
[25] EN  
[54] **SKIRTED FITTED SHEETS**  
[54] **DRAPS-HOUSSES DOTES D'UNE JUPE**  
[72] WILLIAMS, EKATERINA V., CA  
[71] WILLIAMS, EKATERINA V., CA  
[22] 2016-06-27  
[41] 2017-12-27

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[21] **2,934,093**  
[13] A1

[51] **Int.Cl. G01N 21/3518 (2014.01) G01M 3/04 (2006.01) H01L 31/0304 (2006.01) H01L 31/09 (2006.01)**

[25] EN

[54] **REMOTE SENSING OF NATURAL GAS LEAKS**

[54] **TELEDETECTION DE FUITES DE GAZ NATUREL**

[72] TOLTON, T. BOYD, CA

[71] SYNODON INC., CA

[22] 2016-06-27

[41] 2017-12-27

[21] **2,934,103**  
[13] A1

[51] **Int.Cl. E02D 5/34 (2006.01)**

[25] EN

[54] **DRIVE POINT FOR A PILE**

[54] **POINT D'ENTRAINEMENT D'UN PIEU**

[72] STEINLECHNER, ERICH, AT

[71] TIROLER ROHRE GMBH, AT

[22] 2016-06-27

[41] 2017-12-27

[21] **2,934,141**  
[13] A1

[51] **Int.Cl. E21D 11/00 (2006.01) E21D 11/10 (2006.01)**

[25] EN

[54] **ANNULAR FILL COMPRESSIBLE GROUT MIX FOR USE BEHIND PRE-CAST CONCRETE SEGMENT INSTALLED IN TIME DEPENDENT DEFORMATION TUNNELS**

[54] **MELANGE DE COULIS COMPRESSIBLE POUR REMPLISSAGE ANNULAIRE DESTINE A UNE UTILISATION DERRIERE UN SEGMENT DE BETON PRECOULE INSTALLE DANS LES TUNNELS A DEFORMATION TEMPORELLE**

[72] DIMILLO, TONY, CA

[71] DIMILLO, TONY, CA

[22] 2016-06-27

[41] 2017-12-27

[21] **2,934,175**  
[13] A1

[51] **Int.Cl. A47B 85/00 (2006.01) A47B 83/00 (2006.01)**

[25] EN

[54] **MODULAR BUILDING BLOCKS FOR FURNITURE**

[54] **BLOCS MODULAIRES DESTINES A DES MEUBLES**

[72] AMADI, LAURA, CA

[72] DOO, RACHEL, CA

[71] AMADI, LAURA, CA

[71] DOO, RACHEL, CA

[22] 2016-06-27

[41] 2017-12-27

[21] **2,934,208**  
[13] A1

[51] **Int.Cl. C09K 8/528 (2006.01) C02F 5/08 (2006.01) C02F 5/12 (2006.01) C23F 14/02 (2006.01)**

[25] EN

[54] **FORMULATIONS AND METHODS FOR MINERAL SCALE REMOVAL**

[54] **COMPOSITIONS ET METHODES D'ENLEVEMENT DE DEPOTS MINERAUX**

[72] MASON, DOUGLAS J., US

[71] FQE CHEMICALS INC., CA

[22] 2016-06-28

[41] 2017-12-28

[21] **2,934,213**  
[13] A1

[51] **Int.Cl. B25F 5/00 (2006.01)**

[25] EN

[54] **TOOL FIXTURE FOR ELECTRICALLY-POWERED HAND TOOLS**

[54] **MONTAGE D'OUTIL DESTINE A DES OUTILS MANUELS ELECTRIQUES**

[72] COMEAU, WAYNE, CA

[71] COMEAU, WAYNE, CA

[22] 2016-06-28

[41] 2017-12-28

[21] **2,934,218**  
[13] A1

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

[25] EN

[54] **FLANGE FINGER**

[54] **PATTE DE BRIDE**

[72] UNKNOWN, ZZ

[71] RANGER, MARCUS J., CA

[71] OTTO, LANCE, CA

[22] 2016-06-28

[41] 2017-12-28

[21] **2,934,232**  
[13] A1

[51] **Int.Cl. G02C 5/16 (2006.01)**

[25] EN

[54] **EYEGLASSES SUPPORTED BY PADDING INSIDE TEMPLE ARMS**

[54] **VERRES SUPPORTES PAR UN REMBOURRAGE A L'INTERIEUR DES BRANCHES**

[72] LI, JOHNNY JL, CA

[71] LI, JOHNNY JL, CA

[22] 2016-06-28

[41] 2017-12-28

[21] **2,934,233**  
[13] A1

[51] **Int.Cl. B65D 33/01 (2006.01) A61L 28/00 (2006.01)**

[25] EN

[54] **UPGRADE COLOSTOMY, OSTOMY BAG**

[54] **COLOSTOMIE AMELIOREE, SAC D'OSTOMIE**

[72] PASSARD, HARRY, CA

[71] PASSARD, HARRY, CA

[22] 2016-06-28

[41] 2017-12-28

[21] **2,934,238**  
[13] A1

[51] **Int.Cl. B60P 3/35 (2006.01) B60P 1/43 (2006.01) B60R 15/00 (2006.01)**

[25] EN

[54] **WHEELCHAIR ACCESSIBLE MOBILE WASHROOM TRAILER**

[54] **REMORQUE-TOILETTE MOBILE ACCESSIBLE EN FAUTEUIL ROULANT**

[72] BUNN, DEREK, CA

[71] BUNN, DEREK, CA

[22] 2016-06-28

[41] 2017-12-28

**Demandes canadiennes mises à la disponibilité du public**  
**24 décembre 2017 au 30 décembre 2017**

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[21] **2,934,241**  
[13] A1

[51] **Int.Cl. A62D 1/00 (2006.01) A62C 3/00 (2006.01)**  
[25] EN  
[54] **USE OF DRY ICE TO EXTINGUISH FOREST FIRES**  
[54] **UTILISATION DE GLACE SECHE EN VUE D'ETEINDRE LES INCENDIES DE FORET**  
[72] MESAROS, SUSAN B., US  
[71] MESAROS, SUSAN B., US  
[22] 2016-06-28  
[41] 2017-12-28

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[21] **2,934,309**  
[13] A1

[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/16 (2006.01) E21B 43/24 (2006.01)**  
[25] EN  
[54] **HEAVY FLUID INJECTION METHOD FOR CELLAR HYDROCARBON RECOVERY**  
[54] **METHODE D'INJECTION DE FLUIDE LOURD EN VUE DE LA RECUPERATION D'HYDROCARBURE D'AVANT-PUITS**  
[72] FREDERICK, LAWRENCE J., CA  
[71] HUSKY OIL OPERATIONS LIMITED, CA  
[22] 2016-06-28  
[41] 2017-12-28

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[21] **2,934,346**  
[13] A1

[51] **Int.Cl. B64C 29/00 (2006.01)**  
[25] EN  
[54] **SHORT TAKE OFF AND LANDING ARIAL VEHICLE**  
[54] **VEHICULE AERIEN A COURTE DISTANCE DE DECOLLAGE ET D'ATTERRISSAGE**  
[72] BAILIE, WILLIAM C., CA  
[71] BAILIE, WILLIAM C., CA  
[22] 2016-06-29  
[41] 2017-12-29

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[21] **2,934,361**  
[13] A1

[51] **Int.Cl. B21D 53/24 (2006.01) B23P 15/00 (2006.01) E21D 21/00 (2006.01) F16B 37/00 (2006.01)**  
[25] EN  
[54] **METHOD OF MANUFACTURING A HOLLOW EXTERNALLY THREADED FASTENER**  
[54] **METHODE DE FABRICATION D'UNE FIXATION CREUSE FILETEE DE MANIERE EXTERNE**  
[72] HOUCK, JOEL M., US  
[72] HAGEL, GERALD W., US  
[72] GURSEL, BURAK, US  
[71] SIMPSON STRONG-TIE COMPANY, INC., US  
[22] 2016-06-28  
[41] 2017-12-28

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[21] **2,934,463**  
[13] A1

[51] **Int.Cl. B60K 15/063 (2006.01) B60K 15/073 (2006.01)**  
[25] EN  
[54] **VEHICULAR FUEL TANK PROTECTIVE DEVICE**  
[54] **DISPOSITIF DE PROTECTION DE RESERVOIR DE CARBURANT POUR VEHICULE**  
[72] CHOUINARD, ANDREW R., CA  
[71] CHOUINARD, ANDREW R., CA  
[22] 2016-06-28  
[41] 2017-12-28

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[21] **2,934,575**  
[13] A1

[51] **Int.Cl. F23J 15/02 (2006.01)**  
[25] FR  
[54] **POLLU-SENSER**  
[54] **POLLU-SENSOR**  
[72] PELLETIER, GERALD, CA  
[71] PELLETIER, GERALD, CA  
[22] 2016-06-30  
[41] 2017-12-30

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[21] **2,934,598**  
[13] A1

[51] **Int.Cl. H04N 21/6334 (2011.01) G08B 13/196 (2006.01) G08B 29/18 (2006.01) H04N 5/232 (2006.01) H04N 7/18 (2006.01)**  
[25] EN  
[54] **CCTV MONITORING SYSTEM FOR REGISTERING CAMERA AND MANAGING PERMISSION AND CONTROL METHOD THEREOF**  
[54] **SYSTEME DE SURVEILLANCE EN CIRCUIT FERME SERVANT A ENREGISTRER UNE CAMERA ET A GERER LA PERMISSION, ET METHODE DE CONTROLE ASSOCIEE**  
[72] USIE, WESLEY ROBERT, US  
[71] CHEKT LLC, US  
[22] 2016-06-28  
[41] 2017-12-28

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[21] **2,934,713**  
[13] A1

[51] **Int.Cl. E01B 31/26 (2006.01)**  
[25] EN  
[54] **DEVICE FOR APPLYING RAILROAD ANCHORS**  
[54] **APPAREIL SERVANT A APPLIQUER DES ANCRAGES DE VOIE FERREE**  
[72] FOUCAULT, DANIEL R., CA  
[71] FOUCAULT, DANIEL R., CA  
[22] 2016-07-04  
[41] 2017-12-30  
[30] US (15199778) 2016-06-30

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[21] **2,934,739**  
[13] A1

[51] **Int.Cl. F16F 1/13 (2006.01) F16F 1/12 (2006.01) F16F 15/06 (2006.01)**  
[25] EN  
[54] **ADJUSTABLE STIFFNESS ASSEMBLY**  
[54] **ENSEMBLE DE RENFORT AJUSTABLE**  
[72] SWALLOW, JOHN CRAVEN, CA  
[72] RAUN, ALLAN LEO, CA  
[71] JOHN SWALLOW ASSOCIATES LIMITED, CA  
[22] 2016-06-30  
[41] 2017-12-30

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[21] **2,934,983**  
[13] A1

[51] **Int.Cl. A61K 9/70 (2006.01) A61K 36/00 (2006.01)**  
[25] EN  
[54] **METHODS AND DELIVERY DEVICES USING HERBAL EXTRACTS**  
[54] **METHODES ET APPAREILS DE LIVRAISON EMPLOYANT DES EXTRAITS D'HERBE**  
[72] MCCULLOUGH, TIMOTHY, US  
[71] MCCULLOUGH, TIMOTHY, US  
[22] 2016-06-30  
[41] 2017-12-30

[21] **2,935,058**  
[13] A1

[51] **Int.Cl. B65D 71/42 (2006.01)**  
[25] EN  
[54] **A PACKAGE, A PRE-FORMED FOLDABLE SHEET, A METHOD OF GROUPING ARTICLES AND A METHOD OF PLACING ARTICLES ON A SHELF**  
[54] **UN EMBALLAGE, UNE FEUILLE PLIABLE PREFORMEE, UNE METHODE DE GROUPEMENT D'ARTICLES ET UNE METHODE DE POSITIONNEMENT D'ARTICLES SUR UNE TABLETTE**  
[72] LEBEAU, THOMAS, CA  
[72] SAOUAF, PHILIPPE, CA  
[72] DION, JEAN, CA  
[71] GEOSAF, INC., CA  
[22] 2016-06-30  
[41] 2017-12-30

[21] **2,935,157**  
[13] A1

[51] **Int.Cl. A61K 8/49 (2006.01) A61K 8/06 (2006.01)**  
[25] EN  
[54] **COMPOSITION AND METHOD FOR PROMOTING EYELASH AND EYEBROW GROWTH EXCLUSIVELY CONTAINING NATURALLY SOURCED INGREDIENTS**  
[54] **COMPOSITION ET METHODE DE PROMOTION DE LA CROISSANCE DES CILS ET DES SOURCILS RENFERMANT EXCLUSIVEMENT DES INGREDIENTS DE SOURCE NATURELLE**  
[72] BILON, LAUREN JEAN, CA  
[72] BILON, BRETT, CA  
[72] SCHNELL, IRENE, CA  
[71] PLUME COSMETICS INC., CA  
[22] 2016-06-30  
[41] 2017-12-30

[21] **2,935,179**  
[13] A1

[51] **Int.Cl. A01K 15/02 (2006.01) A01K 13/00 (2006.01) A01K 15/00 (2006.01)**  
[25] EN  
[54] **SWINGZCAT**  
[54] **SWINGZCAT**  
[72] KEARNEY, ALAN J., CA  
[71] KEARNEY, ALAN J., CA  
[22] 2016-07-05  
[41] 2017-12-30  
[30] US (15198875) 2016-06-30

[21] **2,935,348**  
[13] A1

[51] **Int.Cl. A63C 1/00 (2006.01) A43B 5/16 (2006.01) A63C 1/02 (2006.01)**  
[25] EN  
[54] **ICE SKATE**  
[54] **PATIN A GLACE**  
[72] ROUZIER, EDOUARD, CA  
[72] SEGUIN, ALEXIS, CA  
[72] LABONTE, IVAN, CA  
[72] CORBEIL, JEAN-FRANCOIS, CA  
[71] BAUER HOCKEY CORP., CA  
[22] 2016-06-30  
[41] 2017-12-30

[21] **2,935,572**  
[13] A1

[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01)**  
[25] EN  
[54] **MEDICATION INJECTING APPARATUS**  
[54] **APPAREIL D'INJECTION DE MEDICATION**  
[72] ELENIAC, DARCY, CA  
[71] ELENIAC, DARCY, CA  
[22] 2016-07-08  
[41] 2017-12-28  
[30] US (15/194,846) 2016-06-28

[21] **2,935,588**  
[13] A1

[51] **Int.Cl. A01K 7/06 (2006.01) A01K 7/00 (2006.01)**  
[25] EN  
[54] **CONTAMINATION INHIBITING LIVESTOCK WATER BOWL**  
[54] **BOL A EAU DESTINE AU BETAIL EMPECHANT LA CONTAMINATION**  
[72] KENNY, ANDREW, CA  
[71] KENNY, ANDREW, CA  
[22] 2016-06-24  
[41] 2017-12-24

[21] **2,935,918**  
[13] A1

[51] **Int.Cl. A44B 1/08 (2006.01)**  
[25] EN  
[54] **3-D TWIN BUTTON**  
[54] **BOUTON DOUBLE 3D**  
[72] FOERSTNER, GUDRUN HANNE, CA  
[72] FOERSTNER, CEDRIC TOLLIVER (TOLLY), CA  
[72] FOERSTNER, GINGER NISHA, CA  
[72] FOERSTNER, CORA CELINE, CA  
[71] FOERSTNER, GUDRUN HANNE, CA  
[71] FOERSTNER, CEDRIC TOLLIVER (TOLLY), CA  
[71] FOERSTNER, GINGER NISHA, CA  
[71] FOERSTNER, CORA CELINE, CA  
[22] 2016-06-30  
[41] 2017-12-30

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[21] **2,943,968**  
 [13] A1

[51] **Int.Cl. A61F 13/511 (2006.01)**  
 [25] EN  
 [54] **SANITARY NAPKIN**  
 [54] **SERVIETTE HYGIENIQUE**  
 [72] CHIEN, YUAN-CHENG, TW  
 [71] CHIEN, YUAN-CHENG, TW  
 [22] 2016-09-30  
 [41] 2017-12-24  
 [30] TW (105119868) 2016-06-24

[21] **2,944,058**  
 [13] A1

[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**  
 [25] EN  
 [54] **AIR PACK MANIFOLD HAVING ARTICULATED CONTROL**  
 [54] **COLLECTEUR A AIR COMPORTANT UNE COMMANDE ARTICULEE**  
 [72] WILLIAMS, ANDREW, CA  
 [71] CNH INDUSTRIAL CANADA, LTD., CA  
 [22] 2016-10-04  
 [41] 2017-12-30  
 [30] US (61/357,030) 2016-06-30  
 [30] US (15/265,489) 2016-09-14

[21] **2,945,417**  
 [13] A1

[51] **Int.Cl. B66C 1/22 (2006.01)**  
 [25] EN  
 [54] **TOOL LIFTING DEVICES, OILFIELD FLANGE LIFTING SAFETY DEVICES, AND RELATED METHODS OF USE**  
 [54] **APPAREILS DE LEVAGE D'OUTIL, DISPOSITIFS DE SECURITE DE LEVAGE DE BRIDE DE CHAMP PETROLIER ET METHODES D'UTILISATION ASSOCIEES**  
 [72] RANGER, MARCUS A. J., CA  
 [71] RANGER, MARCUS A. J., CA  
 [22] 2016-10-17  
 [41] 2017-12-28  
 [30] CA (2,934,218) 2016-06-28

[21] **2,945,452**  
 [13] A1

[51] **Int.Cl. G08G 1/017 (2006.01) G07B 15/06 (2011.01) G06K 9/62 (2006.01) G09F 7/00 (2006.01)**  
 [25] EN  
 [54] **INTELLIGENT AUTOMATIC LICENSE PLATE RECOGNITION FOR ELECTRONIC TOLLING ENVIRONMENTS**  
 [54] **RECONNAISSANCE AUTOMATIQUE INTELLIGENTE DE PLAQUE D'IMMATRICULATION DESTINEE A DES ENVIRONNEMENTS DE PAYAGE ELECTRONIQUE**  
 [72] GOMES DE ALMEIDA, RICARDO ANDRE SANTOS, PT  
 [72] PINTO, ANTONIO RICARDO RUANO, PT  
 [72] FIGUEIRA, ROMEU RODRIGUES, US  
 [71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE  
 [22] 2016-10-17  
 [41] 2017-12-24  
 [30] PT (109486) 2016-06-24

[21] **2,945,454**  
 [13] A1

[51] **Int.Cl. B65D 19/02 (2006.01) B65D 90/02 (2006.01)**  
 [25] EN  
 [54] **BULK MATERIAL SHIPPING CONTAINER**  
 [54] **CONTENANT D'EXPEDITION DE MATERIAU EN VRAC**  
 [72] ALLEGRETTI, C. JOHN, US  
 [72] CORRIGAN, KEVIN SYLVESTER, US  
 [72] GUERRERO, MARGARITO, US  
 [72] GUERRERO, FELIX, US  
 [71] ARROWS UP, LLC, US  
 [22] 2016-10-13  
 [41] 2017-12-30  
 [30] US (62/357,023) 2016-06-30

[21] **2,947,047**  
 [13] A1

[51] **Int.Cl. G02B 27/10 (2006.01) H04W 88/02 (2009.01)**  
 [25] EN  
 [54] **COLLAPSIBLE VIRTUAL REALITY VIEWER ASSEMBLY**  
 [54] **ENSEMBLE DE VISIONNEUSE DE REALITE VIRTUELLE PLIABLE**  
 [72] WALLEN, THOMAS A., US  
 [71] HALLMARK CARDS, INCORPORATED, US  
 [22] 2016-10-31  
 [41] 2017-12-29  
 [30] US (15/196,205) 2016-06-29

[21] **2,948,028**  
 [13] A1

[51] **Int.Cl. F24C 15/28 (2006.01) F24C 1/04 (2006.01) F24C 15/10 (2006.01)**  
 [25] EN  
 [54] **GRIDDLE AND GAS BURNER RANGE HAVING A HEAT BARRIER**  
 [54] **GRIL ET CUISINIERE AU GAZ COMPORTANT UNE BARRIERE THERMIQUE**  
 [72] BRADEN, BEN, US  
 [72] HANNA, CHARLIE, US  
 [72] SILVA, BRIAN, US  
 [72] TURNER, DEREK, US  
 [71] BSH HOME APPLIANCES CORPORATION, US  
 [71] BSH HAUSGERATE GMBH, DE  
 [22] 2016-11-09  
 [41] 2017-12-30  
 [30] US (15/197,852) 2016-06-30

[21] **2,948,060**  
 [13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**  
 [25] EN  
 [54] **CANOLA VARIETY 45M35**  
 [54] **VARIETE DE CANOLA 45M35**  
 [72] FALAK, IGOR, CA  
 [72] MCCLINCHEY, SCOTT, CA  
 [72] PATEL, JAYANTILAL DEVABHAI, CA  
 [71] PIONEER HI-BRED INTERNATIONAL, INC., US  
 [22] 2016-11-10  
 [41] 2017-12-27  
 [30] US (15/193,675) 2016-06-27

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[21] **2,948,062**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **CANOLA VARIETY PV 560 GM**

[54] **VARIETE DE CANOLA PV 560 GM**

[72] FALAK, IGOR, CA

[72] MCCLINCHEY, SCOTT, CA

[72] PATEL, JAYANTILAL DEVABHAI, CA

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[22] 2016-11-10

[41] 2017-12-27

[30] US (15/193,811) 2016-06-27

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[21] **2,948,065**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A23L 25/00 (2016.01) A01H 1/00 (2006.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **CANOLA VARIETY PV 581 GC**

[54] **VARIETE DE CANOLA PV 581 GC**

[72] MCCLINCHEY, SCOTT, CA

[72] PATEL, JAYANTILAL DEVABHAI, CA

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[22] 2016-11-10

[41] 2017-12-27

[30] US (15/193,469) 2016-06-27

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[21] **2,955,044**  
[13] A1

[51] **Int.Cl. E05D 7/00 (2006.01) A47K 3/30 (2006.01)**

[25] EN

[54] **PIVOT HINGE ASSEMBLY FOR GLASS DOOR**

[54] **ASSEMBLAGE DE CHARNIERE A PIVOT DESTINE A UNE PORTE EN VERRE**

[72] MIRONCHUK, VADYM, US

[72] LIEB, BRIAN, US

[72] MINKOVICH, MICHAEL, US

[71] BATH AUTHORITY LLC DBA DREAMLINE, US

[22] 2017-01-16

[41] 2017-12-30

[30] US (15/199,558) 2016-06-30

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[21] **2,956,207**  
[13] A1

[25] EN

[54] **PROGRAM CODE COMPARISON AND REPORTING**

[54] **COMPARAISON DE CODE DE PROGRAMME ET PRODUCTION DE RAPPORT**

[72] SURI, SIDDHARTH, US

[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE

[22] 2017-01-25

[41] 2017-12-29

[30] US (15/197,156) 2016-06-29

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[21] **2,956,655**  
[13] A1

[51] **Int.Cl. E06B 9/262 (2006.01) E06B 9/266 (2006.01)**

[25] EN

[54] **ARCHITECTURAL COVERING AND METHOD OF MANUFACTURING**

[54] **REVETEMENT ARCHITECTURAL ET METHODE DE FABRICATION**

[72] COLSON, WENDELL B., US

[72] SWISZCZ, PAUL G., US

[71] HUNTER DOUGLAS INC., US

[22] 2017-01-30

[41] 2017-12-30

[30] US (62/357,237) 2016-06-30

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[21] **2,958,987**  
[13] A1

[51] **Int.Cl. E04B 1/76 (2006.01) E04B 1/78 (2006.01) E04F 13/075 (2006.01)**

[25] EN

[54] **BUILDING EXTERIOR INSULATION STRUCTURE**

[54] **STRUCTURE D'ISOLATION EXTERIEURE DE BATIMENT**

[72] OCHI, YOSHIO, JP

[71] NICHIIHA CORPORATION, JP

[22] 2017-02-24

[41] 2017-12-28

[30] JP (JP2016-127341) 2016-06-28

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[21] **2,959,244**  
[13] A1

[51] **Int.Cl. A63H 13/00 (2006.01) A63H 3/00 (2006.01) A63H 33/00 (2006.01)**

[25] EN

[54] **ASSEMBLY WITH OBJECT IN HOUSING AND MECHANISM TO OPEN HOUSING**

[54] **ENSEMBLE COMPORTANT UN OBJET DANS UN LOGEMENT ET MECANISME D'OUVERTURE DU LOGEMENT**

[72] PRUZANSKY, AMY, CA

[72] MCDONALD, DAVID, CA

[72] HASHEMI, HAMID R., CA

[72] CHARBONNEAU, ANNE N., CA

[72] LAI, VICTOR, CA

[71] SPIN MASTER LTD., CA

[22] 2017-02-27

[41] 2017-12-30

[30] US (15/199,341) 2016-06-30

[30] US (15/227,740) 2016-08-03

[30] EP (16193072) 2016-10-10

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[21] **2,960,000**  
[13] A1

[51] **Int.Cl. G07F 17/32 (2006.01) A63F 13/30 (2014.01)**

[25] EN

[54] **INTERACTIVE GAMING AMONG A PLURALITY OF PLAYERS SYSTEMS AND METHODS**

[54] **JEU INTERACTIF RELIANT UNE PLURALITE DE SYSTEMES DE JOUEURS ET DE METHODES**

[72] FRENKEL, BRIAN, US

[72] SIMONS, JORDAN, US

[71] AG 18, LLC, US

[22] 2017-03-03

[41] 2017-12-24

[30] US (15/192,821) 2016-06-24

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[21] **2,961,547**  
[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) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**

[25] EN

[54] **MAIZE INBRED PH25AG**

[54] **MAIS ENDOGAME PH25AG**

[72] COOPER, MARK, US

[71] PIONEER HI-BRED INTERNATIONAL, INC., US

[22] 2017-03-22

[41] 2017-12-27

[30] US (15/193,292) 2016-06-27

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[21] **2,961,648**  
 [13] A1

[51] **Int.Cl. C11B 3/02 (2006.01) C11B 1/00 (2006.01) C11B 1/12 (2006.01) C11B 3/00 (2006.01)**

[25] EN

[54] **CATALYTIC HYDROTHERMAL LIQUEFACTION FOR BIO-OIL PRODUCTION**

[54] **LIQUEFACTION HYDROTHERMALE CATALYTIQUE DESTINEE A LA PRODUCTION DE BIOCARBURANT**

[72] HART, TODD R., US

[72] ELLIOTT, DOUGLAS C., US

[72] SCHMIDT, ANDREW J., US

[72] HALLEN, RICHARD T., US

[71] BATTELLE MEMORIAL INSTITUTE, US

[22] 2017-03-22

[41] 2017-12-28

[30] US (15/195,553) 2016-06-28

[21] **2,962,692**  
 [13] A1

[51] **Int.Cl. E02D 7/10 (2006.01) E02D 7/06 (2006.01)**

[25] EN

[54] **HYDRAULIC IMPACT HAMMER SYSTEMS AND METHODS**

[54] **SYSTEMES ET METHODES DESTINES A UN MARTEAU A PERCUSSION HYDRAULIQUE**

[72] CRESS, STEVEN N., US

[72] KLEKOTKA, JOSEPH M., US

[71] AMERICAN PILEDIVING EQUIPMENT, INC., US

[22] 2017-03-29

[41] 2017-12-30

[30] US (15/199,695) 2016-06-30

[21] **2,963,108**  
 [13] A1

[51] **Int.Cl. H04N 7/18 (2006.01) G06T 3/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DIGITAL MAKEUP MIRROR**

[54] **SYSTEME ET METHODE DESTINES A UN MIROIR DE MAQUILLAGE NUMERIQUE**

[72] VILCOVSKY, NISSI, JP

[72] SABAN, OFER, US

[71] EYEMATCH LTD., GB

[22] 2017-04-04

[41] 2017-12-29

[30] US (62/356,475) 2016-06-29

[30] US (62/430,311) 2016-12-05

[21] **2,963,879**  
 [13] A1

[51] **Int.Cl. H04L 29/14 (2006.01) H04W 24/04 (2009.01) H04L 12/40 (2006.01)**

[25] EN

[54] **SELECTIVE BYPASSING OF DAISY-CHAINED NETWORK DEVICES**

[54] **DEVIATION SELECTIVE DE DISPOSITIFS RESEAU EN CHAINE**

[72] LYNCH, MICHAEL A., US

[72] LIU, LEI, US

[71] SIMMONDS PRECISION PRODUCTS, INC., US

[22] 2017-04-07

[41] 2017-12-28

[30] US (15/195,448) 2016-06-28

[21] **2,963,908**  
 [13] A1

[51] **Int.Cl. G08B 19/02 (2006.01) B64D 15/20 (2006.01) B64D 43/00 (2006.01) G01N 15/02 (2006.01)**

[25] EN

[54] **AUTOMATED SUPER-COOLED WATER-DROPLET SIZE DIFFERENTIATION USING AIRCRAFT ACCRETION PATTERNS**

[54] **DIFFERENTIATION DE TAILLE DE GOUTTELETTE D'EAU SUPER REFROIDIE AUTOMATISEE AU MOYEN DE MOTIFS D'ACCRETION D'AERONEF**

[72] LOPRESTO, VINCENT R., US

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2017-04-10

[41] 2017-12-28

[30] US (15/195,811) 2016-06-28

[21] **2,963,913**  
 [13] A1

[51] **Int.Cl. G08B 19/02 (2006.01) B64D 15/20 (2006.01) B64D 43/00 (2006.01) G01N 15/02 (2006.01)**

