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CIPO OPIC

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.

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.

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Notices

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

Avis

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'indentification 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**).

2. Code des pays

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

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

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

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

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

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

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

4. 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.

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.

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. 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.

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. 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.

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. List of Patents Available for Licence or Sale

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

None

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.

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. 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).

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. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

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

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

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

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 19 février 2019

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

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

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

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*)) **$260**

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

* International fees will be reduced by:

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

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 57.2*a*)) **260 $**

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

Publication date: May 10, 2017
Amendment date: June 17, 2019

On this page:

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

14. Procédures de correspondance

Date de publication : 10 mai 2017
Date de modification : 17 juin 2019

Sur cette page :

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

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

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

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

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

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

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

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

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

Download the Fee Payment Form.

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

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

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

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

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

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and

1.1 Établissements désignés

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

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

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

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

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

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

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

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

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

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

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

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

- Innovation, Sciences et Développement économique Canada
  Édifice C.D. Howe
  235, rue Queen, pièce S-143
  Ottawa (Ontario) K1A 0H5
  Tél. : 343-291-3436

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

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

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

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

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

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

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

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

Tel.: 604-666-5000

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

2. Correspondance électronique

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

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

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

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

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

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

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

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

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

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

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

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

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

2.1 Facsimile

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

2.1 Correspondance par télécopieur

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

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

2.2 Online

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

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent

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

(819) 934-3833

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

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

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

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

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

Brevets

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

2.2 En ligne

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

Brevets

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

electronically by accessing the following pages:

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- registration of a trademark application;

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

pages suivantes :

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

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

Conformément à la Règle 89bis du PCT, l'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

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

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

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

Trademarks Opposition Board's online web application:

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

Copyright

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

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a communication signal;
- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

des marques de commerce.

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

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

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

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

Droits d'auteur

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

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

Industrial Designs

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

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

Dessins industriels

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

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

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

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

Patents

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

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

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

2.3 Supports électroniques

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

Brevets

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

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

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

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.

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.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-

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

Trademarks and Industrial Design

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

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 site using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

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

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

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

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

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

Marques de commerce et dessins industriels

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

3. 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 des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

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

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

Format TIFF

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

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4

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

ASCII

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

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

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

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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.

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.

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

In case of unforeseen circumstances, CIPO will attempt to

6. Procédures en cas de fermeture des bureaux

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Patents, Industrial Design, Copyright and Integrated Circuit Topography

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

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

Trademarks

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

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

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

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

Marques de commerce

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

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

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

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of October 22, 2019 contains applications open to public inspection from October 6, 2019 to October 12, 2019.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 22 octobre 2019 contient les demandes disponibles au public pour consultation pour la période du 6 octobre 2019 au 12 octobre 2019.

Canadian Patents Issued

October 22, 2019

Brevets canadiens délivrés

22 octobre 2019

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[54] **SYSTEME ET PROCEDE OPTIMISES DESTINES A TROUVER LES MEILLEURS TARIFS**
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[72] MAY, DARRELL, CA
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[54] **SYSTEMS, METHODS AND COMPUTER PROGRAM PRODUCTS FOR IMPLEMENTING PROCESSES RELATING TO RETAIL SALES**
[54] **SYSTEMES, PROCEDES ET PROGRAMMES INFORMATIQUES PERMETTANT DE METTRE EN OEUVRE DES PROCESSUS RELATIFS A DES VENTES AU DETAIL**
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[54] **PROCEDE ET SYSTEME DE SUIVI DE BIENS DANS UN RESEAU DE TRANSPORT**
[72] MALLONEE, CYNTHIA F., US
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[25] EN
[54] **EARLY MESODERM CELLS, A STABLE POPULATION OF MESENDODERM CELLS THAT HAS UTILITY FOR GENERATION OF ENDODERM AND MESODERM LINEAGES AND MULTIPOTENT MIGRATORY CELLS (MMC)**
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[72] RADERMACHER, HARALD J. G., NL
[73] PHILIPS LIGHTING HOLDING B.V., NL
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[54] **PROMOTEUR D'ADHESION DESTINE AU REVETEMENT DE SURFACES EN POLYOLEFINES A BASE DE COPOLYMERES DE POLYOLEFINES GREFFEES AVEC DES POLY(METH)ACRYLATES**
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[72] MAUS, STEFANIE, DE
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[54] **COMPOSANTS CONTENANT DES MATERIAUX A BASE DE CERAMIQUE ET REVETEMENTS POUR CES COMPOSANTS**
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[72] HEYWARD, JOHN PETER, US
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[54] **METHODE ET APPAREIL DE TRAITEMENT DE L'ARTICULATION DE LA HANCHE, NOTAMMENT AU MOYEN D'UN NOUVEL INSTRUMENT DE PASSAGE DE SUTURE, ET INSTRUMENT ASSOCIE**
[72] SKINLO, DAVID, US
[72] HENEVELD, SCOTT, US
[72] WEISEL, THOMAS, US
[72] PISARNWONGS, ROGER, US
[73] STRYKER CORPORATION, US
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[54] **PLATEAU DE BOULANGERIE**
[72] MCCANLESS, MARGARET, US
[72] BALTZ, KYLE L., US
[72] RINDFLEISCH, GLENN E., US
[72] HASSELL, JON P., US
[73] REHRIG PACIFIC COMPANY, US
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[54] **ROOM VENT HUMIDIFIER**
[54] **HUMIDIFICATEUR POUR CONDUITE DE VENTILATION D'UNE PIECE**
[72] RODRIGS, JERI, CA
[72] HENDERSON, JAMES, CA
[72] BAILEY, KEVIN J., CA
[73] RODRIGS, JERI, CA
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[54] **COMPTEUR DE CELLULES AUTOMATISE COMPACT**
[72] MCCOLLUM, TOM, US
[72] PATT, PAUL, US
[72] SHEN, FRANK, US
[72] CHU, DANIEL Y., US
[72] FLORY, DON, US
[72] GRIFFIN, MIKE, US
[72] HENG, XIN, US
[72] HEFNER, ELI, US
[73] BIO-RAD LABORATORIES, INC., US
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[54] **MANAGING DATA**
[54] **DONNEES DE GESTION**
[72] HOLDEN, DANIAL E., US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **PATIENT LEAKAGE CURRENT LIMITATION**
[54] **LIMITATION DU COURANT DE FUITE DU PATIENT**
[72] FELDCHTEIN, MIKHAEL, IL
[73] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[87] (2782969)
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[54] **DISPOSITIFS ET METHODES DE REGULATION DECENTRALISEE DU FACTEUR DE PUISSANCE**
[72] MILOSEVIC, BORKA, US
[72] DU TOIT, WILLEM HENDRIK, CA
[72] VUKOJEVIC, ALEKSANDAR, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **DISPOSITIFS ET METHODES DE REGULATION DECENTRALISEE DE LA TENSION**
[72] MILOSEVIC, BORKA, US
[72] DU TOIT, WILLEM HENDRIK, CA
[72] VUKOJEVIC, ALEKSANDAR, US
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[54] **DISPOSITIF POUR LA MESURE DE DONNEES INDIVIDUELLES D'ANIMAUX DE FERME**
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[72] FALLAST, MARIO, AT
[73] SMAXTEC ANIMAL CARE GMBH, AT
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[54] **SYSTEME D'ALIMENTATION EN LIQUIDE POUR UN DISPOSITIF DE PULVERISATION A ALIMENTATION PAR GRAVITE**
[72] SHKOLNIKOV, YURY, US
[72] GOSIS, ANATOLY, US
[72] CHARPIE, MARK E., US
[72] BURNS, MARVIN D., US
[73] ILLINOIS TOOL WORKS INC., US
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[54] **APPARATUS FOR COVERING A FEEDING APERTURE OF AN ANIMAL SHELTER AND AN ANIMAL SHELTER**
[54] **APPAREIL POUR COUVRIR UNE OUVERTURE D'ALIMENTATION D'UN ABRI POUR ANIMAL ET UN ABRI POUR ANIMAL**
[72] PITKARANTA, JOUNI, FI
[73] ARKKITEHTITOIMISTO JOUNI PITKARANTA OY, FI
[86] (2788300)
[87] (2788300)
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[54] **SYSTEME DE NUMEROS PERSONNELS AUTORISES**
[72] GONGAWARE, GRANT, US
[72] O'NEIL, KEVIN, US
[72] TORGERSRUD, RICHARD, US
[72] KRAUSS, KEVIN E., US
[72] GARCIA, NICOLAS A., US
[72] COLLINS, MORGAN J., US
[73] INTELMATE LLC, US
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[54] **INHIBITEURS DE KINASE CDC7 ET LEURS UTILISATIONS**
[72] FRATTINI, MARK G., US
[72] DJABALLAH, HAKIM, US
[72] KELLY, THOMAS J., US
[73] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
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[54] **ALPHA-GALACTOSIDASE STABILISEE ET SES APPLICATIONS**
[72] SHULMAN, AVIDOR, IL
[72] RUDERFER, ILYA, IL
[72] BEN-MOSHE, TEHILA, IL
[72] SHEKHTER, TALIA, IL
[72] AZULAY, YANIV, IL
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[72] KIZHNER, TALI, IL
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[54] **ETIQUETTE D'IDENTIFICATION RADIOFREQUENCE RENFORCEE**
[72] CASDEN, MARTIN S., US
[73] SOUNDCRAFT, INC., US
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[54] **COMPOSITIONS AGONISTES/ANTAGONISTES ET LEURS METHODES D'UTILISATION**
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[72] PEARCE, LARRY V., US
[73] GOVERNMENT OF THE USA, AS REPRESENTED BY THE SEC., DEPT. OF HEALTH AND HUMAN SERVICES, US
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[54] **APPAREIL DE REMPLACEMENT DE L'EPAULE**
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[73] GREGORY, THOMAS MAURICE STEWART, GB
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[54] **SYSTEME ET METHODE DE PRODUCTION AMELIOREE DE FLUIDE A PARTIR DE PUITS DE GAZ A ASCENSION ARTIFICIELLE AU MOYEN DE CYCLES DE PRESSION**
[72] PALKA, KRZYSZTOF, CA
[73] AMBYINT INC., CA
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[54] **FORMULATIONS TRANSDERMIQUES EMPECHANT LES ABUS CONSTITUEES D'AGONISTES ET D'AGONISTES/ANTAGONISTES D'OPIACES**
[72] STINCHCOMB, AUDRA LYNN, US
[72] LI, GUOHUA, US
[72] BANKS, STAN LEE, US
[72] HOWARD, JEFFERY LYNN, US
[72] GOLINSKI, MIROSLAW JERZY, US
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[54] **METHODS AND USES OF TIE2 BINDING AND/OR ACTIVATING AGENTS**
[54] **PROCEDES ET UTILISATIONS D'AGENTS DE LIAISON A TIE2 ET/OU D'AGENTS D'ACTIVATION DE TIE2**
[72] VAN SLYKE, PAUL, CA
[72] DUMONT, DANIEL, CA
[73] SUNNYBROOK HEALTH SCIENCES CENTRE, CA
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[72] BORG, TOMAS, AU
[73] METZKE PTY LTD, AU
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[54] **JOINTS D'ETANCHEITE DE BOITIER DE PALIER POUR TURBINE A GAZ**
[72] HEATON, PETER ELLISON, GB
[72] CLARK, LEE ALAN, GB
[73] ROLLS-ROYCE PLC, GB
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[54] **MACHNE DE CONDITIONNEMENT ASEPTIQUE**
[72] DECIO, PIERLUIGI, IT
[73] ALFA LAVAL SPA, IT
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[54] **NOUVEAUX BRAS AUTOREACTIFS ET PRODROGUES LES COMPRENANT**
[72] PAPOT, SEBASTIEN, FR
[72] THOMAS, MICKAEL, FR
[73] UNIVERSITE DE POITIERS, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[54] **ELEMENT DE REGULATION D'HUMIDITE A UTILISER POUR LE CONDITIONNEMENT**
[72] SCHMIDT, ANDREAS, DE
[72] TINTCHEV, FILIP, DE
[73] MCAIRLAID'S VLIESSTOFFE GMBH, DE
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[54] **REFRIGERATION LINE SET FITTING AND METHOD OF USING THE SAME TO JOIN REFRIGERATION LINES TO EACH OTHER**
[54] **RACCORD DE JEU DE CONDUITES DE REFRIGERATION ET METHODE D'UTILISATION DE DEUI-CI POUR REUNIR DES CONDUITES DE REFRIGERATION**
[72] ARMENT, BRADLEY, US
[72] DUGGAN, MICHAEL JOSEPH, US
[72] NIXON, FORREST, US
[72] WILSON, MICHAEL J., US
[73] RLS LLC, US
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[54] **ELEMENTS DE PAREMENT DES OUVERTURES D'UN EDIFICE ACTIONNES PAR MOTEURS ROTATIFS**
[72] COLSON, WENDELL, US
[72] FOGARTY, DANIEL, US
[73] HUNTER DOUGLAS INC., US
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[54] **CONJUGUES N-ALKOXYAMIDES EN TANT QU'AGENTS D'IMAGERIE**
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[72] HARRIS, THOMAS D., US
[72] ROBINSON, SIMON P., US
[72] LOOBY, RICHARD J., US
[72] CHEESMAN, EDWARD H., US
[72] YALAMANCHILI, PADMAJA, US
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[73] LANTHEUS MEDICAL IMAGING, INC., US
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[54] **PRODUCTION OF FUNCTIONALIZED LINEAR DNA CASSETTE AND QUANTUM DOT/NANOPARTICLE MEDIATED DELIVERY IN PLANTS**
[54] **PRODUCTION DE CASSETTE D'ADN LINEAIRE FONCTIONNALISE ET SA DIFFUSION DANS DES PLANTES ASSISTEE PAR DES POINTS QUANTIQUES/NANOPARTICULES**
[72] YAU, KERRM Y., US
[72] SAMUEL, JAYAKUMAR PON, US
[72] BURROUGHS, FRANK G., US
[72] SAMBOJU, NARASIMHA CHARY, US
[72] WEBB, STEVEN R., US
[73] DOW AGROSCIENCES LLC, US
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[54] **ENSEMBLE DE CHARNIERE**
[72] JABLONSKI, PAUL, US
[73] JABLONSKI, PAUL, US
[86] (2805316)
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[54] **BIOMASS LIQUEFACTION PROCESSES, AND USES OF SAME**
[54] **PROCEDES DE LIQUEFACTION DE BIOMASSE ET LEURS UTILISATIONS**
[72] LADISCH, MICHAEL R., US
[72] MOSIER, NATHAN, US
[72] KIM, YOUNGMI, US
[73] PURDUE RESEARCH FOUNDATION, US
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[54] **SUBSTITUTED 2-HYDROXY-4-(2-(PHENYLSULFONAMIDO)ACETAMIDO)BENZOIC ACID ANALOGS AS INHIBITORS OF STAT PROTEINS**
[54] **ANALOGUES DE L'ACIDE 2-HYDROXY-4-(2-(PHENYLSULFONAMIDO)ACETAMIDO) BENZOIQUE SUBSTITUE UTILISABLES EN TANT QU'INHIBITEURS DES PROTEINES STAT**
[72] TURKSON, JAMES, US
[72] GUNNING, PATRICK, CA
[73] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **SYSTEME DE COMMANDE DE PROFONDEUR**
[72] BAKER, JOHN, CA
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[73] COATING EXCELLENCE INTERNATIONAL LLC, US
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[54] **DETECTEURS D'INTRUSION HAUTE SECURITE POUR PORTE/FENETRE A GRANDE OUVERTURE UTILISANT DES MAGNETOMETRES**
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[72] MERRITT, DAVE EUGENE, US
[73] HONEYWELL INTERNATIONAL INC., US
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[73] INFINEUM INTERNATIONAL LIMITED, GB
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[72] SUNG, JEAN C., US
[73] PULMATRIX OPERATING COMPANY, INC., US
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[54] **PROCEDE D'ATTACHEMENT ET D'AUTHENTIFICATION D'UN TERMINAL UTILISATEUR AUPRES D'UN RESEAU VISITE**
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[73] CASSIDIAN SAS, FR
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[72] KOEHLER, DIETMAR, DE
[72] BRANDL, MATTHIAS, DE
[72] GLASER, BENEDICT, DE
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[54] **TRAITEMENT DE L'ALLODYNIE, DE L'HYPERALGESIE, DE LA DOULEUR SPONTANEE ET DE LA DOULEUR ILLUSIONNELLE**
[72] JOHANSEN, TEIT E., DK
[72] WAHLBERG, LARS ULRIK, US
[72] JORGENSEN, JESPER ROLAND, DK
[73] HOBA THERAPEUTICS APS, DK
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[54] **CLAVIER TACTILE PROPOSANT DES PREDICTIONS DE MOTS EN CERTAINS ENDROITS ASSOCIEES A DES LETTRES CANDIDATES**
[72] PASQUERO, JEROME, CA
[72] MCKENZIE, DONALD SOMERSET MCCULLOCH, CA
[72] GRIFFIN, JASON TYLER, CA
[73] BLACKBERRY LIMITED, CA
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[54] **ANTICORPS ANTI-TIM-3**
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[72] TOMURA, HITOMI, JP
[72] TAWARA, TOMONORI, JP
[72] INAGAKI, YOSHIMASA, JP
[72] KUBOTA, TSUGUO, JP
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[72] ELEFTHERIOU, ANDREAS, CA
[72] MENHEERE, DAVID HAROLD, CA
[73] PRATT & WHITNEY CANADA CORP., CA
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[54] **DERIVES 1,2,4-TRIAZOLO[4,3-A]PYRIDINE ET LEUR UTILISATION EN TANT QUE MODULATEURS ALLOSTERIQUES POSITIFS DES RECEPTEURS MGLUR2**
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[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES
[72] VEGA RAMIRO, JUAN ANTONIO, ES
[72] OEHLRICH, DANIEL, BE
[72] TRESADERN, GARY JOHN, ES
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[73] JANSSEN PHARMACEUTICALS, INC., US
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[54] **SYSTEM AND METHOD FOR ASSOCIATION OF A GUIDING AID WITH A PATIENT TISSUE**
[54] **SYSTEME ET METHODE D'ASSOCIATION D'UN DISPOSITIF DE GUIDAGE AVEC UN TISSU**
[72] IANNOTTI, JOSEPH P., US
[72] BARSOUM, WAEL K., US
[72] BRYAN, JASON A., US
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[54] **CONNECTEUR ELECTRIQUE AVEC ORGANE DE MISE A LA TERRE**
[72] PAGLIA, RICHARD, US
[72] BLUNT, BRYAN, US
[72] CHEN, WEIXING, CN
[72] GU, MINGHUA, CN
[72] SONG, CAICHUN, CN
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[54] **SYSTEME DE RECEPTION ET DE CONFINEMENT DE GREFFE POUR ANOMALIES OSSEUSES**
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[72] HAMEL, ROSS, US
[73] DEPUY SYNTHES PRODUCTS, INC., US
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[72] SUGIURA, JUNICHI, GB
[73] SCHLUMBERGER CANADA LIMITED, CA
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[72] SLACK, PAUL, US
[72] LOCKE, CHRISTOPHER BRIAN, US
[73] KCI LICENSING, INC., US
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[54] **COMPOSITIONS A BASE DE PROPYLENE D'ASPECT AMELIORE ET D'EXCELLENTE APTITUDE A L'ECOULEMENT DANS UN MOULE**
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[72] CATALINA, EDWARD, US
[72] THURSTON, WILLIAM C., US
[72] MAJEWSKI, RITA, US
[73] BRASKEM AMERICA, INC., US
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[54] **CLAPET DE REFOULEMENT A DEPRESSION POUR UN SYSTEME BRISE-VIDE DE SECURITE**
[72] ROBOL, RONALD B., US
[72] HRUBY, DANIEL J., US
[72] COLVIN, JOHNATHAN STEVEN, US
[73] PENTAIR WATER POOL AND SPA, INC., US
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[72] BROMWICH, ROBERT CHARLES, GB
[72] ROGACHEVA, ALEXANDRA VASIL'EVNA, GB
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[73] EXPRO NORTH SEA LIMITED, GB
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[54] **DISPOSITIF ET PROCEDE DE FIXATION D'UN ELEMENT D'ANCRAGE DE SUTURE AU MOYEN D'UNE SUTURE OU D'UN ELEMENT D'ANCRAGE A TETE DANS DES TISSUS DURS**
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[73] SPORTWELDING GMBH, CH
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[73] NOVOMATIC AG, AT
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[54] **ENSEMBLES DE TURBINES A COURANT D'EAU ET COMMANDE GROUPEE**
[72] VIGARS, PAUL, GB
[73] TIDAL GENERATION LIMITED, GB
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[54] **PROCEDE DE FABRICATION D'UN ELEMENT DE RENFORCEMENT POUR CABLE**
[72] ZHOU, HUAJUN, US
[72] CHEN, BUO, US
[72] NEUBAUER, ANTHONY C., US
[72] COGEN, JEFFREY M., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **PROCEDE ET APPAREIL COMPACT D'ELECTROLYSE EN CIRCUIT FERME**
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[73] GUEST, RAYNE, US
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[54] **REVETEMENT TRANSPARENT AUX ONDES RADAR**
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[72] SCHULER, PETER, DE
[72] RIBEIRO, CARLOS, VN
[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
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[54] **BIOCARBURANT STABLE**
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[72] SANCHEZ, VICENTE, US
[72] TONG, XIAOWEI, US
[73] KIOR, INC., US
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[54] **COMPOSE ISOLE A PARTIR DE MONASCUS PURPUREUS, SON PROCEDE DE PREPARATION ET SES UTILISATIONS**
[72] DUAN, ZHENWEN, CN
[72] GUO, SHUREN, CN
[72] LI, XUEMEI, CN
[72] LIU, CHUNLI, CN
[73] BEIJING PEKING UNIVERSITY WBL BIOTECH CO., LTD., CN
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[54] **EDULCORANT NATUREL AMELIORE ET PROCEDE DE FABRICATION ASSOCIE**
[72] CATANI, STEVEN J., US
[72] NAVIA, JUAN L., US
[73] HEARTLAND CONSUMER PRODUCTS LLC, US
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[25] EN
[54] **REAL-TIME PCR POINT MUTATION ASSAYS FOR DETECTING HIV-1 RESISTANCE TO ANTIVIRAL DRUGS**
[54] **TESTS DE MUTATIONS PONCTUELLES PAR PCR EN TEMPS REEL POUR DETECTER LA RESISTANCE DU VIH-1 AUX MEDICAMENTS ANTIVIRAUX**
[72] JOHNSON, JEFFREY A., US
[72] HENEINE, WALID M., US
[72] LIPSCOMB, JONATHAN T., US
[73] THE GOVERNMENT OF THE USA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL & PREVENTION, US
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[54] **LATENT DEFECT IDENTIFICATION**
[54] **REPERAGE DE DEFAUT LATENT**
[72] ELJUSE, BASIL, GB
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
[86] (2827692)
[87] (2827692)
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[51] **Int.Cl. G05D 1/02 (2006.01) B62D 6/00 (2006.01) B66F 9/06 (2006.01) B66F 9/075 (2006.01)**
[25] EN
[54] **OBJECT TRACKING AND STEER MANEUVERS FOR MATERIALS HANDLING VEHICLES**
[54] **SUIVI D'OBJET ET MANOEUVRES DE DIRECTION DESTINEES A DES VEHICULES DE MANUTENTION DE MATERIAUX**
[72] CASTANEDA, ANTHONY T., US
[72] MCCROSKEY, WILLIAM W., US
[72] SCHLOEMER, JAMES F., US
[72] SCHUMACHER, MARK E., US
[72] SIEFRING, VERNON W., US
[72] WELLMAN, TIMOTHY A., US
[73] CROWN EQUIPMENT CORPORATION, US
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[51] **Int.Cl. A47J 31/52 (2006.01)**
[25] EN
[54] **AUTOMATIC BEVERAGE MACHINE**
[54] **MACHINE AUTOMATIQUE DE PREPARATION DE BOISSONS**
[72] YOAKIM, ALFRED, CH
[72] AIT BOUZIAD, YOUCEF, CH
[72] AGON, FABIEN LUDOVIC, CH
[72] KOLLEP, ALEXANDRE, CH
[72] GAVILLET, GILLES, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2013-08-27
[86] 2012-03-13 (PCT/EP2012/054348)
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[51] **Int.Cl. A61K 31/375 (2006.01) A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61P 1/10 (2006.01)**
[25] EN
[54] **LOW VOLUME COLON CLEANSING SOLUTIONS COMPRISING ASCORBATE AND POLYETHYLENE GLYCOL**
[54] **SOLUTIONS DE NETTOYAGE DU COLON A FAIBLE VOLUME RENFERMANT DE L'ASCORBATE ET DU GLYCOL DE POLYETHYLENE**
[72] HALPHEN, MARC, GB
[72] GRUSS, HANS-JURGEN, GB
[72] COX, IAN, GB
[72] COCKETT, ALASDAIR, GB
[72] STEIN, PETER, GB
[72] UNGAR, ALEX, GB
[73] NORGINE BV, NL
[85] 2013-09-11
[86] 2012-03-09 (PCT/GB2012/050526)
[87] (WO2012/123720)
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[25] EN
[54] **DOUBLE-ROTOR SWITCHED RELUCTANCE MACHINE**
[54] **MACHINE A RELUCTANCE COMMUTEE A DOUBLE ROTOR**
[72] YANG, YINYE, CA
[72] EMADI, ALI, CA
[73] MCMASTER UNIVERSITY, CA
[86] (2830944)
[87] (2830944)
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[51] **Int.Cl. G01P 21/00 (2006.01) F03D 80/00 (2016.01) F03D 7/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CALIBRATING A WIND VANE OF A WIND TURBINE**
[54] **SYSTEME ET PROCEDE POUR CALIBRER UNE GIROUETTE D'UNE EOLIENNE**
[72] PELLETIER, FRANCIS, CA
[72] TAHAN, SOUHEIL-ANTOINE, CA
[73] SOCOVAR, LIMITED PARTNERSHIP, CA
[86] (2832070)
[87] (2832070)
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[25] EN
[54] **SEPARATION OF GENOMIC DNA FROM A TARGET MOLECULE USING CATION EXCHANGE**
[54] **SEPARATION D'ADN GENOMIQUE D'UNE MOLECULE CIBLE AU MOYEN D'ECHANGE CATIONIQUE**
[72] GAGNON, PETER S., SG
[73] BIO-RAD LABORATORIES, INC., US
[85] 2013-10-03
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[30] US (13/096,699) 2011-04-28