[25] EN

[54] **AUTOMATED SUPER-COOLED WATER-DROPLET SIZE DIFFERENTIATION USING AIRCRAFT ACCRETION PATTERNS**

[54] **DIFFERENTIATION DE TAILLE DE GOUTTELETTE D'EAU SUPER REFROIDIE AUTOMATISEE AU MOYEN DE MOTIFS D'ACCRETION D'AERONEF**

[72] LOPRESTO, VINCENT R., US

[72] MATHEIS, BRIAN DANIEL, US

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2017-04-10

[41] 2017-12-28

[30] US (15/195,833) 2016-06-28

[21] **2,964,260**  
 [13] A1

[51] **Int.Cl. G08B 19/02 (2006.01) B64D 15/20 (2006.01) B64D 43/00 (2006.01) G01K 15/00 (2006.01)**

[25] EN

[54] **AIR DATA SENSING PROBE WITH ICING CONDITION DETECTOR**

[54] **SONDE DE DETECTION DE DONNEES DE L'AIR AU MOYEN D'UN DETECTEUR D'ETAT DE GIVRAGE**

[72] BENNING, KEVIN, US

[72] HEUER, WESTON, US

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2017-04-11

[41] 2017-12-28

[30] US (62/355,563) 2016-06-28

[21] **2,964,582**  
 [13] A1

[51] **Int.Cl. B62D 53/08 (2006.01)**

[25] EN

[54] **AIR SPRING ACTUATED SLIDER FOR SEMI-TRAILER**

[54] **COULISSE ACTIONNEE PAR UN RESSORT A AIR DESTINEE A UNE SEMI-REMORQUE**

[72] WALL, KENNETH, US

[72] OCHSE, MICHAEL GUSTAVE, US

[71] REYCO GRANNING, LLC, US

[22] 2017-04-18

[41] 2017-12-28

[30] US (15/195,709) 2016-06-28

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[21] **2,965,069**  
[13] A1

[51] **Int.Cl. B23K 26/342 (2014.01) B23K 26/064 (2014.01)**  
[25] EN  
[54] **WIDE PATH WELDING, CLADDING, ADDITIVE MANUFACTURING**  
[54] **SOUDAGE LARGE, REVETEMENT, FABRICATION ADDITIVE**  
[72] GIESE, WILLIAM R., US  
[72] MILLER, ERIK, US  
[72] STEMA, KIRK, US  
[72] LIU, SHUANG, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2017-04-21  
[41] 2017-12-27  
[30] US (15/193,865) 2016-06-27

[21] **2,965,109**  
[13] A1

[51] **Int.Cl. B23Q 3/06 (2006.01)**  
[25] EN  
[54] **CLAMPING DEVICE**  
[54] **DISPOSITIF DE PINCEMENT**  
[72] HEDIGER, HANS, CH  
[71] EROWA AG, CH  
[22] 2017-04-26  
[41] 2017-12-30  
[30] CH (00829/16) 2016-06-30

[21] **2,966,230**  
[13] A1

[51] **Int.Cl. A01C 7/08 (2006.01)**  
[25] EN  
[54] **PROTECTIVE WEAR COVER FOR METERING UNIT**  
[54] **REJETEMENT D'USURE PROTECTEUR DESTINE A UN COMPTEUR**  
[72] ROBERGE, MARTIN J., CA  
[72] BENT, ETHAN CURTIS STEPHEN, CA  
[72] THOMPSON, DENNIS GEORGE, CA  
[71] CNH INDUSTRIAL CANADA, LTD., CA  
[22] 2017-05-05  
[41] 2017-12-28  
[30] US (15/195,256) 2016-06-28

[21] **2,966,434**  
[13] A1

[51] **Int.Cl. B64D 33/00 (2006.01) B08B 3/00 (2006.01) B64D 15/06 (2006.01) F01D 25/00 (2006.01) F02C 7/00 (2006.01)**  
[25] FR  
[54] **PROPULSION SYSTEM FOR AIRCRAFT**  
[54] **SYSTEME DE PROPULSION POUR AERONEF**  
[72] DELADRIERE, MATHIEU, BE  
[71] SAFRAN AERO BOOSTERS S.A., BE  
[22] 2017-05-04  
[41] 2017-12-28  
[30] BE (2016/5486) 2016-06-28

[21] **2,966,687**  
[13] A1

[51] **Int.Cl. F16L 55/179 (2006.01) B60R 16/08 (2006.01) B64D 47/00 (2006.01) F16L 25/00 (2006.01) F16L 35/00 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR DUCT PROTECTION**  
[54] **SYSTEMES ET METHODES DE DETECTION DE CONDUIT**  
[72] FOUARD, JEAN-MICHEL I., US  
[72] STRASIK, MICHAEL, US  
[71] THE BOEING COMPANY, US  
[22] 2017-05-10  
[41] 2017-12-24  
[30] US (15/192086) 2016-06-24

[21] **2,966,695**  
[13] A1

[51] **Int.Cl. A01C 7/12 (2006.01) A01C 7/08 (2006.01)**  
[25] EN  
[54] **SECTIONAL CONTROL SYSTEM FOR DELIVERY OF AGRICULTURAL PRODUCT ACCORDING TO LOCATION**  
[54] **SYSTEME DE CONTROLE SECTIONNEL DE DISTRIBUTION DE PRODUIT AGRICOLE EN FONCTION DE L'EMPLACEMENT**  
[72] ENGEL, GORD, CA  
[72] KOWALCHUK, TREVOR, CA  
[71] CNH INDUSTRIAL CANADA, LTD., CA  
[22] 2017-05-05  
[41] 2017-12-28  
[30] US (15/195,288) 2016-06-28

[21] **2,967,095**  
[13] A1

[51] **Int.Cl. F01D 17/16 (2006.01) F01D 9/02 (2006.01) F04D 29/56 (2006.01)**  
[25] EN  
[54] **SINGULAR STATOR VANE CONTROL**  
[54] **COMMANDE D'AUBE DE STATOR SINGULIERE**  
[72] SKERTIC, RICHARD J., US  
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US  
[22] 2017-05-11  
[41] 2017-12-27  
[30] US (15/194294) 2016-06-27

[21] **2,967,575**  
[13] A1

[51] **Int.Cl. H04B 1/16 (2006.01) H03M 1/12 (2006.01) H04B 1/59 (2006.01)**  
[25] EN  
[54] **RFID RECEIVER AND METHOD OF EXTRACTING DATA BITS ENCODED IN A RADIO SIGNAL**  
[54] **RECEPTEUR RFID ET METHODE D'EXTRACTION DE BITS DE DONNEES CODES DANS UN SIGNAL RADIO**  
[72] KNOBLAUCH, THOMAS, CH  
[71] LEGIC IDENTSYSTEMS AG, CH  
[22] 2017-05-16  
[41] 2017-12-27  
[30] CH (00814/16) 2016-06-27

[21] **2,967,789**  
[13] A1

[51] **Int.Cl. B21D 28/32 (2006.01) E04D 13/064 (2006.01)**  
[25] EN  
[54] **EAVESTHROUGH OUTLET CUTTER**  
[54] **OUTIL DE DECOUPE DE GOUTIERE**  
[72] GRANT, KEVIN A., CA  
[71] GRANT, KEVIN A., CA  
[22] 2017-05-19  
[41] 2017-12-27  
[30] US (62/354,977) 2016-06-27

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**24 décembre 2017 au 30 décembre 2017**

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[21] **2,967,836**  
[13] A1

[51] **Int.Cl. G01C 9/34 (2006.01) G01C 9/32 (2006.01)**  
[25] EN  
[54] **LEVEL VIAL**  
[54] **FIOLE DE NIVEAU**  
[72] SANCHEZ, ALBERT, US  
[71] STANLEY BLACK & DECKER, INC., US  
[22] 2017-05-19  
[41] 2017-12-30  
[30] US (15/199,280) 2016-06-30

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[21] **2,967,865**  
[13] A1

[51] **Int.Cl. F04D 29/38 (2006.01) F01D 5/14 (2006.01) F01D 9/02 (2006.01) F04D 29/54 (2006.01)**  
[25] EN  
[54] **PRESSURE RECOVERY AXIAL-COMPRESSOR BLADING**  
[54] **AUBAGE DE COMPRESSEUR AXIAL RECUPERATEUR DE PRESSION**  
[72] POWER, BRONWYN, US  
[71] ROLLS-ROYCE CORPORATION, US  
[22] 2017-05-19  
[41] 2017-12-29  
[30] US (15/197,137) 2016-06-29

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[21] **2,968,026**  
[13] A1

[51] **Int.Cl. E04H 12/00 (2006.01)**  
[25] EN  
[54] **POLE REINFORCEMENT**  
[54] **RENFORT DE MONTANT**  
[72] REISDORFF, ROBERT A., US  
[71] LAMINATED WOOD SYSTEMS, INC., US  
[22] 2017-05-23  
[41] 2017-12-24  
[30] US (15/192,422) 2016-06-24

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[21] **2,968,131**  
[13] A1

[51] **Int.Cl. F16B 29/00 (2006.01) B64C 1/12 (2006.01) B64C 3/26 (2006.01) B64C 3/34 (2006.01) F16B 5/02 (2006.01) F16B 43/00 (2006.01)**  
[25] EN  
[54] **FLUID-TIGHT MECHANICAL FASTENING SYSTEM AND ASSOCIATED STRUCTURAL ASSEMBLY**  
[54] **SYSTEME DE FIXATION MECANIQUE ETANCHE ET ENSEMBLE STRUCTURAL ASSOCIE**  
[72] WALKER, STEVEN P., US  
[72] PLASS, CHRISTOPHER E., US  
[72] KLEIN, MICHAEL K., US  
[72] SALMI, JOHN V., US  
[71] THE BOEING COMPANY, US  
[22] 2017-05-24  
[41] 2017-12-24  
[30] US (15/191819) 2016-06-24

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[21] **2,968,169**  
[13] A1

[51] **Int.Cl. B61D 5/00 (2006.01) B61D 5/06 (2006.01)**  
[25] EN  
[54] **TANK CAR NOZZLE REINFORCEMENT AND FLASHING**  
[54] **RENFORT ET BRIDE DE BUSE DE WAGON-CITERNE**  
[72] CRUZ-SALDIVAR, ADRIAN, US  
[72] RODRIGUEZ, JOSE GARCIA, US  
[72] LAWLER, RONALD PORTER, US  
[71] TRINITYRAIL MAINTENANCE SERVICES, INC., US  
[22] 2017-05-24  
[41] 2017-12-30  
[30] US (15/198,895) 2016-06-30

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[21] **2,968,174**  
[13] A1

[51] **Int.Cl. B61D 5/00 (2006.01) B62D 33/02 (2006.01) B62D 33/04 (2006.01)**  
[25] EN  
[54] **TANK CAR TOP PLATFORM CLOSURE PLATE**  
[54] **PLAQUE DE FERMETURE DE PLATEFORME DE DESSUS DE WAGON-CITERNE**  
[72] VERHEY, LEE ANDREW, US  
[72] LAWLER, RONALD PORTER, US  
[72] MOZINGO, MATTHEW PHILIP, US  
[72] KOBYLKA, KEVIN RICHARD, US  
[71] TRINITYRAIL MAINTENANCE SERVICES, INC., US  
[22] 2017-05-24  
[41] 2017-12-30  
[30] US (15/199,370) 2016-06-30

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[21] **2,968,182**  
[13] A1

[51] **Int.Cl. B61D 5/00 (2006.01) B62D 33/02 (2006.01) B62D 33/04 (2006.01)**  
[25] EN  
[54] **TANK CAR TOP PLATFORM ASSEMBLY CLOSURE PLATE**  
[54] **PLAQUE DE FERMETURE D'ENSEMBLE DE PLATEFORME DE DESSUS DE WAGON-CITERNE**  
[72] PINSONNEAULT, PHILLIP LORENZO, US  
[72] CARTEE, SHANNON DALE, US  
[72] FLOYD, MATTHEW, US  
[72] LAWLER, RONALD PORTER, US  
[71] TRINITYRAIL MAINTENANCE SERVICES, INC., US  
[22] 2017-05-24  
[41] 2017-12-30  
[30] US (15/199,443) 2016-06-30

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[21] **2,968,233**  
[13] A1

[51] **Int.Cl. H01J 49/06 (2006.01) H01J 49/42 (2006.01)**

[25] EN

[54] **MASS SPECTROMETER COMPRISING A RADIO FREQUENCY ION GUIDE HAVING CONTINUOUS ELECTRODES**

[54] **SPECTROMETRE DE MASSE COMPORTANT UN GUIDE D'ION A RADIO FREQUENCE COMPRENANT DES ELECTRODES CONTINUES**

[72] MAVANUR, ANIL, US

[72] BOSSMEYER, JENS, DE

[72] GAMAGE, CHAMINDA M., US

[72] MUNTEAN, FELICIAN, US

[71] BRUKER DALTONICS, INC., US

[22] 2017-05-24

[41] 2017-12-30

[30] US (15/197,868) 2016-06-30

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[21] **2,968,576**  
[13] A1

[51] **Int.Cl. A47F 7/19 (2006.01) A47F 5/10 (2006.01) G09F 5/00 (2006.01)**

[25] EN

[54] **APPAREL RACK**

[54] **SUPPORT A VETEMENT**

[72] LAPP, JUDY, US

[72] ALBRIGHT, ANDREA, US

[71] WAL-MART STORES, INC., US

[22] 2017-05-26

[41] 2017-12-30

[30] US (62/369,870) 2016-08-02

[30] US (62/356,747) 2016-06-30

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[21] **2,968,798**  
[13] A1

[51] **Int.Cl. F24F 1/26 (2011.01) F24F 3/153 (2006.01) F25B 41/04 (2006.01)**

[25] EN

[54] **HVAC SYSTEMS HAVING IMPROVED FOUR-WAY VALVE REHEAT CONTROL**

[54] **SYSTEMES CVCA COMPORTANT UNE COMMANDE DE RECHAUFFAGE A VANNE A QUATRE VOIES AMELIOREE**

[72] ALFORD, MALCOLM LLOYD, US

[71] LENNOX INDUSTRIES INC., US

[22] 2017-05-30

[41] 2017-12-29

[30] US (15/197,735) 2016-06-29

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[21] **2,968,959**  
[13] A1

[51] **Int.Cl. B29C 70/30 (2006.01) F02C 7/00 (2006.01) F02C 7/24 (2006.01)**

[25] EN

[54] **METHOD FOR FORMING A COMPOSITE PART OF A GAS TURBINE ENGINE**

[54] **METHODE DE FORMATION D'UNE PIECE EN COMPOSITE D'UN MOTEUR DE TURBINE A GAZ**

[72] OLVER, BRYAN W., CA

[72] CAULFEILD, STEPHEN, CA

[71] PRATT & WHITNEY CANADA CORP., CA

[22] 2017-05-30

[41] 2017-12-28

[30] US (15/194,956) 2016-06-28

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[21] **2,969,686**  
[13] A1

[51] **Int.Cl. G01G 19/08 (2006.01) A01B 51/04 (2006.01)**

[25] FR

[54] **AGRICULTURAL VEHICLE WITH IMPROVED WEIGHING MEANS**

[54] **VEHICULE AGRICOLE MUNI D'UN MOYEN DE PESEE AMELIORE**

[72] MIGNON, FLORENT, FR

[72] PORTRAIT, ALAIN, FR

[72] COSSON, MICKAEL, FR

[71] KUHN-AUDUREAU SA, FR

[22] 2017-06-06

[41] 2017-12-30

[30] FR (1670356) 2016-06-30

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[21] **2,969,727**  
[13] A1

[51] **Int.Cl. B60C 11/03 (2006.01)**

[25] EN

[54] **PNEUMATIC TIRE**

[54] **PNEUMATIQUE**

[72] FUJIOKA, TSUYOSHI, JP

[71] TOYO TIRE & RUBBER CO., LTD., JP

[22] 2017-06-05

[41] 2017-12-30

[30] JP (2016-130527) 2016-06-30

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[21] **2,969,732**  
[13] A1

[51] **Int.Cl. B60C 13/00 (2006.01) B60C 13/02 (2006.01)**

[25] EN

[54] **PNEUMATIC TIRE**

[54] **PNEUMATIQUE**

[72] FUJIOKA, TSUYOSHI, JP

[71] TOYO TIRE & RUBBER CO., LTD., JP

[22] 2017-06-05

[41] 2017-12-30

[30] JP (2016-130585) 2016-06-30

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[21] **2,969,737**  
[13] A1

[51] **Int.Cl. B60C 11/11 (2006.01)**

[25] EN

[54] **PNEUMATIC TIRE**

[54] **PNEUMATIQUE**

[72] FUJIOKA, TSUYOSHI, JP

[71] TOYO TIRE & RUBBER CO., LTD., JP

[22] 2017-06-05

[41] 2017-12-30

[30] JP (2016-130572) 2016-06-30

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[21] **2,969,742**  
[13] A1

[51] **Int.Cl. B60C 11/03 (2006.01)**

[25] EN

[54] **PNEUMATIC TIRE**

[54] **PNEUMATIQUE**

[72] FUJIOKA, TSUYOSHI, JP

[71] TOYO TIRE & RUBBER CO., LTD., JP

[22] 2017-06-05

[41] 2017-12-30

[30] JP (2016-130543) 2016-06-30

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[21] **2,969,747**  
[13] A1

[51] **Int.Cl. B60C 11/03 (2006.01)**

[25] EN

[54] **PNEUMATIC TIRE**

[54] **PNEUMATIQUE**

[72] FUJIOKA, TSUYOSHI, JP

[71] TOYO TIRE & RUBBER CO., LTD., JP

[22] 2017-06-05

[41] 2017-12-30

[30] JP (2016-130536) 2016-06-30

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[21] **2,969,752**  
[13] A1

[51] **Int.Cl. B60C 11/03 (2006.01)**  
[25] EN  
[54] **PNEUMATIC TIRE**  
[54] **PNEUMATIQUE**  
[72] FUJIOKA, TSUYOSHI, JP  
[71] TOYO TIRE & RUBBER CO., LTD., JP  
[22] 2017-06-05  
[41] 2017-12-30  
[30] JP (2016-130532) 2016-06-30

[21] **2,969,978**  
[13] A1

[51] **Int.Cl. F25J 1/02 (2006.01) F25J 5/00 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR IMPROVING THE LIQUEFACTION RATE IN CRYOCOOLER-BASED CRYOGEN GAS LIQUEFIERS**  
[54] **SYSTEME ET METHODE D'AMELIORATION DU TAUX DE LIQUEFACTION DANS UN LIQUIFICATEUR DE GAZ CRYOGENE FONDE SUR UN CRYOREFROIDISSEUR**  
[72] RILLO MILLAN, CONRADO, ES  
[72] SESE MONCLUS, JAVIER, ES  
[71] UNIVERSIDAD DE ZARAGOZA, ES  
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES  
[22] 2017-06-07  
[41] 2017-12-24  
[30] EP (16382300.8) 2016-06-24

[21] **2,969,992**  
[13] A1

[51] **Int.Cl. B64C 27/51 (2006.01) B64C 27/37 (2006.01) B64C 27/39 (2006.01) B64C 27/635 (2006.01)**  
[25] FR  
[54] **ROTOR AND AIRCRAFT EQUIPPED WITH SUCH A ROTOR**  
[54] **ROTOR ET AERONEF POURVU D'UN TEL ROTOR**  
[72] HONNORAT, OLIVIER, FR  
[72] JALAGUIER, JEAN-PIERRE, FR  
[71] AIRBUS HELICOPTERS, FR  
[22] 2017-06-06  
[41] 2017-12-29  
[30] FR (1601027) 2016-06-29

[21] **2,970,224**  
[13] A1

[51] **Int.Cl. E21B 44/04 (2006.01) E21B 44/02 (2006.01)**  
[25] EN  
[54] **STICK-SLIP REDUCTION USING COMBINED TORSIONAL AND AXIAL CONTROL**  
[54] **REDUCTION DE L'EFFET DE COLLER-GLISSER AU MOYEN D'UN CONTROLE COMBINE DE TORSION ET D'AXE**  
[72] HADI, MAHMOUD, US  
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US  
[22] 2017-06-09  
[41] 2017-12-28  
[30] US (15/195,534) 2016-06-28

[21] **2,970,381**  
[13] A1

[51] **Int.Cl. F16L 55/163 (2006.01)**  
[25] EN  
[54] **TUBULAR LINER FOR REHABILITATING UNDERGROUND AND SURFACE PIPES AND PIPELINES**  
[54] **CHEMISE TUBULAIRE SERVANT A LA REHABILITATION ET DE PIPELINES SOUTERRAINS OU EN SURFACE**  
[72] MORISSETTE, SYLVAIN, CA  
[72] BUREAU, MARTIN, CA  
[72] BOISSONNEAULT, SYLVAIN, CA  
[72] HERAUD, JOEL, CA  
[72] LORD, DAVE, CA  
[72] MICHAUD, PASCAL, CA  
[72] GAGNON, GILLES, CA  
[71] SANEXEN ENVIRONMENTAL SERVICES INC., CA  
[71] NIEDNER INC, CA  
[22] 2017-06-12  
[41] 2017-12-30  
[30] US (15/198,466) 2016-06-30

[21] **2,970,435**  
[13] A1

[51] **Int.Cl. H01M 8/0662 (2016.01) H01M 8/04791 (2016.01) H01M 2/02 (2006.01) H01M 2/36 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR INERTIZING AN OXYGEN-CONTAINING GAS**  
[54] **METHODE ET APPAREIL D'INERTAGE D'UN GAZ RENFERMANT DE L'OXYGENE**  
[72] TICHY, FRANZ, DE  
[72] SPETH, BERND, DE  
[72] HARWARDT, EDUARD, DE  
[71] DIEHL AEROSPACE GMBH, DE  
[22] 2017-06-12  
[41] 2017-12-24  
[30] DE (102016007751.4) 2016-06-24

[21] **2,970,623**  
[13] A1

[51] **Int.Cl. F16K 3/00 (2006.01) E21B 34/02 (2006.01) F16K 3/30 (2006.01)**  
[25] EN  
[54] **GATE VALVE AND SEAT INSERT FOR A GATE VALVE**  
[54] **ROBINET-VANNE ET INSERTION DE SIEGE DESTINEE A UN ROBINET-VANNE**  
[72] PARKS, GLENN C., JR., US  
[71] CACTUS WELLHEAD, LLC, US  
[22] 2017-06-14  
[41] 2017-12-27  
[30] US (62/355,010) 2016-06-27

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[21] **2,970,813**  
[13] A1

[51] **Int.Cl. G07C 15/00 (2006.01) G06Q 30/00 (2012.01)**  
[25] EN  
[54] **METHOD AND SYSTEM FOR DETERMINING AND DISPLAYING INFORMATION ON THE PRIZE VALUE OF INSTANT LOTTERY TICKETS OFFERED FOR SALE IN MULTI-BIN ARRAYS**  
[54] **METHODE ET SYSTEME DE DETERMINATION ET D'AFFICHAGE D'INFORMATION SUR LA VALEUR DU PRIX DE BILLETS DE LOTERIE INSTANTANEE EN VUE DE LA VENTE DANS LES RESEAUX MULTI-BACS**  
[72] GHIA, AJAY J., US  
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US  
[22] 2017-06-15  
[41] 2017-12-30  
[30] US (15/199,133) 2016-06-30

[21] **2,970,896**  
[13] A1

[51] **Int.Cl. G03G 5/147 (2006.01)**  
[25] EN  
[54] **METHOD FOR MANUFACTURING FLUORINATED STRUCTURED ORGANIC PHOTORECEPTOR LAYERS**  
[54] **METHODE DE FABRICATION DE COUCHES DE PHOTORECEPTEURS ORGANIQUES FLUORES STRUCTUREES**  
[72] MCGUIRE, GREGORY M., CA  
[72] YANG, SUXIA, CA  
[72] NOSELLA, KIMBERLY D., CA  
[72] HU, NAN-XING, CA  
[72] SAVAGE, EDWARD C., US  
[72] HEDRICK, ROBERT W., US  
[71] XEROX CORPORATION, US  
[22] 2017-06-14  
[41] 2017-12-30  
[30] US (15/198665) 2016-06-30

[21] **2,970,902**  
[13] A1

[51] **Int.Cl. G03G 5/147 (2006.01) C09D 201/04 (2006.01) G03G 15/02 (2006.01)**  
[25] EN  
[54] **FLUORINATED STRUCTURED ORGANIC FILM LAYERS**  
[54] **COUCHES DE PELLICULE ORGANIQUE STRUCTUREE FLUOREE**  
[72] MCGUIRE, GREGORY M., CA  
[72] YANG, SUXIA, CA  
[72] HU, NAN-XING, CA  
[72] SAVAGE, EDWARD C., US  
[72] HEDRICK, ROBERT W., US  
[71] XEROX CORPORATION, US  
[22] 2017-06-14  
[41] 2017-12-30  
[30] US (15/198680) 2016-06-30

[21] **2,971,025**  
[13] A1

[51] **Int.Cl. G01R 31/00 (2006.01) H02J 13/00 (2006.01)**  
[25] EN  
[54] **PASSIVE WIRELESS MONITORING OF INDIVIDUAL CAPACITOR CANS**  
[54] **SURVEILLANCE SANS FIL PASSIVE DE CONTENANTS DE CONDENSATEUR INDIVIDUELS**  
[72] BERKCAN, ERTUGRUL, US  
[72] ADAMIYAK, MARK GERARD, US  
[72] YOUNSI, KARIM, US  
[72] DEKATE, SACHIN N., US  
[72] RAGHAVAN, KAMALA C., US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2017-06-14  
[41] 2017-12-30  
[30] US (15/199,293) 2016-06-30

[21] **2,971,027**  
[13] A1

[51] **Int.Cl. H02J 3/18 (2006.01)**  
[25] EN  
[54] **GAS TUBE-SWITCHED FLEXIBLE ALTERNATING CURRENT TRANSMISSION SYSTEM**  
[54] **SYSTEME DE TRANSMISSION DE COURANT ALTERNATIF SOUPLE A COMMUTATION DE TUBE A GAZ**  
[72] SHE, XU, US  
[72] BRAY, JAMES WILLIAM, US  
[72] SOMMERER, TIMOTHY JOHN, US  
[72] CHOKHAWALA, RAHUL SHANTILAL, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2017-06-14  
[41] 2017-12-30  
[30] US (15/199,367) 2016-06-30

[21] **2,971,034**  
[13] A1

[51] **Int.Cl. F16K 35/00 (2006.01) F16K 17/38 (2006.01) F16K 31/06 (2006.01) F16P 1/00 (2006.01)**  
[25] EN  
[54] **MOUNT DE-ACTUATED SAFETY MECHANISM**  
[54] **MECANISME DE SECURITE DESACTIVE DE L'INSTALLATION**  
[72] BAXENDELL, DOUG JOHN, US  
[72] FRASURE, DAVID WILLIAM, US  
[71] KIDDE TECHNOLOGIES, INC., US  
[22] 2017-06-14  
[41] 2017-12-24  
[30] US (15/191,917) 2016-06-24

[21] **2,971,064**  
[13] A1

[51] **Int.Cl. B25H 3/00 (2006.01) F16B 1/00 (2006.01) F16B 1/04 (2006.01)**  
[25] EN  
[54] **TOOL STORAGE ASSEMBLY**  
[54] **ENSEMBLE DE RANGEMENT D'OUTIL**  
[72] PANG, ANDY KA KEUNG, CA  
[71] PANG, ANDY KA KEUNG, CA  
[22] 2017-06-19  
[41] 2017-12-30  
[30] US (15/198,074) 2016-06-30

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[21] **2,971,329**  
[13] A1

[51] **Int.Cl. C10M 159/24 (2006.01) C10M 159/18 (2006.01)**  
 [25] EN  
 [54] **LUBRICATING OIL COMPOSITIONS**  
 [54] **COMPOSITIONS D'HUILE LUBRIFIANTE**  
 [72] HARTLEY, JOSEPH PETER, GB  
 [71] INFINEUM INTERNATIONAL LIMITED, GB  
 [22] 2017-06-16  
 [41] 2017-12-30  
 [30] EP (16177243.9) 2016-06-30

[21] **2,971,342**  
[13] A1

[51] **Int.Cl. A47L 25/00 (2006.01) A47L 17/00 (2006.01)**  
 [25] EN  
 [54] **CLEANING DEVICE**  
 [54] **APPAREIL DE NETTOYAGE**  
 [72] ZACKSON, SAUL LEON, US  
 [72] ZACKSON, TRACY LYNN, US  
 [71] ZACKSON, SAUL LEON, US  
 [71] ZACKSON, TRACY LYNN, US  
 [22] 2017-06-23  
 [41] 2017-12-26  
 [30] US (15/193076) 2016-06-26

[21] **2,971,358**  
[13] A1

[51] **Int.Cl. F16L 47/02 (2006.01) F16L 13/10 (2006.01) F16L 25/00 (2006.01)**  
 [25] EN  
 [54] **IMPROVEMENTS IN PLUMBING CONNECTIONS**  
 [54] **AMELIORATIONS DE RACCORDS DE PLOMBERIE**  
 [72] MCALPINE, JAMES EDWARD, GB  
 [71] MCALPINE & CO. LTD., GB  
 [22] 2017-06-20  
 [41] 2017-12-24  
 [30] GB (1611044.7) 2016-06-24

[21] **2,971,458**  
[13] A1

[51] **Int.Cl. C08G 18/38 (2006.01) C08G 18/10 (2006.01) C08G 18/22 (2006.01) C09J 175/04 (2006.01)**  
 [25] EN  
 [54] **ALKOXYLSILANE-FUNCTIONALIZED AND ALLOPHANATE-FUNCTIONALIZED URETHANES**  
 [54] **URETHANES FONCTIONNALISES ALKOXYLSILANE ET FONCTIONNALISES ALLOPHANATE**  
 [72] STACHE, WIEBKE, DE  
 [72] UNKELHAUSSER, TOBIAS, DE  
 [72] LILIENTHAL, ANNEGRET, DE  
 [72] BAUER, TINA, DE  
 [71] EVONIK DEGUSSA GMBH, DE  
 [22] 2017-06-21  
 [41] 2017-12-27  
 [30] EP (16176311.5) 2016-06-27