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **2-AMINO-3-(IMIDAZOL-2-YL)-PYRIDIN-4-ONE DERIVATIVES AND THEIR USE AS VEGF RECEPTOR KINASE INHIBITORS**
[54] **DERIVES DE 2-AMINO-3-(INIDAZOL-2-YL)-PYRIDINE-4-ONE ET UTILISATION DE CEUX-CI COMME INHIBITEURS DE KINASES ASSOCIEES AU RECEPTEUR DU VEGF**
[72] BRAUN, ALAIN, FR
[72] DUCLOS, OLIVIER, FR
[72] LASSALLE, GILBERT, FR
[72] LORGE, FRANZ, FR
[72] MARTIN, VALERIE, FR
[72] RITZELER, OLAF, DE
[72] STRUB, AURELIE, FR
[73] SANOFI, FR
[85] 2013-10-15
[86] 2012-05-16 (PCT/EP2012/059145)
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[54] **DOWNHOLE TRACTION APPARATUS AND ASSEMBLY**
[54] **APPAREIL DE TRACTION DE FOND DE TROU ET ASSEMBLAGE**
[72] SIMPSON, NEIL ANDREW ABERCROMBIE, GB
[73] PARADIGM DRILLING SERVICES LIMITED, GB
[85] 2013-10-18
[86] 2012-04-19 (PCT/GB2012/050861)
[87] (WO2012/143722)
[30] GB (1106595.0) 2011-04-19
[30] GB (1113150.5) 2011-07-29

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **FGFR1 AGONISTS AND METHODS OF USE**
[54] **AGONISTES DE FGFR1 ET LEURS PROCEDES D'UTILISATION**
[72] SONODA, JUNICHIRO, US
[72] WU, YAN, US
[73] GENENTECH, INC., US
[85] 2013-10-31
[86] 2012-05-15 (PCT/US2012/037964)
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[51] **Int.Cl. D21C 9/06 (2006.01) B01D 61/56 (2006.01) D21C 9/18 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING CELLULOSE AND CELLULOSE TREATED ACCORDING TO THE PROCESS**
[54] **PROCEDE DE TRAITEMENT D'UNE CELLULOSE ET CELLULOSE TRAITEE SELON LE PROCEDE**
[72] HEISKANEN, ISTO, FI
[72] BACKFOLK, KAJ, FI
[72] KOTILAINEN, ARI, FI
[72] GAIDELIS, VALENTAS, LT
[72] SIDARAVICIUS, JONAS, LT
[73] STORA ENSO OYJ, FI
[85] 2013-11-06
[86] 2012-05-11 (PCT/IB2012/052353)
[87] (WO2012/156882)
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[51] **Int.Cl. C12N 1/00 (2006.01) A01N 63/00 (2006.01)**
[25] EN
[54] **STRAIN BELONGING TO BACILLUS GENUS, MICROBIOLOGICAL AGENT, AND PLANT CULTIVATION METHOD**
[54] **SOUCHE APPARTENANT AU GENRE BACILLUS, AGENT MICROBIOLOGIQUE ET PROCEDE DE CULTURE DE PLANTES**
[72] AMAKI, YUSUKE, JP
[72] TANAKA, KEIJITSU, JP
[72] TANAKA, MOTOKI, JP
[72] TAKAHASHI, AKITOMO, JP
[73] SDS BIOTECH K. K., JP
[85] 2013-11-19
[86] 2012-05-21 (PCT/JP2012/062935)
[87] (WO2012/161160)
[30] JP (PCT/JP2011/062109) 2011-05-26

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[51] **Int.Cl. C07K 16/46 (2006.01) A61K 39/395 (2006.01) A61K 39/44 (2006.01) A61P 35/00 (2006.01) C07K 14/315 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **DEIMMUNIZED SERUM-BINDING DOMAINS AND THEIR USE FOR EXTENDING SERUM HALF-LIFE**
[54] **DOMAINES DE LIAISON DU SERUM DEIMMUNISE ET LEUR UTILISATION POUR PROLONGER LA DEMI-VIE DU SERUM**
[72] BONVINI, EZIO, US
[72] BARAT, BHASWATI, US
[72] HUANG, LING, US
[72] JOHNSON, LESLIE S., US
[73] MACROGENICS, INC., US
[85] 2013-11-20
[86] 2012-05-16 (PCT/US2012/038227)
[87] (WO2012/162068)
[30] US (61/488,725) 2011-05-21

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[13] C
[51] **Int.Cl. H01J 49/04 (2006.01) H01J 49/12 (2006.01) H01J 49/42 (2006.01)**
[25] EN
[54] **NON-CONTACT TRACE CHEMICAL SCREENING**
[54] **DETECTION SANS CONTACT DE TRACES D'UNE SUBSTANCE CHIMIQUE**
[72] STOTT, WILLIAM R., CA
[72] JAVAHERY, GHOLAMREZA, CA
[73] MSDETECTION CORP., CA
[85] 2013-11-25
[86] 2012-05-25 (PCT/CA2012/000505)
[87] (WO2012/162795)
[30] US (61/490,807) 2011-05-27

[11] **2,837,316**
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[51] **Int.Cl. A62C 35/68 (2006.01)**
[25] EN
[54] **X-BRACE VALVE AND FLEXIBLE CONNECTION FOR FIRE SPRINKLERS**
[54] **SOUPAPE A ENTRETOISE EN X ET RACCORDEMENT FLEXIBLE POUR TETES D'EXTINCTION**
[72] SHIPMAN, BUDDY CLAYTON, US
[73] VICTAULIC COMPANY, US
[85] 2013-11-25
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[11] **2,838,279**
[13] C
[51] **Int.Cl. H04W 4/12 (2009.01) H04W 88/02 (2009.01)**
[25] EN
[54] **SELECTIVE LINKING OF MESSAGE ACCOUNTS**
[54] **LIAISON SELECTIVE DE COMPTES DE MESSAGERIE**
[72] ROBERTS, CHAD, US
[72] SOUSA, AUDREY YUNG CHIN, US
[72] CALLEGARI, SHAWN CANTIN, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2013-12-03
[86] 2012-06-09 (PCT/US2012/041784)
[87] (WO2012/170972)
[30] US (13/158,201) 2011-06-10

[11] **2,839,121**
[13] C
[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/22 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPLEMENTING A SCALABLE DATA STORAGE SERVICE**
[54] **SYSTEME ET PROCEDE DE MISE EN OEUVRE D'UN SERVICE DE STOCKAGE DE DONNEESEXTENSIBLE**
[72] SIVASUBRAMANIAN, SWAMINATHAN, US
[72] STEFANI, STEFANO, US
[72] BURAGOHAIN, CHIRANJEEB, US
[72] BLACKMAN, RANDE A., US
[72] RATH, TIMOTHY ANDREW, US
[72] BRADFORD, RAYMOND S., US
[72] MCALISTER, GRANT A. M., US
[72] KULESZA, JAKUB, US
[72] HAMILTON, JAMES, US
[72] CABRERA, LUIS FELIPE, US
[73] AMAZON TECHNOLOGIES, INC., US
[85] 2013-12-11
[86] 2012-06-27 (PCT/US2012/044371)
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[30] US (13/170,031) 2011-06-27

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[13] C
[51] **Int.Cl. G01R 27/26 (2006.01)**
[25] EN
[54] **MATRIX PERMITTIVITY DETERMINATION**
[54] **DETERMINATION DE PERMITTIVITE DE MATRICE**
[72] ANDERSON, VALERIE, GB
[72] MEETEN, GERALD, GB
[72] CLARKE, ANDREW, GB
[72] ZHANG, TIANHUA, FR
[72] LIGNEUL, PATRICE, FR
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2013-12-16
[86] 2012-06-20 (PCT/IB2012/053105)
[87] (WO2012/176129)
[30] GB (1110665.5) 2011-06-23

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[13] C
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/182 (2014.01) H04N 19/80 (2014.01)**
[25] EN
[54] **OFFSET DECODING DEVICE, OFFSET ENCODING DEVICE, IMAGE FILTER DEVICE, AND DATA STRUCTURE**
[54] **DISPOSITIF DE DECODAGE A DECALAGE, DISPOSITIF DE CODAGE A DECALAGE, DISPOSITIF DE FILTRE D'IMAGE ET STRUCTURE DE DONNEES**
[72] YAMAZAKI, TAKANORI, JP
[72] IKAI, TOMOHIRO, JP
[72] YAMAMOTO, TOMOYUKI, JP
[72] YASUGI, YUKINOBU, JP
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2013-12-19
[86] 2012-06-22 (PCT/JP2012/066082)
[87] (WO2012/176910)
[30] JP (2011-139961) 2011-06-23
[30] JP (2011-215476) 2011-09-29

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[51] **Int.Cl. H04L 12/66 (2006.01) H04L 12/947 (2013.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR USE IN A SPACEWIRE-BASED NETWORK**
[54] **APPAREIL ET PROCEDE DESTINES A ETRE UTILISES DANS UN RESEAU SPACEWIRE**
[72] NORRIDGE, PAUL STEPHEN, GB
[72] SULLIVAN, WAYNE, GB
[72] COLLIN, MIKAEL STIG, GB
[73] ASTRIUM LIMITED, GB
[85] 2013-12-27
[86] 2012-06-25 (PCT/EP2012/062198)
[87] (WO2013/000851)
[30] EP (11275101.1) 2011-06-30

[11] **2,841,742**
[13] C
[51] **Int.Cl. G06K 19/077 (2006.01) H01L 21/58 (2006.01)**
[25] FR
[54] **HYBRID CONTACT/CONTACTLESS INTEGRATED CIRCUIT CARD, THE STRENGTH OF THE ELECTRONIC MODULE OF WHICH IS REINFORCED**
[54] **CARTE A CIRCUIT INTEGRE HYBRIDE CONTACT - SANS CONTACT A TENUE RENFORCEE DU MODULE ELECTRONIQUE**
[72] BENATO, PIERRE, FR
[73] ASK S.A., FR
[85] 2014-01-10
[86] 2012-07-12 (PCT/FR2012/000287)
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[51] **Int.Cl. G06Q 50/10 (2012.01)**
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[54] **SYSTEM AND METHOD FOR PROVIDING THE IDENTIFICATION OF GEOGRAPHICALLY CLOSEST ARTICLE DISPENSING MACHINES**
[54] **SYSTEME ET PROCEDE PERMETTANT DE PRESENTER L'IDENTIFICATION DES MACHINES DE DIFFUSION D'ARTICLES QUI SONT LES PLUS PROCHES GEOGRAPHIQUEMENT**
[72] BOWERS, BRAD, US
[72] MASKATIA, IMRAN, US
[72] RUBINSTEIN, JASON, US
[73] REDBOX AUTOMATED RETAIL, LLC, US
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[51] **Int.Cl. C07C 7/00 (2006.01)**
[25] EN
[54] **PROCESS FOR REMOVING OXYGENATED CONTAMINANTS FROM AN ETHYLENE STREAM**
[54] **PROCEDE POUR ELIMINER DES CONTAMINANTS OXYGENES D'UN FLUX D'ETHYLENE**
[72] DAS, BABUA, BE
[72] ARRATIA, MANUELA, FR
[72] BOUTROT, CATHERINE, FR
[73] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[73] IFP ENERGIES NOUVELLES, FR
[85] 2014-01-17
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[51] **Int.Cl. G01N 27/22 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **A MULTI-ELECTRODE SENSOR FOR DETERMINING THE GAS CONTENT IN A TWO-PHASE FLOW**
[54] **CAPTEUR MULTI-ELECTRODE POUR DETERMINER LA TENEUR EN GAZ DANS UN ECOULEMENT DIPHASIQUE**
[72] NIVET, PHILIPPE, FR
[72] BRUERE, ALAIN, FR
[72] MATARIN, DIDIER, FR
[73] SNECMA, FR
[85] 2014-01-29
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[51] **Int.Cl. G01V 9/00 (2006.01)**
[25] EN
[54] **GAS FLUX MEASUREMENT USING TRAPS**
[54] **MESURE D'UN FLUX GAZEUX A L'AIDE DE PIEGES**
[72] ZIMBRON, JULIO A., US
[72] SALE, THOMAS C., US
[72] LYVERSE, MARK, US
[73] COLORADO STATE UNIVERSITY RESEARCH FOUNDATION, US
[73] CHEVRON U.S.A. INC., US
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[30] US (13/197,657) 2011-08-03

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[25] EN
[54] **SYNTHETIC ESTER-BASED LUBRICANT COMPOSITIONS THAT EXHIBIT IMPROVED OXIDATION STABILITY AND SERVICE LIFE**
[54] **COMPOSITIONS LUBRIFIANTES A BASE D'ESTER SYNTHETIQUE QUI PRESENTENT UNE STABILITE A L'OXYDATION ET UNE DUREE UTILE AMELIOREES**
[72] ZEHLER, EUGENE R., US
[73] COGNIS IP MANAGEMENT GMBH, DE
[85] 2014-01-31
[86] 2012-06-19 (PCT/EP2012/061677)
[87] (WO2013/017332)
[30] US (13/197,037) 2011-08-03

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[13] C
[51] **Int.Cl. G01V 1/16 (2006.01) G01V 1/22 (2006.01) G01V 8/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MEASURING SEISMIC PARAMETERS OF A SEISMIC VIBRATOR**
[54] **PROCEDE ET APPAREIL PERMETTANT DE MESURER DES PARAMETRES SISMIQUES D'UN VIBRATEUR SISMIQUE**
[72] LUPTON, ROBERT MARTINDALE, CA
[72] WESTWOOD, WILLIAM ERIC, CA
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2014-02-05
[86] 2012-08-07 (PCT/US2012/049810)
[87] (WO2013/022866)
[30] US (61/521,544) 2011-08-09

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[51] **Int.Cl. B65G 23/08 (2006.01)**
[25] EN
[54] **MOUNTING FACE SYSTEM**
[54] **SYSTEME DE FACE DE MONTAGE**
[72] WOLTERS, LAURENS G. J., NL
[72] DEGROOT, MICHAEL HENDRIK, US
[73] MOL BELTING SYSTEMS, INC., US
[85] 2014-02-06
[86] 2012-08-13 (PCT/US2012/050559)
[87] (WO2013/023208)
[30] US (61/522,587) 2011-08-11
[30] US (61/590,790) 2012-01-25
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[13] C
[51] **Int.Cl. C07C 233/06 (2006.01) A61K 31/165 (2006.01) A61P 29/00 (2006.01) C07C 233/23 (2006.01) C07D 309/14 (2006.01)**
[25] EN
[54] **META-SUBSTITUTED BIPHENYL PERIPHERALLY RESTRICTED FAAH INHIBITORS**
[54] **INHIBITEURS DE LA FAAH RESTREINTS DE MANIERE PERIPHERIQUE SUBSTITUES EN POSITION META PAR UN BIPHENYLE**
[72] PIOMELLI, DANIELE, US
[72] MORENO-SANZ, GUILLERMO, US
[72] BANDIERA, TIZIANO, IT
[72] MOR, MARCO, IT
[72] TARZIA, GIORGIO, IT
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[73] FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA, IT
[73] UNIVERSITA DEGLI STUDI DI URBINO "CARLO BO", IT
[73] UNIVERSITA DEGLI STUDI DI PARMA, IT
[85] 2014-02-10
[86] 2012-08-17 (PCT/US2012/051478)
[87] (WO2013/028570)
[30] US (61/525,636) 2011-08-19

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[13] C
[51] **Int.Cl. A01K 99/00 (2006.01) G01N 31/22 (2006.01) G01V 15/00 (2006.01) G01N 21/75 (2006.01) G01N 27/02 (2006.01)**
[25] EN
[54] **PREDATION DETECTION FISH TRACKING TAG**
[54] **ETIQUETTE DE SUIVI DES POISSONS EN VUE DE LA DETECTION DE LA PREDATION**
[72] FRASER, TERRANCE WILLIAM, CA
[72] MARSH, GARY DONALD, CA
[72] MURPHY, CHAD DOUGLAS, CA
[72] OAKLEY, DOUGLAS BRUCE, CA
[72] STONE, TIMOTHY BRUCE, CA
[72] WEBBER, DALE MITCHELL, CA
[72] FIELDEN, RYAN ISAAC, CA
[72] MILLER, KIMBERLY JEAN, CA
[72] WHITE, MARY ANNE, CA
[73] INNOVASEA MARINE SYSTEMS CANADA INC., CA
[86] (2845230)
[87] (2845230)
[22] 2014-03-07

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[51] **Int.Cl. C07C 215/40 (2006.01) A61K 31/18 (2006.01) A61P 29/00 (2006.01) C07C 311/48 (2006.01)**
[25] EN
[54] **CHOLINE SALT OF AN ANTI - INFLAMMATORY SUBSTITUTED CYCLOBUTENEDIONE COMPOUND**
[54] **SEL DE CHOLINE D'UN COMPOSE ANTI-INFLAMMATOIRE A BASE DE CYCLOBUTENEDIONE SUBSTITUE**
[72] AMBARKHANE, AMEET VIJAY, GB
[72] MAULER, ARNAUD, CH
[72] TIMPE, CARSTEN, DE
[72] BAETTIG, URS, GB
[73] NOVARTIS AG, CH
[85] 2014-02-25
[86] 2012-08-31 (PCT/IB2012/054502)
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[54] **PLASMA SOURCE**
[54] **SOURCE DE PLASMA**
[72] KRASSNITZER, SIEGFRIED, AT
[72] LENDI, DANIEL, CH
[72] HAGMANN, JUERG, CH
[73] OERLIKON SURFACE SOLUTIONS AG, PFAEFFIKON, CH
[85] 2014-02-26
[86] 2012-08-29 (PCT/EP2012/003623)
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[30] DE (10 2011 112 759.7) 2011-09-08

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[25] EN
[54] **TREATMENT OF DISEASES RELATED TO ALPHA SUBUNITS OF SODIUM CHANNELS, VOLTAGE-GATED (SCNXA) WITH SMALL MOLECULES**
[54] **TRAITEMENT DE MALADIES LIEES A DES SOUS-UNITES ALPHA DE CANAUX SODIQUES VOLTAGE-DEPENDANTS (SCNXA) AVEC DE PETITES MOLECULES**
[72] COLLARD, JOSEPH, US
[72] KHORKOVA SHERMAN, OLGA, US
[72] HSIAO, JANE H., US
[73] CURNA, INC., US
[85] 2014-03-05
[86] 2012-08-28 (PCT/US2012/052685)
[87] (WO2013/036403)
[30] US (61/531,361) 2011-09-06

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[25] EN
[54] **USE OF HUMAN PAPILLOMAVIRUS STATUS IN ESTABLISHING USE OF AN AGENT THAT BINDS EGFR IN THE TREATMENT OF CANCER**
[54] **UTILISATION DE L'ETAT DU PAPILLOVIRUS HUMAIN POUR ETABLIR L'UTILISATION D'UN AGENT QUI LIE L'EGFR DANS LE TRAITEMENT DU CANCER**
[72] WIEZOREK, JEFFREY SCOTT, US
[72] BACH, BRUCE ALLEN, US
[73] AMGEN INC., US
[85] 2014-03-06
[86] 2012-09-07 (PCT/US2012/054137)
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[25] EN
[54] **APPARATUS FOR SEPARATION AND PROCESSING OF MATERIALS**
[54] **APPAREIL DE SEPARATION ET DE TRAITEMENT DE MATERIAUX**
[72] PAXTON, RICHARD GEORGE, GB
[73] CYDAF TECHNOLOGIES LIMITED, GB
[85] 2014-03-11
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[87] (WO2013/042084)
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[54] **DEFOAMING COMPOSITIONS**
[54] **COMPOSITIONS ANTIMOUSSE**
[72] MAHMOUDKHANI, AMIR H., US
[72] LUCIANA, BAVA, US
[72] WILSON, ROBERT E., US
[73] KEMIRA OYJ, FI
[85] 2014-03-28
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[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING LAMENESS IN LIVESTOCK**
[54] **PROCEDE ET APPAREIL POUR DETECTER UNE BOITERIE CHEZ DU BETAIL**
[72] AXELSSON, THOMAS, SE
[72] BROSTEDT, GUNNAR, SE
[73] DELAVAL HOLDING AB, SE
[85] 2014-04-02
[86] 2012-10-05 (PCT/SE2012/051063)
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[25] EN
[54] **MASS TRANSIT SAFETY NOTIFICATION SYSTEM AND DEVICE**
[54] **SYSTEME ET DISPOSITIF DE NOTIFICATION DE SECURITE DE TRANSPORT EN COMMUN**
[72] CROSS, BRAD, US
[72] DEIFENBACH, DESTRY, US
[72] BARVE, YOGESH, US
[72] KSYCKI, PETE, US
[72] KOLTS, SCOTT, US
[72] MCDONALD, STEVE, US
[73] STC, INC., US
[85] 2014-04-14
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[25] EN
[54] **SYSTEM AND METHOD FOR WEIGHING COUPLED-IN-MOTION RAILCARS**
[54] **SYSTEME ET PROCEDE POUR PESER DES WAGONS DE CHEMINS DE FER ATTELES EN MOUVEMENT**
[72] WAGSTAFF, EDWIN B., US
[72] KOROLKOV, ANDREY, RU
[72] HORLAK, STEPHAN, US
[73] METTLER-TOLEDO, LLC, US
[85] 2014-04-22
[86] 2012-11-08 (PCT/US2012/064210)
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[25] FR
[54] **METHOD FOR PRODUCING A METAL PART FOR AN AIRCRAFT TURBO-ENGINE**
[54] **PROCEDE DE FABRICATION D'UNE PIECE METALLIQUE POUR TURBOREACTEUR D'AERONEFS**
[72] VILARO, THOMAS, FR
[72] RIX, SEBASTIEN, FR
[72] BAUDIMONT, CYRILLE, FR
[73] SNECMA, FR
[85] 2014-04-23
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[54] **DRILL BIT FOR ROCK DRILLING TOOL, AND ROCK DRILLING TOOL**
[54] **TREPAN DE FORAGE POUR OUTIL DE FORAGE DE ROCHE, ET OUTIL DE FORAGE DE ROCHE**
[72] RINDESKAR, ANDREAS, SE
[72] HAMMARGREN, JOHN, SE
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2014-04-29
[86] 2012-10-29 (PCT/EP2012/071367)
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[30] EP (11188761.8) 2011-11-11

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[25] EN
[54] **METERING APPARATUS FOR THE MANUALLY-CONTROLLED METERING OF A LIGHT-CURING MATERIAL, KIT AND METHOD**
[54] **DISPOSITIF DE DOSAGE POUR DOSER PAR COMMANDE MANUELLE UN MATERIAU PHOTODURCISSABLE, KIT ET PROCEDE**
[72] OFFERMANN, THOMAS, IT
[73] VIERING, ANKE ELISABETH, DE
[85] 2014-05-01
[86] 2012-10-31 (PCT/EP2012/004551)
[87] (WO2013/064248)
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[51] **Int.Cl. B65D 47/20 (2006.01) B65D 1/02 (2006.01) B65D 39/04 (2006.01)**
[25] EN
[54] **BOTTLE INCLUDING A HOLLOW REMOVABLE CLOSURE**
[54] **BOUTEILLE COMPRENANT UNE FERMETURE AMOVIBLE CREUSE**
[72] HERBST, ANDREW F., US
[73] RNR IP HOLDINGS, LLC, US
[85] 2014-05-01
[86] 2012-11-05 (PCT/US2012/063548)
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[25] EN
[54] **METHODS FOR PREPARATION OF GLYCOSPHINGOLIPIDS AND USES THEREOF**
[54] **PROCEDES POUR LA PREPARATION DE GLYCOSPHINGOLIPIDES ET UTILISATIONS DE CEUX-CI**
[72] LIANG, PI-HUI, US
[73] NATIONAL TAIWAN UNIVERSITY, TW
[85] 2014-05-06
[86] 2012-01-05 (PCT/US2012/020388)
[87] (WO2012/094540)
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[51] **Int.Cl. G03G 15/23 (2006.01)**
[25] EN
[54] **ELECTROPHOTOGRAPHIC SHEET-FED FRONT/BACK PRINTING MACHINE**
[54] **MACHINE D'IMPRESSION ELECTROGRAPHIQUE RECTO VERSO A ALIMENTATION A FEUILLE**
[72] IZAWA, HIDEO, JP
[72] SETOYAMA, JUNICHI, JP
[72] TAKAHASHI, KENJI, JP
[73] MIYAKOSHI PRINTING MACHINERY CO., LTD., JP
[86] (2855140)
[87] (2855140)
[22] 2014-06-23
[30] JP (2013-136450) 2013-06-28