[21] **2,971,468**  
[13] A1

[51] **Int.Cl. G08G 5/00 (2006.01)**  
 [25] EN  
 [54] **METHODS AND SYSTEMS FOR PERFORMANCE BASED ARRIVAL AND SEQUENCING AND SPACING**  
 [54] **METHODES ET SYSTEMES DESTINES A L'ARRIVEE, A LA MISE EN SEQUENCE ET L'ESPACEMENT FONDES SUR LE RENDEMENT**  
 [72] REN, LILING, US  
 [72] TOMLINSON, HAROLD WOODRUFF, US  
 [72] STAUDINGER, VINCENT PAUL, US  
 [72] BULT, JEFFREY RUSSELL, US  
 [72] CASTILLO-EFFEN, MAURICIO, US  
 [72] BORGYOS, SZABOLCS ANDRAS, US  
 [72] KOSZALKA, STEPHEN, US  
 [71] GENERAL ELECTRIC COMPANY, US  
 [22] 2017-06-22  
 [41] 2017-12-29  
 [30] US (15/196,741) 2016-06-29

[21] **2,971,479**  
[13] A1

[51] **Int.Cl. B62D 33/023 (2006.01) B62D 43/00 (2006.01) B62D 43/02 (2006.01)**  
 [25] EN  
 [54] **TAILGATE REINFORCEMENT**  
 [54] **RENFORT DE HAYON**  
 [72] SMITH, ANTHONY NICHOLAS, US  
 [71] LUND MOTION PRODUCTS, INC., US  
 [22] 2017-06-20  
 [41] 2017-12-24  
 [30] US (62/354,590) 2016-06-24  
 [30] US (15/619,227) 2017-06-09

[21] **2,971,483**  
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 40/04 (2012.01)**  
 [25] EN  
 [54] **INFORMATIONAL INCENTIVES FOR SUBMITTING MAKER ORDERS**  
 [54] **INCITATIFS INFORMATIONNELS DESTINES A LA TRANSMISSION DE COMMANDES DE FABRICANT**  
 [72] MELTON, HAYDEN PAUL, US  
 [71] THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY, CH  
 [22] 2017-06-21  
 [41] 2017-12-24  
 [30] US (62/354,154) 2016-06-24

[21] **2,971,504**  
[13] A1

[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/16 (2006.01) E21B 43/12 (2006.01)**  
 [25] EN  
 [54] **SIGNAL-RESPONSIVE FRAC BALL AND HYDRAULIC FRACTURING SYSTEM**  
 [54] **BILLE DE FACTURATION REPENDANT A UN SIGNAL ET SYSTEME DE FRACTURATION HYDRAULIQUE**  
 [72] RAVENSBERGEN, JOHN EDWARD, CA  
 [72] LAUN, LYLE, CA  
 [72] STROMQUIST, MARTY, CA  
 [72] JOHNSON, TIM, CA  
 [71] NCS MULTISTAGE INC., CA  
 [22] 2017-06-21  
 [41] 2017-12-29  
 [30] US (62/356,187) 2016-06-29

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[21] **2,971,586**  
[13] A1

[51] **Int.Cl. G08B 13/196 (2006.01) H04N 13/332 (2018.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR IMMERSIVE AND COLLABORATIVE VIDEO SURVEILLANCE**  
[54] **SYSTEMES ET METHODES DE SURVEILLANCE VIDEO IMMERSIVE ET COLLABORATIVE**  
[72] VADAMALAYAN, MUTHURAMJI, US  
[72] SUBBIAN, DEEPAKUMAR, US  
[72] PERIYASAMY, KATHIRESAN, US  
[71] HONEYWELL INTERNATIONAL INC., US  
[22] 2017-06-21  
[41] 2017-12-30  
[30] US (15/198,377) 2016-06-30

[21] **2,971,622**  
[13] A1

[51] **Int.Cl. B07C 5/342 (2006.01) G01N 15/10 (2006.01)**  
[25] EN  
[54] **SCRAP SORTING SYSTEM**  
[54] **SYSTEME DE TRI DE REBUTS**  
[72] TOREK, PAUL, US  
[72] AUBUCHON, BENJAMIN, US  
[72] CHAGANTI, KALYANI, US  
[71] HURON VALLEY STEEL CORPORATION, US  
[22] 2017-06-21  
[41] 2017-12-30  
[30] US (15/198,159) 2016-06-30

[21] **2,971,624**  
[13] A1

[51] **Int.Cl. G02C 7/02 (2006.01) G02B 3/12 (2006.01) G02C 7/04 (2006.01) G02C 7/08 (2006.01)**  
[25] EN  
[54] **METHODS FOR FORMING VARIABLE OPTIC OPHTHALMIC DEVICES INCLUDING SHAPED LIQUID CRYSTAL ELEMENTS**  
[54] **METHODES DE FORMATION DE DISPOSITIFS OPHTALMIQUES A OPTIQUE VARIABLE INCLUANT DES ELEMENTS DE CRISTAUX LIQUIDES FORMES**  
[72] PUGH, RANDALL B., US  
[72] FLITSCH, FREDERICK A., US  
[71] JOHNSON & JOHNSON VISION CARE, INC., US  
[22] 2017-06-22  
[41] 2017-12-30  
[30] US (15/198,387) 2016-06-30

[21] **2,971,649**  
[13] A1

[51] **Int.Cl. E05B 19/00 (2006.01)**  
[25] EN  
[54] **KEY COVER**  
[54] **COUVRE-CLE**  
[72] BORENSTEIN, DAVID F., CA  
[71] BORENSTEIN, DAVID F., CA  
[22] 2017-06-23  
[41] 2017-12-24  
[30] US (62/493,143) 2016-06-24

[21] **2,971,696**  
[13] A1

[51] **Int.Cl. E01B 1/00 (2006.01) E01D 19/08 (2006.01)**  
[25] EN  
[54] **BALLAST MATS AND METHODS OF FORMING THE SAME**  
[54] **MATS DE BALLAST ET METHODE DE FORMAGE ASSOCIEE**  
[72] HAYDU, JOSEPH, US  
[71] VERSAFLEX, INC., US  
[22] 2017-06-23  
[41] 2017-12-24  
[30] US (62/354,633) 2016-06-24

[21] **2,971,715**  
[13] A1

[51] **Int.Cl. B65F 1/00 (2006.01) B29B 17/00 (2006.01) B65D 90/54 (2006.01)**  
[25] EN  
[54] **AUTOMATED REPOSITORY FOR RECYCLABLE CONTAINERS AND METHOD OF OPERATION THEREOF**  
[54] **DEPOT AUTOMATISE DE CONTENANTS RECYCLABLES ET METHODE D'EXPLOITATION ASSOCIEE**  
[72] WADDEN, MICHAEL, CA  
[72] DROVER, JONATHAN, CA  
[72] BHAT, VINAYAK, CA  
[71] EVER GREEN ENVIRONMENTAL CORPORATION, CA  
[71] YELLOW ENVIRONMENTAL INC., CA  
[22] 2017-06-23  
[41] 2017-12-24  
[30] US (62/354,334) 2016-06-24

[21] **2,971,780**  
[13] A1

[51] **Int.Cl. B60J 3/00 (2006.01)**  
[25] EN  
[54] **SUNSHADE FOR A VEHICLE**  
[54] **PARE-SOLEIL DESTINE A UN VEHICULE**  
[72] HOLROYD, JAMES A., US  
[72] BRACY, GARTH H., US  
[72] RITZ, DANIEL G., US  
[72] BALTES, ALEX M., US  
[71] POLARIS INDUSTRIES INC., US  
[22] 2017-06-23  
[41] 2017-12-29  
[30] US (15/197372) 2016-06-29

[21] **2,971,781**  
[13] A1

[51] **Int.Cl. H05B 6/12 (2006.01) H05B 6/06 (2006.01)**  
[25] EN  
[54] **CLAMSHELL INDUCTION COOKING SYSTEM**  
[54] **SYSTEME DE CUISSON A INDUCTION A COQUILLE**  
[72] METZ, REINHARD, US  
[72] POOL, JAMES K., US  
[72] GRABER, WARREN S., US  
[71] COOKTEK INDUCTION SYSTEMS, LLC, US  
[22] 2017-06-27  
[41] 2017-12-28  
[30] US (62/355,736) 2016-06-28

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[21] **2,971,789**  
[13] A1

[51] **Int.Cl. B64D 43/02 (2006.01) B64D 45/04 (2006.01)**  
 [25] FR  
 [54] **IMPROVEMENT IN THE DETECTION AND SIGNALLING OF THE APPROACH IN THE VORTEX FIELD BY A ROTORCRAFT**  
 [54] **AMELIORATION DE LA DETECTION ET DE SIGNALISATION DE L'APPROCHE DU DOMAINE DE VORTEX PAR UN GIRAVION**  
 [72] CERTAIN, NICOLAS, FR  
 [72] PIGNIER, LIONEL, FR  
 [71] AIRBUS HELICOPTERS, FR  
 [22] 2017-06-22  
 [41] 2017-12-28  
 [30] FR (1601020) 2016-06-28

[21] **2,971,812**  
[13] A1

[51] **Int.Cl. B32B 7/02 (2006.01) B42D 25/369 (2014.01) B42D 25/373 (2014.01) B42D 25/45 (2014.01) B32B 15/00 (2006.01) H01G 4/06 (2006.01) C09D 11/50 (2014.01)**  
 [25] EN  
 [54] **HIGH CHROMATICITY PIGMENT FLAKES AND FOILS**  
 [54] **FLOCONS ET FEUILLES PIGMENTAIRES A CHROMATICITE ELEVEE**  
 [72] SEYDEL, JOHANNES, US  
 [72] THOMAS, PAUL, US  
 [72] TEVIS, MARK, US  
 [72] KUNA, JEFFREY JAMES, US  
 [71] VIAVI SOLUTIONS INC., US  
 [22] 2017-06-27  
 [41] 2017-12-27  
 [30] US (15/194,298) 2016-06-27

[21] **2,971,816**  
[13] A1

[51] **Int.Cl. A61M 27/00 (2006.01) A61M 39/22 (2006.01)**  
 [25] EN  
 [54] **MAGNETO-RESISTIVE SENSOR TOOL SET FOR HYDROCEPHALUS VALVE**  
 [54] **ENSEMBLE D'OUTIL DE CAPTEUR MAGNETO-RESISTANT DESTINE A UNE VANNE D'HYDROCEPHALIE**  
 [72] PFEIDERER, MARTIN, CH  
 [72] BORK, TORALF, CH  
 [71] DEPUY SYNTHES PRODUCTS, INC., US  
 [22] 2017-06-27  
 [41] 2017-12-30  
 [30] US (62/356,775) 2016-06-30  
 [30] US (15/443,521) 2017-02-27

[21] **2,971,803**  
[13] A1

[51] **Int.Cl. E21B 49/00 (2006.01) G01N 3/40 (2006.01) G01V 9/00 (2006.01)**  
 [25] EN  
 [54] **A SYSTEM FOR DETERMINING FORMATION STRESSES USING DRILL CUTTINGS**  
 [54] **UN SYSTEME PERMETTANT DE DETERMINER LES CONTRAINTES DE FORMATION AU MOYEN DE RESIDUS DE FORAGE**  
 [72] GLOVER, KENNETH, CA  
 [72] BOZARTH, TROY, CA  
 [72] CUI, ALBERT, CA  
 [71] TRICAN WELL SERVICE, LTD., CA  
 [22] 2017-06-27  
 [41] 2017-12-27  
 [30] US (62/354,835) 2016-06-27

[21] **2,971,813**  
[13] A1

[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)**  
 [25] EN  
 [54] **FOLDABLE TONNEAU COVER WITH AN EXTRUDED FORWARD SECTION**  
 [54] **COUVRE-TONNEAU PLIANT DOTE D'UNE SECTION AVANT EXTRUDEE**  
 [72] QUINTUS, JAMES, US  
 [72] JOSLYN, ROBERT, US  
 [72] HUTCHENS, JASON, US  
 [71] UNDERCOVER, INC., US  
 [22] 2017-06-23  
 [41] 2017-12-28  
 [30] US (15/194,790) 2016-06-28

[21] **2,971,817**  
[13] A1

[51] **Int.Cl. G01B 11/06 (2006.01)**  
 [25] EN  
 [54] **SYSTEMS AND METHODS OF USING ABSORPTIVE IMAGING METROLOGY TO MEASURE THE THICKNESS OF OPHTHALMIC LENSES**  
 [54] **SYSTEMES ET METHODES D'UTILISATION DE METROLOGIE D'IMAGERIE ABSORPTIVE EN VUE DE MESURER L'EPAISSEUR DES LENTILLES OPHTALMIQUES**  
 [72] WIDMAN, MICHAEL, US  
 [72] SITES, PETER W., US  
 [72] LAFERRIERE, JASMIN G., US  
 [72] DEWALD, D. SCOTT, US  
 [72] WALKER, BRADLEY W., US  
 [71] JOHNSON & JOHNSON VISION CARE, INC., US  
 [22] 2017-06-27  
 [41] 2017-12-28  
 [30] US (62/355,753) 2016-06-28

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[21] **2,971,819**  
[13] A1

[51] **Int.Cl. F04B 51/00 (2006.01) F04B 49/02 (2006.01) F04D 13/08 (2006.01) F04D 15/00 (2006.01)**

[25] EN

[54] **SELF-TEST METHODS AND SYSTEMS FOR SUBMERSIBLE PUMP SYSTEMS**

[54] **METHODES ET SYSTEMES DE TESTS AUTONOMES DESTINES A DES SYSTEMES DE POMPE SUBMERSIBLE**

[72] GRZEIKA, MARK, US

[71] STANCOR, L.P., US

[22] 2017-06-27

[41] 2017-12-28

[30] US (62/355,485) 2016-06-28

[30] US (15/629,960) 2017-06-22

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[21] **2,971,820**  
[13] A1

[51] **Int.Cl. G02B 17/00 (2006.01)**

[25] EN

[54] **OPTICAL DEVICES**

[54] **APPAREILS OPTIQUES**

[72] SEYDEL, JOHANNES, US

[72] TEVIS, MARK, US

[72] LIANG, KANGNING, US

[72] ZIEBA, JERRY, US

[71] VIAVI SOLUTIONS INC., US

[22] 2017-06-27

[41] 2017-12-27

[30] US (62/355,131) 2016-06-27

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[21] **2,971,821**  
[13] A1

[51] **Int.Cl. B32B 7/02 (2006.01) B42D 25/369 (2014.01) B42D 25/373 (2014.01) B42D 25/378 (2014.01) B42D 25/45 (2014.01) B44F 1/02 (2006.01) G02B 27/00 (2006.01) C09D 11/50 (2014.01)**

[25] EN

[54] **MAGNETIC ARTICLES**

[54] **ARTICLES MAGNETIQUES**

[72] SEYDEL, JOHANNES, US

[72] TEVIS, MARK, US

[72] LIANG, KANGNING, US

[72] KUNA, JEFFREY JAMES, US

[72] ZIEBA, JERRY, US

[71] VIAVI SOLUTIONS INC., US

[22] 2017-06-27

[41] 2017-12-27

[30] US (62/355,188) 2016-06-27

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[21] **2,971,822**  
[13] A1

[51] **Int.Cl. B32B 7/02 (2006.01) B42D 25/378 (2014.01) B42D 25/45 (2014.01) G02B 27/00 (2006.01) C09D 11/50 (2014.01)**

[25] EN

[54] **HIGH CHROMA FLAKES**

[54] **FLOCONS A CHROMIE ELEVEE**

[72] SEYDEL, JOHANNES, US

[72] TEVIS, MARK, US

[72] LIANG, KANGNING, US

[72] KUNA, JEFFREY JAMES, US

[72] ZIEBA, JERRY, US

[71] VIAVI SOLUTIONS INC., US

[22] 2017-06-27

[41] 2017-12-27

[30] US (62/355,147) 2016-06-27

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[21] **2,971,893**  
[13] A1

[51] **Int.Cl. G02B 6/26 (2006.01) G02B 6/125 (2006.01) G02F 1/365 (2006.01) G06N 99/00 (2010.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DISPERSION-ENABLED QUANTUM STATE CONTROL OF PHOTONS**

[54] **SYSTEME ET METHODE DE CONTROLE D'ETAT QUANTIQUE DE PHOTONS ACTIVE PAR DISPERSION**

[72] MARCHILDON, RYAN PHILLIP, CA

[72] HELMY, AMR SAHER, CA

[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[22] 2017-06-27

[41] 2017-12-27

[30] US (62/354,906) 2016-06-27

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[21] **2,971,914**  
[13] A1

[51] **Int.Cl. B07B 1/14 (2006.01)**

[25] EN

[54] **DISC FOR A SEPARATING CONVEYOR SCREEN AND SEPARATING CONVEYOR SCREEN INCLUDING SUCH A DISC**

[54] **DISQUE DESTINE A UN ECRAN DE COURROIE DE TRANSPORT DE SEPARATION ET ECRAN DE COURROIE DE TRANSPORT DE SEPARATION COMPORTANT UN TEL DISQUE**

[72] KLAASSEN, GERRIT JOHAN, NL

[71] BOLLEGRAAF PATENTS AND BRANDS B.V., NL

[22] 2017-06-27

[41] 2017-12-27

[30] EP (16176374.3) 2016-06-27

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[21] **2,971,915**  
[13] A1

[51] **Int.Cl. A62B 33/00 (2006.01) A63B 29/02 (2006.01)**

[25] EN

[54] **DEPLOYMENT UNIT FOR AN AVALANCHE RESCUE SYSTEM, USE OF AN ACTUATING HANDLE AND DEPLOYMENT DEVICE**

[54] **MODULE DE DEPLOIEMENT DESTINE A UN SYSTEME DE SAUVETAGE EN CAS D'AVALANCHE, UTILISATION D'UNE POIGNEE D'ACTIVATION ET APPAREIL DE DEPLOIEMENT**

[72] WERZ, MATTHIAS, DE

[72] ZIMMERMANN, PATRICK, DE

[71] WERZ, MATTHIAS, DE

[22] 2017-06-27

[41] 2017-12-28

[30] DE (10 2016 111 848.6) 2016-06-28

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[21] **2,971,917**  
[13] A1

[51] **Int.Cl. F21V 21/02 (2006.01) F16M 13/02 (2006.01) F21K 9/00 (2016.01)**

[25] EN

[54] **LIGHTING FIXTURE MOUNTING SYSTEMS**

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

[72] HALLIWELL, BRIAN, US

[71] FEIT ELECTRIC COMPANY, INC., US

[22] 2017-06-28

[41] 2017-12-29

[30] US (15/196,683) 2016-06-29

**Demandes canadiennes mises à la disponibilité du public**  
**24 décembre 2017 au 30 décembre 2017**

[21] **2,971,924**  
 [13] A1

[51] **Int.Cl. F24H 3/00 (2006.01)**  
 [25] EN  
 [54] **HIGH PRESSURE HOT AIR HEATER**  
 [54] **APPAREIL DE CHAUFFAGE A AIR CHAUD HAUTE PRESSION**  
 [72] FORD, DARRELL, CA  
 [71] FORD, DARRELL, CA  
 [22] 2017-06-28  
 [41] 2017-12-28  
 [30] US (62355763) 2016-06-28

[21] **2,971,925**  
 [13] A1

[51] **Int.Cl. B66F 9/14 (2006.01) B66C 23/36 (2006.01)**  
 [25] EN  
 [54] **LOAD MANIPULATOR**  
 [54] **MANIPULATEUR DE CHARGEMENT**  
 [72] TYGARD, EDWARD, US  
 [71] TYGARD MACHINE & MANUFACTURING COMPANY, US  
 [22] 2017-06-27  
 [41] 2017-12-27  
 [30] US (62/355,201) 2016-06-27

[21] **2,971,926**  
 [13] A1

[51] **Int.Cl. E21B 17/02 (2006.01) E21B 17/05 (2006.01)**  
 [25] EN  
 [54] **UNIVERSAL JOINT**  
 [54] **JOINT UNIVERSEL**  
 [72] DEEN, CARL ARON, US  
 [72] MCMILLAN, JUSTIN S., US  
 [71] ULTERRA DRILLING TECHNOLOGIES, L.P., US  
 [22] 2017-06-28  
 [41] 2017-12-28  
 [30] US (62/355,589) 2016-06-28

[21] **2,971,930**  
 [13] A1

[51] **Int.Cl. B65D 85/804 (2006.01)**  
 [25] EN  
 [54] **BEVERAGE-BREWING PACKAGE**  
 [54] **ENSEMBLE DE BRASSAGE DE BOISSON**  
 [72] CONANT, DAVID W., US  
 [72] WILSON, DEBRA R., US  
 [72] PENG, YUCHENG, US  
 [71] BERRY PLASTICS CORPORATION, US  
 [22] 2017-06-27  
 [41] 2017-12-28  
 [30] US (62/355,366) 2016-06-28  
 [30] US (62/379,995) 2016-08-26

[21] **2,971,936**  
 [13] A1

[51] **Int.Cl. E05B 81/04 (2014.01) E05B 81/08 (2014.01) E05B 81/56 (2014.01)**  
 [25] EN  
 [54] **TAILGATE LOCK ASSEMBLY**  
 [54] **MECANISME DE VERROU DE HAYON**  
 [72] DA DEPPO, LYNN D., US  
 [72] KAMAL, EHAB, US  
 [72] ROOT, JEFFERY T., US  
 [71] HUF NORTH AMERICA AUTOMOTIVE PARTS MANUFACTURING CORP., US  
 [22] 2017-06-23  
 [41] 2017-12-28  
 [30] US (15/194,806) 2016-06-28

[21] **2,971,957**  
 [13] A1

[51] **Int.Cl. B63B 35/71 (2006.01) B63H 5/125 (2006.01) B63H 5/20 (2006.01) B63H 16/20 (2006.01)**  
 [25] EN  
 [54] **PROPULSION SYSTEM FOR A WATERCRAFT**  
 [54] **SYSTEME DE PROPULSION DESTINE A UNE EMBARCATION**  
 [72] NUTZ, HANS ERIC, US  
 [72] WARD, LEE PATRICK, US  
 [72] KARCHER, BRIAN, US  
 [72] MONTARULI, MATTHEW, US  
 [72] RONDEAU, LOUIS, US  
 [71] CONFLUENCE OUTDOOR, LLC, US  
 [22] 2017-06-27  
 [41] 2017-12-30  
 [30] US (15/198,903) 2016-06-30

[21] **2,971,959**  
 [13] A1

[51] **Int.Cl. C10L 3/10 (2006.01)**  
 [25] FR  
 [54] **VAPOREFORMING PROCESS FOR NATURAL GAS FEATURING TWO COMBUSTION CHAMBERS GENERATING HOT SMOKE PROVIDING THE CALORIES NECESSARY FOR THE PROCESS AND CONNECTED IN SERIES OR IN PARALLEL**  
 [54] **PROCEDE DE VAPOREFORMAGE DE GAZ NATUREL PRESENTANT DEUX CHAMBRES DE COMBUSTION GENERANT LES FUMEEES CHAUDES APPORTANT LES CALORIES NECESSAIRES AU PROCEDE ET CONNECTEES EN SERIE OU EN PARALLELE**  
 [72] GUILLOU, FLORENT, FR  
 [72] SURLA, KARINE, FR  
 [72] FISCHER, BEATRICE, FR  
 [72] AMBROSINO, JEAN-LOUIS, FR  
 [71] IFP ENERGIES NOUVELLES, FR  
 [22] 2017-06-23  
 [41] 2017-12-28  
 [30] FR (16 56 017) 2016-06-28

[21] **2,971,967**  
 [13] A1

[51] **Int.Cl. B61D 49/00 (2006.01) B60G 17/017 (2006.01) B61D 1/00 (2006.01) B61F 5/50 (2006.01)**  
 [25] FR  
 [54] **CONTROL PROCESS FOR THE HEIGHT OF A TRANSPORT VEHICLE AND ASSOCIATED TRANSPORT VEHICLE**  
 [54] **PROCEDE DE COMMANDE DE LA HAUTEUR D'UN VEHICULE DE TRANSPORT ET VEHICULE DE TRANSPORT ASSOCIE**  
 [72] DAUSOA, SACHEEN, FR  
 [71] ALSTOM TRANSPORT TECHNOLOGIES, FR  
 [22] 2017-06-27  
 [41] 2017-12-29  
 [30] FR (16 56120) 2016-06-29

**Canadian Applications Open to Public Inspection**  
**December 24, 2017 to December 30, 2017**

[21] **2,971,976**  
 [13] A1

[51] **Int.Cl. A61L 2/00 (2006.01) A61B 90/70 (2016.01) A61L 2/14 (2006.01) A61L 2/16 (2006.01) A61B 1/00 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR STERILIZING ENDOSCOPE**

[54] **APPAREIL ET METHODE DE STERILISATION D'ENDOSCOPE**

[72] NOWRUZI, KEYVAN, US

[72] OMIDBAKHSI, NAVID, US

[71] ETHICON, INC., US

[22] 2017-06-27

[41] 2017-12-30

[30] US (15/198.670) 2016-06-30

[21] **2,971,989**  
 [13] A1

[51] **Int.Cl. E06B 9/322 (2006.01) E06B 9/42 (2006.01)**

[25] EN

[54] **DAMPER FOR A COVERING FOR AN ARCHITECTURAL OPENING**

[54] **REGISTRE DESTINE A COUVRIR UNE OUVERTURE ARCHITECTURALE**

[72] DOWNEY, JOSEPH M., US

[71] HUNTER DOUGLAS INC., US

[22] 2017-06-28

[41] 2017-12-29

[30] US (15/197,545) 2016-06-29

[21] **2,972,042**  
 [13] A1

[51] **Int.Cl. E01H 1/08 (2006.01)**

[25] EN

[54] **WEARABLE BLOWER AND ASSEMBLY**

[54] **APPAREIL DE SOUFFLERIE PORTABLE ET ENSEMBLE**

[72] YAMAOKA, TOSHINARI, CN

[72] SHAO, XIANDIAN, CN

[71] CHERVON (HK) LIMITED, HK

[22] 2017-06-28

[41] 2017-12-30

[30] CN (201610506894.0) 2016-06-30

[30] CN (201610510524.4) 2016-06-30

[30] CN (201610508700.0) 2016-06-30

[30] US (15/629,934) 2017-06-22

[21] **2,971,977**  
 [13] A1

[51] **Int.Cl. A61M 27/00 (2006.01) A61B 5/06 (2006.01) A61F 2/00 (2006.01) A61F 2/02 (2006.01) F16K 31/06 (2006.01)**

[25] EN

[54] **DEVICE TO CONTROL MAGNETIC ROTOR OF A PROGRAMMABLE HYDROCEPHALUS VALVE**

[54] **DISPOSITIF DE CONTROLE DE ROTOR MAGNETIQUE D'UNE VALVE D'HYDROCEPHALIE PROGRAMMABLE**

[72] PFLEIDERER, MARTIN, CH

[72] BORK, TORALF, CH

[71] DEPUY SYNTHES PRODUCTS, INC., US

[22] 2017-06-27

[41] 2017-12-30

[30] US (15/198,757) 2016-06-30

[21] **2,972,000**  
 [13] A1

[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/00 (2006.01)**

[25] EN

[54] **BARRIER ISOLATOR**

[54] **ISOLATEUR BARRIERE**

[72] YAMAMOTO, KANJUN, JP

[71] SHIBUYA CORPORATION, JP

[22] 2017-06-28

[41] 2017-12-30

[30] JP (2016-130852) 2016-06-30

[21] **2,972,046**  
 [13] A1

[51] **Int.Cl. B65F 1/00 (2006.01)**

[25] EN

[54] **BIN HOLDER CARCASS AND DRAWER, IN PARTICULAR FOR SEPARATE WASTE COLLECTION**

[54] **STRUCTURE DE SUPPORT DE BAC ET TIROIR, NOTAMMENT EN VUE DE SEPARER LA COLLECTE DE DECHETS**

[72] GOLLINUCCI, GIACOMO, IT

[71] GOLLINUCCI, GIACOMO, IT

[22] 2017-06-29

[41] 2017-12-30

[30] IT (202016000068192) 2016-06-30

[21] **2,971,987**  
 [13] A1

[51] **Int.Cl. F24F 13/10 (2006.01) F16K 17/06 (2006.01) F23L 13/02 (2006.01)**

[25] EN

[54] **DAMPER REGULATOR WITH ADJUSTABLE RESISTANCE TO DAMPER MOTION**

[54] **REGULATEUR DE REGISTRE A RESISTANCE AJUSTABLE AU MOUVEMENT DU REGISTRE**

[72] DAVIS, PETER J., US

[72] ANOSZKO, THOMAS J., US

[71] RESEARCH PRODUCTS CORPORATION, US

[22] 2017-06-28

[41] 2017-12-29

[30] US (62/356,117) 2016-06-29

[21] **2,972,007**  
 [13] A1

[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/09 (2012.01) E21B 47/14 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR DETECTION OF ACTUATOR LAUNCH IN WELLBORE OPERATIONS**

[54] **SYSTEME ET METHODE DE DETECTION D'UN LANCEMENT D'ACTIONNEUR DANS LES OPERATIONS DE TROU DE FORAGE**

[72] CHEREWYK, BORIS (BRUCE) P., CA

[71] ISOLATION EQUIPMENT SERVICES INC., CA

[22] 2017-06-29

[41] 2017-12-29

[30] US (62/356,407) 2016-06-29

[21] **2,972,052**  
 [13] A1

[51] **Int.Cl. G01N 21/77 (2006.01) B82Y 5/00 (2011.01) B82Y 15/00 (2011.01) G06N 3/02 (2006.01)**