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[25] EN
[54] **ALUMINIUM FIN ALLOY AND METHOD OF MAKING THE SAME**
[54] **ALLIAGE POUR AILETTES D'ALUMINIUM ET SON PROCEDE DE FABRICATION**
[72] HOWELLS, ANDREW D., CA
[72] GATENBY, KEVIN MICHAEL, CA
[72] MAROIS, PIERRE HENRI, CA
[72] DAVISSON, THOMAS L., US
[72] PERDRISET, FRED, FR
[73] NOVELIS INC., CA
[85] 2014-05-21
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[51] **Int.Cl. B60N 2/30 (2006.01)**
[25] EN
[54] **STOWABLE SEAT ARRANGEMENT FOR A VEHICLE**
[54] **AGENCEMENT DE SIEGE ESCAMOTABLE POUR VEHICULE**
[72] MATHER, CARL, US
[72] TEASDALE, TODD R., US
[73] FCA US LLC, US
[85] 2014-06-02
[86] 2012-12-06 (PCT/US2012/068130)
[87] (WO2013/090109)
[30] US (13/324,638) 2011-12-13

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[54] **KEY AND DISC TUMBLER CYLINDER LOCK**
[54] **CLE ET SERRURE A CYLINDRE A PAILLETTES**
[72] ULJENS, PEDER, FI
[73] ABLOY OY, FI
[85] 2014-06-10
[86] 2013-02-14 (PCT/FI2013/050174)
[87] (WO2013/121114)
[30] FI (20120050) 2012-02-16
[30] FI (20120051) 2012-02-16
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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 47/30 (2006.01)**
[25] EN
[54] **NANOPARTICLES WITH ENHANCED MUCOSAL PENETRATION OR DECREASED INFLAMMATION**
[54] **NANOPARTICULES PRESENTANT UNE PENETRATION MUCOSALE ACCRUE OU UNE INFLAMMATION DIMINUEE**
[72] HANES, JUSTIN, US
[72] XU, QINGGUO, US
[72] BOYLAN, NICHOLAS, US
[73] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2014-06-11
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[25] EN
[54] **KNIT WITH STRIPS WITHOUT BARBS, METHOD OF MAKING SAME AND PROSTHESES MADE FROM SAID KNIT**
[54] **TRICOT AVEC BANDES SANS BARBES, SON PROCEDE DE REALISATION ET PROTHESES REALISEES A PARTIR DUDIT TRICOT**
[72] LECUIVRE, JULIE, FR
[73] SOFRADIM PRODUCTION, FR
[85] 2014-06-12
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[54] **SYSTEM AND METHODS FOR SPAM DETECTION USING FREQUENCY SPECTRA OF CHARACTER STRINGS**
[54] **SYSTEME ET PROCEDES DE DETECTION DE SPAMS AU MOYEN DE SPECTRES DE FREQUENCE DE CHAINE DE CARACTERES**
[72] DICHIU, DANIEL, RO
[72] LUPSESCU, Z. LUCIAN, RO
[73] BITDEFENDER IPR MANAGEMENT LTD, CY
[85] 2014-06-12
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[54] **FLOAT FOR ENSILATION**
[54] **FLOTTEUR POUR ENSILAGE**
[72] VASSBOTTEN, ALEX, NO
[73] HAVSTERK AS, NO
[85] 2014-06-18
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[25] FR
[54] **METHOD OF MANUFACTURING A CERAMIC CORE FOR A BLADE, CERAMIC CORE AND BLADE**
[54] **PROCEDE DE FABRICATION D'UN NOYAU CERAMIQUE POUR AUBE MOBILE, NOYAU CERAMIQUE, AUBE MOBILE**
[72] TRUELLE, FRANCK EDMOND MAURICE, FR
[72] GRANDIN, ALAIN, FR
[72] MOUGAMADOU ABOUDALCADAR, MAIDIN, FR
[73] SNECMA, FR
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[54] **LENTICULAR MEANS FOR AN AUTOSTEREOSCOPIC DISPLAY APPARATUS HAVING AN ELECTRO -OPTIC AND AN ORIENTATION LAYER AND METHOD OF MANUFACTURING THE SAME**
[54] **MOYEN LENTICULAIRE DESTINE A UN APPAREIL D'AFFICHAGE AUTOSTEREOSCOPIQUE COMPORTANT UN MATERIAU ELECTRO-OPTIQUE AINSI QU'UNE COUCHE D'ORIENTATION, ET PROCEDE DE FABRICATION DE CET APPAREIL**
[72] ZUIDEMA, HANS, NL
[73] ULTRA-D COOPERATIEF U.A., NL
[85] 2014-07-07
[86] 2012-12-21 (PCT/EP2012/076756)
[87] (WO2013/104519)
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[25] EN
[54] **A HYDRAULIC FITTING FOR A HYDRAULIC HOSE**
[54] **RACCORD HYDRAULIQUE POUR FLEXIBLE HYDRAULIQUE**
[72] WOOD, NEAL, CA
[72] REDFERN, RICHARD, CA
[73] MARINE CANADA ACQUISITION INC., CA
[86] (2863872)
[87] (2863872)
[22] 2014-09-15
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[51] **Int.Cl. A61B 17/122 (2006.01) A61B 17/128 (2006.01)**
[25] EN
[54] **SURGICAL CLIP AND APPARATUS FOR APPLYING THE CLIP**
[54] **PINCE CHIRURGICALE ET DISPOSITIF PERMETTANT L'APPLICATION DE LADITE PINCE**
[72] OTTEN, BRIGITTE, DE
[72] OTTEN, GERT, DE
[73] HONNEFELDER, ANJA, DE
[73] OTTEN, PEER, DE
[73] OTTEN, BRIGITTE, DE
[85] 2014-08-06
[86] 2013-02-07 (PCT/DE2013/000073)
[87] (WO2013/120477)
[30] DE (10 2012 003 334.6) 2012-02-16

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[51] **Int.Cl. G21C 7/12 (2006.01)**
[25] EN
[54] **CONTROL ROD DRIVE MECHANISM ("CRDM") ASSEMBLY FOR A NUCLEAR REACTOR**
[54] **ENSEMBLE DE MECANISME D'ENTRAINEMENT DE BARRES DE COMMANDE (« CRDM ») POUR UN REACTEUR NUCLEAIRE**
[72] ALLEN, BRUCE F., US
[72] FALVO, GREGORY E., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2014-08-22
[86] 2013-02-12 (PCT/US2013/025659)
[87] (WO2013/165501)
[30] US (13/406,876) 2012-02-28

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[51] **Int.Cl. E21B 49/08 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **PORE PRESSURE MEASUREMENT IN LOW-PERMEABILITY AND IMPERMEABLE MATERIALS**
[54] **MESURE DE LA PRESSION INTERSTITIELLE DANS DES MATERIAUX IMPERMEABLES ET DE FAIBLE PERMEABILITE**
[72] BADRI, MOHAMMED, SA
[72] TAHERIAN, REZA, SA
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2014-09-09
[86] 2013-05-20 (PCT/US2013/041806)
[87] (WO2014/003913)
[30] US (13/535,218) 2012-06-27

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[13] C
[51] **Int.Cl. F04D 7/04 (2006.01) F04D 29/42 (2006.01)**
[25] EN
[54] **FROTH PUMP AND METHOD**
[54] **POMPE A MOUSSE ET PROCEDE**
[72] LODERER, PAVOL, GB
[72] ROUDNEV, ALEKSANDER S., US
[72] MOSCOSO LAVAGNA, LUIS, AU
[73] WEIR MINERALS EUROPE LIMITED, GB
[85] 2014-09-22
[86] 2013-03-27 (PCT/GB2013/050804)
[87] (WO2013/144623)
[30] GB (1205553.9) 2012-03-29
[30] AU (2012901249) 2012-03-29
[30] GB (1213761.8) 2012-08-02
[30] AU (2012903341) 2012-08-02
[30] GB (1217360.5) 2012-09-28
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[13] C
[51] **Int.Cl. A61K 51/04 (2006.01) A61K 51/00 (2006.01) A61K 51/02 (2006.01)**
[25] EN
[54] **RADIOPHARMACEUTICAL SYNTHESIS METHODS**
[54] **PROCEDES DE SYNTHESE D'AGENT RADIOPHARMACEUTIQUE**
[72] CESATI, RICHARD R., US
[72] CASTNER, JAMES F., US
[73] LANTHEUS MEDICAL IMAGING, INC., US
[85] 2014-10-01
[86] 2013-04-10 (PCT/US2013/036027)
[87] (WO2013/173004)
[30] US (61/622,515) 2012-04-10
[30] US (61/785,623) 2013-03-14

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[51] **Int.Cl. A23L 7/109 (2016.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING FRESH PASTA**
[54] **METHODE DE FABRICATION DE PATES ALIMENTAIRES FRAICHES**
[72] IRIE, KENTAROU, JP
[72] SUGA, YOUHEI, JP
[72] KOIZUMI, NORIO, JP
[72] WATANABE, TAKENORI, JP
[72] YOSHIDA, TSUGUHIKO, JP
[73] NISSHIN FOODS INC., JP
[85] 2014-10-06
[86] 2013-03-01 (PCT/JP2013/055722)
[87] (WO2013/157309)
[30] JP (2012-095719) 2012-04-19
[30] CN (201210175036.4) 2012-05-31

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[54] **DISPOSITIF DE FIXATION CHIRURGICAL**
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[72] SCHWITZKY, VOLKMAR ROLF, DE
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[54] **COUCHE A EFFET OPTIQUE**
[72] DEGOTT, PIERRE, CH
[72] SCHMID, MATHIEU, CH
[72] DESPLAND, CLAUDE ALAIN, CH
[72] AMERASINGHE, CEDRIC, CH
[73] SICPA HOLDING SA, CH
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[54] **REVERSING DOUBLE - FLOW GEARBOX ARRANGEMENT, MAINLY FOR MOTOR VEHICLES AND CONSTRUCTION MACHINES, WITH TWO BRANCHES OF OUTPUT FLOW**
[54] **AGENCEMENT DE BOITE DE VITESSES A DOUBLE FLUX REVERSIBLE, PRINCIPALEMENT POUR VEHICULES AUTOMOBILES ET ENGINS DE CHANTIER, COMPORTANT DEUX BRANCHES DE FLUX DE SORTIE**
[72] LUKES, MIROSLAV, CZ
[72] LUKAS, JAN, CZ
[72] SLEZAK, MARTIN, CZ
[73] ZETOR TRACTORS A.S., CZ
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[54] **PROCEDE ET CATALYSEUR POUR LA SYNTHESE D'AZIRIDINE**
[72] BEW, SEAN PATRICK, GB
[72] THURSTON, SEAN MICHAEL, GB
[72] PESCE, PAOLO, IT
[73] UNIVERSITY OF EAST ANGLIA, GB
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[54] **ENSEMBLE POMPE A DIAPHRAGME ET SOUPAPE**
[72] PILCHER, MATTHEW ROBERT, US
[72] RANCOURT, NICHOLAS ALLEN, US
[72] HU, JIM, US
[73] NORTHERN TOOL & EQUIPMENT COMPANY, INC., US
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[25] EN
[54] **CARBON BAKING OXYGEN PREHEAT AND HEAT RECOVERY FIRING SYSTEM**
[54] **SYSTEME D'ALLUMAGE A RECUPERATION DE CHALEUR ET DE PRECHAUFFAGE D'OXYGENE POUR CUISSON DE CARBONE**
[72] MCGEE, MIKE, US
[72] HAINES, TOM, US
[72] MEYER, KENNETH, US
[72] HILLOCK, STEVE, US
[73] FLUOR TECHNOLOGIES CORPORATION, US
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[54] **GUIDE D'ELEMENT DE SCELLEMENT ETANCHE**
[72] BAILEY, THOMAS F., US
[72] CHAMBERS, JAMES W., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **RECIPIENT DE STOCKAGE DE SERINGUE**
[72] IWASE YOICHIRO, JP
[72] OGAWA JUNICHI, JP
[72] TACHIKAWA KOUICHI, JP
[73] TERUMO KABUSHIKI KAISHA, JP
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[54] **MACHINE POUVANT ETRE POUSSEE A LA MAIN POUR L'ENTRETIEN DES RAILS**
[72] WIDLROITHER, OTTO, DE
[73] ROBEL BAHNBAUMASCHINEN GMBH, DE
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[54] **VETEMENT DE PROTECTION A PARTIES BARRIERES THERMIQUES ELASTIQUES**
[72] CURTIS, NICHOLAS J., US
[73] LION GROUP, INC., US
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[54] **LUBRICATING OIL COMPOSITION AND METHOD FOR LUBRICATING SLIDING MATERIAL WHILE PREVENTING ELUTION OF COPPER AND LEAD**
[54] **COMPOSITION D'HUILE LUBRIFIANTE, ET PROCEDE DE LUBRIFICATION DE MATIERE DE GLISSEMENT TOUT EN EMPECHANT L'ELUTION DE CUIVRE ET DE PLOMB**
[72] YAGISHITA, KAZUHIRO, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[85] 2015-01-26
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[54] **DRESSING AND APPARATUS FOR CLEANSING THE WOUNDS**
[54] **PANSEMENT ET APPAREIL POUR NETTOYER LES BLESSURES**
[72] BLOTT, PATRICK LEWIS, GB
[72] HARTWELL, EDWARD YERBURY, GB
[72] LEE-WEBB, JULIAN, GB
[72] NICOLINI, DEREK, GB
[73] SMITH & NEPHEW, PLC, GB
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[25] EN
[54] **LARGE SCALE ENZYMATIC SYNTHESIS OF OLIGOSACCHARIDES**
[54] **SYNTHESE ENZYMATIQUE A GRANDE ECHELLE D'OLIGOSACCHARIDES**
[72] WONG, CHI-HUEY, US
[72] WU, CHUNG-YI, TW
[72] TSAI, TSUNG-I, TW
[73] ACADEMIA SINICA, TW
[85] 2015-02-17
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[54] **ROLL-UP DOOR AND GUIDE SYSTEM THEREFOR**
[54] **PORTE A ENROULEMENT ET SON SYSTEME DE GUIDAGE**
[72] MILLER, ROBERT, US
[72] PETERS, MICHAEL D., US
[72] WHEALON, JOHN, US
[73] ASSA ABLOY ENTRANCE SYSTEMS AB, SE
[85] 2015-02-24
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[54] **A METHOD AND AN APPARATUS FOR PROCESSING BIRDS ON A CONVEYOR**
[54] **PROCEDE ET APPAREIL POUR LE TRAITEMENT D'OISEAUX SUR UN CONVOYEUR**
[72] PEDERSEN, PER, DK
[72] JENSEN, JONAS, DK
[72] HAKONSEN, ANDERS JUL, DK
[73] LINCO FOOD SYSTEMS A/S, DK
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[25] EN
[54] **SNIPPET MATCHING IN FILE SHARING NETWORKS**
[54] **MISE EN CORRESPONDANCE D'ENTREFILETS DANS DES RESEAUX DE PARTAGE DE FICHIER**
[72] BOBACK, ROBERT J., US
[72] CHOPRA, ANJU, US
[73] KROLL INFORMATION ASSURANCE, LLC, US
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[54] **GEOTHERMAL PYROLYSIS PROCESS AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PYROLYSE GEOTHERMIQUE**
[72] SELDNER, JOSHUA, US
[73] SELDNER, JOSHUA, US
[85] 2015-03-19
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[25] EN
[54] **SALTS OF SAXAGLIPTIN WITH ORGANIC ACIDS**
[54] **SELS DE SAXAGLIPTINE AVEC DES ACIDES ORGANIQUES**
[72] AKBARALI, PADIYATH MOHAMMED, IN
[72] KINTALI, VENKATA RAMANA, IN
[72] H N, SHREENIVASA MURTHY, IN
[72] SHETTY, PRAKASH BHASKAR, IN
[72] MALLYA, NARENDRA MANJESHWAR, IN
[72] REDDY, VENKATARAMANA LACHHI, IN
[73] APOTEX INC., CA
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[25] EN
[54] **STORAGE BAG WITH VISUALLY DISTINCT FEATURES PROVIDING THE BAG WITH AN ASYMMETRIC APPEARANCE**
[54] **SAC DE RANGEMENT AVEC DES CARACTERISTIQUES VISUELLEMENT DISTINCTES CONFERANT AU SAC UNE APPARENCE ASYMETRIQUE**
[72] DAIS, BRIAN C., US
[72] MUSALIAR, IMTIAZ A., US
[72] LY, BUNLIM, US
[72] HORN, JONATHAN DAVID, US
[72] WEISENBERGER, PAMELA J., US
[72] PORCHIA, JOSE, US
[72] ALTHOFF, CHARLES P., US
[72] COHEN, ERICA EDEN, US
[73] S.C. JOHNSON & SON, INC., US
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[86] 2013-09-26 (PCT/US2013/061916)
[87] (WO2014/052587)
[30] US (13/631,617) 2012-09-28
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[54] **DONGLE FACILITATED WIRELESS CONSUMER PAYMENTS**
[54] **PAIEMENTS SANS FIL DE CONSOMMATEURS FACILITES PAR UNE CLE ELECTRONIQUE**
[72] GOVINDARAJAN, SATISH NARAYAN, US
[72] GRANBERY, JOHN HASTINGS, US
[73] PAYPAL, INC., US
[85] 2015-04-21
[86] 2013-12-30 (PCT/US2013/078360)
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[51] **Int.Cl. G01S 19/48 (2010.01) G01S 19/52 (2010.01) G01P 13/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO DETERMINE ACTIONABLE POSITION AND SPEED IN GNSS APPLICATIONS**
[54] **PROCEDE ET APPAREIL POUR DETERMINER UNE POSITION ET UNE VITESSE ACTIONNABLES DANS DES APPLICATIONS GNSS**
[72] MCFARLAND, SCOTT, US
[72] GRIFFITH, KEITH, US
[72] SELTZER, RICK, US
[73] RADIO SYSTEMS CORPORATION, US
[85] 2015-04-27
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[25] FR
[54] **AIRCRAFT PROPELLED BY A TURBOJET ENGINE WITH CONTRAROTATING FANS**
[54] **AERONEF PROPULSE PAR UN TURBOREACTEUR A SOUFFLANTES CONTRAROTATIVES**
[72] GALLET, FRANCOIS, FR
[73] SNECMA, FR
[85] 2015-04-29
[86] 2013-10-29 (PCT/FR2013/052583)
[87] (WO2014/072615)
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[25] EN
[54] **NON-WOVEN ELECTRET FIBROUS WEBS AND METHODS OF MAKING SAME**
[54] **NAPPES FIBREUSES NON TISSEES EN ELECTRET ET LEURS PROCEDES DE FABRICATION**
[72] BOTH, HENDRIK, NL
[72] FOX, ANDREW R., US
[72] LE NORMAND, JEAN, FR
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2015-05-26
[86] 2012-12-14 (PCT/US2012/069665)
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[25] EN
[54] **A MEDICINAL COMPOSITION OF EXTRACT OF SEED OF EMBLICA OFFICINALIS AND METHOD OF PREPARING THE SAME**
[54] **COMPOSITION MEDICINALE D'EXTRAIT DE GRAINE D'EMBLICA OFFICINALIS ET PROCEDE POUR LA PREPARER**
[72] ANTONY, BENNY, IN
[73] ANTONY, BENNY, IN
[85] 2015-02-09
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[87] (WO2015/052728)
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[25] EN
[54] **MULTIMODAL PARTICLES, METHODS AND USES THEREOF**
[54] **PARTICULES MULTIMODALES, PROCEDES ET UTILISATIONS ASSOCIEES**
[72] HARMSEN, STEFAN, US
[72] WALL, MATTHEW, US
[72] KIRCHER, MORITZ, US
[73] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2015-06-10
[86] 2013-12-19 (PCT/US2013/076475)
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[51] **Int.Cl. G06F 8/60 (2018.01)**
[25] EN
[54] **COMPUTER-IMPLEMENTED METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR DEPLOYING AN APPLICATION ON A COMPUTING RESOURCE**
[54] **PROCEDE MIS EN □UVRE PAR ORDINATEUR, SYSTEME ET PRODUIT DE PROGRAMME D'ORDINATEUR POUR DEPLOYER UNE APPLICATION SUR UNE RESSOURCE INFORMATIQUE**
[72] RUEHL, STEFAN TOBIAS, DE
[72] VERCLAS, STEPHAN, DE
[73] DEUTSCHE TELEKOM AG, DE
[85] 2015-06-10
[86] 2013-11-08 (PCT/EP2013/073423)
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[25] EN
[54] **ESTERIFICATION OF 2,5-FURAN-DICARBOXYLIC ACID**
[54] **ESTERIFICATION D'ACIDE 2,5-FURAN-DICARBOXYLIQUE**
[72] STENSRUD, KENNETH, US
[72] VENKITASUBRAMANIAN, PADMESH, US
[73] ARCHER-DANIELS-MIDLAND COMPANY, US
[85] 2015-05-28
[86] 2013-12-09 (PCT/US2013/073821)
[87] (WO2014/099438)
[30] US (61/739,761) 2012-12-20

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[13] C
[51] **Int.Cl. H04L 9/32 (2006.01) H04W 12/08 (2009.01) H04W 80/02 (2009.01)**
[25] EN
[54] **DEVICE PAIRING AND LOGIN FOR DIFFERENT NETWORK SERVICES OFFERED AT HOSPITALITY ESTABLISHMENT**
[54] **PAIRAGE DE DISPOSITIF ET OUVERTURE DE SESSION POUR DIFFERENTS SERVICES RESEAU OFFERT DANS UN ETABLISSEMENT D'HEBERGEMENT**
[72] WARRICK, PETER S., CA
[72] CASSIDY, BRENDAN G., CA
[72] CARRIERE, LINDSEY M., CA
[72] CARRIERE, LYNDON J., CA
[72] SEGSTRO, AARON J., CA
[73] GUEST TEK INTERACTIVE ENTERTAINMENT LTD., CA
[86] (2895240)
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[22] 2015-06-16
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[51] **Int.Cl. A61K 9/20 (2006.01)**
[25] EN
[54] **ORALLY DISINTEGRATING TABLET FORMULATION FOR ENHANCED BIOAVAILABILITY**
[54] **FORMULATION DE COMPRIME A DESINTEGRATION ORALE POUR UNE MEILLEURE BIODISPONIBILITE**
[72] DJORDJEVIC, JELENA, US
[72] BOMMANA, MURALI MOHAN, US
[72] PHUAPRADIT, WANTANEE, US
[72] SHAH, NAVNIT H., US
[72] PIZZO, CHRISTOPHER A., US
[73] KASHIV BIOSCIENCES, LLC, US
[85] 2015-06-17
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[30] US (61/739,813) 2012-12-20
[30] US (61/749,040) 2013-01-04

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[51] **Int.Cl. F41H 1/02 (2006.01) D04B 1/00 (2006.01) D04B 1/22 (2006.01)**
[25] EN
[54] **FABRICS WITH BALLISTIC PROTECTION AND GARMENTS MADE FROM SAME**
[54] **TISSUS A PROTECTION BALISTIQUE ET VETEMENTS REALISES AVEC CES DERNIERS**
[72] CUSHINGHAM, STEVEN JOHN, US
[72] STANHOPE, MICHAEL T., US
[72] DUNN, CHARLES S., US
[73] SOUTHERN MILLS, INC., US
[85] 2015-06-19
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[30] US (61/848,150) 2012-12-21
[30] US (61/852,253) 2013-03-15

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[51] **Int.Cl. B22D 41/50 (2006.01)**
[25] EN
[54] **SUBMERGED ENTRY NOZZLE**
[54] **BUSE A ENTREE SUBMERGEE**
[72] NITZL, GERALD, AT
[72] HASLINGER, HANS-JURGEN, AT
[73] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
[85] 2015-06-22
[86] 2014-01-06 (PCT/EP2014/050083)
[87] (WO2014/127921)
[30] EP (13156506.1) 2013-02-25