[25] EN

[54] **SYSTEM, METHOD, AND MODULE FOR BIOMARKER DETECTION**

[54] **SYSTEME, METHODE ET MODULE DE DETECTION DE BIOMARQUEUR**

[72] TRENHOLM, WALLACE, CA

[72] MAVINKURVE, MAITHILI, CA

[72] CASSIDY, JASON, CA

[71] SIGHTLINE INNOVATION INC., CA

[22] 2017-06-29

[41] 2017-12-30

[30] US (62/356,697) 2016-06-30

**Demandes canadiennes mises à la disponibilité du public**  
**24 décembre 2017 au 30 décembre 2017**

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[21] **2,972,056**  
[13] A1

[51] **Int.Cl. A63H 3/04 (2006.01) A63H 3/02 (2006.01) A63H 3/50 (2006.01)**  
[25] EN  
[54] **SHAPE CHANGING TOY APPARATUS**  
[54] **APPAREIL JOUET A CHANGEMENT DE FORME**  
[72] GUEBENLIAN, OHANNES, CA  
[71] 7726503 CANADA INC., CA  
[22] 2017-06-29  
[41] 2017-12-30  
[30] US (62/356,667) 2016-06-30

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[21] **2,972,059**  
[13] A1

[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/04 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR RECOVERING BITUMEN FROM SUBTERRANEAN FORMATIONS**  
[54] **SYSTEMES ET METHODES DE RECUPERATION DU BITUME A PARTIR DE FORMATIONS SOUTERRAINES**  
[72] HACL, MARC, US  
[71] MUST HOLDING LLC, US  
[22] 2017-06-29  
[41] 2017-12-30  
[30] US (15/199,974) 2016-06-30

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[21] **2,972,069**  
[13] A1

[51] **Int.Cl. A47G 9/02 (2006.01)**  
[25] EN  
[54] **PILLOWCASE WITH LAYERED TOP SHEETS**  
[54] **TAIE D'OREILLER A DRAPS DE DESSUS ETAGES**  
[72] KAUR, KUSHBIR, CA  
[71] KLEANCASE CORP., CA  
[22] 2017-06-28  
[41] 2017-12-29  
[30] US (62/355,970) 2016-06-29

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[21] **2,972,074**  
[13] A1

[51] **Int.Cl. F24F 13/02 (2006.01) E21F 1/04 (2006.01) F16L 9/12 (2006.01) F16L 55/10 (2006.01) F16L 57/04 (2006.01)**  
[25] EN  
[54] **VENTILATION DUCT**  
[54] **CONDUIT DE VENTILATION**  
[72] DURKIN, STEVEN PETER, AU  
[71] HIRAM (WA) PTY LTD, AU  
[22] 2017-06-28  
[41] 2017-12-30  
[30] AU (2016902578) 2016-06-30

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[21] **2,972,084**  
[13] A1

[51] **Int.Cl. F03D 7/04 (2006.01) F03D 7/00 (2006.01) G05B 17/02 (2006.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR FEEDFORWARD CONTROL OF WIND TURBINES**  
[54] **METHODES ET SYSTEMES DE CONTROLE D'ALIMENTATION AVANCEE D'EOLIENNES**  
[72] DESHPANDE, AMEET SHRIDHAR, US  
[72] AGARWAL, PRANAV, US  
[72] SHANE, CONNER BROOKS, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2017-06-29  
[41] 2017-12-30  
[30] US (15/198,370) 2016-06-30

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[21] **2,972,087**  
[13] A1

[51] **Int.Cl. E01B 29/32 (2006.01) E01B 27/00 (2006.01) E01B 31/00 (2006.01) E01B 35/00 (2006.01)**  
[25] FR  
[54] **RAIL WORK VEHICLES, WORK TRAINS INCLUDING SUCH A WORK VEHICLE AND FABRICATION PROCESS OF A RAILWAY**  
[54] **VEHICULE DE TRAVAUX FERROVIAIRES, TRAIN DE TRAVAUX COMPRENANT UN TEL VEHICULE DE TRAVAUX ET PROCEDE DE FABRICATION D'UNE VOIE FERROVIAIRE**  
[72] COLLIGNON, FABRICE, FR  
[72] RADA, NICOLAS, FR  
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR  
[22] 2017-06-28  
[41] 2017-12-29  
[30] FR (16 56 075) 2016-06-29

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[21] **2,972,100**  
[13] A1

[51] **Int.Cl. B65D 8/04 (2006.01)**  
[25] EN  
[54] **CORRUGATED CONTAINER WITH BULGE CONTROL**  
[54] **CONTENANT ONDULE A CONTROLE DE BOMBAGE**  
[72] JACKSON, KEITH A., US  
[72] PHILIPS, NICHOLAS A., US  
[72] FRANK, BENJAMIN, US  
[71] PACKAGING CORPORATION OF AMERICA, US  
[22] 2017-06-28  
[41] 2017-12-29  
[30] US (62/356,444) 2016-06-29

**Canadian Applications Open to Public Inspection**  
**December 24, 2017 to December 30, 2017**

[21] **2,972,107**  
 [13] A1

[51] **Int.Cl. C07C 231/02 (2006.01)**  
 [25] EN  
 [54] **PREPARATION OF N,N-(DI)ALKYLAMINOALKYL(METH) ACRYLAMIDE OR N,N-(DI)ALKYLAMINOALKYL(METH) ACRYLATE AND THE QUATERNARY AMMONIUM SALTS THEREOF AS FLOCCULATING AIDS AND GELLING AGENTS**

[54] **PREPARATION DE N,N-(DI)ALKYLAMINOALKYL(METH) ACRYLAMIDE OU N,N-(DI)ALKYLAMINOALKYL(METH) ACRYLATE ET DES SELS D'AMMONIUM QUATERNAIRES ASSOCIES COMME AIDES A LA FLOCCULATION ET AGENTS GELIFIANTS**

[72] KRILL, STEFFEN, DE  
 [72] HARTMANN, PATRIK, DE  
 [71] EVONIK ROHM GMBH, DE  
 [22] 2017-06-27  
 [41] 2017-12-28  
 [30] EP (16 176 555) 2016-06-28

[21] **2,972,108**  
 [13] A1

[51] **Int.Cl. G01B 7/31 (2006.01) B64C 13/24 (2006.01) B64D 47/00 (2006.01)**

[25] EN  
 [54] **SLAT DISCONNECT SENSOR**  
 [54] **DÉTECTEUR DE DECONNEXION DE LATTE**

[72] CARBONE, MICHAEL, US  
 [72] BIELEFELDT, JOSEPH M., US  
 [71] HAMILTON SUNDRAND CORPORATION, US  
 [22] 2017-06-27  
 [41] 2017-12-28  
 [30] US (15/195,550) 2016-06-28

[21] **2,972,156**  
 [13] A1

[51] **Int.Cl. C07C 215/64 (2006.01) A61K 31/137 (2006.01) A61K 31/192 (2006.01) C07C 65/03 (2006.01) C07C 213/10 (2006.01)**

[25] EN  
 [54] **NEW SOLID FORMS OF DESVENLAFAXINE**  
 [54] **NOUVELLES FORMES SOLIDES DE DESVENLAFAXINE**

[72] DOMINGUEZ CHAVEZ, JORGE GUILLERMO, MX  
 [72] MONDRAGON VASQUEZ, KARINA, MX  
 [72] MORALES ROJAS, HUGO, MX  
 [72] HERRERA RUIZ, DEA, MX  
 [72] HOEPFL, HERBERT, MX  
 [72] REYES MARTINEZ, REYNA, MX  
 [72] HERNANDEZ ILLESCAS, JAVIER, MX  
 [72] SENOSIAIN PELAEZ, JUAN PABLO, MX  
 [71] ALPARIS, S.A. DE C.V., MX  
 [22] 2017-06-28  
 [41] 2017-12-29  
 [30] MX (MX/A/2016/008646) 2016-06-29

[21] **2,972,184**  
 [13] A1

[51] **Int.Cl. A62B 35/00 (2006.01)**

[25] EN  
 [54] **HAND-LINE HOOK**  
 [54] **CROCHET DE CABLE-GUIDE**

[72] CANFIELD, DEFOREST, US  
 [71] BUCKINGHAM MANUFACTURING CO., INC., US  
 [22] 2017-06-29  
 [41] 2017-12-29  
 [30] US (62/356,142) 2016-06-29

[21] **2,972,217**  
 [13] A1

[51] **Int.Cl. A47J 43/08 (2006.01) H02J 50/10 (2016.01) A47J 43/042 (2006.01) A47J 43/27 (2006.01)**

[25] EN  
 [54] **DRINK MIXING DEVICE**  
 [54] **APPAREIL DE MELANGE DE BOISSON**

[72] ALMARAZ, VICTOR ANTHONY, II, US  
 [72] VILLAREAL, ALEX, US  
 [71] ALMARAZ, VICTOR ANTHONY, II, US  
 [22] 2017-06-29  
 [41] 2017-12-29  
 [30] US (62/356,025) 2016-06-29  
 [30] US (15/635,339) 2017-06-28

[21] **2,972,220**  
 [13] A1

[51] **Int.Cl. A62D 3/30 (2007.01) B09B 3/00 (2006.01) C09K 3/00 (2006.01)**

[25] EN  
 [54] **DISPOSAL OF MEDICAMENTS**  
 [54] **ELIMINATION DE MEDICAMENTS**

[72] SCHESTOPOL, MARCUS, US  
 [72] TREACY, DONALD, US  
 [72] RUDNIC, EDWARD M., US  
 [72] BURNSIDE, BETH A., US  
 [72] HOLADAY, JOHN W., US  
 [71] DISPOSERX, INC., US  
 [22] 2017-06-29  
 [41] 2017-12-29  
 [30] US (62/356,361) 2016-06-29

[21] **2,972,235**  
 [13] A1

[51] **Int.Cl. G06K 7/01 (2006.01) G06K 7/10 (2006.01) H01Q 7/00 (2006.01) H01Q 17/00 (2006.01)**

[25] EN  
 [54] **A METHOD AND SYSTEM FOR MITIGATING METALLIC VIBRATION OR SHAKING EFFECTS IN PROXIMITY OF A RFID READER**

[54] **UNE METHODE ET UN SYSTEME D'ATTENUATION DE VIBRATION METALLIQUE OU D'EFFETS DE SECOURS A PROXIMITE D'UN LECTEUR RFID**

[72] CHOKRI, JEBALI, CA  
 [72] KOUK, AMMAR, CA  
 [71] ECOLE DE TECHNOLOGIE SUPERIEURE, CA  
 [22] 2017-06-30  
 [41] 2017-12-30  
 [30] US (62/356,599) 2016-06-30

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**24 décembre 2017 au 30 décembre 2017**

[21] **2,972,248**  
 [13] A1

[51] **Int.Cl. A61K 47/18 (2017.01) A61K 9/12 (2006.01) A61K 31/155 (2006.01) A61K 31/191 (2006.01) A61P 31/02 (2006.01) A61Q 19/10 (2006.01)**

[25] EN  
 [54] **STABLE AND SAFE ANTISEPTIC SOLUTION COMPRISING CHLORHEXIDINE**

[54] **SOLUTION ANTISEPTIQUE STABLE ET SURE RENFERMANT DE LA CHLORHEXIDINE**

[72] CHAKROBORTY, ARJUN, US  
 [71] AVA, INC., US  
 [22] 2017-06-30  
 [41] 2017-12-30  
 [30] US (62/356,975) 2016-06-30

[21] **2,972,322**  
 [13] A1

[51] **Int.Cl. B65D 88/22 (2006.01)**

[25] EN  
 [54] **BULK MATERIAL SHIPPING CONTAINER**

[54] **CONTENANT D'EXPEDITION DE MATERIAU EN VRAC**

[72] ALLEGRETTI, C. JOHN, US  
 [72] CORRIGAN, KEVIN SYLVESTER, US  
 [72] GUERRERO, MARGARITO, US  
 [72] GUERRERO, FELIX, US  
 [71] ARROWS UP, LLC, US  
 [22] 2017-06-29  
 [41] 2017-12-30  
 [30] US (62/357,023) 2016-06-30  
 [30] US (15/634,018) 2017-06-27

[21] **2,972,677**  
 [13] A1

[51] **Int.Cl. A61L 9/015 (2006.01) H02J 50/10 (2016.01) A61L 9/03 (2006.01) A61L 9/12 (2006.01) H02J 7/02 (2016.01)**

[25] EN  
 [54] **SCENTED ELECTRONIC CANDLE WITH WIRELESS CHARGING BASE**

[54] **CHANDELLE ELECTRONIQUE PARFUMEE DOTEE D'UNE BASE DE RECHARGE SANS FIL**

[72] LI, XIAOFENG, CN  
 [71] LI, XIAOFENG, CN  
 [22] 2017-07-06  
 [41] 2017-12-27  
 [30] CN (201610478347.6) 2016-06-27  
 [30] US (15/207,411) 2016-07-11

[21] **2,972,296**  
 [13] A1

[51] **Int.Cl. A61K 47/26 (2006.01) A61K 9/00 (2006.01) A61K 31/436 (2006.01) A61K 47/14 (2017.01) A61P 27/02 (2006.01)**

[25] EN  
 [54] **DEPOT FORMULATIONS**

[54] **FORMULATIONS DE DEPOT**

[72] TAMRAZ, WILMA, US  
 [72] SU, HUEY-CHING LIN, US  
 [72] LIN, WEI QI, US  
 [72] YAMADA, KAZUHITO, JP  
 [72] MATSUMOTO, NAOKI, JP  
 [72] MUDUMBA, SREENIVASU, US  
 [72] OKABE, KOMEI, JP  
 [71] DURECT CORPORATION, US  
 [71] SANTEN PHARMACEUTICAL CO., LTD., JP  
 [22] 2017-06-29  
 [41] 2017-12-30  
 [30] US (62/356,613) 2016-06-30  
 [30] US (62/440,658) 2016-12-30

[21] **2,972,352**  
 [13] A1

[51] **Int.Cl. B66F 9/065 (2006.01) B62B 1/14 (2006.01) B66F 9/12 (2006.01)**

[25] EN  
 [54] **HALF PALLET SLED**

[54] **DEMI-LUGE EN PALETTE**

[72] KALINOWSKI, DANE GIN MUN, US  
 [72] ENGLERT, TRAVIS JAMES, US  
 [71] REHRIG PACIFIC COMPANY, US  
 [22] 2017-06-30  
 [41] 2017-12-30  
 [30] US (62/356,869) 2016-06-30

[21] **2,973,456**  
 [13] A1

[51] **Int.Cl. G03F 7/20 (2006.01) B33Y 10/00 (2015.01) B33Y 50/02 (2015.01) B29C 64/153 (2017.01) B22F 3/105 (2006.01)**

[25] EN  
 [54] **THREE-DIMENSIONAL SHAPING METHOD**

[54] **METHODE DE FACONNAGE TRIDIMENSIONNEL**

[72] AMAYA, KOUICHI, JP  
 [72] ISHIMOTO, KOUSUKE, JP  
 [72] YAMADA, TAKESHI, JP  
 [71] MATSUURA MACHINERY CORPORATION, JP  
 [22] 2017-07-14  
 [41] 2017-12-26

[21] **2,972,404**  
 [13] A1

[51] **Int.Cl. B60P 3/34 (2006.01) E04H 15/06 (2006.01)**

[25] EN  
 [54] **INTERIOR FLANGE FOR SLIDE-ROOM**

[54] **BRIDE INTERIEURE DESTINEE A UN ESPACE COULISSANT**

[72] DAME, DENNIS, US  
 [72] CHASE, JEFFREY, US  
 [72] CRABTREE, STEFAN, US  
 [71] COMPOSITE SOLUTIONS, INC., US  
 [22] 2017-06-30  
 [41] 2017-12-30  
 [30] US (62/357,152) 2016-06-30

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[21] **2,975,614**  
[13] A1

[51] **Int.Cl. C04B 38/08 (2006.01) C04B 14/10 (2006.01) C04B 28/04 (2006.01) E02D 3/12 (2006.01) C09K 8/473 (2006.01)**

[25] EN

[54] **COMPRESSIBLE GROUT MIX FOR USE IN ABSORBING COMPRESSIVE OR DEFORMATION STRESSES OF SUBTERRANEAN FORMATIONS**

[54] **MELANGE DE COULIS COMPRESSIBLE DESTINE A L'ABSORPTION DE CONTRAINTES DE COMPRESSION ET DE DEFORMATION DE FORMATIONS SOUTERRAINES**

[72] DIMILLO, TONY, CA  
[71] DIMILLO, TONY, CA  
[22] 2016-06-27  
[41] 2017-12-27  
[62] 2,934,141

[21] **2,983,477**  
[13] A1

[51] **Int.Cl. G06Q 30/02 (2012.01) G06F 17/30 (2006.01)**

[25] EN

[54] **COMMERCIAL SOFTWARE APPLICATION SYSTEM AND METHOD**

[54] **SYSTEME ET METHODE D'APPLICATION LOGICIELLE COMMERCIALE**

[72] KLIMKER-ROSEN, IDIT, CA  
[71] KLIMKER-ROSEN, IDIT, CA  
[22] 2017-10-24  
[41] 2017-12-25  
[30] US (15/789,918) 2017-10-20

[21] **2,983,501**  
[13] A1

[51] **Int.Cl. A63F 9/08 (2006.01)**

[25] EN

[54] **PUZZLE**

[54] **PUZZLE**

[72] TODOKORO, SHINJI, JP  
[71] AGATSUMA CO., LTD., JP  
[22] 2017-10-23  
[41] 2017-12-25  
[30] JP (2017-054950) 2017-03-21

[21] **2,983,503**  
[13] A1

[51] **Int.Cl. D04D 7/06 (2006.01)**

[25] EN

[54] **DEVICE AND METHOD FOR MAKING A POMPOM**

[54] **APPAREIL ET METHODE SERVANT A FABRIQUER UN POMPON**

[72] TODOKORO, SHINJI, JP  
[71] AGATSUMA CO., LTD., JP  
[22] 2017-10-23  
[41] 2017-12-25  
[30] JP (2017-005286) 2017-01-16

[21] **2,983,540**  
[13] A1

[51] **Int.Cl. G01S 5/14 (2006.01) H04W 56/00 (2009.01) H04W 64/00 (2009.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DETERMINING INDOOR LOCATION AND FLOOR OF A MOBILE DEVICE**

[54] **SYSTEMES ET METHODES DE DETERMINATION D'UN EMLACEMENT INTERIEUR ET D'ETAGE D'UN DISPOSITIF MOBILE**

[72] NAGPAL, PARAMVIR SINGH, CA  
[72] HUBERMAN, SEAN, CA  
[72] TAN, EDWARD, CA  
[72] GULO, EROS, CA  
[71] MAPSTED CORP., CA  
[22] 2017-10-18  
[41] 2017-12-25  
[30] US (15/593,373) 2017-05-12

[21] **2,983,541**  
[13] A1

[51] **Int.Cl. E21B 47/047 (2012.01) E21B 47/103 (2012.01) E21B 47/06 (2012.01)**

[25] EN

[54] **SYSTEMS AND METHODS FOR DYNAMIC LIQUID LEVEL MONITORING AND CONTROL**

[54] **SYSTEMES ET METHODES DE SURVEILLANCE ET CONTROLE DYNAMIQUES DE NIVEAU DE LIQUIDE**

[72] DORAISWAMY, SRIRAM, US  
[72] LONG, TED A., US  
[72] ADAIR, NEAL L., CA  
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[71] IMPERIAL OIL RESOURCES LIMITED, CA  
[22] 2017-10-24  
[41] 2017-12-29

[21] **2,983,748**  
[13] A1

[51] **Int.Cl. C12N 5/10 (2006.01) A23K 10/30 (2016.01) A23L 11/00 (2016.01) A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01) C12N 5/04 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**

[25] EN

[54] **SOYBEAN VARIETY 5PFDE97**

[54] **VARIETE DE SOJA 5PFDE97**

[72] FABRIZIUS, MARTIN A., US  
[72] KALVIG, ANDREA BETH, US  
[72] KRASHENINNIK, NADIA NIKOLAYEVNA, US  
[72] ROACH, MICHAEL THOMAS, US  
[71] PIONEER HI-BRED INTERNATIONAL, INC., US  
[22] 2017-10-25  
[41] 2017-12-28  
[30] US (62/502,797) 2017-05-08

[21] **2,983,862**  
[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K 10/30 (2016.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) A23J 1/14 (2006.01)**

[25] EN

[54] **CANOLA VARIETY 45M38**

[54] **VARIETE DE CANOLA 45M38**

[72] FALAK, IGOR, US  
[72] PATEL, JAYANTILAL DEVABHAI, US  
[71] PIONEER HI-BRED INTERNATIONAL, INC., US  
[22] 2017-10-26  
[41] 2017-12-27  
[30] US (15/701,529) 2017-09-12

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[13] A1

[51] **Int.Cl. C12N 5/04 (2006.01) A23K  
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(2006.01)**

[25] EN

[54] **CANOLA VARIETY 45CM36**

[54] **VARIETE DE CANOLA 45CM36**

[72] FALAK, IGOR, US

[72] MCCLINCHEY, SCOTT, US

[72] PATEL, JAYANTILAL DEVABHAI,  
US

[71] PIONEER HI-BRED  
INTERNATIONAL, INC., US

[22] 2017-10-26

[41] 2017-12-28

[30] US (15/701,584) 2017-09-12

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[13] A1

[51] **Int.Cl. A01K 5/02 (2006.01) A01K  
5/00 (2006.01) B25J 5/02 (2006.01)**

[25] EN

[54] **AUTONOMOUS VEHICLE FOR  
PUSHING FEED, METHODS AND  
SYSTEMS THEREOF**

[54] **VEHICULE AUTONOME  
SERVANT A POUSSER LA  
MATIERE PREMIERE,  
METHODES ET SYSTEMES  
ASSOCIES**

[72] LECLAIR, FRANCIS, CA

[72] LECLERC, PASCAL, CA

[72] DURAND, MARC-ANTOINE, CA

[72] FLEURENT, RICHARD, CA

[72] MARCOTTE, MARJOLAINE, CA

[72] THERRIEN, YVON, CA

[72] MALLERET, JEAN-PIERRE, CA

[72] ROUSSEAU, VICTOR, CA

[72] ROUSSEAU, KEVIN, CA

[72] BEAUREGARD, CLAUDE, CA

[72] ROUSSEAU, MARTIN, CA

[71] ROVIBEC INC., CA

[22] 2017-10-26

[41] 2017-12-28

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[51] <b>Int.Cl. A47L 9/10 (2006.01) A47L 5/24 (2006.01)</b>	[51] <b>Int.Cl. A47L 9/10 (2006.01) A47L 5/24 (2006.01) A47L 9/16 (2006.01)</b>	[51] <b>Int.Cl. A47L 9/10 (2006.01) A47L 5/24 (2006.01)</b>
[25] EN	[25] EN	[25] EN
[54] <b>DUST CUP ASSEMBLY AND HANDHELD CLEANER HAVING THE SAME</b>	[54] <b>DUST CUP ASSEMBLY AND HANDHELD CLEANER HAVING THE SAME</b>	[54] <b>DUST CUP ASSEMBLY AND HANDHELD CLEANER HAVING SAME</b>
[54] <b>DISPOSITIF DE GODET A POUSSIERE ET NETTOYEUR MANUEL EQUIPE DUDIT DISPOSITIF</b>	[54] <b>DISPOSITIF DE GODET A POUSSIERE ET NETTOYEUR MANUEL EQUIPE DUDIT DISPOSITIF</b>	[54] <b>DISPOSITIF DE GODET A POUSSIERE ET NETTOYEUR MANUEL EQUIPE DUDIT DISPOSITIF</b>
[72] ZHONG, MIN, CN	[72] SONG, BINGXIAN, CN	[72] ZHONG, MIN, CN
[72] SONG, BINGXIAN, CN	[72] ZHONG, MIN, CN	[72] SONG, BINGXIAN, CN
[72] WANG, YONGHUA, CN	[72] WANG, YONGHUA, CN	[72] WANG, YONGHUA, CN
[71] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN	[71] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN	[71] WU, JIAJUN, CN
[71] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN	[71] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN	[71] JIANGSU MIDEA CLEANING APPLIANCES CO., LTD., CN
[85] 2017-06-14	[85] 2017-06-16	[85] 2017-06-16
[86] 2016-07-14 (PCT/CN2016/090048)	[86] 2016-07-14 (PCT/CN2016/090046)	[85] 2017-06-16
[87] (2970695)	[87] (2970992)	[86] 2016-11-30 (PCT/CN2016/108104)
[30] CN (201610503971.7) 2016-06-30	[30] CN (201610503971.7) 2016-06-30	[87] (2971037)
[30] CN (201620676341.5) 2016-06-30	[30] CN (201620676341.5) 2016-06-30	[30] CN (201621182366.6) 2016-11-03
[30] CN (201610504892.8) 2016-06-30	[30] CN (201610504892.8) 2016-06-30	[30] CN (201610969801.8) 2016-11-03
[30] CN (201620675699.6) 2016-06-30	[30] CN (201620675699.6) 2016-06-30	[30] CN (201621182369.X) 2016-11-03
[30] CN (201610504525.8) 2016-06-30	[30] CN (201610504525.8) 2016-06-30	[30] CN (201621182435.3) 2016-11-03
[30] CN (201620677750.7) 2016-06-30	[30] CN (201620677750.7) 2016-06-30	[30] CN (201621182435.3) 2016-11-03
[30] CN (201610503910.0) 2016-06-30	[30] CN (201610503910.0) 2016-06-30	[30] CN (201610957621.8) 2016-11-03
[30] CN (201620678768.9) 2016-06-30	[30] CN (201620678768.9) 2016-06-30	[30] CN (201610957622.2) 2016-11-03
[30] CN (201610503150.3) 2016-06-30	[30] CN (201610503150.3) 2016-06-30	[30] CN (201621182368.5) 2016-11-03
[30] CN (201602676789.7) 2016-06-30	[30] CN (201620676789.7) 2016-06-30	[30] CN (201621182367.0) 2016-11-03
[30] CN (201610504616.1) 2016-06-30	[30] CN (201610504616.1) 2016-06-30	[30] CN (201610503971.7) 2016-06-30
[30] CN (201620678770.6) 2016-06-30	[30] CN (201620678770.6) 2016-06-30	[30] CN (201620676341.5) 2016-06-30
[30] CN (201620677833.6) 2016-06-30	[30] CN (201620677833.6) 2016-06-30	[30] CN (201610504892.8) 2016-06-30
[30] CN (201620677884.9) 2016-06-30	[30] CN (201620677884.9) 2016-06-30	[30] CN (20162075699.6) 2016-06-30
[30] CN (201620676343.4) 2016-06-30	[30] CN (201620676343.4) 2016-06-30	[30] CN (201610504525.8) 2016-06-30
[30] CN (201620675696.2) 2016-06-30	[30] CN (201620675696.2) 2016-06-30	[30] CN (201620677750.7) 2016-06-30
[30] CN (201610504599.1) 2016-06-30	[30] CN (201610504599.1) 2016-06-30	[30] CN (201610503910.0) 2016-06-30
[30] CN (201620676401.3) 2016-06-30	[30] CN (201620676401.3) 2016-06-30	[30] CN (201620678768.9) 2016-06-30
[30] CN (201610504893.2) 2016-06-30	[30] CN (201610504893.2) 2016-06-30	[30] CN (201610503150.3) 2016-06-30
[30] CN (201620676342.X) 2016-06-30	[30] CN (201620676342.X) 2016-06-30	[30] CN (201620676789.7) 2016-06-30
[30] CN (201610503729.X) 2016-06-30	[30] CN (201610503729.X) 2016-06-30	[30] CN (201610504616.1) 2016-06-30
[30] CN (201620677834.0) 2016-06-30	[30] CN (201620677834.0) 2016-06-30	[30] CN (201620678770.6) 2016-06-30
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[13] A1

[51] **Int.Cl. F24F 13/08 (2006.01) F15D 1/02 (2006.01) F24F 13/06 (2006.01)**  
[25] EN  
[54] **A STEADY FLOW STRUCTURE AND A VENTILATION APPARATUS HAVING SAID STEADY FLOW STRUCTURE**  
[54] **UNE STRUCTURE A ECOULEMENT STABLE ET UN APPAREIL DE VENTILATION DOTE DE LADITE STRUCTURE D'ECOULEMENT STABLE**  
[72] RUAN, HONGZHENG, CN  
[72] TANG, GUANGYE, US  
[71] E3 GREEN TECHNOLOGY CO., LTD., CN  
[85] 2017-11-10  
[86] 2016-04-01 (PCT/CN2016/078290)  
[87] (2976217)  
[30] CN (201610152404.1) 2016-03-17

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[13] A1

[51] **Int.Cl. A61B 90/00 (2016.01) A61B 10/00 (2006.01) A61B 18/00 (2006.01) A61B 18/14 (2006.01) G01N 33/483 (2006.01) H01J 49/02 (2006.01)**  
[25] EN  
[54] **TISSUE ANALYSIS BY MASS SPECTROMETRY OR ION MOBILITY SPECTROMETRY**  
[54] **ANALYSE TISSULAIRE PAR SPECTROMETRIE DE MASSE OU PAR SPECTROMETRIE DE MOBILITE IONIQUE**  
[72] PRINGLE, STEVEN DEREK, GB  
[72] KARANCSI, TAMAS, HU  
[72] JONES, EMRYS, GB  
[72] MORRIS, MICHAEL RAYMOND, GB  
[72] BALOG, JULIA, HU  
[72] LANGRIDGE, JAMES IAN, GB  
[72] TAKATS, ZOLTAN, GB  
[72] BOLT, FRANCES, GB  
[72] GODORHAZY, LAJOS, HU  
[72] SZALAY, DANIEL, HU  
[72] SIMON, DANIEL, HU  
[72] RICHARDSON, KEITH, GB  
[71] MICROMASS UK LIMITED, GB  
[85] 2017-08-28  
[86] 2016-03-07 (PCT/GB2016/050619)  
[87] (WO2016/142689)  
[30] GB (1503876.3) 2015-03-06  
[30] GB (1503864.9) 2015-03-06  
[30] GB (1503877.1) 2015-03-06  
[30] GB (1503867.2) 2015-03-06  
[30] GB (1503863.1) 2015-03-06  
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[30] GB (1518369.2) 2015-10-16

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[13] A1

[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/024 (2006.01) A61B 5/025 (2006.01) A61B 6/00 (2006.01)**  
[25] EN  
[54] **APPARATUS AND METHOD FOR IMAGING AND ANALYZING HEMODYNAMICS**  
[54] **APPAREIL ET METHODE D'IMAGERIE ET D'ANALYSE DE L'HEMODYNAMIQUE**  
[72] FUJII, HITOSHI, JP  
[72] OKAMOTO, KENJI, JP  
[72] LE, PHUONG THUY, JP  
[72] TAKAHASHI, NORIYOSHI, JP  
[72] SHIRAKAWA, TAKESHI, JP  
[72] KUROKI, TETSU, JP  
[71] SOFTCARE CO., LTD., JP  
[85] 2017-09-07  
[86] 2016-11-24 (PCT/JP2016/084746)  
[87] (2978745)  
[30] JP (2016-127441) 2016-06-28

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[13] A1

[51] **Int.Cl. A61F 13/15 (2006.01)**  
[25] EN  
[54] **ABSORBENT ARTICLE WITH LEG CUFFS**  
[54] **ARTICLE ABSORBANT DOTE DE BANDES DE JAMBE**  
[72] RAYCHECK, JEROMY THOMAS, US  
[72] SURUSHE, ABHISHEK PRAKASH, DE  
[72] MARTYNUS, CORNELIA BEATE, DE  
[72] ROE, DONALD CARROLL, US  
[72] BIANCHI, ERNESTO GABRIEL, DE  
[72] EHRNSPERGER, BRUNO JOHANNES, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2017-09-18  
[86] 2016-04-21 (PCT/US2016/028611)  
[87] (2979443)  
[30] US (15/074,453) 2016-03-18

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[13] A1

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[25] EN

[54] **VERTICALLY MOVABLE GATE WITH A GATE PANEL**

[54] **PORTE MOBILE VERTICALEMENT DOTEE D'UN PANNEAU DE PORTE**

[72] REJC, GABRIJEL, DE

[71] REJC, GABRIJEL, DE

[85] 2017-09-22

[86] 2017-06-26 (PCT/EP2017/065622)

[87] (2980199)

[30] EP (16176549.0) 2016-06-28

[21] **2,981,276**  
[13] A1

[51] **Int.Cl. E05D 15/16 (2006.01) E05D 15/24 (2006.01) E06B 3/44 (2006.01) E06B 3/48 (2006.01)**

[25] EN

[54] **MOTOR-OPERABLE AND VERTICALLY MOVABLE GATE**

[54] **CLOTURE MOTORISEE ET DEPLACABLE VERTICALEMENT**

[72] REJC, GABRIJEL, DE

[71] REJC, GABRIJEL, DE

[85] 2017-09-29

[86] 2017-06-26 (PCT/EP2017/065623)

[87] (2981276)

[30] EP (16176550.8) 2016-06-28

[21] **2,982,813**  
[13] A1

[51] **Int.Cl. H04W 48/16 (2009.01) H04W 36/30 (2009.01) H04W 36/32 (2009.01) H04W 76/27 (2018.01) H04W 88/04 (2009.01)**

[25] EN

[54] **SWITCHING BETWEEN NETWORK BASED AND RELAY BASED OPERATION FOR MISSION CRITICAL VOICE CALL**

[54] **COMMUTATION ENTRE FONCTIONNEMENT BASE SUR LE RESEAU ET BASE SUR UN RELAIS POUR APPEL VOCAL VITAL**

[72] VUTUKURI, ESWAR, GB

[72] SUZUKI, TAKASHI, JP

[72] FAURIE, RENE, FR

[71] BLACKBERRY LIMITED, CA

[85] 2017-10-05

[86] 2015-04-07 (PCT/IB2015/001452)

[87] (WO2016/162722)

[21] **2,982,833**  
[13] A1

[51] **Int.Cl. H04Q 3/64 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR AUTOMATED COMMUNICATIONS SESSION ROUTING IN A COMMUNICATIONS HANDLING SYSTEM**

[54] **SYSTEME ET PROCEDE DE ROUTAGE AUTOMATISE DE SESSION DE COMMUNICATION DANS UN SYSTEME DE GESTION DE COMMUNICATIONS**

[72] DROTOS, DAVID, US

[72] SWINFORD, JOHN, US

[71] TRANS UNION LLC, US

[85] 2017-10-13

[86] 2016-04-28 (PCT/US2016/029822)

[87] (WO2016/176472)

[30] US (62/154,033) 2015-04-28

[21] **2,982,834**  
[13] A1

[51] **Int.Cl. H04W 74/00 (2009.01) H04W 64/00 (2009.01) H04B 17/382 (2015.01)**

[25] EN

[54] **ENHANCED SCHEDULING PROCEDURE FOR FULL DUPLEX ACCESS POINT**

[54] **PROCEDURE DE PLANIFICATION AMELIOREE POUR POINT D'ACCES EN DUPLEX INTEGRAL**

[72] BHAT, AIMER, US

[72] PAKALAPATY, VENU, US

[71] QUALCOMM INCORPORATED, US

[85] 2017-10-05

[86] 2016-05-17 (PCT/US2016/032893)

[87] (WO2016/187208)

[30] US (14/715,839) 2015-05-19

[21] **2,984,197**  
[13] A1

[51] **Int.Cl. B63B 35/00 (2006.01) A01K 61/60 (2017.01) A01K 61/00 (2017.01) A01K 63/02 (2006.01) B63B 35/14 (2006.01) B63B 35/44 (2006.01) F03B 13/14 (2006.01)**

[25] EN

[54] **SEMISUBMERSIBLE OPEN SEA AQUACULTURE CAGE WITH COMBINED WAVE AND SOLAR POWER GENERATION**

[54] **CAGE SEMI-SUBMERSIBLE D'AQUACULTURE EN MER DOTEE DE GENERATION COMBINEE D'ENERGIE PRODUITE PAR LES VAGUES ET D'ENERGIE SOLAIRE**

[72] SHENG, SONGWEI, CN

[72] WANG, KUNLIN, CN

[72] LIN, HONGJUN, CN

[72] ZHANG, YAQUN, CN

[72] YOU, YAGE, CN

[72] WANG, ZHENPENG, CN

[71] GUANGZHOU INSTITUTE OF ENERGY CONVERSION, CHINESE ACADEMY OF SCIENCES, CN

[85] 2017-10-30

[86] 2016-06-24 (PCT/CN2016/087091)

[87] (2984197)

[30] CN (201610365276.9) 2016-05-26

[21] **2,984,745**  
[13] A1

[51] **Int.Cl. F16K 5/20 (2006.01) F16K 41/00 (2006.01)**

[25] EN

[54] **A MECHANICAL ENERGIZED SEALING BALL VALVE**

[54] **CLAPET SPHERIQUE D'ETANCHEISATION ACTIONNEE PAR ENERGIE MECANIQUE**

[72] LIU, XIAOQI, GB

[71] LIU, XIAOQI, GB

[85] 2017-11-03

[86] 2017-04-12 (PCT/CN2017/080179)

[87] (2984745)

[30] CN (2016204911272) 2016-05-26

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[13] A1

[51] **Int.Cl. B62D 55/08 (2006.01)**  
[25] EN  
[54] **TRACK SYSTEM**  
[54] **SYSTEME DE SUIVI**  
[72] SAUVAGEAU, YVES, CA  
[72] NANAC, BRANISLAV, CA  
[72] PELLERIN, JONATHAN, CA  
[72] LAFLAMME, FRANCOIS, CA  
[72] MARTEL, FREDERIK, CA  
[72] GASSE, WILLIAM, CA  
[72] GAGNON, JEAN, CA  
[72] BOUTIN, KEVEN, CA  
[71] SOUCY INTERNATIONAL INC., CA  
[85] 2017-09-21  
[86] 2017-04-07 (PCT/US2017/026691)  
[87] (2985914)  
[30] US (62/353,138) 2016-06-22

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[13] A1

[51] **Int.Cl. B28B 23/02 (2006.01) E04C 1/40 (2006.01)**  
[25] EN  
[54] **SLAB FILLERS AND METHODS FOR IMPLEMENTING FILLERS IN TWO-WAY CONCRETE SLABS FOR BUILDING STRUCTURES**  
[54] **MATIERES DE REMPLISSAGE DE DALLE ET METHODE DE MISE EN PLACE DE MATIERES DE REMPLISSAGE DANS LES DALLES DE BETON BIDIRECTIONNELLES DESTINEES A DES STRUCTURES DE BATIMENT**  
[72] MIRKHANI, SOROUSH, IR  
[72] MONFARED, ALI FIROUZI, IR  
[71] MIRKHANI, SEYED SOROUSH, IR  
[85] 2017-11-20  
[86] 2016-06-09 (PCT/IB2016/053384)  
[87] (2986125)

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[13] A1

[51] **Int.Cl. B05B 9/047 (2006.01) A47K 11/10 (2006.01) A47L 25/00 (2006.01) B08B 13/00 (2006.01) E03D 9/00 (2006.01)**  
[25] EN  
[54] **HYDRO-CLEANING SYSTEM FOR A WC**  
[54] **SYSTEME D'HYDRO-NETTOYAGE POUR WC**  
[72] VENDITTI, LUISA, IT  
[72] GIARDINO, FABIO, IT  
[71] WESS LTD, CY  
[85] 2017-11-27  
[86] 2016-05-30 (PCT/IB2016/053169)  
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[30] IT (102015000019699) 2015-06-01

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[13] A1

[51] **Int.Cl. B65D 71/50 (2006.01) B65D 85/67 (2006.01) B60P 7/08 (2006.01)**  
[25] EN  
[54] **REUSABLE TIE DOWN STORAGE CASE**  
[54] **CAISSE DE STOCKAGE D'ARRIMAGE REUTILISABLE**  
[72] TAYLOR, CURTIS P., US  
[72] HANSON, MATTHEW G., US  
[72] BREEDEN, WINSTON H., III, US  
[72] KURNIAWAN, COLLEEN, US  
[72] DRABOUSKY, DAVID, US  
[72] CHEPLA, RYAN, US  
[71] WINSTON PRODUCTS, LLC, US  
[85] 2017-11-30  
[86] 2016-06-13 (PCT/US2016/037255)  
[87] (WO2016/201442)  
[30] US (62/174,869) 2015-06-12  
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[13] A1

[51] **Int.Cl. B01J 2/26 (2006.01) B01J 2/04 (2006.01)**  
[25] EN  
[54] **APPARATUS AND PROCESS FOR FORMING PARTICLES**  
[54] **APPAREIL ET PROCEDE DE FORMATION DE PARTICULES**  
[72] HUDDLESTON, RICHARD ALBERT, US  
[72] FRENTZEL, LISA GRACE, US  
[72] DYKSTRA, ROBERT RICHARD, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2017-11-30  
[86] 2016-06-17 (PCT/US2016/037972)  
[87] (WO2016/205586)  
[30] US (14/744,494) 2015-06-19

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[13] A1

[51] **Int.Cl. B65D 77/06 (2006.01) B29B 11/08 (2006.01) B29B 11/14 (2006.01) B29C 45/14 (2006.01) B29C 45/44 (2006.01)**  
[25] EN  
[54] **IMPROVED PREFORMS AND PROCESSES FOR MAKING BAG IN BOTTLE CONTAINERS**  
[54] **PREFORMES AMELIOREES ET PROCESSUS POUR LA FABRICATION DE CONTENANTS DU TYPE "BAG-IN-BOTTLE"**  
[72] PIJLS, STEFAAN GHISLAIN EDGAR CLAIRE, BE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2017-11-30  
[86] 2016-06-20 (PCT/US2016/038286)  
[87] (WO2017/003730)  
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[25] EN  
[54] **FLEXIBLE CONTAINERS WITH REMOVABLE PORTIONS**  
[54] **RECIPIENTS SOUPLES COMPORTANT DES PARTIES AMOVIBLES**  
[72] ARENT, LEE MATHEW, US  
[72] LESTER, JOSEPH CRAIG, US  
[72] MCGUIRE, KENNETH STEPHEN, US  
[72] YOU, JUN, US  
[72] STANLEY, SCOTT KENDYL, US  
[72] RAPACH, ANDREW PAUL, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2017-11-30  
[86] 2016-06-29 (PCT/US2016/039931)  
[87] (WO2017/004106)  
[30] US (62/186,704) 2015-06-30

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[13] A1

[51] **Int.Cl. B29C 45/68 (2006.01)**  
[25] EN  
[54] **TOGGLE LEVER CLAMPING UNIT FOR AN INJECTION MOULDING MACHINE**  
[54] **UNITE DE PINCE DE LEVIER ARTICULE DESTINEE A UNE MACHINE DE MOULAGE PAR INJECTION**  
[72] ANGST, ADRIAN, CH  
[72] FUCHS, MARTIN, CH  
[72] HAUSAMMANN, MANUEL, CH  
[72] HAUTLE, MARCEL, CH  
[72] JENNY, DANIEL, CH  
[72] LUTHI, MARC, CH  
[72] MACHLER, ADRIAN, CH  
[72] MEIER, MARCO, CH  
[72] NOTZ, MARKUS, CH  
[72] SCHWITTER, REMO, CH  
[71] NETSTAL-MASCHINEN AG, CH  
[85] 2017-12-01  
[86] 2016-05-13 (PCT/EP2016/060854)  
[87] (WO2016/202509)  
[30] DE (10 2015 109 840.7) 2015-06-19

[21] **2,988,053**  
[13] A1

[51] **Int.Cl. B65D 83/44 (2006.01) B65D 83/38 (2006.01) B65D 83/48 (2006.01)**  
[25] FR  
[54] **METHOD FOR MANUFACTURING AN AEROSOL VALVE, AND AEROSOL VALVE**  
[54] **PROCEDE POUR FABRIQUER UNE VALVE D'AEROSOL ET VALVE D'AEROSOL**  
[72] BODET, HERVE, FR  
[72] BOREL, BERNARD, FR  
[71] LINDAL FRANCE SAS, FR  
[85] 2017-12-01  
[86] 2016-06-13 (PCT/EP2016/063537)  
[87] (WO2016/202754)  
[30] FR (1555497) 2015-06-16

[21] **2,988,069**  
[13] A1

[51] **Int.Cl. F22B 37/02 (2006.01) F22B 31/08 (2006.01)**  
[25] EN  
[54] **TURBINE SYSTEM AND METHOD**  
[54] **SYSTEME DE TURBINE ET PROCEDE**  
[72] KOVACEVIC, ALEKSANDAR, RS  
[71] CASTLE EUROPEAN LIMITED, GB  
[85] 2017-12-01  
[86] 2016-06-03 (PCT/GB2016/051655)  
[87] (WO2016/193759)  
[30] GB (1509651.4) 2015-06-03

[21] **2,988,080**  
[13] A1

[51] **Int.Cl. A61L 31/06 (2006.01) B29C 44/00 (2006.01) C08J 9/28 (2006.01) C08L 67/04 (2006.01)**  
[25] EN  
[54] **LYOPHILIZED FOAMS OF END BLOCK-CONTAINING ABSORBABLE POLYMERS**  
[54] **MOUSSES LYOPHILISEES DE POLYMERES ABSORBABLES CONTENANT DES BLOCS D'EXTREMITE**  
[72] DONNERS, JACKIE, US  
[72] WISNUDEL, MARC, US  
[72] TIMMER, MARK, US  
[71] ETHICON, INC., US  
[85] 2017-12-01  
[86] 2016-05-24 (PCT/US2016/033894)  
[87] (WO2016/196076)  
[30] US (14/728,226) 2015-06-02

[21] **2,988,081**  
[13] A1

[51] **Int.Cl. D21C 11/12 (2006.01) D21C 11/10 (2006.01)**  
[25] EN  
[54] **METHOD OF RECOVERING PULPING CHEMICALS FROM DISSOLVED ASH HAVING A HIGH CARBONATE CONTENT**  
[54] **PROCEDE DE RECUPERATION DE PRODUITS CHIMIQUES DE TRITURATION A PARTIR DE CENDRES DISSOUTES AYANT UNE TENEUR ELEVEE EN CARBONATE**  
[72] BEGLEY, MICHAEL, US  
[72] PECORARO, THOMAS ANTHONY, US  
[71] VEOLIA WATER TECHNOLOGIES, INC., US  
[85] 2017-12-01  
[86] 2016-05-31 (PCT/US2016/034957)  
[87] (WO2016/196430)  
[30] US (62/169,031) 2015-06-01  
[30] US (15/165,332) 2016-05-26

[21] **2,988,090**  
[13] A1

[51] **Int.Cl. B01D 61/58 (2006.01)**  
[25] EN  
[54] **PURIFICATION OF LITHIUM-CONTAINING BRINE**  
[54] **PURIFICATION D'UNE SAUMURE CONTENANT DU LITHIUM**  
[72] SWITZER, JACKSON R., US  
[72] CHENG, CHI HUNG, US  
[72] ALFERI, STEVEN R., US  
[71] ALBEMARLE CORPORATION, US  
[85] 2017-12-01  
[86] 2015-10-16 (PCT/US2015/056097)  
[87] (WO2016/209301)  
[30] US (62/183,786) 2015-06-24

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[13] A1

[51] **Int.Cl. D06F 35/00 (2006.01) D06F 39/08 (2006.01) D06F 39/14 (2006.01)**  
[25] EN  
[54] **IMPROVED APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE AMELIORES**  
[72] SAWFORD, MICHAEL DAVID, GB  
[72] SCOTT, IAIN ALEXANDER, GB  
[72] WALLACE, THOMAS JOHN, GB  
[71] XEROS LIMITED, GB  
[85] 2017-12-01  
[86] 2016-05-31 (PCT/GB2016/051584)  
[87] (WO2016/193703)  
[30] GB (1509463.4) 2015-06-01

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[13] A1

[51] **Int.Cl. A61J 7/04 (2006.01) A61J 7/00 (2006.01) B65B 1/02 (2006.01) B65B 1/04 (2006.01) B65B 41/12 (2006.01) B65B 57/06 (2006.01) B65B 65/02 (2006.01)**  
[25] EN  
[54] **SYSTEM AND METHOD FOR RELIABLY DISPENSING PRE-PACKAGED PHARMACEUTICALS**  
[54] **SYSTEME ET PROCEDE POUR DISTRIBUER DES PRODUITS PHARMACEUTIQUES PRE-EMBALLES**  
[72] BURTON, JOHN MICHAEL, JR., US  
[72] FLOYD, MICHAEL RICHARD, US  
[72] BONPAIN, ERIC X., US  
[72] DANIELS, MATTHEW P., US  
[72] CURL, WELDON, JR., US  
[72] ABRAMS, GEORGE RAYMOND, JR., US  
[72] SCHEDEL, JEFFREY J., US  
[72] PERISICH, MARK I., US  
[72] MORRIS, SASHA, US  
[72] HACKETT, SCOTT THOMAS, US  
[72] CUNNINGHAM, PAUL JOSEPH, US  
[72] RHOADS, THOMAS P., JR., US  
[72] WILKINSON, DAVID, US  
[72] WHITE, JACOB, US  
[72] DAWES, NEAL, US  
[72] BRIDGES, JEREMY SCOTT, US  
[72] WORM, STEVE, US  
[72] CHRISTOPHERSON, DAVID, US  
[72] KERRIGAN, BRIAN, US  
[72] FUCCELLA, DAN, US  
[72] KING, MICHAEL L., US  
[71] HAP INNOVATIONS, LLC, US  
[85] 2017-12-04  
[86] 2016-06-03 (PCT/US2016/035804)  
[87] (WO2016/196982)  
[30] US (62/171,646) 2015-06-05  
[30] US (62/263,345) 2015-12-04  
[30] US (62/292,713) 2016-02-08

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[13] A1

[51] **Int.Cl. B65D 83/38 (2006.01) B65D 83/64 (2006.01)**  
[25] EN  
[54] **PISTON AEROSOL DISPENSER**  
[54] **DISTRIBUTEUR D'AEROSOL A PISTON**  
[72] SMITH, SCOTT EDWARD, US  
[72] FRANCKHAUSER, ANDREW WILLIAM, US  
[72] BENSON, WILLIAM MERCER, US  
[72] BARTOLUCCI, STEFANO, IT  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2017-12-04  
[86] 2016-06-08 (PCT/US2016/036276)  
[87] (WO2016/205022)  
[30] US (14/742,771) 2015-06-18

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[21] **2,988,346**  
[13] A1

[51] **Int.Cl. B05B 7/00 (2006.01) B05B 11/00 (2006.01)**  
[25] EN  
[54] **FOAM DISPENSERS**  
[54] **DISTRIBUTEURS DE MOUSSE**  
[72] KNIGHT, SIMON CHRISTOPHER, GB  
[71] RIEKE PACKAGING SYSTEMS LIMITED, GB  
[85] 2017-12-05  
[86] 2016-06-06 (PCT/GB2016/051665)  
[87] (WO2016/193764)  
[30] GB (1509828.8) 2015-06-05

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[13] A1

[51] **Int.Cl. D21D 5/02 (2006.01)**  
[25] EN  
[54] **ROTORLESS PRESSURE KNOTTER**  
[54] **TRIEUR DE NŒUDS SOUS PRESSION SANS ROTOR**  
[72] GALLAGHER, BRIAN, CA  
[72] BROUILLETTE, DANIEL, CA  
[71] GL&V LUXEMBOURG S.A.R.L., LU  
[85] 2017-12-01  
[86] 2016-06-03 (PCT/IB2016/053272)  
[87] (WO2016/193942)  
[30] US (62/170,956) 2015-06-04

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[13] A1

[51] **Int.Cl. F17D 3/16 (2006.01) F17D 3/01 (2006.01) F17D 3/12 (2006.01)**

[25] EN

[54] **CONTROLLING FLOW OF BLACK POWDER IN HYDROCARBON PIPELINES**

[54] **REGULATION D'UN ECOULEMENT DE POUDRE NOIRE DANS DES PIPELINES D'HYDROCARBURES**

[72] HASSELL, JAMES CLYDE, SA

[71] SAUDI ARABIAN OIL COMPANY, SA

[85] 2017-12-06

[86] 2015-11-18 (PCT/US2015/061237)

[87] (WO2016/200427)

[30] US (14/733,674) 2015-06-08

[21] **2,989,225**  
[13] A1

[51] **Int.Cl. B65G 27/30 (2006.01)**

[25] EN

[54] **A SINGULATING VIBRATION FEEDER**

[54] **DISPOSITIF D'ALIMENTATION A VIBRATIONS POUR INDIVIDUALISATION**

[72] MUSIL, JIRI, CZ

[72] PETERSEN, ANDERS BLICHER, DK

[71] NEWTEC ENGINEERING A/S, DK

[85] 2017-11-30

[86] 2016-06-02 (PCT/DK2016/000025)

[87] (WO2016/192730)

[30] DK (PA 2015 00322) 2015-06-02

[21] **2,989,228**  
[13] A1

[51] **Int.Cl. C07D 409/04 (2006.01) C07D 241/12 (2006.01)**

[25] EN

[54] **METHODS FOR PREPARING OLTIPRAZ**

[54] **PROCEDE DE PREPARATION D'OLTIPRAZ**

[72] FRAMROZE, BOMI P., IN

[71] ST IP HOLDING AG, CH

[85] 2017-12-11

[86] 2016-06-24 (PCT/IN2016/050197)

[87] (WO2016/207914)

[30] IN (1891/DEL/2015) 2015-06-25

[30] US (14/823,256) 2015-08-11

[21] **2,989,269**  
[13] A1

[51] **Int.Cl. C07F 9/6558 (2006.01) A61K 31/537 (2006.01) A61K 38/05 (2006.01) C07F 9/572 (2006.01) C07K 16/32 (2006.01)**

[25] EN

[54] **HYDROPHILIC LINKERS FOR CONJUGATION**

[54] **LIEURS HYDROPHILES POUR CONJUGAISON**

[72] ZHAO, ROBERT YONGXIN, US

[71] HANGZHOU DAC BIOTECH CO., LTD, CN

[85] 2017-12-12

[86] 2015-06-15 (PCT/IB2015/054521)

[87] (WO2015/151078)

[21] **2,989,270**  
[13] A1

[51] **Int.Cl. A61K 31/416 (2006.01) A61P 9/10 (2006.01) A61P 27/02 (2006.01) C07D 231/56 (2006.01)**

[25] EN

[54] **COMPOSITIONS AND METHODS FOR TREATING AND DIAGNOSING OCULAR DISORDERS**

[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT ET LE DIAGNOSTIC DE TROUBLES OCULAIRES**

[72] BOYD, SHELLEY ROMAYNE, CA

[71] TRANSLATUM MEDICUS, INC., CA

[85] 2017-12-12

[86] 2016-06-16 (PCT/IB2016/000958)

[87] (WO2016/203313)

[30] US (62/180,432) 2015-06-16

[30] US (62/190,550) 2015-07-09

[21] **2,989,276**  
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) A61B 17/03 (2006.01)**

[25] EN

[54] **CARDIAC INJURY DEVICE**

[54] **DISPOSITIF POUR LESION CARDIAQUE**

[72] DE REZENDE NETO, JOAO BAPTISTA, CA

[71] DE REZENDE NETO, JOAO BAPTISTA, CA

[85] 2017-12-12

[86] 2016-06-27 (PCT/IB2016/053827)

[87] (WO2017/001998)

[30] US (62/186,472) 2015-06-30

[21] **2,989,283**  
[13] A1

[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/26 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01)**

[25] EN

[54] **LONG ACTING LIRAGLUTIDE COMPOSITIONS**

[54] **COMPOSITIONS DE LIRAGLUTIDE A ACTION PROLONGEE**

[72] KHOPADE, AJAY JAYSINGH, IN

[72] HALDER, ARINDAM, IN

[72] PATEL, VIVEK, IN

[71] SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED, IN

[85] 2017-12-12

[86] 2016-06-16 (PCT/IN2016/050185)

[87] (WO2016/203495)

[30] IN (1567/MUM/2015) 2015-06-16

[21] **2,989,285**  
[13] A1

[51] **Int.Cl. A61J 1/05 (2006.01) A61M 11/00 (2006.01)**

[25] EN

[54] **OCULAR INSTILLATION ASSISTING TOOL**

[54] **OUTIL D'AIDE A L'INSTILLATION OCULAIRE**

[72] YAMADA, HIROSHI, JP

[71] SANTEN PHARMACEUTICAL CO., LTD., JP

[85] 2017-12-12

[86] 2016-06-15 (PCT/JP2016/067806)

[87] (WO2016/204179)

[30] JP (2015-123264) 2015-06-18

[30] JP (2016-117385) 2016-06-13

[21] **2,989,290**  
[13] A1

[51] **Int.Cl. G16H 40/00 (2018.01) G16H 10/00 (2018.01) G16H 10/60 (2018.01) G06F 1/16 (2006.01)**

[25] EN

[54] **TRACKING PATIENT INFORMATION AND MEDICAL DEVICE IDENTIFIER**

[54] **SUIVI DES INFORMATIONS DE PATIENT ET IDENTIFIANT DE DISPOSITIF MEDICAL**

[72] WILLIAMS, KEITH DAWSON, US

[72] EVANS, CARLTON DEE, US

[71] S & S INNOVATIONS, LLC, US

[85] 2017-12-12

[86] 2016-05-24 (PCT/US2016/033877)

[87] (WO2017/003585)

[30] US (62/185,638) 2015-06-28

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[13] A1

[51] **Int.Cl. A61K 31/198 (2006.01) A23L 33/175 (2016.01) A61K 36/8962 (2006.01) A61P 9/12 (2006.01) C07C 321/18 (2006.01)**

[25] EN  
[54] **ANTIHYPERTENSIVE AGENT**  
[54] **AGENT HYPOTENSEUR**  
[72] USHIJIMA, MITSUYASU, JP  
[72] TAKASHIMA, MIYUKI, JP  
[72] KODERA, YUKIHIRO, JP  
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[71] WAKUNAGA PHARMACEUTICAL CO., LTD., JP  
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[30] JP (2015-119116) 2015-06-12

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[51] **Int.Cl. F04D 15/00 (2006.01) E21B 43/12 (2006.01) F04B 49/20 (2006.01) F04D 13/08 (2006.01) F04D 31/00 (2006.01)**

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[54] **SUBSEA PUMP AND SYSTEM AND METHODS FOR CONTROL**  
[54] **POMPE SOUS-MARINE AINSI QUE SYSTEME ET PROCEDES DE COMMANDE**  
[72] SLATER, ROBIN, GB  
[72] HOMSTVEDT, GUNDER, US  
[72] SANTOS, MARCELO, US  
[71] AKER SOLUTIONS AS, NO  
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[30] US (62/190,831) 2015-07-10  
[30] NO (20150973) 2015-07-27