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[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **SEALING DEVICE AND DELIVERY SYSTEM**
[54] **DISPOSITIF D'ETANCHEITE ET MECANISME DE LIVRAISON**
[72] GOBLE, JACOB A., US
[72] LURIE, BRANDON A., US
[72] MASTERS, STEVEN J., US
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[72] MCCLURE, RICHARD L., US
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[54] **LOCOMOTIVE HEADLAMP**
[54] **PHARE AVANT DE LOCOMOTIVE**
[72] MESSER, DANIEL, CA
[72] DONNAN, JOSEPH, US
[73] RAILHEAD CORPORATION, US
[73] MESSER, DANIEL, CA
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[54] **METHOD AND SYSTEM FOR INCREASING SAFETY IN A BOARDING AREA AND FOR OPTIMISING USAGE OF THE CAPACITY IN TRANSPORT MEANS**
[54] **METHODE ET SYSTEME D'AUGMENTATION DE LA SECURITE DANS LA ZONE D'EMBARQUEMENT ET D'OPTIMISATION DE L'UTILISATION DE LA CAPACITE DANS LES MOYENS DE TRANSPORT**
[72] KOBLER, RICHARD, AT
[72] HULAN, THOMAS, AT
[73] SKIDATA AG, AT
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[54] **METHOD FOR THE REHABILITATION OF A PIPELINE, APPLICATION DEVICE AND READ-OUT DEVICE**
[54] **METHODE SERVANT A LA REMISE EN SERVICE D'UN PIPELINE, DISPOSITIF D'APPLICATION ET DISPOSITIF D'AFFICHAGE**
[72] BICHLER, ANDREAS, NL
[72] HAGENBERG, HENDRIK WILLEM, NL
[73] TRELLEBORG PIPE SEALS DUISBURG GMBH, DE
[86] (2899753)
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[54] **IMMUNOLOGICAL COMPOSITION FOR ORAL ADMINSTRATION AND METHOD FOR PREPARATION THEREOF**
[54] **COMPOSITION IMMUNOLOGIQUE DESTINEE A L'ADMINISTRATION ORALE ET METHODE DE PREPARATION ASSOCIEE**
[72] MOREFIELD, GARRY, US
[73] VAXFORM LLC, US
[85] 2015-09-01
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[54] **PROVIDING ANTENNA DIVERSITY IN A WIRELESS COMMUNICATION SYSTEM**
[54] **DIVERSITE D'ANTENNES DANS UN SYSTEME DE COMMUNICATIONS SANS FIL**
[72] KADOUS, TAMER, US
[72] BHUSHAN, NAGA, US
[72] GOROKHOV, ALEXEI, US
[73] QUALCOMM INCORPORATED, US
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[54] **HOT-DIP ZINC ALLOY COATED STEEL SHEET EXCELLENT IN COATING ADHESION, AND METHOD FOR PRODUCING THE SAME**
[54] **PLAQUE D'ACIER GALVANISEE PAR IMMERSION A CHAUD AYANT UNE EXCELLENTE ADHERENCE DE REVETEMENT ET SON PROCEDE DE FABRICATION**
[72] URANAKA, MASAAKI, JP
[72] SHIMIZU, TAKESHI, JP
[72] HIRATA, KENTARO, JP
[73] NIPPON STEEL NISSHIN CO., LTD., JP
[85] 2015-09-04
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[54] **ACCUMULATOR BATTERY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE BATTERIE RECHARGEABLE**
[72] IVANOV, ANDREI VLADIMIROVICH, RU
[73] OBSCHESTVO S OGRANICHENNOI OTVETSTVENNOSTYU "ENSOL TEKHNOLOGII", RU
[85] 2015-09-21
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[54] **METHOD FOR PROCESSING STEEL SLAG AND HYDRAULIC MINERAL BINDER**
[54] **PROCEDE DE PREPARATION DE SCORIES D'ACIERIE ET LIANT MINERAL HYDRAULIQUE**
[72] WULFERT, HOLGER, DE
[72] LUDWIG, HORST MICHAEL, DE
[73] LOESCHE GMBH, DE
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[54] **STACKABLE MODULAR ROTATABLE GARDENING SYSTEM**
[54] **SYSTEME DE JARDINAGE PIVOTANT MODULAIRE EMPILABLE**
[72] GALLANT, JIM, CA
[73] ROTO-GRO INC., CA
[86] (2908184)
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[54] **LCD SOURCE DRIVER FEEDBACK SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RETROACTION DE DISPOSITIF DE PILOTAGE DE SOURCE LCD**
[72] LEMONS, CHARLES, US
[72] BAEK, GARY, US
[72] PRESTON, STEVE, US
[72] WILLIAMS, DAVID, US
[73] AMERICAN PANEL CORPORATION, US
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[25] EN
[54] **BIOLOGICAL FLUID SEPARATION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**
[54] **DISPOSITIF DE SEPARATION DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'EXAMEN DE FLUIDE BIOLOGIQUE**
[72] MARCHIARULLO, DANIEL J., US
[72] WILKINSON, BRADLEY M., US
[73] BECTON, DICKINSON AND COMPANY, US
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[54] **VEHICLE POSITION DETERMINING SYSTEM AND METHOD OF USING THE SAME**
[54] **SYSTEME DE DETERMINATION DE POSITION DE VEHICULE ET PROCEDE D'UTILISATION DE CE DERNIER**
[72] SCHWELLNUS, CARL, CA
[72] BANTIN, COLIN, CA
[73] THALES CANADA INC., CA
[85] 2015-10-14
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[54] **SKIN SUBSTITUTES AND METHODS FOR HAIR FOLLICLE NEOGENESIS**
[54] **SUBSTITUTS CUTANES ET PROCEDES POUR LA NEOGENESE DES FOLLICULES PILEUX**
[72] THANGAPAZHAM, RAJESH, US
[72] DARLING, THOMAS N., US
[72] LI, SHAOWEI, US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
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[54] **HEATABLE PATHWAY SYSTEM FOR TRAFFIC**
[54] **SYSTEME DE PASSAGE CHAUFFANT POUR LA CIRCULATION**
[72] SZEKELY, KENNETH, CA
[73] ASTRA CAPITAL INCORPORATED, CA
[86] (2912534)
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[54] **DISPOSITIF ET PROCEDE DE COMMANDE D'UNE SOURCE LUMINEUSE**
[72] MOKHTARI, RAMIN LAVAE, DE
[72] ASCHEID, GERD, DE
[73] ICE GATEWAY GMBH, DE
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[54] **NOVEL DUAL-TARGETING PROTEIN BINDING SPECIFICALLY TO DLL4 AND VEGF AND USE THEREOF**
[54] **NOUVELLES PROTEINES A DOUBLE CIBLE SE LIANT SPECIFIQUEMENT A DLL4 ET VEGF ET SON UTILISATION**
[72] LEE, DONG HEON, KR
[72] MOON, KYUNG DUK, KR
[72] CHOI, YU BIN, KR
[72] KANG, KYUNG JAE, KR
[72] KIM, DONG IN, KR
[72] AHN, JIN HYUNG, KR
[72] YOU, WEON KYOO, KR
[72] JUNG, JINWON, KR
[73] ABLBIO, KR
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[54] **METHOD OF SEPARATING ORGANOFLUORINE COMPOUNDS USING MEMBRANE**
[54] **PROCEDE DE SEPARATION DE COMPOSES ORGANOFLUORES A L'AIDE D'UNE MEMBRANE**
[72] ELSHEIKH, MAHER Y., US
[72] WISMER, JOHN A. (DECEASED), US
[72] SESHADRI, SRI R., US
[73] ARKEMA INC., US
[85] 2016-01-11
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[54] **ADJUSTING SURFACTANT CONCENTRATIONS DURING HYDRAULIC FRACTURING**
[54] **REGLAGE DE CONCENTRATIONS DE SURFACTANT PENDANT UNE FRACTURATION HYDRAULIQUE**
[72] WEAVER, JIM D., US
[72] MCCABE, MICHAEL A., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **AN APPARATUS COMPRISING A SEALING ELEMENT**
[54] **APPAREIL COMPRENANT UN ELEMENT D'ETANCHEITE**
[72] VATOVEC, ANDRAZ, GB
[72] PADDOCK, ANDREW, GB
[73] MESSIER-DOWTY LIMITED, GB
[85] 2016-01-27
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[54] **INFUSION PUMP ASSEMBLY**
[54] **SYSTEME DE POMPE A PERFUSION**
[72] KAMEN, DEAN, US
[72] KERWIN, JOHN MATTHEW, US
[72] MURPHY, COLIN HOLMES, US
[72] FICHERA, STEPHEN LEWIS, US
[72] GRAY, LARRY BRIAN, US
[72] GUAY, GERALD MICHAEL, US
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[73] DEKA PRODUCTS LIMITED PARTNERSHIP, US
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[54] **DATA DEDUPLICATION METHOD AND STORAGE ARRAY**
[54] **METHODE DE DEDOUBLEMENT DE DONNEES ET RESEAU DE STOCKAGE**
[72] ZHANG, WEI, CN
[72] LV, XIANHONG, CN
[72] WEI, MINGCHANG, CN
[72] ZHANG, CHENYI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **PROCEDE D'EXTRUSION DOUBLE VIS DE CELLULOID EN CONTINU**
[72] DUBOIS, CHARLES, CA
[72] COMTOIS, ETIENNE, CA
[73] GENERAL DYNAMICS ORDNANCE AND TACTICAL SYSTEMS - CANADA VALLEYFIELD INC., CA
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[54] **METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING A BROADCAST SIGNAL**
[54] **METHODE ET APPAREIL DE TRANSMISSION ET RECEPTION D'UN SIGNAL DIFFUSE**
[72] KWON, WOOSUK, KR
[72] MOON, KYOUNGSOO, KR
[72] KWAK, MINSUNG, KR
[73] LG ELECTRONICS INC., KR
[85] 2016-02-22
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[54] **BALL AND SOCKET**
[54] **BILLE ET DOUILLE**
[72] JAMES, TIM, US
[73] DOWCO, INC., US
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[54] **CEILING-MOUNTED BAFFLE SYSTEM**
[54] **SYSTEME D'ENCEINTE MONTE AU PLAFOND**
[72] WATERS, JAMES R., US
[73] AWI LICENSING LLC, US
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[54] **ENSEMBLE JOINT STRATIFIE POUR TURBINE A GAZ COMPRENANT DES PREMIERE ET SECONDE COUCHES ALVEOLEES ET UNE PLAQUE D'ETANCHEITE INTERMEDIAIRE PERFOREE ENTRE ELLES**
[72] GONYOU, CRAIG ALAN, US
[72] UPDIKE, GREGORY ALLEN, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **RADIOTHERAPY SYSTEM WITH ADVANCED GRAPHICAL USER INTERFACE**
[54] **SYSTEME DE RADIOTHERAPIE COMPORTANT UNE INTERFACE UTILISATEUR GRAPHIQUE EVOLUEE**
[72] LANE, DEREK GRAHAM, US
[72] LONG, ANDREW PHILIP, GB
[73] ELEKTA AB (PUBL), SE
[85] 2016-02-26
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[54] **INSTRUMENT D'ESSAI RMN TRIAXIAL**
[72] HAKIMUDDIN, MUSTAFA, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
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[54] **APPARATUS AND METHOD FOR CONNECTING TUBULARS OF A WELLSITE**
[54] **APPAREIL ET PROCEDE PERMETTANT DE RACCORDER DES ELEMENTS TUBULAIRES D'UN EMPLACEMENT DE FORAGE**
[72] JAHNKE, DOUGLAS AARON, US
[73] NATIONAL OILWELL VARCO, L.P., US
[85] 2016-03-10
[86] 2014-08-26 (PCT/US2014/052770)
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[25] EN
[54] **E. COLI SEPARATOME-BASED PROTEIN EXPRESSION AND PURIFICATION PLATFORM**
[54] **PLATE-FORME DE PURIFICATION ET D'EXPRESSION DE PROTEINES SUR LA BASE DU SEPARATOME DE E. COLI**
[72] BRUNE, ELLEN M., US
[72] BEITLE, ROBERT R., JR., US
[72] ATAAI, MOHAMMAD M., US
[72] BARTLOW, PATRICK R., US
[72] HENRY, RALPH L., US
[73] BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US
[73] UNIVERSITY OF PITTSBURGH- OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
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[25] EN
[54] **VECTOR SENSOR FOR MEASURING PARTICLE MOVEMENT IN A MEDIUM**
[54] **CAPTEUR DE VECTEUR POUR MESURER UN MOUVEMENT DE PARTICULE DANS UN MILIEU**
[72] LINNE, MARKUS, SE
[72] SIGRAY, PETER, SE
[73] TOTALFORSVARETS FORSKNINGSINSTITUT, SE
[85] 2016-03-24
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[25] EN
[54] **TISSUE ENGINEERING METHODS AND COMPOSITIONS**
[54] **METHODES ET COMPOSITIONS DE GENIE TISSULAIRE**
[72] GUILAK, FARSHID, US
[72] ESTES, BRADLEY T., US
[72] WU, ARTHUR W., US
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[54] **REMOVABLE LED MODULE WITH TILTING ADJUSTMENT MECHANISM**
[54] **MODULE DEL AMOVIBLE DOTE D'UN MECANISME D'AJUSTEMENT D'INCLINAISON**
[72] CLARK, STEPHEN H., US
[72] STAUNER, JOSEPH, US
[73] ABL IP HOLDING LLC, US
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[54] **CUTTING TOOTH FOR A STUMP CUTTING APPARATUS**
[54] **DENT COUPANTE POUR APPAREIL DE DESSOUCHAGE**
[72] GREEN, KEVIN J., US
[72] HOLLY, BRIAN P., US
[73] GREEN MANUFACTURING, INC., US
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[54] **METHOD OF DEPOSITING ABRADABLE COATINGS UNDER POLYMER GELS**
[54] **PROCEDE DE DEPOT DE REVETEMENTS ABRADABLES DANS DES GELS POLYMERES**
[72] KIRBY, GLEN HAROLD, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-06-02
[86] 2014-11-07 (PCT/US2014/064576)
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[54] **HYDRAULIC CIRCUITRY FOR SKID STEER LOADER VALVE**
[54] **CIRCUIT HYDRAULIQUE DESTINE A UNE VANNE DE CHARGEUSE COMPACTE**
[72] SENSABAUGH, CHUCK, US
[72] REYNOLDS, DENNIS, US
[72] SLATTERY, BRIAN, US
[73] PARKER-HANNIFIN CORPORATION, US
[86] (2932777)
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[25] EN
[54] **METHOD FOR ADDITIVELY MANUFACTURING COMPONENT AND COMPONENT MADE THEREFROM**
[54] **METHODE DE FABRICATION PAR AJOUT DE COMPOSANTE ET COMPOSANTE AINSI FABRIQUEE**
[72] GRAHAM, MICHAEL EVANS, US
[72] DEATON, JOHN BRODDUS JR., US
[72] CHEVERTON, MARK ALLEN, US
[72] ADCOCK, THOMAS CHARLES, US
[72] DEAL, ANDREW DAVID, US
[72] JONES, MARSHALL GORDON, US
[72] SINGH, PRABHJOT, US
[73] GENERAL ELECTRIC COMPANY, US
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[22] 2016-06-16
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[25] EN
[54] **BLAST MEDIA FRAGMENTER**
[54] **DISPOSITIF DE FRAGMENTATION DE MILIEU DE PROJECTION**
[72] LEHNIG, TONY R., US
[73] COLD JET LLC, US
[85] 2016-06-16
[86] 2015-01-15 (PCT/US2015/011616)
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[25] EN
[54] **NUTATING FLUID-MECHANICAL ENERGY CONVERTER TO POWER WELLBORE DRILLING**
[54] **CONVERTISSEUR D'ENERGIE MECANIQUE FLUIDE A NUTATION POUR FOURNIR DE L'ENERGIE DE FORAGE DE PUITS DE FORAGE**
[72] MEHTA, KRUNAL KANUBHAI, SG
[72] POYYARA, RAGI LOHIDAKSHAN, IN
[72] RAWOOL, AMITKUMAR SURESH, IN
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-06-20
[86] 2014-01-30 (PCT/US2014/013926)
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[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUDIENCE MEASUREMENT**
[54] **SYSTEMES ET PROCEDES DE MESURE D'AUDIENCE**
[72] MIRISOLA, RAIMUNDO, US
[72] GAYMOND, OLIVER THOMAS, US
[72] ORBAN, ANDRAS, US
[72] STROBL, RETO, US
[73] GOOGLE LLC, US
[85] 2016-06-22
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[54] **COMBINATION MEDIA DISPLAY AND ELECTRONIC ARTICLE SURVEILLANCE PEDESTAL**
[54] **COMBINAISON D'AFFICHEUR MEDIA ET DE SUPPORT DE SURVEILLANCE D'ARTICLE ELECTRONIQUE**
[72] WATKIN, GREG, CA
[73] FLASHGATE TECHNOLOGY LTD., CA
[86] (2936044)
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[51] **Int.Cl. B67D 1/00 (2006.01) B67D 99/00 (2010.01)**
[25] EN
[54] **BEVERAGE DISPENSING DEVICE**
[54] **DISPOSITIF DE DELIVRANCE DE BOISSONS**
[72] DEO, INDRANI, US
[72] JERSEY, STEVEN, US
[73] PEPSICO, INC., US
[86] (2936866)
[87] (2936866)
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[25] EN
[54] **NOVEL IMMUNOTHERAPY AGAINST SEVERAL TUMORS INCLUDING NEURONAL AND BRAIN TUMORS**
[54] **NOUVELLE IMMUNOTHERAPIE DIRIGEE CONTRE PLUSIEURS TUMEURS, Y COMPRIS DES TUMEURS NEURONALES ET CEREBRALES**
[72] SCHOOR, OLIVER, DE
[72] HILF, NORBERT, DE
[72] WEINSCHENK, TONI, DE
[72] TRAUTWEIN, CLAUDIA, DE
[72] WALTER, STEFFEN, DE
[72] SINGH, HARPREET, DE
[73] IMMATICS BIOTECHNOLOGIES GMBH, DE
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[22] 2009-09-28
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[25] EN
[54] **ANTI-COKING COATINGS, PROCESSES THEREFOR, AND HYDROCARBON FLUID PASSAGES PROVIDED THEREWITH**
[54] **REVETEMENTS ANTI-CALAMINE, PROCEDES CORRESPONDANTS, ET PASSAGES DE FLUIDE D'HYDROCARBURES POURVUS DE CEUX-CI**
[72] MCMASTERS, MARIE ANN, US
[72] HASZ, WAYNE CHARLES, US
[72] ZHANG, CHARLES C., US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2016-08-04
[86] 2015-02-13 (PCT/US2015/015801)
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[25] EN
[54] **MULTI-ZONE ACTUATION SYSTEM USING WELLBORE DARTS**
[54] **SYSTEME D'ACTIONNEMENT MULTI-ZONE UTILISANT DES FLECHETTES DE PUITS DE FORAGE**
[72] KEERTHIVASAN, VIJAY KUMAR, SG
[72] FOONG, RYAN ZHE CONG, MY
[72] HOWELL, MATTHEW TODD, US
[72] WALTON, ZACHARY WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-08-08
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[51] **Int.Cl. B29C 44/34 (2006.01) B29B 17/00 (2006.01) B29C 44/42 (2006.01) B29C 44/50 (2006.01)**
[25] EN
[54] **A PROCESS TO RECYCLE EXPANDABLE PLASTIC MATERIALS AND AN EXPANDABLE OR EXPANDED PLASTIC MATERIAL OBTAINABLE THEREBY**
[54] **PROCEDE DE RECYCLAGE DE MATIERES PLASTIQUES EXPANSIBLES ET MATERIAU PLASTIQUE EXPANSIBLE OU EXPANSEE POUVANT ETRE AINSI OBTENUE**
[72] FENNESSEY, SIAN FRANCES, CH
[72] NISING, PHILIP, CH
[72] WEBER, JORG, CH
[72] LIPPUNER, JAN, CH
[73] SULZER MANAGEMENT AG, CH
[85] 2016-08-31
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[25] EN
[54] **TREATMENT OF MALE ANDROGEN DEFICIENCY SYMPTOMS OR DISEASES WITH SEX STEROID PRECURSOR COMBINED WITH SERM**
[54] **TRAITEMENT DES SYMPTOMES OU DES MALADIES DE CARENCE EN ANDROGENES PAR DES PRECURSEURS DE STEROIDES SEXUELS EN COMBINAISON AVEC DES SERM**
[72] LABRIE, FERNAND, CA
[72] GAUTHIER, SYLVAIN, CA
[73] ENDORECHERCHE, INC., CA
[85] 2016-09-09
[86] 2015-03-09 (PCT/CA2015/000142)
[87] (WO2015/135061)
[30] US (61/950,644) 2014-03-10
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[51] **Int.Cl. C08F 222/02 (2006.01) C08L 35/00 (2006.01)**
[25] EN
[54] **PROCESS TO OBTAIN RANDOM TERPOLYMERS DERIVED FROM ITACONIC ACID, ACONITIC ACID AND/OR ITS ISOMERS, AND ALKENYL SULFONATES AND USE OF THE PRODUCT THEREOF**
[54] **PROCEDE D'OBTENTION DE TERPOLYMERES ALEATOIRES A PARTIR D'ACIDE ITACONIQUE, ACIDE ACONITIQUE ET/OU SES ISOMERES, ET SULFONATES ALKENYLESET UTIL ISATION DU PRODUIT OBTENU**
[72] PONS JIMENEZ, MIRNA, MX
[72] HERNANDEZ ALTAMIRANO, RAUL, MX
[72] MARTINEZ MAGADAN, JOSE MANUEL, MX
[72] RAMIREZ ESTRADA, ALEJANDRO, MX
[72] ZAMUDIO RIVERA, LUIS SILVESTRE, MX
[73] INSTITUTO MEXICANO DEL PETROLEO, MX
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[54] **HOLLOW VANE WITH STRUCTURE**
[54] **AUBE CREUSE AVEC STRUCTURE**
[72] POVINELLI, ANTHONY JOHN, US
[73] MAGNA INTERNATIONAL INC., CA
[85] 2016-09-20
[86] 2015-03-11 (PCT/US2015/019921)
[87] (WO2015/142582)
[30] US (61/968,087) 2014-03-20

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[25] EN
[54] **ELECTRONIC VOUCHER TICKET SYSTEM**
[54] **SYSTEME DE BON D'ECHANGE ELECTRONIQUE**
[72] TSUTSUI, YUICHIRO, JP
[73] JCM AMERICAN CORPORATION, US
[86] (2943470)
[87] (2943470)
[22] 2016-09-28
[30] US (14/869,788) 2015-09-29

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[54] **ELECTRONIC VOUCHER TICKET SYSTEM**
[54] **SYSTEME DE BON D'ECHANGE ELECTRONIQUE**
[72] TSUTSUI, YUICHIRO, JP
[73] JCM AMERICAN CORPORATION, US
[86] (2943479)
[87] (2943479)
[22] 2016-09-28
[30] US (14/869,898) 2015-09-29

[11] **2,944,061**
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[51] **Int.Cl. C22C 21/00 (2006.01) C22F 1/05 (2006.01)**
[25] EN
[54] **HIGHLY FORMABLE, MEDIUM-STRENGTH ALUMINIUM ALLOY FOR THE MANUFACTURE OF SEMI-FINISHED PRODUCTS OR COMPONENTS OF MOTOR VEHICLES**
[54] **ALLIAGE D'ALUMINIUM DE RESISTANCE MECANIQUE INTERMEDIAIRE, HAUTEMENT FACONNABLE POUR FABRIQUER DES DEMI-PRODUITS OU DES PIECES DE VEHICULES AUTOMOBILES**
[72] HENTSCHEL, THOMAS, DE
[72] BRINKMAN, HENK-JAN, DE
[72] ENGLER, OLAF, DE
[72] MILLER-JUPP, SIMON, DE
[73] HYDRO ALUMINIUM ROLLED PRODUCTS GMBH, DE
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[54] **FLUID STORAGE TANK**
[54] **RESERVOIR DE STOCKAGE DE FLUIDE**
[72] STEINKE, DANIEL, CA
[73] STEINKE, DANIEL, CA
[86] (2944164)
[87] (2944164)
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[25] EN
[54] **ANTIBODY-DRUG-CONJUGATE AND ITS USE FOR THE TREATMENT OF CANCER**
[54] **CONJUGUE ANTICORPS-MEDICAMENT ET SON UTILISATION POUR LE TRAITEMENT DU CANCER**
[72] RILATT, IAN, FR
[72] PEREZ, MICHEL, FR
[72] GOETSCH, LILIANE, FR
[72] BROUSSAS, MATTHIEU, FR
[72] BEAU-LARVOR, CHARLOTTE, FR
[72] HAEUW, JEAN-FRANCOIS, FR
[73] PIERRE FABRE MEDICAMENT, FR
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[25] EN
[54] **METHOD AND APPARATUS FOR VACUUM DRYING GRANULAR RESIN MATERIAL**
[54] **PROCEDE ET APPAREIL DE SECHAGE SOUS VIDE DE MATERIAU DE RESINE GRANULAIRE**
[72] MAGUIRE, STEPHEN B., US
[72] GERA, MICHAEL E., US
[73] MAGUIRE, STEPHEN B., US
[73] MAGUIRE PRODUCTS, INC., US
[85] 2016-10-26
[86] 2015-04-30 (PCT/US2015/028472)
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[51] **Int.Cl. G07C 13/00 (2006.01) G06Q 50/26 (2012.01) G06F 21/31 (2013.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE VOTING**
[54] **SYSTEME ET PROCEDE POUR UN VOTE SECURISE**
[72] BACKERT, ALISA JONES, US
[72] BACKERT, CHRISTOPHER CHARLES, US
[72] DAHL, CHRISTOPHER CHARLES, US
[73] E-GOVERNMENT CONSULTING GROUP, INC., US
[86] (2947177)
[87] (2947177)
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[51] **Int.Cl. G06F 11/36 (2006.01) G06F 9/44 (2018.01)**
[25] EN
[54] **ORCHESTRATING AND PROVIDING A REGRESSION TEST**
[54] **ORCHESTRATION ET FOURNITURE DE TEST DE REGRESSION**
[72] FINGER, MELISSA, US
[72] OSUOHA, CHINWENDU A., US
[72] IRLBECK, JAMES, US
[72] SCHMIDT, DANIEL P., US
[72] GATUZ, RHEGINA S., US
[72] HAWKINS, GERALD L., US
[72] JOSHI, DATTATRAY, US
[72] FRANCISCO, JONATHAN HERRERA, PH
[73] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[86] (2947893)
[87] (2947893)
[22] 2016-11-08
[30] US (62/288,074) 2016-01-28
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[13] C
[51] **Int.Cl. A61M 27/00 (2006.01) A61M 1/00 (2006.01) F04B 33/00 (2006.01) F04B 37/10 (2006.01) F04B 49/08 (2006.01)**
[25] EN
[54] **MANUALLY-ACTUATED REDUCED PRESSURE TREATMENT SYSTEM HAVING REGULATED PRESSURE CAPABILITIES**
[54] **SYSTEME DE TRAITEMENT SOUS PRESSION REDUITE, ACTIONNE A LA MAIN, DOTE DE CAPACITES DE REGULATION DE LA PRESSION**
[72] COULTHARD, RICHARD DANIEL JOHN, GB
[72] ROBINSON, TIMOTHY MARK, GB
[72] LOCKE, CHRISTOPHER BRIAN, GB
[73] KCI LICENSING, INC., US
[86] (2947905)
[87] (2947905)
[22] 2009-05-01
[62] 2,723,138
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[51] **Int.Cl. C07D 519/00 (2006.01) A61K 31/519 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING SPINAL MUSCULAR ATROPHY**
[54] **COMPOSES POUR LE TRAITEMENT D'UNE AMYOTROPHIE SPINALE**
[72] RATNI, HASANE, FR
[72] GREEN, LUKE, CH
[72] NARYSHKIN, NIKOLAI A., US
[72] WEETALL, MARLA L., US
[73] F. HOFFMANN-LA ROCHE AG, CH
[73] PTC THERAPEUTICS INC., US
[85] 2016-11-09
[86] 2015-05-11 (PCT/EP2015/060343)
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[51] **Int.Cl. F16M 11/24 (2006.01) B64F 5/10 (2017.01) B25B 11/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MOVING A STRUCTURE IN A MANUFACTURING ENVIRONMENT**
[54] **APPAREIL ET METHODE DE DEPLACEMENT D'UNE STRUCTURE DANS UN ENVIRONNEMENT DE FABRICATION**
[72] BEST, STEVEN, US
[72] REID, ERIC, US
[72] BUTTRICK, JAMES N., US
[72] MCDONAGH, DANIEL M., US
[72] DESJARDIEN, MATTHEW, US
[73] THE BOEING COMPANY, US
[86] (2948813)
[87] (2948813)
[22] 2014-07-08
[62] 2,856,012
[30] US (13/940843) 2013-07-12