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[54] **STYRENIC BLOCK COPOLYMERS AS THERMALLY-ACTIVATED VISCOSIFIERS FOR OILFIELD APPLICATIONS**  
[54] **COPOLYMERES SEQUENCES STYRENIQUES UTILES EN TANT QU'ADDITIFS AMELIORANT L'INDICE DE VISCOSITE THERMO-ACTIVES POUR DES APPLICATIONS DE CHAMP PETROLIFERE**  
[72] BENING, ROBERT C., US  
[72] MURPHY, ERIN, US  
[72] WILLIS, CARL, US  
[71] KRATON POLYMERS U.S. LLC, US  
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[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF GLYCOGEN STORAGE DISEASES AND GLYCOGEN METABOLISM DISORDERS**  
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE GLYCOGENOSES ET DE TROUBLES DU METABOLISME DU GLYCOGENE**  
[72] ARMSTRONG, DUSTIN D., US  
[71] VALERION THERAPEUTICS, LLC, US  
[85] 2017-12-12  
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[54] **FREQUENCY HOPPING SPREAD SPECTRUM (FHSS) FOURIER TRANSFORM SPECTROSCOPY**  
[54] **SPECTROSCOPIE PAR TRANSFORMEE DE FOURIER A ETALEMENT DE SPECTRE A SAUT DE FREQUENCE (FHSS)**  
[72] PATE, BROOKS HART, US  
[72] STEBER, AMANDA, US  
[72] HARRIS, BRENT, US  
[71] PATE, BROOKS HART, US  
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[71] HARRIS, BRENT, US  
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[54] **HAIR CONDITIONING TREATMENT APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE REVITALISATION CAPILLAIRE**  
[72] REES-JONES, BLYTHE GUY, NZ  
[72] ROE, DAVID ERL, NZ  
[72] JONES, JONATHAN MARTIN, NZ  
[72] CRANE, SIMON JOHN, NZ  
[72] ALLAN, TIMOTHY MARK, NZ  
[71] ROHOLM LIMITED, NZ  
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[25] EN  
[54] **MICROBUBBLES FOR HEAT AND/OR GAS GENERATION IN SUBTERRANEAN FORMATIONS**  
[54] **MICROBULLES POUR LA PRODUCTION DE CHALEUR ET/OU DE GAZ DANS DES FORMATIONS SOUTERRAINES**  
[72] NGUYEN, PHILIP D., US  
[72] HALL, LEE J., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-12-12  
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[51] **Int.Cl. A01D 44/00 (2006.01) A01G 33/00 (2006.01)**  
[25] EN  
[54] **SYSTEM FOR HARVESTING SEAWEED AND GENERATING ETHANOL THEREFROM**  
[54] **SYSTEME POUR RECOLTER DES ALGUES ET PRODUIRE DE L'ETHANOL A PARTIR DE CES DERNIERES**  
[72] BILEY, JONATHAN KARL WAYNE, CA  
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[85] 2017-11-17  
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[54] **REAL-TIME CONTROL OF DIVERTERS**  
[54] **REGLAGE DE DEFLECTEURS EN TEMPS REEL**  
[72] SUN, ZHIJIE, US  
[72] DYKSTRA, JASON D., US  
[72] GU, QIUYING, US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[85] 2017-12-12  
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[13] A1

[51] **Int.Cl. F02B 63/04 (2006.01)**  
[25] EN  
[54] **ENGINE GENERATOR SET WITH A MORE COMPACT, MODULAR DESIGN AND IMPROVED COOLING CHARACTERISTICS**  
[54] **GROUPE ELECTROGENE A CONCEPTION MODULAIRE PLUS COMPACTE ET A CARACTERISTIQUES DE REFROIDISSEMENT AMELIOREES**  
[72] MCANDREW, W. THOMAS, US  
[72] METIVIER, MARIO JOSEPH RENE, US  
[72] THOMPSON, CLARK JAMES, US  
[71] ENCHANTED ROCK, LTD., US  
[85] 2017-12-12  
[86] 2016-06-29 (PCT/US2016/039971)  
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[30] US (62/185,831) 2015-06-29

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[51] **Int.Cl. H02K 7/02 (2006.01) G05G 1/00 (2006.01)**  
[25] EN  
[54] **SAFE ASSEMBLY AND INSTALLATION OF A FLYWHEEL**  
[54] **ASSEMBLAGE ET INSTALLATION D'UN VOLANT D'INERTIE EN TOUTE SECURITE**  
[72] SUN, ERIC, US  
[72] BAKHOLDIN, DANIEL, US  
[72] CHIAO, EDWARD YOUNG, US  
[72] GARTEN, MATTHEW BRANDON, US  
[72] HE, MIKE, US  
[72] HOLLOWAY, MARK J., US  
[72] SANDERS, SETH R., US  
[72] SENESKY, MATTHEW K., US  
[72] SLEDD, ALAN MICHAEL, US  
[72] TENNESSEN, PETER THOMAS, US  
[71] AMBER KINETICS, INC., US  
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[25] EN  
[54] **SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL LIQUID APPLICATION**  
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR L'APPLICATION DE LIQUIDE AGRICOLE**  
[72] RADTKE, IAN, US  
[72] STOLLER, JASON, US  
[72] MCMAHON, BRIAN, US  
[72] STRNAD, MIKE, US  
[72] KOCH, DALE, US  
[72] MORGAN, MATT, US  
[72] LEMAN, TRACY, US  
[72] WILDERMUTH, PAUL, US  
[72] KOCH, JUSTIN, US  
[71] PRECISION PLANTING LLC, US  
[85] 2017-12-12  
[86] 2016-06-15 (PCT/US2016/037704)  
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[30] US (62/175,920) 2015-06-15  
[30] US (62/220,576) 2015-09-18  
[30] US (62/280,085) 2016-01-18

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[51] **Int.Cl. C07K 14/46 (2006.01) A01N 43/00 (2006.01) A61K 39/02 (2006.01) A61K 39/04 (2006.01) A61P 31/04 (2006.01) C07K 14/35 (2006.01)**  
[25] EN  
[54] **STABILIZED ANTI-MICROBIAL PEPTIDES**  
[54] **PEPTIDES STABILISES ANTI-MICROBIENS**  
[72] WALENSKY, LOREN D., US  
[72] MOURTADA, RIDA, US  
[72] BIRD, GREGORY H., US  
[71] DANA-FARBER CANCER INSTITUTE, INC., US  
[85] 2017-12-12  
[86] 2016-07-01 (PCT/US2016/040849)  
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[30] US (62/188,448) 2015-07-02  
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[25] EN

[54] **ON DEMAND RADIATION INDUCED CONSTRUCTIVE AND DECONSTRUCTIVE CHEMICAL REACTIONS**

[54] **RAYONNEMENT SUR DEMANDE INDUIT PAR DES REACTIONS CHIMIQUES CONSTRUCTIVES ET DECONSTRUCTIVES**

[72] FATHI, ZAKARYAE, US  
[72] PACANOVSKI, JOHN, US  
[72] BOURKE, FREDERIC A., JR., US  
[71] IMMUNOLIGHT, LLC., US  
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[86] 2016-06-14 (PCT/US2016/037319)  
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[13] A1

[51] **Int.Cl. E03B 7/00 (2006.01) E03B 7/07 (2006.01) F16K 21/04 (2006.01) F16K 21/16 (2006.01) G05D 7/06 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR A WATER CONSERVATION SYSTEM**

[54] **APPAREIL ET PROCEDURE POUR UN SYSTEME DE CONSERVATION D'EAU**

[72] HILLIS, ROBBIE, US  
[72] ROBBINS, RODNEY, US  
[72] ROBBINS, JERRY, US  
[71] ARK INNOVATIONS, INC., US  
[85] 2017-12-12  
[86] 2016-06-16 (PCT/US2016/037828)  
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[25] EN

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[54] **ADSORBANT POUR LA RECUPERATION D'HYDROCARBURES**

[72] DOLAN, WILLIAM B., US  
[72] WYATT, ROGER, GB  
[72] SIEGEL, ANGELA, DE  
[72] NEUMANN, KLAUS, DE  
[72] ECKARDT, TOBIAS, DE  
[71] BASF CORPORATION, US  
[85] 2017-12-12  
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[13] A1

[51] **Int.Cl. A61K 35/407 (2015.01) A61K 38/17 (2006.01) A61M 37/00 (2006.01)**

[25] EN

[54] **COMPOSITION AND METHOD FOR INDUCING ANTI-APOPTOSIS, SURVIVAL, OR PROLIFERATION OF A CELL**

[54] **COMPOSITION ET PROCEDURE PERMETTANT D'INDUIRE L'ANTI-APOPTOSE, LA SURVIE OU LA PROLIFERATION DE CELLULE**

[72] ASHLEY, ROBERT A., US  
[72] LANDEEN, LEE, US  
[71] VITAL THERAPIES, INC., US  
[85] 2017-12-12  
[86] 2016-06-14 (PCT/US2016/037416)  
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[30] US (62/175,947) 2015-06-15  
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[51] **Int.Cl. F16K 15/02 (2006.01) F16J 15/26 (2006.01) F16K 17/04 (2006.01)**

[25] EN

[54] **MAIN STAGE IN-LINE PRESSURE CONTROL CARTRIDGE WITH STEPPED RETAINER COLLAR**

[54] **CARTOUCHE DE REGULATION DE PRESSION EN LIGNE D'ETAGE PRINCIPAL AYANT UN COLLIER DE RETENUE ETAGE**

[72] ALBRECHT, DAVID E., JR., US  
[72] ALBRECHT, DAVID E., US  
[71] ALBRECHT, DAVID E., JR., US  
[71] ALBRECHT, DAVID E., US  
[85] 2017-12-12  
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[87] (WO2016/205043)  
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[13] A1

[51] **Int.Cl. G06Q 30/00 (2012.01)**

[25] EN

[54] **TRAVEL BOOKING WITH AUTOMATIC CONSUMPTION OF LOYALTY REWARD POINTS**

[54] **RESERVATION DE VOYAGE AVEC UNE CONSOMMATION AUTOMATIQUE DE POINTS DE RECOMPENSE DE FIDELITE**

[72] MILLER, HAROLD ROY, CA  
[72] MILLER, JONATHAN DAVID, CA  
[72] VALVERDE, L. JAMES, JR., CA  
[71] AMGINE TECHNOLOGIES (US), INC., US  
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[54] **PROCEDES DE DIAGNOSTIC ET DE TRAITEMENT DE L'AUTISME**  
[72] HAKONARSON, HAKON, US  
[72] WENGER, TARA, US  
[72] KAO, CHARLLY, US  
[72] HADLEY, DEXTER, US  
[72] WU, ZHI-LIANG, US  
[72] GLESSNER, JOSEPH, US  
[71] THE CHILDREN'S HOSPITAL OF PHILADELPHIA, US  
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[86] 2016-06-15 (PCT/US2016/037596)  
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[30] US (14/740,230) 2015-06-15  
[30] US (62/215,633) 2015-09-08  
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[25] EN  
[54] **METHOD AND COMPOSITIONS FOR CLEANING COOKING RANGE EXHAUST SYSTEMS**  
[54] **PROCEDE ET COMPOSITIONS POUR LE NETTOYAGE DE SYSTEMES DE HOTTE DE CUISSON**  
[72] KRITZLER, STEVE, AU  
[72] VEGERA, ANDREY, AU  
[71] NOVAPHARM RESEARCH (AUSTRALIA) PTY LTD, AU  
[85] 2017-12-13  
[86] 2016-06-15 (PCT/AU2016/050496)  
[87] (WO2016/201504)  
[30] AU (2015902295) 2015-06-16

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[13] A1

[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/13 (2006.01) A61K 39/145 (2006.01)**  
[25] EN  
[54] **MULTIVALENT ENTEROVIRUS VACCINE COMPOSITIONS AND USES RELATED THERETO**  
[54] **COMPOSITIONS DE VACCIN A ENTEROVIRUS MULTIVALENT ET UTILISATIONS ASSOCIEES**  
[72] MOORE, MARTIN L., US  
[72] LEE, SUJIN, US  
[72] NGUYEN, MINH TRANG, PL  
[71] EMORY UNIVERSITY, US  
[71] CHILDREN'S HEALTHCARE OF ATLANTA, INC., US  
[85] 2017-12-12  
[86] 2016-06-15 (PCT/US2016/037658)  
[87] (WO2016/205389)  
[30] US (62/175,832) 2015-06-15

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[13] A1

[51] **Int.Cl. C07D 498/22 (2006.01) C07D 471/22 (2006.01)**  
[25] EN  
[54] **CHIRAL DIARYL MACROCYCLES AS MODULATORS OF PROTEIN KINASES**  
[54] **MACROCYCLES DE DIARYLE CHIRAUX A UTILISER EN TANT QUE MODULATEURS DE PROTEINES KINASES**  
[72] CUI, JINGRONG J., US  
[72] LI, YISHAN, US  
[72] ROGERS, EVAN W., US  
[72] ZHAI, DAYONG, US  
[72] DENG, WEI, US  
[72] UNG, JANE, US  
[71] TP THERAPEUTICS, INC., US  
[85] 2017-12-12  
[86] 2016-06-30 (PCT/US2016/040329)  
[87] (WO2017/004342)  
[30] US (62/188,043) 2015-07-02  
[30] US (62/353,728) 2016-06-23

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[13] A1

[51] **Int.Cl. C12N 15/00 (2006.01) C12N 15/113 (2010.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01) C12N 9/22 (2006.01) C12N 15/90 (2006.01)**  
[25] EN  
[54] **CRISPR/CAS9-BASED TREATMENTS**  
[54] **TRAITEMENTS A BASE DE CRISPR/CAS9**  
[72] JUN, ALBERT, S., US  
[72] JASKULA-RANGA, VINOD, US  
[72] ZACK, DONALD, US  
[71] THE JOHNS HOPKINS UNIVERSITY, US  
[85] 2017-12-12  
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[87] (WO2017/004616)  
[30] US (62/188,013) 2015-07-02

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[13] A1

[51] **Int.Cl. G01N 29/11 (2006.01) E03B 7/00 (2006.01)**  
[25] EN  
[54] **DETERMINATION OF TUBERCULATION IN A FLUID DISTRIBUTION SYSTEM**  
[54] **DETERMINATION DE TUBERCULISATION DANS UN SYSTEME DE DISTRIBUTION DE FLUIDE**  
[72] YUSUF, SHABBIR, CA  
[72] RICHAZ, WERNER GUENTHER, CA  
[71] MUELLER INTERNATIONAL, LLC, US  
[85] 2017-12-12  
[86] 2016-06-10 (PCT/US2016/036856)  
[87] (WO2016/205082)  
[30] US (14/740,902) 2015-06-16

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[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01) H03M 13/00 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR SECURE TRANSMISSION OF SIGNALS FROM A CAMERA**

[54] **SYSTEME ET PROCEDE DE TRANSMISSION SECURISEE DE SIGNAUX A PARTIR D'UNE CAMERA**

[72] WILSHINSKY, MURRAY B., IL

[72] YANOVSKY, DAVID, EE

[72] NAMORADZE, TEIMURAZ, EE

[71] CLOUD CROWDING CORP., US

[85] 2017-12-12

[86] 2016-07-07 (PCT/US2016/041349)

[87] (WO2017/007945)

[30] US (62/189,769) 2015-07-08

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[13] A1

[51] **Int.Cl. G01N 33/24 (2006.01) G01N 1/08 (2006.01)**

[25] EN

[54] **SOIL CONDITION ANALYSIS SYSTEM AND PROCESS**

[54] **SYSTEME ET PROCEDE D'ANALYSE DE L'ETAT DU SOL**

[72] VISCARRA ROSSEL, RAPHAEL, AU

[72] FLICK, PAUL, AU

[72] LOBSEY, CRAIG RAYMOND, AU

[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU

[85] 2017-12-13

[86] 2016-06-15 (PCT/AU2016/050500)

[87] (WO2016/201508)

[30] AU (2015902264) 2015-06-15

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[13] A1

[51] **Int.Cl. G01B 13/14 (2006.01) G01F 23/14 (2006.01) G01L 9/06 (2006.01)**

[25] EN

[54] **SENSOR FOR REMOTE MEASUREMENT OF FLUID DEPTH IN ENVIRONMENTAL MONITORING**

[54] **CAPTEUR POUR LA MESURE A DISTANCE D'UNE PROFONDEUR DE FLUIDE EN SURVEILLANCE ENVIRONNEMENTALE**

[72] BARTLETT, PHILIP, CA

[72] ARGYLE, MIKE, US

[72] BUZAS, LAVENTE, CA

[72] WILLIAMS, ROGER, CA

[71] FTS FOREST TECHNOLOGY SYSTEMS LTD., CA

[85] 2017-12-13

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[87] (WO2016/201548)

[30] US (62/181,577) 2015-06-18

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[13] A1

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

[25] EN

[54] **METHOD AND COMMUNICATIONS DEVICE FOR TRANSMITTING INFORMATION**

[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS ET DISPOSITIF DE COMMUNICATION**

[72] RONG, LU, CN

[72] ZENG, GUANGZHU, CN

[72] XIE, YONG, CN

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

[85] 2017-12-13

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[13] A1

[51] **Int.Cl. B60C 7/12 (2006.01) B60C 7/14 (2006.01) B60C 7/18 (2006.01)**

[25] EN

[54] **NON-PNEUMATIC ELASTOMERIC TIRE WITH CROSSED SPOKE SIDEWALLS**

[54] **BANDAGE ELASTOMERE NON PNEUMATIQUE A PAROIS LATERALES DE RAYON CROISE**

[72] LASKOWITZ, IAN, US

[71] LANXESS SOLUTION US INC., US

[85] 2017-12-12

[86] 2017-03-30 (PCT/US2017/024941)

[87] (WO2017/200645)

[30] US (62/337,986) 2016-05-18

[21] **2,989,340**  
[13] A1

[51] **Int.Cl. A01C 7/06 (2006.01) A01C 5/00 (2006.01) A01C 14/00 (2006.01) A01C 23/00 (2006.01) A01C 23/02 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL LIQUID APPLICATION**

[54] **SYSTEMES, PROCEDES ET APPAREIL POUR APPLICATION DE LIQUIDE AGRICOLE**

[72] LEVY, KENT, US

[72] RADTKE, IAN, US

[72] LEMAN, TRACY, US

[71] PRECISION PLANTING LLC, US

[85] 2017-12-12

[86] 2016-06-15 (PCT/US2016/037701)

[87] (WO2016/205421)

[30] US (62/175,920) 2015-06-15

[30] US (62/220,576) 2015-09-18

[30] US (62/280,085) 2016-01-18

[30] US (62/279,995) 2016-01-18

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[13] A1

[51] **Int.Cl. A61K 31/7034 (2006.01)**  
[25] EN  
[54] **METHOD FOR TREATING OR PREVENTING DRY EYES**  
[54] **METHODE DE TRAITEMENT OU DE PREVENTION DE LA SECHERESSE OCULAIRE**  
[72] WU, RONG-TSUN, CN  
[72] HORNG, LIN-YEA, CN  
[71] WU, RONG-TSUN, CN  
[85] 2017-12-13  
[86] 2016-06-16 (PCT/CN2016/000309)  
[87] (WO2016/201953)  
[30] US (62/180,450) 2015-06-16

[21] **2,989,342**  
[13] A1

[51] **Int.Cl. A61B 34/00 (2016.01) A61B 90/00 (2016.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR GUIDING TISSUE RESECTION**  
[54] **SYSTEMES ET PROCEDES POUR GUIDER LA RESECTION DE TISSU**  
[72] KRISHNASWAMY, VENKATARAMANAN, US  
[72] BARTH, RICHARD J., US  
[72] PAULSEN, KEITH D., US  
[71] THE TRUSTEES OF DARTMOUTH COLLEGE, US  
[85] 2017-12-12  
[86] 2016-06-10 (PCT/US2016/037043)  
[87] (WO2016/201341)  
[30] US (62/174,949) 2015-06-12  
[30] US (62/185,292) 2015-06-26  
[30] US (14/919,411) 2015-10-21

[21] **2,989,343**  
[13] A1

[51] **Int.Cl. A61K 31/17 (2006.01) A61K 31/415 (2006.01) A61P 25/00 (2006.01)**  
[25] EN  
[54] **DIARYL AND ARYLHETEROARYL UREA DERIVATIVES USEFUL FOR THE PROPHYLAXIS AND TREATMENT OF REM SLEEP BEHAVIOR DISORDER**  
[54] **DERIVES DE DIARYL ET ARYLHETEROARYL UREE UTILES POUR LA PROPHYLAXIE ET LE TRAITEMENT DU TROUBLE DU COMPORTEMENT EN SOMMEIL REM**  
[72] WEN, YANDONG, US  
[72] FRIEDHOFF, LAWRENCE TIM, US  
[72] RAMASWAMY, SHANKAR, US  
[71] WEN, YANDONG, US  
[71] AXOVANT SCIENCES GMBH, CH  
[71] FRIEDHOFF, LAWRENCE TIM, US  
[71] RAMASWAMY, SHANKAR, US  
[85] 2017-12-12  
[86] 2016-06-10 (PCT/US2016/037090)  
[87] (WO2016/201373)  
[30] US (62/174,983) 2015-06-12  
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[30] US (62/236,562) 2015-10-02  
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[30] US (62/278,198) 2016-01-13

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[13] A1

[51] **Int.Cl. G02B 6/26 (2006.01) G02B 6/34 (2006.01)**  
[25] EN  
[54] **INTEGRATED TARGET WAVEGUIDE DEVICES AND SYSTEMS FOR OPTICAL COUPLING**  
[54] **DISPOSITIFS DE GUIDES D'ONDES CIBLES INTEGRES, ET SYSTEMES POUR LE COUPLAGE OPTIQUE**  
[72] WANG, SHANG, US  
[72] FOQUET, MATHIEU, US  
[72] LUNDQUIST, PAUL, US  
[72] RULISON, AARON, US  
[72] MCDONALD, MARK, US  
[72] HERRMANN, ARIEL, US  
[71] PACIFIC BIOSCIENCES OF CALIFORNIA, INC., US  
[85] 2017-12-12  
[86] 2016-06-11 (PCT/US2016/037106)  
[87] (WO2016/201387)  
[30] US (62/175,139) 2015-06-12

[21] **2,989,347**  
[13] A1

[51] **Int.Cl. C12N 5/0783 (2010.01)**  
[25] EN  
[54] **METHOD TO TREAT CANCER WITH ENGINEERED T-CELLS**  
[54] **PROCEDE DE TRAITEMENT DE CANCER A L'AIDE DE LYMPHOCYTES T GENETIQUEMENT MODIFIES**  
[72] DROPULIC, BORO, US  
[72] ORENTAS, RIMAS, US  
[72] SCHNEIDER, DINA, US  
[72] KRUEGER, WINFRIED, US  
[71] LENTIGEN TECHNOLOGY, INC., US  
[85] 2017-12-12  
[86] 2016-06-12 (PCT/US2016/037120)  
[87] (WO2016/201394)  
[30] US (62/175,003) 2015-06-12

[21] **2,989,360**  
[13] A1

[51] **Int.Cl. B29C 45/54 (2006.01) B29C 45/60 (2006.01)**  
[25] EN  
[54] **BIAXIAL OR TRI-AXIAL ECCENTRIC ROTOR VOLUME PULSED DEFORMATION PLASTICIZING METHOD AND DEVICE**  
[54] **PROCEDE ET DISPOSITIF DE PLASTIFICATION BIAXIALE OU TRIAXIALE PAR DEFORMATION DE VOLUME PULSE PAR UN ROTOR EXCENTRIQUE**  
[72] QU, JINPING, CN  
[72] YANG, ZHITAO, CN  
[72] FENG, YANHONG, CN  
[72] YIN, XIAOCHUN, CN  
[71] SOUTH CHINA UNIVERSITY OF TECHNOLOGY, CN  
[71] GUANGZHOU HUAXINKE INTELLIGENT MANUFACTURING TECHNOLOGY CO., LTD., CN  
[85] 2017-12-13  
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[87] (WO2017/157061)  
[30] CN (201610150876.3) 2016-03-16

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[54] **LAMPE A TUBE A DEL**  
[72] JIANG, TAO, CN  
[71] JIAXING SUPER LIGHTING  
ELECTRIC APPLIANCE CO., LTD,  
CN  
[85] 2017-12-13  
[86] 2016-07-15 (PCT/CN2016/090184)  
[87] (WO2017/016399)  
[30] CN (201510448220.5) 2015-07-27  
[30] CN (201510482944.1) 2015-08-07  
[30] CN (201510483475.5) 2015-08-08  
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[30] CN (201510555543.4) 2015-09-02  
[30] CN (201510645134.3) 2015-10-08  
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[30] CN (201510848766.X) 2015-11-27  
[30] CN (201510868263.9) 2015-12-02  
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[13] A1

[51] **Int.Cl. A61N 7/00 (2006.01) A61H  
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[25] EN  
[54] **NEURODEGENERATIVE DISEASE  
TREATMENT**  
[54] **TRAITEMENT DES MALADIES  
NEURODEGENERATIVES**  
[72] GOETZ, JUERGEN, AU  
[72] LEINENGA, GERHARD, AU  
[71] THE UNIVERSITY OF  
QUEENSLAND, AU  
[85] 2017-12-13  
[86] 2015-06-19 (PCT/AU2015/050345)  
[87] (WO2015/192189)  
[30] AU (2014902366) 2014-06-20

[21] **2,989,364**  
[13] A1

[51] **Int.Cl. C07C 217/18 (2006.01) A61K  
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[25] EN  
[54] **PROCESS FOR THE  
PREPARATION OF  
ENCLOMIPHENE CITRATE  
HAVING NEEDLE SHAPED  
CRYSTAL HABIT**  
[54] **PROCEDE DE PREPARATION DE  
CITRATE D'ENCLOMIPHENE  
AYANT UN HABITUS  
ACICULAIRE**  
[72] CARUANA, LORENZO, IT  
[72] PADOVAN, PIERLUIGI, IT  
[72] DAL SANTO, CLAUDIO, IT  
[71] F.I.S. - FABBRICA ITALIANA  
SINTETICI S.P.A., IT  
[85] 2017-12-13  
[86] 2016-04-22 (PCT/EP2016/059072)  
[87] (WO2017/182097)

[21] **2,989,368**  
[13] A1

[51] **Int.Cl. C12N 15/82 (2006.01) C12N  
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[25] EN  
[54] **METHOD AND CONSTRUCTS  
FOR SPECIFIC NUCLEIC ACID  
EDITING IN PLANTS**  
[54] **PROCEDE ET HYBRIDES POUR  
L'EDITION CIBLEE D'ACIDE  
NUCLEIQUE DANS LES  
VEGETAUX**  
[72] HARLING, HINRICH, DE  
[72] MARTIN-ORTIGOSA, SUSANA, DE  
[72] NIESSEN, MARKUS, DE  
[72] STREITNER, CORINNA, DE  
[72] SCHUMANN, NADINE, DE  
[72] JONGEDIJK, ERIK, BE  
[71] KWS SAAT SE, DE  
[85] 2017-12-13  
[86] 2016-05-19 (PCT/EP2016/061237)  
[87] (WO2016/184955)  
[30] DE (102015006335.9) 2015-05-19  
[30] DE (102015014252.6) 2015-11-05

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[13] A1

[51] **Int.Cl. C08G 18/00 (2006.01) C08G  
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[25] EN  
[54] **ALDEHYDE SCAVENGERS FOR  
POLYURETHANE FOAMS**  
[54] **ENTRAINEURS D'ALDEHYDES  
POUR MOUSSES DE  
POLYURETHANE**  
[72] SU, SHENG, CN  
[72] BURDENIUC, JUAN JESUS, US  
[72] LAL, GAURI SANKAR, US  
[72] AL-RASHID, JENNIFER E. A., US  
[72] PANITZSCH, TORSTEN, DE  
[71] EVONIK DEGUSSA GMBH, DE  
[85] 2017-12-13  
[86] 2015-06-16 (PCT/CN2015/081524)  
[87] (WO2016/201615)

[21] **2,989,380**  
[13] A1

[51] **Int.Cl. C23F 13/20 (2006.01)**  
[25] EN  
[54] **CATHODIC PROTECTION OF  
METAL SUBSTRATES**  
[54] **PROTECTION CATHODIQUE DE  
SUBSTRATS METALLIQUES**  
[72] HASHEMI, FARZAD, CA  
[71] HASHEMI, FARZAD, CA  
[85] 2017-12-13  
[86] 2016-06-14 (PCT/IB2016/053503)  
[87] (WO2016/203368)  
[30] US (62/175,690) 2015-06-15

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[13] A1

[51] **Int.Cl. C25B 13/02 (2006.01) C25B 1/10 (2006.01) C25B 9/00 (2006.01) C25B 13/08 (2006.01)**

[25] EN

[54] **ALKALINE WATER ELECTROLYSIS DIAPHRAGM AND METHOD OF MANUFACTURING SAME**

[54] **DIAPHRAGME POUR L'ELECTROLYSE D'EAU ALCALINE ET PROCEDE POUR LA FABRICATION DE CE DERNIER**

[72] ITO, TAKAFUMI, JP

[72] SHIMOMURA, IKUO, JP

[72] MANABE, AKIYOSHI, JP

[72] KATO, AKIHIRO, JP

[72] HASHIMOTO, TERUMI, JP

[72] KAMEI, YUJI, JP

[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP

[71] THYSSENKRUPP UHDE CHLORINE ENGINEERS (JAPAN) LTD., JP

[71] DE NORA PERMELEC LTD, JP

[85] 2017-12-13

[86] 2016-05-16 (PCT/JP2016/002378)

[87] (WO2016/203701)

[30] JP (2015-121129) 2015-06-16

[21] **2,989,392**  
[13] A1

[51] **Int.Cl. C07F 1/08 (2006.01) A61K 33/34 (2006.01) A61K 35/00 (2006.01) A61P 11/00 (2006.01) A61P 19/00 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)**

[25] EN

[54] **METAL ION COMPLEXES**

[54] **COMPLEXES D'IONS METALLIQUES**

[72] CASBOLT, LLEWELLYN STEPHEN FRANK, AU

[72] SIMPSON, WILLIAM JOHN, AU

[71] RR MEDSCIENCES PTY LTD, AU

[85] 2017-12-18

[86] 2016-06-17 (PCT/AU2016/050518)

[87] (WO2016/201524)

[30] AU (2015902374) 2015-06-19

[21] **2,989,393**  
[13] A1

[51] **Int.Cl. B63B 23/32 (2006.01) B63B 23/62 (2006.01)**

[25] EN

[54] **DINGHY SUPPORT ARRANGEMENT**

[54] **STRUCTURE DE SUPPORT DE CANOT PNEUMATIQUE**

[72] NORDEMAR, JOHANNES, SE

[71] NORDEMAR, JOHANNES, SE

[85] 2017-12-13

[86] 2016-07-07 (PCT/SE2016/000039)

[87] (WO2017/007390)

[30] SE (1530106-2) 2015-07-07

[21] **2,989,394**  
[13] A1

[51] **Int.Cl. C07C 253/14 (2006.01) C07C 255/23 (2006.01)**

[25] EN

[54] **A NOVEL PROCESS FOR THE PREPARATION OF TERIFLUNOMIDE**

[54] **NOUVEAU PROCEDE DE PREPARATION DE TERIFLUNOMIDE**

[72] PALLE, VENKATA, RAGHAVENDRACHARYULU, IN

[72] BHAT, RAMAKRISHNA, PARAMESHWAR, IN

[72] KALIAPPAN, MARIAPPAN, IN

[72] BABU, JITHENDRA, R., IN

[72] SHANMUGHASAMY, RAJMAHENDRA, IN

[71] BIOCON LIMITED, IN

[85] 2017-12-13

[86] 2016-06-16 (PCT/IB2016/053556)

[87] (WO2016/203410)

[30] IN (3028/CHE/2015) 2015-06-17

[21] **2,989,399**  
[13] A1

[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/04 (2006.01) A61P 31/00 (2006.01)**

[25] EN

[54] **BROAD-SPECTRUM ANTI-INFECTIVE PEPTIDES**

[54] **PEPTIDES ANTI-INFECTIEUX A LARGE SPECTRE**

[72] CHO, NAM-JOON, SG

[72] JACKMAN, JOSHUA ALEXANDER, SG

[71] NANYANG TECHNOLOGICAL UNIVERSITY, SG

[85] 2017-12-13

[86] 2016-06-24 (PCT/SG2016/050291)

[87] (WO2016/209173)

[30] US (62/184,354) 2015-06-25

[21] **2,989,408**  
[13] A1

[51] **Int.Cl. G01N 29/02 (2006.01)**

[25] EN

[54] **SHEAR HORIZONTAL-SURFACE ACOUSTIC WAVE SYSTEM AND METHOD FOR MEASUREMENT AND SPECIAION OF HYDROCARBONS IN GROUNDWATER**

[54] **SYSTEME D'ONDE ACOUSTIQUE DE SURFACE HORIZONTALE DE CISAILLEMENT ET PROCEDE DE MESURE ET DE SPECIATION D'HYDROCARBURES DANS DES EAUX SOUTERRAINES**

[72] JOSSE, FABIEN, J., US

[72] BENDER, FLORIAN, US

[72] RICCO, ANTONIO, J., US

[72] MOHLER, RACHEL, E., US

[72] KOLHATKAR, RAVI, US

[71] MARQUETTE UNIVERSITY, US

[71] CHEVRON U.S.A. INC., US

[85] 2017-12-13

[86] 2016-06-13 (PCT/US2016/037221)

[87] (WO2017/003670)

[30] US (62/187,902) 2015-07-02

[21] **2,989,409**  
[13] A1

[51] **Int.Cl. G02F 1/1335 (2006.01) C09K 19/52 (2006.01) G02B 5/18 (2006.01)**

[25] EN

[54] **VIRTUAL AND AUGMENTED REALITY SYSTEMS AND METHODS**

[54] **SYSTEMES ET PROCEDES DE REALITE VIRTUELLE ET AUGMENTEE**

[72] KLUG, MICHAEL ANTHONY, US

[72] SCHOWENGERDT, BRIAN T., US

[72] MILLER, MICHAEL NEVIN, US

[72] SINGH, VIKRAMJIT, US

[72] PEROZ, CHRISTOPHE, US

[72] ST. HILAIRE, PIERRE, US

[72] SUN, JIE, US

[71] MAGIC LEAP, INC., US

[85] 2017-12-13

[86] 2016-06-14 (PCT/US2016/037443)

[87] (WO2016/205249)

[30] US (62/175,994) 2015-06-15

[30] US (62/180,551) 2015-06-16

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[13] A1

[51] **Int.Cl. G02F 1/295 (2006.01) G02F 1/29 (2006.01) G03B 21/00 (2006.01) H04J 14/00 (2006.01) H04J 14/06 (2006.01)**

[25] EN

[54] **DISPLAY SYSTEM WITH OPTICAL ELEMENTS FOR IN-COUPLING MULTIPLEXED LIGHT STREAMS**

[54] **SYSTEME D'AFFICHAGE AVEC ELEMENTS OPTIQUES POUR LE COUPLAGE DE FLUX DE LUMIERE MULTIPLEXE**

[72] KLUG, MICHAEL ANTHONY, US  
[72] SCHOWENGERDT, BRIAN T., US  
[72] MILLER, MICHAEL NEVIN, US  
[72] SINGH, VIKRAMJIT, US  
[72] PEROZ, CHRISTOPHE, US  
[72] ST. HILAIRE, PIERRE, US  
[72] SUN, JIE, US  
[71] MAGIC LEAP, INC., US  
[85] 2017-12-13  
[86] 2016-06-14 (PCT/US2016/037452)  
[87] (WO2016/205256)  
[30] US (62/175,994) 2015-06-15  
[30] US (62/180,551) 2015-06-16

[21] **2,989,417**  
[13] A1

[51] **Int.Cl. A63B 21/005 (2006.01) A63B 21/22 (2006.01) A63B 22/06 (2006.01) A63B 24/00 (2006.01) A63B 69/06 (2006.01) A63B 69/16 (2006.01) A63B 71/06 (2006.01)**

[25] EN

[54] **APPARATUS AND METHOD FOR INCREASED REALISM OF TRAINING ON EXERCISE MACHINES**

[54] **APPAREIL ET PROCEDE DE REALISME ACCRU DESTINE A L'ENTRAINEMENT SUR DES MACHINES D'EXERCICE**

[72] SCHAEFER, MICHAEL V., US  
[72] BALINT, JOHN A., US  
[71] SCHAEFER, MICHAEL V., US  
[71] BALINT, JOHN A., US  
[85] 2017-10-20  
[86] 2016-04-19 (PCT/US2016/028282)  
[87] (WO2016/172103)  
[30] US (62/149,869) 2015-04-20

[21] **2,989,421**  
[13] A1

[51] **Int.Cl. B25J 9/16 (2006.01) A61B 5/103 (2006.01) A61H 3/00 (2006.01) B25J 9/18 (2006.01) B25J 11/00 (2006.01) B25J 19/02 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR PROVIDING ECONOMICAL, PORTABLE DEFICIT-ADJUSTED ADAPTIVE ASSISTANCE DURING MOVEMENT PHASES OF AN IMPAIRED ANKLE**

[54] **PROCEDE ET APPAREIL POUR FOURNIR UNE AIDE ADAPTATIVE AJUSTEE AU DEFICIT PORTATIF ET ECONOMIQUE LORS DE PHASES DE DEPLACEMENT D'UNE CHEVILLE DIMINUEE**

[72] ROY, ANINDO, US  
[72] MACKO, RICHARD F., US  
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US  
[71] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US  
[85] 2017-12-13  
[86] 2016-06-20 (PCT/US2016/038370)  
[87] (WO2016/209770)  
[30] US (62/182,779) 2015-06-22

[21] **2,989,422**  
[13] A1

[51] **Int.Cl. H04M 3/00 (2006.01) H04M 5/00 (2006.01) H04M 7/00 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUS FOR MANAGING CUSTOMER INTERACTIONS ON MULTIPLE INTERACTION CHANNELS**

[54] **PROCEDE ET APPAREIL DE GESTION D'INTERACTIONS DE CLIENT SUR DE MULTIPLES CANAUX D'INTERACTION**

[72] MONEGAN, MICHAEL, US  
[72] SINGH, TAJINDER, US  
[71] 24/7 CUSTOMER, INC., US  
[85] 2017-12-13  
[86] 2016-06-20 (PCT/US2016/038424)  
[87] (WO2016/205818)  
[30] US (62/182,230) 2015-06-19  
[30] US (15/186,158) 2016-06-17

[21] **2,989,426**  
[13] A1

[51] **Int.Cl. H01R 13/453 (2006.01) H01G 9/00 (2006.01)**

[25] EN

[54] **A HIGH-WATTAGE POWER APPLIANCE SYSTEM**

[54] **SYSTEME D'APPAREIL D'ALIMENTATION DE FORT COURANT**

[72] DE LUCA, NICHOLAS P., US  
[72] PERKINS, ANDREW, US  
[71] DE LUCA OVEN TECHNOLOGIES, LLC, US  
[85] 2017-12-13  
[86] 2016-06-16 (PCT/US2016/037939)  
[87] (WO2016/205569)  
[30] US (62/180,597) 2015-06-16  
[30] US (62/218,577) 2015-09-15

[21] **2,989,428**  
[13] A1

[51] **Int.Cl. B01J 38/02 (2006.01) B01J 29/08 (2006.01) B01J 29/70 (2006.01) B01J 37/06 (2006.01) B01J 37/08 (2006.01) C07C 2/58 (2006.01) C10G 29/20 (2006.01)**

[25] EN

[54] **IMPROVED CATALYZED ALKYLATION, ALKYLATION CATALYSTS, AND METHODS OF MAKING ALKYLATION CATALYSTS**

[54] **ALKYLATION CATALYSEE AMELIOREE, CATALYSEURS D'ALKYLATION ET PROCEDES DE FABRICATION DE CATALYSEURS D'ALKYLATION**

[72] MUKHERJEE, MITRAJIT, US  
[72] GAUTHIER, ERIC DANIEL, US  
[72] COLEY, KELLY ANN, US  
[71] EXELUS, INC., US  
[85] 2017-12-13  
[86] 2016-06-22 (PCT/US2016/038827)  
[87] (WO2016/210006)  
[30] US (62/183,037) 2015-06-22

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[21] **2,989,431**  
[13] A1

[51] **Int.Cl. A61K 31/403 (2006.01) A61K 45/06 (2006.01) C07D 209/52 (2006.01)**

[25] EN  
[54] **CRYSTALLINE COMPOUNDS COMPOSES CRISTALLINS**

[72] BYMASTER, FRANKLIN, US  
[72] PISKORSKI, WALTER, US  
[72] FLEITZ, FRED J., US  
[72] YANG, YONGLAI, US  
[72] ENGERS, DAVID A., US  
[72] SMOLENSKAYA, VALERIYA, US  
[72] MCKINNEY, ANTHONY ALEXANDER, US

[72] KUSUKUNTLA, VENKAT, US  
[71] OTSUKA AMERICA PHARMACEUTICAL, INC., US

[85] 2017-12-13  
[86] 2016-06-17 (PCT/US2016/038256)  
[87] (WO2016/205762)  
[30] US (62/181,174) 2015-06-17

[21] **2,989,432**  
[13] A1

[51] **Int.Cl. A61K 9/72 (2006.01) A61K 45/00 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**

[25] EN  
[54] **THERAPEUTIC IMMUNE MODULATION USING NOBLE GAS COMPOSITIONS**

[54] **MODULATION IMMUNITAIRE THERAPEUTIQUE A L'AIDE DE COMPOSITIONS DE GAZ NOBLE**

[72] BOGIN, VLAD, US  
[72] ICHIM, THOMAS, US  
[71] BOGIN, VLAD, US  
[71] ICHIM, THOMAS, US

[85] 2017-12-13  
[86] 2016-06-23 (PCT/US2016/039038)  
[87] (WO2016/210144)  
[30] US (62/183,624) 2015-06-23  
[30] US (62/276,753) 2016-01-08

[21] **2,989,434**  
[13] A1

[51] **Int.Cl. C07C 51/00 (2006.01) C07C 31/18 (2006.01) C07C 51/16 (2006.01) C07C 51/377 (2006.01)**

[25] EN  
[54] **METHOD FOR THE PRODUCTION OF 2,4-DIHYDROXYBUTYRIC ACID**

[54] **PROCEDE DE PRODUCTION D'ACIDE 2,4-DIHYDROXYBUTYRIQUE**

[72] STAPLEY, JONATHAN, US  
[72] GENDERS, DAVID, US  
[71] DYNAMIC FOOD INGREDIENTS CORPORATION, US

[85] 2017-12-13  
[86] 2016-06-24 (PCT/US2016/039282)  
[87] (WO2016/210281)  
[30] US (62/184,571) 2015-06-25  
[30] US (62/204,796) 2015-08-13

[21] **2,989,439**  
[13] A1

[51] **Int.Cl. G01V 1/50 (2006.01) E21B 47/085 (2012.01) G01V 1/20 (2006.01) G01V 1/46 (2006.01)**

[25] EN  
[54] **ULTRASONIC IMAGING DEVICE AND METHOD FOR WELLS**

[54] **DISPOSITIF D'IMAGERIE ULTRASONORE ET PROCEDE POUR DES Puits**

[72] MANDERS, GRAHAM, CA  
[72] MALIK, OSMAN, CA  
[72] ROBINSON, STEPHEN E., CA  
[72] HOPE, JAY RODERICK, CA  
[71] DARKVISION TECHNOLOGIES INC., CA

[85] 2017-12-14  
[86] 2016-06-17 (PCT/CA2016/050716)  
[87] (WO2016/201583)  
[30] US (62/180,729) 2015-06-17

[21] **2,989,444**  
[13] A1

[51] **Int.Cl. G01N 33/53 (2006.01) C12P 21/06 (2006.01)**

[25] EN  
[54] **DEVICE FOR DETECTING MISFOLDED PROTEINS AND METHODS OF USE THEREOF**

[54] **DISPOSITIF PERMETTANT DE DETECTER DES PROTEINES MAL REPLIEES ET PROCEDES D'UTILISATION DE CE DERNIER**

[72] DAVIS, WENDY L., US  
[72] LEVENSON, DANNY, US  
[71] GESTVISION, INC., US

[85] 2017-12-13  
[86] 2016-07-15 (PCT/US2016/042426)  
[87] (WO2017/011727)  
[30] US (62/192,962) 2015-07-15

[21] **2,989,445**  
[13] A1

[51] **Int.Cl. C12M 1/34 (2006.01) C40B 30/04 (2006.01) G01N 33/48 (2006.01)**

[25] EN  
[54] **BIOSENSOR COMPRISING TANDEM REACTIONS OF STRUCTURE SWITCHING, NUCLEOLYTIC DIGESTION AND AMPLIFICATION OF A NUCLEIC ACID ASSEMBLY**

[54] **BIOCAPTEUR COMPRENANT DES REACTIONS EN TANDEM DE COMMUTATION DE STRUCTURE, DE DIGESTION NUCLEOLYTIQUE ET D'AMPLIFICATION D'UN ENSEMBLE D'ACIDES NUCLEIQUES**

[72] LI, YINGFU, CA  
[72] BRENNAN, JOHN, CA  
[72] LIU, MENG, CA  
[71] MCMASTER UNIVERSITY, CA

[85] 2017-12-14  
[86] 2016-06-22 (PCT/CA2016/050731)  
[87] (WO2016/205940)  
[30] US (62/182,711) 2015-06-22

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[21] **2,989,447**  
[13] A1

[51] **Int.Cl. G06Q 50/34 (2012.01) A63F 9/24 (2006.01)**  
[25] EN  
[54] **COLLABORATIVE BETTING PLATFORM**  
[54] **PLATEFORME DE PARI COLLABORATIVE**  
[72] DEGUARA, DAMIAN, AU  
[71] EXCITING HOLDINGS PTY LIMITED, AU  
[85] 2017-12-14  
[86] 2016-06-16 (PCT/AU2016/050507)  
[87] (WO2016/201515)  
[30] AU (2015902302) 2015-06-16

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[21] **2,989,448**  
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 50/00 (2012.01)**  
[25] EN  
[54] **SYSTEM AND METHODS FOR ALERTING A USER CONSUMING MEDIA TO THE PROGRESS OF OTHERS CONSUMING MEDIA**  
[54] **SYSTEME ET PROCEDES DESTINES A AVERTIR UN UTILISATEUR CONSOMMANT DES SUPPORTS MULTIMEDIA DE L'AVANCEMENT D'AUTRES UTILISATEURS CONSOMMANTS DES SUPPORTS MULTIMEDIA**  
[72] SHANWARE, AJIT, US  
[71] ROVI GUIDES, INC., US  
[85] 2017-12-13  
[86] 2016-12-20 (PCT/US2016/067711)  
[87] (WO2017/112645)  
[30] US (14/978,707) 2015-12-22

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[21] **2,989,449**  
[13] A1

[51] **Int.Cl. G06Q 10/10 (2012.01) H04N 21/458 (2011.01)**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR DETECTING OVERLAPS BETWEEN CALENDAR APPOINTMENTS AND MEDIA ASSET TRANSMISSION TIMES**  
[54] **PROCEDES ET SYSTEMES POUR DETECTER DES CHEVAUchements ENTRE DES RENDEZ-VOUS DE CALENDRIER ET DES TEMPS DE TRANSMISSION DE CONTENU MULTIMEDIA**  
[72] LIN, EDISON, US  
[71] ROVI GUIDES, INC., US  
[85] 2017-12-13  
[86] 2016-12-21 (PCT/US2016/068020)  
[87] (WO2017/112771)  
[30] US (14/998,109) 2015-12-23

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[21] **2,989,450**  
[13] A1

[51] **Int.Cl. H04N 21/214 (2011.01) H04N 21/414 (2011.01) H04N 21/63 (2011.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR ENABLING USERS TO RECEIVE ACCESS TO CONTENT IN CLOSED NETWORK**  
[54] **SYSTEMES ET PROCEDES CONCUS POUR PERMETTRE A DES UTILISATEURS DE BENEFICIER D'UN ACCES A UN CONTENU DANS UN RESEAU FERME**  
[72] PATEL, MILAN INDU, US  
[71] ROVI GUIDES, INC., US  
[85] 2017-12-13  
[86] 2017-01-26 (PCT/US2017/015081)  
[87] (WO2017/132340)  
[30] US (15/010,602) 2016-01-29  
[30] US (15/010,676) 2016-01-29

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[21] **2,989,451**  
[13] A1

[51] **Int.Cl. G06F 17/30 (2006.01)**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR DETERMINING CONTEXT SWITCHING IN CONVERSATION**  
[54] **SYSTEMES ET PROCEDES DESTINES A DETERMINER UNE COMMUTATION DE CONTEXTE DANS UNE CONVERSATION**  
[72] MOHAIDEEN P, AHMED NIZAM, IN  
[72] VENKATARAMAN, SASHIKUMAR, US  
[72] MALHOTRA, MANIK, IN  
[71] ROVI GUIDES, INC., US  
[85] 2017-12-13  
[86] 2017-05-25 (PCT/US2017/034385)  
[87] (WO2017/213867)  
[30] US (15/176,516) 2016-06-08

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[21] **2,989,452**  
[13] A1

[51] **Int.Cl. C02F 1/50 (2006.01) B01J 19/18 (2006.01) C02F 1/00 (2006.01) G01N 33/18 (2006.01)**  
[25] EN  
[54] **PROCESS AND DEVICE FOR THE TREATMENT OF A FLUID CONTAINING A CONTAMINANT**  
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT D'UN FLUIDE CONTENANT UN CONTAMINANT**  
[72] LAWRYSHYN, YURI ANDREW, CA  
[72] TANG, TAI FUNG, CA  
[72] SANTARO, DOMENICO, CA  
[72] SARATHY, SIVA RAJAN, CA  
[71] TROJAN TECHNOLOGIES, CA  
[85] 2017-12-14  
[86] 2016-06-23 (PCT/CA2016/050737)  
[87] (WO2016/205944)  
[30] US (62/231,029) 2015-06-23

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[13] A1

[51] **Int.Cl. G06T 19/20 (2011.01) G06Q 30/06 (2012.01) G06G 7/48 (2006.01)**

[25] EN

[54] **SYSTEM AND METHOD FOR PROVIDING MODULAR ONLINE PRODUCT SELECTION, VISUALIZATION AND DESIGN SERVICES**

[54] **SYSTEME ET PROCEDE POUR FOURNIR DES SERVICES DE CONCEPTION ET DE VISUALISATION DE SELECTION DE PRODUIT EN LIGNE MODULAIRE**

[72] DUTT, RAJEEV, US  
[72] NEGRILA, CATALIN ALEXANDRU, US  
[72] HURST, SHAE, US  
[72] HERBERT, DAVE, US  
[72] THOMPSON, SUSANNAH, US  
[72] ELLIS, JASON K., US  
[71] DIMENSIONALMECHANICS, INC., US

[85] 2017-12-13  
[86] 2016-06-30 (PCT/US2016/040442)  
[87] (WO2017/004392)  
[30] US (62/187,451) 2015-07-01  
[30] US (62/243,513) 2015-10-19

[21] **2,989,454**  
[13] A1

[51] **Int.Cl. H04W 72/12 (2009.01) H04W 72/14 (2009.01)**

[25] EN

[54] **UPLINK RESOURCE SCHEDULING CONTROL IN RESPONSE TO CHANNEL BUSY CONDITION**

[54] **COMMANDE DE PROGRAMMATION DE RESSOURCE DE LIAISON MONTANTE EN REponse A UNE CONDITION D'OCCUPATION DE CANAL**

[72] ANDERSON, NICHOLAS WILLIAM, GB  
[72] VUTUKURI, ESWAR, GB  
[71] BLACKBERRY LIMITED, CA

[85] 2017-12-14  
[86] 2016-08-09 (PCT/CA2016/050930)  
[87] (WO2017/024399)  
[30] US (14/824,723) 2015-08-12

[21] **2,989,457**  
[13] A1

[51] **Int.Cl. A61K 38/48 (2006.01) A61K 39/02 (2006.01) A61P 31/04 (2006.01)**

[25] EN

[54] **METHOD OF TREATING CROHN'S DISEASE**

[54] **METHODE DE TRAITEMENT DE LA MALADIE DE CROHN**

[72] KAMM, MICHAEL ALBERT, AU  
[72] KIRKWOOD, CARL DUNN, AU  
[72] DE CRUZ, PETER-PHILIP, AU  
[72] WAGNER, JOSEF, GB  
[72] WRIGHT, EMILY KATE, AU  
[72] INOUE, MICHAEL TADAO, AU  
[72] TEO, SHU MEI, AU  
[71] MURDOCH CHILDRENS RESEARCH INSTITUTE, AU  
[71] ST VINCENT'S HOSPITAL MELBOURNE, AU

[85] 2017-12-14  
[86] 2016-06-16 (PCT/AU2016/050512)  
[87] (WO2016/201519)  
[30] AU (2015902286) 2015-06-16

[21] **2,989,459**  
[13] A1

[51] **Int.Cl. H04W 74/02 (2009.01) H04W 52/02 (2009.01)**

[25] EN

[54] **CONTROLLING TRANSMISSION OF A WIRELESS DEVICE ASSOCIATED WITH MULTIPLE ACCESS POINTS**

[54] **COMMANDE DE L'EMISSION D'UN DISPOSITIF SANS FIL ASSOCIE A DE MULTIPLES POINTS D'ACCES**

[72] LEPP, JAMES RANDOLPH WINTER, CA  
[72] BARRETT, STEPHEN JOHN, GB  
[71] BLACKBERRY LIMITED, CA

[85] 2017-12-14  
[86] 2016-06-27 (PCT/CA2016/050755)  
[87] (WO2017/004699)  
[30] US (14/794,195) 2015-07-08

[21] **2,989,462**  
[13] A1

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

[25] EN

[54] **SYSTEM AND METHOD FOR GENERATING AN ELECTRONIC PAGE**

[54] **SYSTEME ET PROCEDE DE GENERATION DE PAGE ELECTRONIQUE**

[72] LAYS, TANGUY, CA  
[71] TYLIO INC., CA

[85] 2017-12-14  
[86] 2016-06-16 (PCT/CA2016/050698)  
[87] (WO2016/201571)  
[30] US (62/181,601) 2015-06-18

[21] **2,989,465**  
[13] A1

[51] **Int.Cl. B05B 3/06 (2006.01) B08B 9/032 (2006.01) B08B 13/00 (2006.01) E21B 37/00 (2006.01)**

[25] EN

[54] **VORTEX-GENERATING WASH NOZZLE ASSEMBLIES**

[54] **ENSEMBLES BUSE DE LAVAGE GENERANT UN VORTEX**

[72] VANDER VELDE, SCOTT, CA  
[71] VOLKREN CONSULTING INC., CA

[85] 2017-12-14  
[86] 2016-06-27 (PCT/CA2016/050751)  
[87] (WO2016/205956)  
[30] US (62/185,331) 2015-06-26

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[21] **2,989,467**  
[13] A1  
[51] **Int.Cl. H02J 13/00 (2006.01) G01R 31/08 (2006.01)**  
[25] EN  
[54] **EARLY WARNING METHOD AND SYSTEM FOR FAILURE IN CONVERTER VALVE**  
[54] **PROCEDE ET SYSTEME D'AVERTISSEMENT DE DEFAILLANCE DE SOUPEPE DE CONVERTISSEUR**  
[72] GAO, SHENGFU, CN  
[72] FANG, TAIXUN, CN  
[72] WANG, YONGPING, CN  
[72] ZHANG, XIANG, CN  
[72] PAN, WEIMING, CN  
[72] YUAN, MING, CN  
[72] ZHOU, GUQING, CN  
[71] NR ELECTRIC CO., LTD, CN  
[71] NR ENGINEERING CO., LTD, CN  
[85] 2017-12-14  
[86] 2017-03-01 (PCT/CN2017/075367)  
[87] (WO2017/148396)  
[30] CN (201610123470.6) 2016-03-03

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[21] **2,989,514**  
[13] A1  
[51] **Int.Cl. G06F 11/34 (2006.01) G06F 11/30 (2006.01)**  
[25] FR  
[54] **METHOD AND SYSTEM FOR AIDING MAINTENANCE AND OPTIMIZATION OF A SUPERCOMPUTER**  
[54] **PROCEDE ET SYSTEME D'AIDE A LA MAINTENANCE ET A L'OPTIMISATION D'UN SUPERCALCULATEUR**  
[72] PELLETIER, BENOIT, FR  
[72] BELLINO, JULLIAN, FR  
[71] BULL SAS, FR  
[85] 2017-12-14  
[86] 2016-11-24 (PCT/EP2016/078714)  
[87] (WO2017/089485)  
[30] FR (1561465) 2015-11-27

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[21] **2,989,474**  
[13] A1  
[51] **Int.Cl. C07K 16/24 (2006.01) C07K 16/28 (2006.01)**  
[25] EN  
[54] **HETERO-DIMERIC MULTI-SPECIFIC ANTIBODY FORMAT**  
[54] **FORMAT D'ANTICORPS HETERODIMERES MULTISPECIFIQUES**  
[72] MEYER, SEBASTIAN, CH  
[72] URECH, DAVID, CH  
[71] NUMAB INNOVATION AG, CH  
[85] 2017-12-14  
[86] 2016-06-15 (PCT/EP2016/001002)  
[87] (WO2016/202457)  
[30] EP (15001758.0) 2015-06-15

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[21] **2,982,695**  
[13] A1

[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/13 (2014.01) H04N 19/186 (2014.01)**

[25] EN

[54] **IMAGE INFORMATION ENCODING AND DECODING METHOD**

[54] **METHODE DE CODAGE ET DE DECODAGE DE DONNEES IMAGES**

[72] PARK, SEUNG WOOK, KR  
[72] LIM, JAE HYUN, KR  
[72] KIM, JUNG SUN, KR  
[72] PARK, JOON YOUNG, KR  
[72] CHOI, YOUNG HEE, KR  
[72] JEON, BYEONG MOON, KR  
[72] JEON, YONG JOON, KR  
[71] LG ELECTRONICS INC., KR  
[22] 2011-12-16  
[41] 2012-12-27  
[62] 2,840,476  
[30] US (61/500,617) 2011-06-24

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[21] **2,984,218**  
[13] A1

[51] **Int.Cl. C07K 5/107 (2006.01) C07K 14/72 (2006.01)**

[25] EN

[54] **ADVANTAGEOUS SALTS OF MU-OPIATE RECEPTOR PEPTIDES**

[54] **SELS AVANTAGEUX DE PEPTIDES DES RECEPTEURS OPIOIDES MU**

[72] MAIONE, THEODORE E., US  
[71] CYTOGEL PHARMA, LLC, US  
[22] 2008-12-15  
[41] 2009-06-18  
[62] 2,707,733  
[30] US (61/007,617) 2007-12-13

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[21] **2,987,102**  
[13] A1

[51] **Int.Cl. C40B 30/06 (2006.01) C12N 5/078 (2010.01) C12Q 1/00 (2006.01) C12Q 1/02 (2006.01) C12Q 1/70 (2006.01) C40B 40/02 (2006.01)**