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[13] C
[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **SEALING DEVICE AND DELIVERY SYSTEM**
[54] **DISPOSITIF D'ETANCHEITE ET SYSTEME DE POSE**
[72] BROWN, TYLER J., US
[72] HUA, KHOA, US
[72] NELSON, DEVIN M., US
[72] RUST, KEITH O., US
[73] W. L. GORE & ASSOCIATES, INC., US
[85] 2016-11-14
[86] 2015-06-05 (PCT/US2015/034452)
[87] (WO2015/188087)
[30] US (62/009,026) 2014-06-06
[30] US (14/731,205) 2015-06-04

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[51] **Int.Cl. B25F 1/00 (2006.01) B25B 15/00 (2006.01) B25B 19/00 (2006.01) B25B 23/16 (2006.01)**
[25] EN
[54] **HAND TOOLS**
[54] **OUTILS MANUELS**
[72] HOPPE, CHRISTOPHER S., US
[72] HYMA, STEVEN W., US
[72] SQUIERS, GRANT T., US
[72] HARVEY, KYLE, US
[73] MILWAUKEE ELECTRIC TOOL CORPORATION, US
[86] (2949190)
[87] (2949190)
[22] 2015-07-22
[62] 2,898,019
[30] US (62/027,606) 2014-07-22

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[13] C
[51] **Int.Cl. G10L 19/005 (2013.01)**
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[54] **METHOD AND APPARATUS FOR PROCESSING LOST FRAME**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE TRAME ABANDONNEE**
[72] WANG, BIN, CN
[72] LIU, ZEXIN, CN
[72] MIAO, LEI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **RIDE VEHICLE TRACKING AND CONTROL SYSTEM USING PASSIVE TRACKING ELEMENTS**
[54] **SYSTEME DE SUIVI ET DE COMMANDE DE VEHICULES D'ATTRACTION FORAINE UTILISANT DES ELEMENTS DE SUIVI PASSIF**
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[72] OLIVER, CHRISTOPHER, US
[73] UNIVERSAL CITY STUDIOS LLC, US
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[54] **EXTERNAL STEERABLE FIBER FOR USE IN ENDOLUMINAL DEPLOYMENT OF EXPANDABLE DEVICES**
[54] **FIBRE ORIENTABLE EXTERNE DESTINEE A ETRE UTILISEE DANS LE DEPLOIEMENT ENDOLUMINAL DES DISPOSITIFS EXPANSIBLES**
[72] NORRIS, PATRICK M., US
[73] W.L. GORE & ASSOCIATES, INC., US
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[54] **SYNTHETIC LOGGING FOR RESERVOIR STIMULATION**
[54] **DIAGRAPHIE SYNTHETIQUE POUR STIMULATION DE RESERVOIRS**
[72] STORM, BRUCE H., JR., US
[73] QUANTICO ENERGY SOLUTIONS, LLC., US
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[54] **COMPOSITE PARTICLE HAVING A CORE CONTAINING PD AND A SHELL CONTAINING PT FOR USE AS A STRUCTURAL COMPONENT OF AN ELECTRODE CATALYST**
[54] **PARTICULE COMPOSITE PRESENTANT UNE AME RENFERMANT DU PD ET UNE COQUILLE RENFERMANT DU PT DESTINEE A UNE UTILISATION COMME COMPOSANTE STRUCTURELLE D'UN CATALYSEUR A ELECTRODES**
[72] NAGAMORI, KIYOTAKA, JP
[72] MIZUSAKI, TOMOTERU, JP
[72] NAKAMURA, YOKO, JP
[72] IGARASHI, HIROSHI, JP
[72] SEKI, YASUHIRO, JP
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[54] **HARD SURFACE CLEANING DEVICES**
[54] **APPAREILS DE NETTOYAGE DE SURFACE DURE**
[72] PATTERSON, JOSEPH K., US
[72] BUCKLEY, JAMES M., US
[72] LOMBARDO, JOHN, US
[72] HUDA, STEPHEN, US
[72] ADAMS, PAUL H., US
[72] ROBERTS, BRYAN LEE, JR., DE
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[54] **APPARATUS AND METHOD TO MOVE PRESSURE VESSEL BETWEEN HORIZONTAL AND VERTICAL POSITIONS**
[54] **APPAREIL ET METHODE SERVANT A DEPLACER UN RECIPIENT SOUS PRESSION ENTRE DES POSITIONS HORIZONTALES ET VERTICALES**
[72] NAGGE, RORY, CA
[72] GAR SING CHAN, JEFFREY, CA
[73] ENERCORP SAND SOLUTIONS INC., CA
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[54] **COMPOSITIONS ET METHODES POUR IDENTIFIER DES ANTIGENES**
[72] HIGGINS, DARREN E., US
[72] STARNBACH, MICHAEL N., US
[72] GIERAHN, TODD, US
[72] ROAN, NADIA R., US
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[54] **CLASSEMENT D'UN CONTENU EXTERNE SUR DES RESEAUX SOCIAUX EN LIGNE**
[72] KATIC, VOJIN, US
[73] FACEBOOK, INC., US
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[54] **ADJUSTING AIRFLOW DISTORTION IN GAS TURBINE ENGINE**
[54] **REGLAGE DE LA DISTORSION DE L'ECOULEMENT D'AIR DANS UNE TURBINE A GAZ**
[72] NESTICO, BRIAN FRANCIS, US
[72] KESTNER, BRIAN K., US
[72] MILLER, BRANDON WAYNE, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **STRUCTURE DE JONCTION**
[72] OTSUKA, KENICHIRO, JP
[72] NAKAZAWA, YOSHIAKI, JP
[72] NISHIMURA, RYUICHI, JP
[72] YASUYAMA, MASANORI, JP
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[54] **AGENCEMENT DE LEVAGE D'ARBRE A RONDELLE CONIQUE**
[72] WALTZ, STEPHEN W., US
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[72] ROBERTS, JAMES R., US
[72] SWANSON, JOEL E., US
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[54] **REVETEMENT DE POLYMERE D'HYDROCARBURE HALOGENE**
[72] HUMPHRIES, MARK ROBSON, GB
[72] FERDINANDI, FRANK, GB
[72] SMITH, RODNEY EDWARD, GB
[73] SEMBLANT LIMITED, GB
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[54] **VEHICLE DATA SYSTEM UTILIZING PUBLISH/SUBSCRIBE GATEWAYS**
[54] **SYSTEME DE DONNEES DE VEHICULE EMPLOYANT DES PASSERELLES DE PUBLICATION/ABONNEMENT**
[72] BOTTICELLI, MARK PHILIP, US
[73] TRIMBLE NAVIGATION LIMITED, US
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[54] **COLMATANTS GONFLANT DANS L'EAU**
[72] WALKER, JONATHAN PAUL, US
[72] MILLER, MATTHEW LYNN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **FABRIC CARE COMPOSITIONS CONTAINING A POLYETHERAMINE**
[54] **COMPOSITIONS D'ENTRETIEN DE TISSUS CONTENANT UNE POLYETHERAMINE**
[72] FOSSUM, RENAE DIANNA, US
[72] HULSKOTTER, FRANK, DE
[72] VETTER, NICHOLAS DAVID, US
[72] SCIALLA, STEFANO, IT
[72] LOUGHNANE, BRIAN JOSEPH, US
[72] WAUN, AMY EICHSTADT, US
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[72] LUDOLPH, BJOERN, DE
[72] WIGBERS, CHRISTOF, DE
[72] MAAS, STEFFEN, DE
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[73] THE PROCTER & GAMBLE COMPANY, US
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[54] **APPAREIL DE NETTOYAGE DE DRAIN MOTORISE INSTALLE SUR UN TUYAU**
[72] THOMPSON, PERRY E., CA
[73] THOMPSON, PERRY E., CA
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[54] **SYSTEME DE PORTIERE DE VEHICULE AVEC MODULE D'ENTRAINEMENT DE PUISSANCE**
[72] GRUBER, RUDOLF, CA
[72] DANIELS, ANDREW R., CA
[72] NAGAMANY, BALATHAS, CA
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[54] **COMPOSES D'AMINOPYRIDYLOXYPYRAZOLE**
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[72] COATES, DAVID A., US
[72] JOSEPH, SAJAN, US
[72] MCMILLEN, WILLIAM T., US
[72] PARTHASARATHY, SARAVANAN, US
[72] PEI, HUAXING, US
[72] SAWYER, JASON SCOTT, US
[72] WOLFANGEL, CRAIG D., US
[72] ZHAO, GAIYING, US
[73] ELI LILLY AND COMPANY, US
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[54] **PROCEDE D'ACCROISSEMENT DE L'ADSORPTION DANS LE CHARBON DE BIOMASSE PAR UNE OXYDATION CONTROLEE**
[72] MCLAUGHLIN, HUGH, US
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[54] **FOUNDATION MAKEUP AND CONCEALER COMPOSITION**
[54] **COMPOSITION MAQUILLAGE DU TEINT ET ANTICERNES**
[72] MERCADO, CLARA, US
[72] LOGALBO, JOHN, US
[72] SHIDARA, AYA, US
[72] MCKENNA, LINDA, US
[72] MCGUINNESS, PALMER, US
[72] PARDO, JANET, US
[72] OWEN, THOMAS EDWARD, US
[73] ELC MANAGEMENT LLC, US
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[54] **DEVICE FOR DRUG EVALUATION AND LOCAL TREATMENT**
[54] **DISPOSITIF D'EVALUATION DE MEDICAMENT ET DE TRAITEMENT LOCAL**
[72] TEPPER, ROBERT I., US
[72] HIRSCH, RUSSELL, US
[72] FULLER, JASON E., US
[72] DUDA, JESSICA L., US
[72] MUIR, CRAIG, US
[72] ROSS, JEFFREY S., US
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[73] KIBUR MEDICAL, INC., US
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[54] **SYSTEMS AND METHODS OF SUBJECT STATE CHANGE NOTIFICATION**
[54] **SYSTEMES ET METHODE DE NOTIFICATION DE CHANGEMENT D'ETAT D'UN OBJET**
[72] DECKER, CHRISTIAN REYNOLDS, US
[72] BROWN, TROY STEPHEN, US
[73] GE AVIATION SYSTEMS LLC, US
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[54] **ELECTROCHEMICAL METABOLIC ACTIVITY DETECTING DEVICE**
[54] **DISPOSITIF DE DETECTION D'ACTIVITE METABOLIQUE ELECTROCHIMIQUE**
[72] BESANT, JUSTIN DAVID, CA
[72] KELLEY, SHANA OLWYN, CA
[72] SARGENT, EDWARD HARTLEY, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **GAS TURBINE ENGINE WITH THRUST REVERSER ASSEMBLY AND METHOD OF OPERATING**
[54] **TURBINE A GAZ A DISPOSITIF D'INVERSEUR DE POUSSEE ET METHODE D'EXPLOITATION**
[72] HOWARTH, GRAHAM FRANK, US
[72] ROACH, ANDREW MICHAEL, US
[72] BEASMAN, TIMOTHY ROBERT, US
[73] MRA SYSTEMS, LLC, US
[86] (2966039)
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[54] **LOGEMENT A COURBURE FIXE ET RIGIDITE VARIABLE POUR LE FORAGE DIRECTIONNEL**
[72] SADABADI, HAMID, CA
[72] KIRKHOPE, KENNEDY, CA
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PEINTURE DE TOIT AUTONETTOYANTE ECOENERGETIQUE**
[72] XUE, CHENCHEN, US
[72] TARNG, MING-REN, US
[73] BEHR PROCESS CORPORATION, US
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[54] **ECRAN DE PROJECTION CURVILINEAIRE ET SYSTEME ACOUSTIQUE**
[72] SMALL, DUSTIN, US
[73] BALLANTYNE STRONG, INC., US
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[54] **CASSETTE DE DISTRIBUTION DE TUBE PLISSE**
[72] DUNN, STEVEN BRYAN, US
[72] JOHNSON, KEVIN DOUGLAS, US
[73] MUNCHKIN, INC., US
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[54] **VALVULES PROTHETIQUES A LAMES VALVULAIRES ACCOUPLEES MECANIQUEMENT**
[72] DIENNO, DUSTIN V., US
[72] DUNHAM, MICHAEL G., US
[72] HARTMAN, CODY L., US
[73] W.L. GORE & ASSOCIATES, INC., US
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[54] **SYSTEMES ET PROCEDES DE FABRICATION DE FILAMENT CONTINU EN VRAC**
[72] CLARK, THOMAS R., US
[73] ALADDIN MANUFACTURING CORPORATION, US
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[54] **ENDOPROTHESE EXPANSIBLE A BALLONNET**
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[72] KANJICKAL, DEENU G., US
[72] KILGROW, BRET J., US
[72] KOENIG, JOSEPH B., US
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[72] NISHIMURA, RYUICHI, JP
[72] ITO, YASUHIRO, JP
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[54] **STRUCTURED ADSORBENT BEDS, METHODS OF PRODUCING THE SAME AND USES THEREOF**
[54] **LITS ADSORBANTS STRUCTURES, LEURS PROCEDES DE PRODUCTION ET LEURS UTILISATIONS**
[72] BRODY, JOHN F., US
[72] LETA, DANIEL P., US
[72] FOWLER, TRACY ALAN, US
[72] FREEMAN, STEPHANIE A., US
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[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[54] **METHODES ET SYSTEME D'ARRIVEE, SEQUENCAGE ET ESPACEMENT FONDES SUR LE RENDEMENT**
[72] REN, LILING, US
[72] TOMLINSON, HAROLD WOODRUFF, US
[72] STAUDINGER, VINCENT PAUL, US
[72] BULT, JEFFREY RUSSELL, US
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[72] BORGYOS, SZABOLCS ANDRAS, US
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[54] **RECOVERY OF HEAVY OIL FROM A SUBTERRANEAN RESERVOIR**
[54] **RECUPERATION DE PETROLE LOURD D'UN RESERVOIR SOUTERRAIN**
[72] KHALEDI, RAHMAN, CA
[72] MOTAHHARI, HAMED R., CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
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[54] **UN PROCEDE DE FABRICATION DE PRODUITS DE PAPIER OU DE SERVIETTE COMPORTANT DES NANOFILAMENTS**
[72] ZIEGENBEIN, TOBIAS, CA
[73] MERCER INTERNATIONAL INC., CA
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[54] **ACIER A DEUX PHASES A PROPRIETES AMELIOREES**
[72] THOMAS, GRANT AARON, US
[72] LOSZ, JOSE MAURO BARROS, US
[72] GARZA-MARTINEZ, LUIS GONZALO, US
[72] CASE, EDDIE RAY, US
[72] PETERSEN, ERIC, US
[72] RASTOGI, PRABHAT, US
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[54] **SUMP PIT HAVING DISASSEMBLABLE UPPER AND LOWER TANK PORTIONS AND RELATEDMETHOD**
[54] **PUISARD COMPORTANT DES PORTIONS DE RESERVOIR SUPERIEURE ET INFERIEURE DEMONTABLES ET METHODE ASSOCIEE**
[72] MCDUFFE, WILLIAM, CA
[73] MCDUFFE, WILLIAM, CA
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[54] **TERMINAUX SANS FIL, N□UDS DE RESEAUX DE COMMUNICATION SANS FIL ET PROCEDES DE FONCTIONNEMENT ASSOCIES**
[72] BERGSTROM, MATTIAS, SE
[72] SUSITAIVAL, RIIKKA, FI
[72] STATTIN, MAGNUS, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **LED EXTERIOR AND STREET LUMINAIRES**
[54] **LUMINAIRES EXTERIEURS ET REVERBERES A DEL**
[72] BALTEN, ANDREAS, DE
[72] BISCHOF, CHRISTIAN, DE
[72] MULLER, DETLEV, DE
[72] SAUSEMUTH, OLAF, DE
[72] STUMBORG, HANS-GEORG, DE
[73] PHOENIX MECANO DIGITAL ELEKTRONIK GMBH, DE
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[54] **PROCEDE ET DISPOSITIF POUR TRAITER UN COMPOSE NITROSE**
[72] YOKOYAMA, KOICHI, JP
[72] MIYAMOTO, EIJI, JP
[72] SHIMAMURA, JUN, JP
[73] MITSUBISHI HITACHI POWER SYSTEMS, LTD., JP
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[54] **VACUUM INSULATING PANEL**
[54] **PANNEAU ISOLANT SOUS VIDE**
[72] MACK, DANIEL, GB
[72] PARGETER, ADRIAN, GB
[72] ROCHEFORT, MALCOLM, GB
[73] KINGSPAN HOLDINGS (IRL) LIMITED, IE
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[54] **SYSTEMS AND METHODS FOR AUTOMATING THE APPLICATION OF FRICTION-MODIFYING COATINGS**
[54] **SYSTEMES ET PROCEDES POUR L'AUTOMATISATION DE L'APPLICATION DE REVETEMENTS MODIFICATEURS DE LA FRICTION**
[72] STONE, JACK D. JR, US
[72] RAINWATER, JEFF, US
[73] DBI HOLDING, LLC, US
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[54] **ELECTRIC-RESISTANCE-WELDED STAINLESS CLAD STEEL PIPE AND METHOD OF MANUFACTURING THE SAME**
[54] **TUYAU EN ACIER PLAQUE INOXYDABLE SOUDE A RESISTANCE ELECTRIQUE ET METHODE DE FABRICATION ASSOCIEE**
[72] OKABE, TAKATOSHI, JP
[72] GOTO, SOTA, JP
[72] HASHIMOTO, YUJI, JP
[72] KATO, YASUSHI, JP
[72] MATSUMOTO, ATSUSHI, JP
[72] IDE, SHINSUKE, JP
[72] OTA, HIROKI, JP
[73] JFE STEEL CORPORATION, JP
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[54] **ROLLING SECURITY PLATFORM**
[54] **PLATE-FORME DE SECURITE DE TYPE ROULANT**
[72] PIKE, ROBERT, US
[73] CYEMPTIVE TECHNOLOGIES, INC., US
[85] 2017-07-13
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[54] **WELLBORE ADDITIVES THAT INCLUDE LIQUID-INFILTRATED POROUS SILICA**
[54] **ADDITIFS POUR PUITS DE FORAGE QUI COMPRENNENT DE LA SILICE POREUSE INFILTREE PAR UN LIQUIDE**
[72] ALBRIGHTON, LUCAS DAVID, US
[72] MCKAY, ADAM MATTHEW, US
[72] JONES, PAUL JOSEPH, US
[72] GRIMES, EVAN BAKER, US
[72] RUSSELL, EVAN THOMAS, US
[72] FRY, DOMINIK, US
[72] BARKER, RYAN EDWARD, US
[72] DEALY, SEARS T., US
[72] REDDY, B. RAGHAVA, US
[73] HALLIBURTON ENERGY SERVICES, INC, US
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[54] **LIFT ASSEMBLY FOR PROCESSING EGGS, AND ASSOCIATED METHOD**
[54] **ENSEMBLE DE LEVAGE POUR LE TRAITEMENT D'□UFS, ET PROCEDE ASSOCIE**
[72] REES, DANIEL SCOTT, US
[73] ZOETIS SERVICES LLC, US
[85] 2017-07-19
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[54] **FIXING DEVICE FOR FIXING A WEAR OR PROTECTION ELEMENT ON A BUCKET OF AN EARTH MOVING MACHINE AND CORRESPONDING FIXING METHOD AND WEAR OR PROTECTION SYSTEM**
[54] **DISPOSITIF DE FIXATION SERVANT A FIXER UN ELEMENT ANTI USURE OU PROTECTEUR SUR UN GODET D'UNE MACHINE DE DEPLACEMENT DE TERRE ET METHODE DE FIXATION CORRESPONDANTE ET SYSTEME ANTIUSURE OU PROTECTEUR**
[72] ROL CORREDOR, JAVIER, ES
[72] MARTINEZ MANE, ANGEL, ES
[72] LOPEZ REQUEJO, SERGIO, ES
[72] PEREZ SORIA, FRANCISCO, ES
[72] TRIGINER BOIXEDA, JORGE, ES
[73] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES
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[54] **ENCODING AND DECODING VIDEO BY PROVIDING A PREDTERMINED MINIMUM AMOUNT OF MOTION INFORMATION FROM SPATIAL AND TEMPORAL PREDICTION UNITS**
[54] **CODAGE ET DECODAGE VIDEO EN FOURNISSANT UNE QUANTITE MINIMALE PREDETERMINEE D'INFORMATION DE MOUVEMENT DE MODULES DE PREDICTION SPATIALE ET TEMPORELLE**
[72] LEE, TAMMY, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[54] **APPARATUS AND METHOD FOR MOBILE FRICTION STIR WELDING OF TWO TUBULAR STRUCTURES**
[54] **DISPOSITIF ET PROCEDE POUR LE SOUDAGE PAR FRICTION-MALAXAGE MOBILE DE DEUX STRUCTURES TUBULAIRES**
[72] WEIGL, MARKUS, DE
[73] GRENZEBACH MASCHINENBAU GMBH, DE
[85] 2017-08-03
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[54] **HEAT TRANSFER APPARATUS AND HEAT TRANSFER SYSTEM FOR MASONRY HEATER**
[54] **APPAREIL ET SYSTEME DE TRANSFERT DE CHALEUR POUR ELEMENT CHAUFFANT DE MACONNERIE**
[72] COPELAND, JOSEPH, US
[73] COPELAND, JOSEPH, US
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[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF RADIOFREQUENCE A ANTENNE PASSIVE FILAIRE**
[72] GASPARI, SEBASTIEN, FR
[72] CUNY, YVES, FR
[72] LACAZE, BRIGITTE, FR
[72] SEBAN, FREDERICK, FR
[73] GEMALTO SA, FR
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[54] **PLANT GROWTH PROMOTING COMPOSITION AND A PROCESS OF PREPARING THE SAME**
[54] **COMPOSITION FAVORISANT LA CROISSANCE DES PLANTES ET SON PROCEDE DE PREPARATION**
[72] MALSHE, VINOD CHINTAMANI, IN
[72] RAJE, RAJAN BALKRISHNA, IN
[72] CHOUDHARI, RISHIKESH RAMAKANT, IN
[72] HANDE, RUPALI PRAKASH, IN
[73] NICHEM SOLUTIONS, IN
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[25] EN
[54] **SHOWER ENCLOSURE AND METHODS OF INSTALLATION**
[54] **ENCEINTE DE DOUCHE ET PROCEDES D'INSTALLATION**
[72] SMITH, ALBERT BARRY, US
[72] SAKS, CONRAD, US
[72] DANNETTEL, MARK E., US
[73] SMITH, ALBERT BARRY, US
[73] SAKS, CONRAD, US
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[54] **SINGLE SERVE CAPSULE COMPRISING A FILTER ELEMENT CONNECTED THERETO BY SEALING**
[54] **CAPSULE POURVUE D'UN ELEMENT FILTRANT RELIE PAR SCELLAGE**
[72] EMPL, GUNTER, DE
[72] THROM, ANDRE, DE
[72] HANISCH, MARCO, DE
[73] K-FEE SYSTEM GMBH, DE
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[54] **LUMINAIRE DEL DOTE D'UNE BATTERIE SECONDAIRE INTEGREE**
[72] SHAW, JAMES, US
[73] REVOLUTION LIGHTING TECHNOLOGIES, INC., US
[86] (2978497)
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[25] EN
[54] **METHOD OF PUMPING AQUEOUS FLUID CONTAINING SURFACE MODIFYING TREATMENT AGENT INTO A WELL**
[54] **PROCEDE DE POMPAGE D'UN AGENT DE TRAITEMENT DE MODIFICATION DE SURFACE CONTENANT UN FLUIDE AQUEUX DANS UN PUITS**
[72] MONROE, TERRY D., US
[72] BHADURI, SUMIT, US
[72] QU, QI, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2017-09-06
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[25] EN
[54] **SYSTEM, APPARATUS AND PROCESS FOR COLLECTING BALLS FROM WELLBORE FLUIDS CONTAINING SAND**
[54] **SYSTEME, APPAREIL ET PROCEDE POUR LA RECUPERATION DES BILLES DES FLUIDES DE PUITS FORAGE CONTENANT DU SABLE**
[72] CHEREWYK, BORIS (BRUCE) P., CA
[73] ISOLATION EQUIPMENT SERVICES, INC., CA
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[54] **AN APPARATUS FOR ENCODING A SPEECH SIGNAL EMPLOYING ACELP IN THE AUTOCORRELATION DOMAIN**
[54] **APPAREIL POUR CODER UN SIGNAL DE PAROLE EMPLOYANT ACELP DANS LE DOMAINE D'AUTOCORRELATION**
[72] BACKSTROM, TOM, DE
[72] MULTRUS, MARKUS, DE
[72] FUCHS, GUILLAUME, DE
[72] HELMRICH, CHRISTIAN, DE
[72] DIETZ, MARTIN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[86] (2979948)
[87] (2979948)
[22] 2013-07-31
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[25] EN
[54] **METHODS OF CLEANING INVERT EMULSION DRILLING FLUIDS**
[54] **PROCEDES DE NETTOYAGE DE FLUIDES DE FORAGE D'EMULSION INVERSE**
[72] MILLER, JEFFREY J., US
[72] AYAPBERGENOV, YERZHAN, US
[72] NEWMAN, KATERINA V., US
[72] WALKER, JONATHAN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-09-15
[86] 2015-04-14 (PCT/US2015/025806)
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[13] C
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[25] EN
[54] **VEHICLE WITH MULTIPLE LIGHT DETECTION AND RANGING DEVICES (LIDARS)**
[54] **VEHICULE AYANT DE MULTIPLES DISPOSITIFS DE DETECTION ET TELEMETRIE PAR LA LUMIERE (LIDARS)**
[72] GRUVER, DANIEL, US
[72] DROZ, PIERRE-YVES, US
[72] PENNECOT, GAETAN, US
[72] LEVANDOWSKI, ANTHONY, US
[72] ULRICH, DREW EUGENE, US
[72] MORRISS, ZACHARY, US
[72] WACHTER, LUKE, US
[72] IORDACHE, DOREL IONUT, US
[72] PARDHAN, RAHIM, US
[72] MCCANN, WILLIAM, US
[72] FIDRIC, BERNARD, US
[72] LENIUS, SAMUEL WILLIAM, US
[72] AVRAM, PETER, US
[73] WAYMO LLC, US
[85] 2017-09-19
[86] 2016-02-24 (PCT/US2016/019229)
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[30] US (14/668,452) 2015-03-25