[25] EN

[54] **SCREENING SYSTEM**

[54] **SYSTEME DE DEPISTAGE**

[72] FLETCHNER, JESSICA, US  
[72] GIERAHN, TODD, US  
[71] GENOCEA BIOSCIENCES, INC., US  
[22] 2009-07-01  
[41] 2010-01-07  
[62] 2,728,927  
[30] US (61/077,323) 2008-07-01

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[21] **2,987,348**  
[13] A1

[51] **Int.Cl. B65G 15/08 (2006.01) B65G 21/20 (2006.01) B65G 41/00 (2006.01)**

[25] EN

[54] **SEALING BELT CONVEYORS AGAINST PRODUCT LEAKAGE**

[54] **ETANCHEISATION DE TRANSPORTEURS A COURROIE CONTRE LA FUITE DE PRODUIT**

[72] TRATCH, JAIME NOLIN, CA  
[71] BRANDT AGRICULTURAL PRODUCTS LTD., CA  
[22] 2016-06-09  
[41] 2017-12-09  
[62] 2,932,673

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[21] **2,988,244**  
[13] A1

[51] **Int.Cl. B27C 1/12 (2006.01)**

[25] EN

[54] **SYSTEMS, METHODS, AND APPARATUSES FOR CHANGING THE DIRECTION/SPEED OF A WORKPIECE**

[54] **SYSTEMES, PROCEDES, ET APPAREILS POUR MODIFIER LA DIRECTION OU LA VITESSE D'UNE PIECE**

[72] SAASTAMO, PETRI, US  
[72] BLOMQUIST, CHRISTOPHER W., US  
[72] DOCKTER, MIKE, US  
[71] USNR/KOCKUMS CANCAR COMPANY, US  
[22] 2013-11-21  
[41] 2014-01-30  
[62] 2,950,236  
[30] US (61/729,299) 2012-11-21  
[30] US (61/802,096) 2013-03-15

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[21] **2,988,348**  
[13] A1

[51] **Int.Cl. B07B 1/28 (2006.01)**

[25] EN

[54] **METHOD AND APPARATUSES FOR SCREENING**

[54] **SYSTEME D'AMEUBLEMENT PRET A ASSEMBLER**

[72] WOJCIECHOWSKI, KEITH F., US  
[72] NEWMAN, CHRISTIAN, US  
[71] DERRICK CORPORATION, US  
[22] 2008-02-27  
[41] 2008-09-25  
[62] 2,861,864  
[30] US (11/726589) 2007-03-21

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[21] **2,988,655**  
[13] A1

[51] **Int.Cl. E21B 19/10 (2006.01)**  
[25] EN  
[54] **DOWNHOLE TOOL HAVING SLIP INSERTS COMPOSED OF DIFFERENT MATERIALS**  
[54] **OUTIL DE FOND DE TROU COMPORTANT DES INSERTIONS COULISSANTES COMPOSEES DE DIFFERENTS MATERIAUX**  
[72] WIESE, STEPHEN J., US  
[72] YOUNG, JONATHAN A., US  
[72] ROCHEN, JAMES A., US  
[72] STAGE, MATTHEW, US  
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[22] 2014-02-10  
[41] 2014-08-12  
[62] 2,842,373  
[30] US (61/763718) 2013-02-12

[21] **2,988,753**  
[13] A1

[51] **Int.Cl. A61M 37/00 (2006.01) A61M 5/168 (2006.01) A61M 5/48 (2006.01)**  
[25] EN  
[54] **METHODS AND DEVICES FOR DESMOPRESSIN DRUG DELIVERY**  
[54] **PROCEDES ET DISPOSITIFS POUR L'ADMINISTRATION DE MEDICAMENT DESMOPRESSINE**  
[72] HERSCHKOWITZ, SAMUEL, US  
[72] FEIN, SEYMOUR, US  
[71] SERENITY PHARMACEUTICALS, LLC, US  
[22] 2008-08-06  
[41] 2009-02-12  
[62] 2,695,634  
[30] US (60/954,159) 2007-08-06

[21] **2,988,857**  
[13] A1

[51] **Int.Cl. B31F 1/20 (2006.01) B31F 1/22 (2006.01) B65H 37/06 (2006.01)**  
[25] EN  
[54] **METHOD AND APPARATUS FOR FLUTING A WEB IN THE MACHINE DIRECTION**  
[54] **PROCEDE ET APPAREIL POUR CANNELER UNE BANDE DANS LA DIRECTION DE LA MACHINE**  
[72] KOHLER, HERBERT B., US  
[71] HBK FAMILY, LLC, US  
[22] 2013-10-30  
[41] 2014-05-08  
[62] 2,889,992  
[30] US (61/721,079) 2012-11-01

[21] **2,988,893**  
[13] A1

[51] **Int.Cl. C09K 8/035 (2006.01) E21B 33/138 (2006.01)**  
[25] EN  
[54] **LOST CIRCULATION MATERIAL WITH A MULTI-MODAL LARGE PARTICLE SIZE DISTRIBUTION**  
[54] **MATERIAU DE PERTE DE CIRCULATION A GRANDE REPARTITION DE TAILLE DE PARTICULE MULTIMODALE**  
[72] MILLER, MATTHEW L., US  
[72] WHITFILL, DONALD L., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[22] 2013-07-29  
[41] 2014-02-06  
[62] 2,880,524  
[30] US (13/536,519) 2012-07-31

[21] **2,988,900**  
[13] A1

[51] **Int.Cl. A61C 17/02 (2006.01) A61C 5/42 (2017.01) A61C 3/03 (2006.01) A61C 17/06 (2006.01)**  
[25] EN  
[54] **ULTRASONIC TIP ASSEMBLY**  
[54] **ENSEMBLE POINTE ULTRASONORE**  
[72] MAXWELL, RANDALL, US  
[72] WILKINSON, KEVIN, US  
[71] DENTSPLY INTERNATIONAL INC., US  
[22] 2014-01-24  
[41] 2014-07-31  
[62] 2,896,344  
[30] US (61/756,253) 2013-01-24

[21] **2,988,939**  
[13] A1

[51] **Int.Cl. F23L 7/00 (2006.01) F23G 5/50 (2006.01) F23N 3/00 (2006.01)**  
[25] EN  
[54] **OXYGEN ENHANCED COMBUSTION OF BIOMASS**  
[54] **COMBUSTION DE BIOMASSE ACCRUE PAR L'OXYGENE**  
[72] KOBAYASHI, HISASHI, US  
[72] BOOL, LAWRENCE E., III, US  
[71] PRAXAIR TECHNOLOGY, INC., US  
[22] 2011-10-31  
[41] 2012-05-18  
[62] 2,817,209  
[30] US (61/412119) 2010-11-10

[21] **2,988,943**  
[13] A1

[51] **Int.Cl. E21B 33/12 (2006.01)**  
[25] EN  
[54] **CONTROLLED SWELL-RATE SWELLABLE PACKER AND METHOD**  
[54] **GARNITURE D'ETANCHEITE CAPABLE DE GONFLER A VITESSE DE GONFLEMENT REGULEE ET PROCEDE ASSOCIE**  
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[72] HINKE, JENS, DK  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[22] 2013-10-03  
[41] 2014-04-24  
[62] 2,888,532  
[30] US (61/714,653) 2012-10-16

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VINCE, LAWRENCE D.	2,901,420	WILLIAMS, MARK R.	2,907,981	YASUTA, NOBUYOSHI	2,925,739
VIOLA, FRANK	2,892,299	WILLIAMS, RICHARD O.	2,907,981	YAWORSKI, HARRY GEORGE	2,905,245
VIOLAGIS, CONSTANTINE	2,337,760	WILLIAMSON, BOBBY L.	2,887,010	YE, MICHAEL	2,769,773
VITAMERICA UG (HAFTUNGSBESCHRANK T)	2,890,721	WILLIAMSON, RICHARD	2,893,513	YE, NENGCHUAN	2,908,981
VITANOV, KAMEN	2,752,860	WILSON, DANIEL	2,733,199	YE, YINGCHUN	2,864,672
VOESTALPINE TUBULARS GMBH & CO KG	2,748,046	WINFORD, GARRETT W.	2,940,147	YE, ZACHARY	2,895,017
VOGRIG, JOSEPH	2,855,750	WING, GREGORY T.	2,775,580	YELLOWJACKET, INC.	2,843,458
VOLVO CONSTRUCTION EQUIPMENT AB	2,916,061	WINKELS, SEBASTIAN	2,901,037	YENGOYAN, LEON	2,760,420
VOSS, KLAUS-WILHELM	2,786,514	WIRTGEN GMBH	2,901,037	YEOLE, RAVINDRA DATTATRAYA	2,902,422
VOSSCHEMIE GMBH	2,786,514	WM. WRIGLEY JR. COMPANY	2,842,745	YONKER, CLEMENT R.	2,748,273
VULCO S.A.	2,706,109	WOCKHARDT LIMITED	2,902,422	YOSHIKAWA, MASATO	2,952,367
WABTEC HOLDING CORP.	2,825,840	WOEHR, KEVIN	2,899,744	YOSHIMOTO, TAKASHI	2,803,909
WALLACE, LOUISE	2,703,975	WOISETSCHLAEGER, MAXIMILIAN	2,721,614	YOSHIMURA, KAZUNORI	2,924,948
WALSER, HANSPETER	2,858,282	WOJCIECHOWSKI, KEITH F.	2,861,864	YOU, DI	2,902,523
WALSH, JOHN	2,741,036	WOJTECH, ROLF	2,875,740	YOUNG, JOSHUA K.	2,715,564
WANG, JIANLIN	2,912,308	WOLFE, HENRY R.	2,922,021	YOUNGS, DANIEL J.	2,820,626
WANG, RUIZHENG	2,962,763	WOLLE, LUTZ	2,735,681	YU, RONGDAO	2,914,269
WANI, DATTATRAYA VITTHAL	2,902,422	WOLSFELD, ALFRED	2,891,617	YU, ZHONGWEI	2,819,048
WATANABE, MASAHIKO	2,789,310	WONG, TZU-TSHIN	2,864,672	YUE, XILIAN	2,665,568
WATTERS, ROB	2,843,717	WONG, YISHAN	2,703,851	YUEN, DEBBIE	2,747,362
WAWRO, DEBRA D.	2,663,160	WOOD, CHRISTOPHER WOODSTREAM CORPORATION	2,891,819	ZAISS, VIT	2,896,540
WEATHERFORD TECHNOLOGY HOLDINGS, LLC	2,880,558	WORLEY, MICHAEL	2,725,229	ZELAZNY, PAUL F.	2,905,704
WEBASTO SE	2,899,596	WORONOWICZ, KONRAD	2,781,993	ZELIG, YEHUDA	2,906,273
WEBER, JOSEPH P.	2,945,071	WOZNAK-KNOPP, GORDANA	2,721,614	ZENERE, SERGIO	2,934,179
WEIDMUELLER INTERFACE GMBH & CO. KG	2,938,382	WRIGHT, DAVID HOWELL	2,556,697	ZHAI, HUIQING	2,914,269
WEIN, MICHAEL	2,740,026	WRIGHT, GEORGE E.	2,772,907	ZHANG, HAIMING	2,700,835
WEIR, GENEVIEVE MARY	2,723,918	WRIGHT, JOHN A.	2,894,945	ZHANG, HAIYING	2,761,934
WEISMAN, SARAH	2,624,667	WRIGHT, LONDON	2,737,166	ZHANG, HUAWEI	2,934,829
WEISS, MARKUS	2,898,080	WU, CHENGSHANG	2,880,670	ZHANG, JIANMIN	2,720,820
WEIST, EDWARD LANDIS, JR.	2,926,669	WU, JUNXIAO	2,926,669	ZHANG, JINBING	2,908,981
WELLER, HORST	2,890,299	WULFF, THOMAS E.	2,858,849	ZHANG, XIN	2,832,795
WELLS, GEORGE	2,693,416	WYETH LLC	2,743,708	ZHANG, YIFEI	2,880,670
WELLTEC A/S	2,768,753	WYLD, JEREMY A.	2,893,513	ZHANG, YOUMING	2,377,938
WELLTEC A/S	2,773,275	WYROBNIK, DANIEL HENRY	2,890,721	ZHANG, YUANPENG	2,834,968
WELLTEC A/S	2,785,939	WYROBNIK, ISAAC HARRY	2,890,721	ZHANG, ZHENGYU	2,912,275
WELZ, GUENTER	2,781,557	XIAO, WEIHONG	2,803,456	ZHANG, ZHENGYU	2,912,301
WENGER, MARK	2,880,029	XIE, GUOQING	2,803,456	ZHANG, ZHENGYU	2,912,308
WERNER, MICHAEL	2,899,332	XPED HOLDINGS PTY LTD	2,756,369	ZHEJIANG TOPSUN LOGISTIC CONTROL CO., LTD.	2,920,170
WERY, XAVIER	2,725,238	XRS CORPORATION	2,823,078	ZHEN, XINPING	2,841,020
WEST, DAVID WOODRUFF	2,768,205	XU, HUA	2,848,517	ZHONG, CATHY XIAOYAN	2,715,564
WESTERMAN, WAYNE C.	2,893,513	XU, HUIWEN	2,880,670	ZHOU, JIANJUN	2,934,829
WESTHEIM, RAYMOND JOZEF HUBERTUS	2,600,541	XU, LONGYA	2,748,257	ZHOU, JIANSHENG	2,770,487
WHINNEY, JAMES FREDERICK CARNAC	2,892,210	XU, MINGFENG	2,934,829	ZHOU, XUE-RONG	2,630,173
WHITE, GERARD	2,846,358	XU, WEI-CHU	2,772,907	ZHU, JOURNEY LU	2,822,874
WHITE, JAY D.	2,914,032	YALE, DAVID P.	2,912,275	ZICKELL, THOMAS J.	2,728,709
WHITE, LARRY	2,758,125	YALE, DAVID P.	2,912,301	ZIMMERMANN, ASTRID	2,719,544
WHITESITT, JOHN W.	2,720,820	YALE, DAVID P.	2,912,308	ZOETIS SERVICES LLC	2,878,867
WHITLEY, ROGER DEAN	2,926,669	YAMAMOTO, SHINICHI	2,791,520	ZOSS, ADAM BRIAN	2,874,468
WHITNAH, THOMAS S.	2,932,385	YAMANAKA, SHINYA	2,695,590	ZOSS, ROBERT A.	2,746,122
WILDGOOSE, JASON LEE	2,681,892	YAMAZAKI, TAKAYUKI	2,873,936	ZUCKERBERG, MARK E.	2,703,851
WILES, RICHARD KELLY	2,941,431	YAN, LAIBIN BRUCE	2,783,245		
WILLETT, KENNETH R.	2,913,527	YANG, FANG	2,774,712		
		YANG, RONGZHEN	2,861,484		
		YANG, SEUNGRYUL	2,900,485		
		YANG, YONGYONG	2,822,874		
		YAO, QUANXING	2,909,500		
		YARBRO, STEPHEN LEE	2,846,857		
		YARDIMCI, ATIF M.	2,801,090		
		YARMUSH, MARTIN L.	2,713,352		

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ACCENTURE GLOBAL SOLUTIONS LIMITED	2,945,452	BOLLEGRAAF PATENTS AND BRANDS B.V.	2,971,914	CONFLUENCE OUTDOOR, LLC	2,971,957
ACCENTURE GLOBAL SOLUTIONS LIMITED	2,956,207	BORENSTEIN, DAVID F.	2,971,649	CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	2,969,978
ADAIR, NEAL L.	2,983,541	BORGYS, SZABOLCS ANDRAS	2,971,468	COOKTEK INDUCTION SYSTEMS, LLC	2,971,781
ADAMIAK, MARK GERARD	2,971,025	BORK, TORALF	2,971,816	COOPER, MARK	2,961,547
AG 18, LLC	2,960,000	BORK, TORALF	2,971,977	CORBEIL, JEAN-FRANCOIS	2,935,348
AGARWAL, PRANAV	2,972,084	BOSSMEYER, JENS	2,968,233	CORRIGAN, KEVIN SYLVESTER	2,945,454
AGATSUMA CO., LTD.	2,983,501	BOZARTH, TROY	2,971,803	CORRIGAN, KEVIN SYLVESTER	2,972,322
AGATSUMA CO., LTD.	2,983,503	BRACY, GARTH H.	2,971,780	COSSON, MICKAEL	2,969,686
AIRBUS HELICOPTERS	2,969,992	BRADEN, BEN	2,948,028	CRABTREE, STEFAN	2,972,404
AIRBUS HELICOPTERS	2,971,789	BRAY, JAMES WILLIAM	2,971,027	CRESS, STEVEN N.	2,962,692
ALBRIGHT, ANDREA	2,968,576	BRUKER DALTONICS, INC.	2,968,233	CRUZ-SALDIVAR, ADRIAN	2,968,169
ALFORD, MALCOLM LLOYD	2,968,798	BSH HAUSGERATE GMBH	2,948,028	CUI, ALBERT	2,971,803
ALLEGRETTI, C. JOHN	2,945,454	BSH HOME APPLIANCES CORPORATION	2,948,028	DA DEPPO, LYNN D.	2,971,936
ALLEGRETTI, C. JOHN	2,972,322	BUCKINGHAM MANUFACTURING CO., INC.	2,972,184	DAME, DENNIS	2,972,404
ALMARAZ, VICTOR ANTHONY, II	2,972,217	BULT, JEFFREY RUSSELL	2,971,468	DAUSOA, SACHEEN	2,971,967
ALPARIS, S.A. DE C.V.	2,972,156	BUNN, DEREK	2,934,238	DAVIS, PETER J.	2,971,987
ALSTOM TRANSPORT TECHNOLOGIES	2,971,967	BUREAU, MARTIN	2,970,381	DEEN, CARL ARON	2,971,926
ALSTOM TRANSPORT TECHNOLOGIES	2,972,087	BURNSIDE, BETH A.	2,972,220	DEKATE, SACHIN N.	2,971,025
AMADI, LAURA	2,934,175	CACTUS WELLHEAD, LLC	2,970,623	DELADRIERE, MATHIEU	2,966,434
AMAYA, KOUICHI	2,973,456	CANFIELD, DEFOREST	2,972,184	DEPUY SYNTHES PRODUCTS, INC.	2,971,816
AMBROSINO, JEAN-LOUIS	2,971,959	CARBONE, MICHAEL	2,972,108	DEPUY SYNTHES PRODUCTS, INC.	2,971,977
AMERICAN PILEDRIVING EQUIPMENT, INC.	2,962,692	CARTEE, SHANNON DALE	2,968,182	DESHPANDE, AMEET SHRIDHAR	2,972,084
ANOSZKO, THOMAS J.	2,971,987	CASSIDY, JASON	2,972,052	DEWALD, D. SCOTT	2,971,817
ARROWS UP, LLC	2,945,454	CASTILLO-EFFEN, MAURICIO	2,971,468	DIEHL AEROSPACE GMBH	2,970,435
ARROWS UP, LLC	2,972,322	CAULFEILD, STEPHEN	2,968,959	DIMILLO, TONY	2,934,141
AUBUCHON, BENJAMIN	2,971,622	CERTAIN, NICOLAS	2,971,789	DIMILLO, TONY	2,975,614
AVA, INC.	2,972,248	CHAGANTI, KALYANI	2,971,622	DION, JEAN	2,935,058
BAILIE, WILLIAM C.	2,934,346	CHAKROBORTY, ARJUN	2,972,248	DISPOSERX, INC.	2,972,220
BALTES, ALEX M.	2,971,780	CHARBONNEAU, ANNE N.	2,959,244	DOMINGUEZ CHAVEZ, JORGE GUILLERMO	2,972,156
BATH AUTHORITY LLC DBA DREAMLINE	2,955,044	CHASE, JEFFREY	2,972,404	DOO, RACHEL	2,934,175
BATTELLE MEMORIAL INSTITUTE	2,961,648	CHEKT LLC	2,934,598	DORAISWAMY, SRIRAM	2,983,541
BAUER HOCKEY CORP.	2,935,348	CHEREWYK, BORIS (BRUCE) P.	2,972,007	DOWNEY, JOSEPH M.	2,971,989
BAUER, TINA	2,971,458	CHERVON (HK) LIMITED	2,972,042	DROVER, JONATHAN	2,971,715
BAXENDELL, DOUG JOHN	2,971,034	CHIEN, YUAN-CHENG	2,943,968	DURAND, MARC-ANTOINE	2,983,986
BEAUREGARD, CLAUDE	2,983,986	CHOKHAWALA, RAHUL SHANTILAL	2,971,027	DURECT CORPORATION	2,972,296
BELANGER, MARLIN	2,933,915	CHOKRI, JEBALI	2,972,235	DURKIN, STEVEN PETER	2,972,074
BENNING, KEVIN	2,964,260	CHOUINARD, ANDREW R.	2,934,463	ECOLE DE TECHNOLOGIE SUPERIEURE	2,972,235
BENT, ETHAN CURTIS STEPHEN	2,966,230	CNH INDUSTRIAL CANADA, LTD.	2,944,058	ELENIAC, DARCY	2,935,572
BERKCAN, ERTUGRUL	2,971,025	CNH INDUSTRIAL CANADA, LTD.	2,966,230	ELLIOTT, DOUGLAS C.	2,961,648
BERRY PLASTICS CORPORATION	2,971,930	CNH INDUSTRIAL CANADA, LTD.	2,966,695	ENGEL, GORD	2,966,695
BHAT, VINAYAK	2,971,715	COLLIGNON, FABRICE	2,972,087	ENGLERT, TRAVIS JAMES	2,972,352
BIELEFELDT, JOSEPH M.	2,972,108	COLSON, WENDELL B.	2,956,655	EROWA AG	2,965,109
BILON, BRETT	2,935,157	COMEAU, WAYNE	2,934,213	ETHICON, INC.	2,971,976
BILON, LAUREN JEAN	2,935,157	COMPOSITE SOLUTIONS, INC.	2,972,404		

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EVONIK DEGUSSA GMBH	2,971,458	GUERRERO, MARGARITO	2,972,322	JOHNSON & JOHNSON	
EVONIK ROHM GMBH	2,972,107	GUILLOU, FLORENT	2,971,959	VISION CARE, INC.	2,971,624
EXXONMOBIL UPSTREAM RESEARCH COMPANY	2,983,541	GULO, EROS	2,983,540	JOHNSON & JOHNSON	
EYESMATCH LTD.	2,963,108	GURSEL, BURAK	2,934,361	VISION CARE, INC.	2,971,817
FABRIZIUS, MARTIN A.	2,983,748	HACI, MARC	2,972,059	JOHNSON, TIM	2,971,504
FALAK, IGOR	2,948,060	HADI, MAHMOUD	2,970,224	JOSLYN, ROBERT	2,971,813
FALAK, IGOR	2,948,062	HAGEL, GERALD W.	2,934,361	KALINOWSKI, DANE GIN	
FALAK, IGOR	2,983,862	HALLEN, RICHARD T.	2,961,648	MUN	2,972,352
FALAK, IGOR	2,983,877	HALLIWELL, BRIAN	2,971,917	KALVIG, ANDREA BETH	2,983,748
FEIT ELECTRIC COMPANY, INC.	2,971,917	HALLMARK CARDS, INCORPORATED	2,947,047	KAMAL, EHAB	2,971,936
FIGUEIRA, ROMEU RODRIGUES	2,945,452	HAMILTON SUNDSTRAND CORPORATION	2,972,108	KARCHER, BRIAN	2,971,957
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FLEURENT, RICHARD	2,983,986	HART, TODD R.	2,961,648	KEARNEY, ALAN J.	2,935,179
FLITSCH, FREDERICK A.	2,971,624	HARTLEY, JOSEPH PETER	2,971,329	KENNY, ANDREW	2,935,588
FLOYD, MATTHEW	2,968,182	HARTMANN, PATRIK	2,972,107	KERRIGAN, DARREN W.	2,931,908
FOERSTNER, CEDRIC		HARWARDT, EDUARD	2,970,435	KIDDE TECHNOLOGIES, INC.	2,971,034
TOLLIVER (TOLLY)	2,935,918	HASHEMI, HAMID R.	2,959,244	KLAASSEN, GERRIT JOHAN	2,971,914
FOERSTNER, CORA CELINE	2,935,918	HAYDU, JOSEPH	2,971,696	KLEANCASE CORP.	2,972,069
FOERSTNER, GINGER NISHA	2,935,918	HEDIGER, HANS	2,965,109	KLEIN, MICHAEL K.	2,968,131
FOERSTNER, GUDRUN HANNE	2,935,918	HEDRICK, ROBERT W.	2,970,896	KLEKOTKA, JOSEPH M.	2,962,692
FORD, DARRELL	2,971,924	HEDRICK, ROBERT W.	2,970,902	KLIMKER-ROSEN, IDIT	2,983,477
FOUARD, JEAN-MICHEL I.	2,966,687	HELMY, AMR SAHER	2,971,893	KNOBLAUCH, THOMAS	2,967,575
FOUCAULT, DANIEL R.	2,934,713	HERAUD, JOEL	2,970,381	KOBYLKA, KEVIN RICHARD	2,968,174
FQE CHEMICALS INC.	2,934,208	HERNANDEZ ILLESCAS, JAVIER	2,972,156	KOS, DUSTIN	2,933,915
FRANK, BENJAMIN	2,972,100	HERRERA RUIZ, DEA	2,972,156	KOSZALKA, STEPHEN	2,971,468
FRASURE, DAVID WILLIAM	2,971,034	HEUER, WESTON	2,964,260	KOUK, AMMAR	2,972,235
FREDERICK, LAWRENCE J.	2,934,309	HIRAM (WA) PTY LTD	2,972,074	KOWALCHUK, TREVOR	2,966,695
FRENKEL, BRIAN	2,960,000	HOEPLF, HERBERT	2,972,156	KRASHENINNIK, NADIA NIKOLAYEVNA	2,983,748
FUJIOKA, TSUYOSHI	2,969,727	HOLADAY, JOHN W.	2,972,220	KRILL, STEFFEN	2,972,107
FUJIOKA, TSUYOSHI	2,969,732	HOLROYD, JAMES A.	2,971,780	KUHN-AUDUREAU SA	2,969,686
FUJIOKA, TSUYOSHI	2,969,737	HONEYWELL INTERNATIONAL INC.	2,971,586	KUNA, JEFFREY JAMES	2,971,812
FUJIOKA, TSUYOSHI	2,969,742	HONNORAT, OLIVIER	2,969,992	KUNA, JEFFREY JAMES	2,971,821
FUJIOKA, TSUYOSHI	2,969,747	HOUCK, JOEL M.	2,934,361	KUNA, JEFFREY JAMES	2,971,822
FUJIOKA, TSUYOSHI	2,969,752	HU, NAN-XING	2,970,896	LABONTE, IVAN	2,935,348
GAGNON, GILLES	2,970,381	HU, NAN-XING	2,970,902	LAFERRIERE, JASMIN G.	2,971,817
GAMAGE, CHAMINDA M.	2,968,233	HUBERMAN, SEAN	2,983,540	LAI, VICTOR	2,959,244
GENERAL ELECTRIC COMPANY	2,971,025	HUF NORTH AMERICA AUTOMOTIVE PARTS MANUFACTURING CORP.	2,971,936	LAMINATED WOOD SYSTEMS, INC.	2,968,026
GENERAL ELECTRIC COMPANY	2,971,027	HUNTER DOUGLAS INC.	2,956,655	LAPP, JUDY	2,968,576
GENERAL ELECTRIC COMPANY	2,971,468	HUNTER DOUGLAS INC.	2,971,989	LAUN, LYLE	2,971,504
GENERAL ELECTRIC COMPANY	2,972,084	HURON VALLEY STEEL CORPORATION	2,971,622	LAWLER, RONALD PORTER	2,968,169
GEOSAF, INC.	2,935,058	HUSKY OIL OPERATIONS LIMITED	2,934,309	LAWLER, RONALD PORTER	2,968,174
GHIA, AJAY J.	2,970,813	HUTCHENS, JASON	2,971,813	LAWLER, RONALD PORTER	2,968,182
GIESE, WILLIAM R.	2,965,069	IFP ENERGIES NOUVELLES	2,971,959	LEBEAU, THOMAS	2,935,058
GLOVER, KENNETH	2,971,803	ILLINOIS TOOL WORKS INC.	2,965,069	LECLAIR, FRANCIS	2,983,986
GOLLINUCCI, GIACOMO	2,972,046	IMPERIAL OIL RESOURCES LIMITED	2,983,541	LECLERC, PASCAL	2,983,986
GOMES DE ALMEIDA, RICARDO ANDRE SANTOS	2,945,452	INFINEUM INTERNATIONAL LIMITED	2,971,329	LEGIC IDENTSYSTEMS AG	2,967,575
GRABER, WARREN S.	2,971,781	ISHIMOTO, KOUSUKE	2,973,456	LENNOX INDUSTRIES INC.	2,968,798
GRANT, KEVIN A.	2,967,789	ISOLATION EQUIPMENT SERVICES INC.	2,972,007	LI, JOHNNY JL	2,934,232
GRZEIKA, MARK	2,971,819	JACKSON, KEITH A.	2,972,100	LI, XIAOFENG	2,972,677
GUEBENLIAN, OHANNES	2,972,056	JALAGUIER, JEAN-PIERRE	2,969,992	LIANG, KANGNING	2,971,820
GUERRERO, FELIX	2,945,454			LIANG, KANGNING	2,971,821
				LIANG, KANGNING	2,971,822
				LIEB, BRIAN	2,955,044
				LILIENTHAL, ANNEGRET	2,971,458
				LIN, WEI QI	2,972,296
				LIU, LEI	2,963,879
				LIU, SHUANG	2,965,069
				LONG, TED A.	2,983,541
				LOPRESTO, VINCENT R.	2,963,908
				LOPRESTO, VINCENT R.	2,963,913

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