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-VEGFR2 HUMAN ANTIBODY FOR ANTI-ANGIOGENIC AND TARGETED CANCER THERAPY**
[54] **ANTICORPS HUMAIN ANTI-VEGFR2 POUR TRAITEMENT ANTI-ANGIOGENIQUE ET ANTICANCEREUX CIBLE**
[72] WU, HAN-CHUNG, TW
[72] LU, RUEI-MIN, TW
[72] CHIU, CHIUNG-YI, TW
[72] LIU, I-JU, TW
[72] CHANG, YU-LING, TW
[73] ACADEMIA SINICA, TW
[85] 2017-10-04
[86] 2016-04-12 (PCT/US2016/027057)
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[25] EN
[54] **OPTICAL FIBER CABLE**
[54] **CABLE A FIBRE OPTIQUE**
[72] OHNO, MASATOSHI, JP
[72] TAKEDA, DAIKI, JP
[72] OSATO, KEN, JP
[73] FUJIKURA LTD., JP
[85] 2017-10-13
[86] 2016-09-02 (PCT/JP2016/075818)
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[25] EN
[54] **HYDROCARBON-CONTAMINATION TREATMENT UNIT**
[54] **UNITE DE TRAITEMENT DE CONTAMINATION PAR DES HYDROCARBURES**
[72] TAGGE, MICHAEL, CO
[72] REDFERN, KEVIN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2017-10-13
[86] 2015-05-07 (PCT/US2015/029640)
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[51] **Int.Cl. F04D 29/32 (2006.01) F04D 29/54 (2006.01) F04D 29/70 (2006.01)**
[25] EN
[54] **EXFOLIATIVE COATING FOR COMPRESSOR VANE OR BLADE**
[54] **REVETEMENT EXFOLIANT DESTINE A UNE AUBE OU UNE PALE DE COMPRESSEUR**
[72] ARAKI, TAKAHITO, JP
[72] TANAKA, YUTA, JP
[72] KAKINUMA, KAZUHIKO, JP
[72] BABA, MASANOBU, JP
[72] OTERA, ISSEI, JP
[72] MORISHITA, KANA, JP
[72] KOSEKI, SHUHO, JP
[73] IHI CORPORATION, JP
[73] HITACHI METALS, LTD., JP
[85] 2017-08-01
[86] 2016-03-25 (PCT/JP2016/059656)
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[25] EN
[54] **BACTERIA PREVENTIVE WATER HOLDING TANK CONSTRUCTION FOR ELECTRIC WATER HEATERS**
[54] **CONSTRUCTION DE RESERVOIR DE RETENUE D'EAU EMPECHANT LA PROLIFERATION DE BACTERIES DESTINEE A DES CHAUFFE-EAU ELECTRIQUES**
[72] LESAGE, CLAUDE, CA
[72] LESAGE, JEAN-CLAUDE, CA
[73] MICLAU-S.R.I. INC., CA
[86] (2984285)
[87] (2984285)
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[51] **Int.Cl. C07K 14/435 (2006.01) A61K 38/10 (2006.01) A61K 38/17 (2006.01) C07K 1/36 (2006.01) C07K 7/08 (2006.01)**
[25] EN
[54] **A SCORPION VENOM HEAT-RESISTANT SYNTHETIC PEPTIDE AND APPLICATIONS THEREOF**
[54] **UN PEPTIDE SYNTHETIQUE DU VENIN DE SCORPION RESISTANT A LA CHALEUR ET UTILISATIONS ASSOCIEES**
[72] ZHAO, JIE, CN
[72] LI, SHAO, CN
[72] ZHANG, WANQIN, CN
[73] DALIAN MEDICAL UNIVERSITY, CH
[85] 2018-01-03
[86] 2016-12-26 (PCT/CN2016/112078)
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[54] **SEGMENTING OPERATIONAL DATA**
[54] **SEGMENTATION DE DONNEES OPERATIONNELLES**
[72] DAVIDSON, MARK J., US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[85] 2017-11-01
[86] 2016-03-14 (PCT/US2016/022272)
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[25] EN
[54] **CARRYING APPARATUS WITH INTERNAL SUSPENSION**
[54] **APPAREIL DE TRANSPORT DOTE D'UNE SUSPENSION INTERNE**
[72] DANFORTH, WAYNE, CA
[73] CARRY INNOVATIONS INC., CA
[86] (2984831)
[87] (2984831)
[22] 2017-11-07
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[51] **Int.Cl. H01L 31/107 (2006.01) G02B 6/12 (2006.01)**
[25] EN
[54] **LIGHT-RECEIVING ELEMENT AND OPTICAL INTEGRATED CIRCUIT**
[54] **ELEMENT DE RECEPTION DE LUMIERE ET CIRCUIT INTEGRE OPTIQUE**
[72] NADA, MASAHIRO, JP
[72] KURISHIMA, KENJI, JP
[72] MATSUO, SHINJI, JP
[72] MATSUZAKI, HIDEAKI, JP
[73] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2017-11-03
[86] 2016-05-25 (PCT/JP2016/065428)
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[25] EN
[54] **METHODS FOR CONTINUOUS PRODUCTION OF PRODUCTS FROM MICROORGANISMS**
[54] **PROCEDES DE PRODUCTION CONTINUE DE PRODUITS A PARTIR DE MICRO-ORGANISMES**
[72] KOSKINEN, PERTTU, FI
[72] VAINIO, HEIDI, FI
[72] LAAMANEN, MIIA, FI
[72] VERMASVUORI, RAISA, FI
[72] TANNER, REIJO, FI
[73] NESTE CORPORATION, FI
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[54] **SCREW HAVING DISCONTINUOUS SCRAPING EDGES**
[54] **VIS A ARETES TARAUDEUSES INTERROMPUES**
[72] ECKERT, RAINER, DE
[72] WUNDERLICH, ANDREAS, DE
[73] ADOLF WURTH GMBH & CO.KG, DE
[85] 2017-11-10
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[54] **TRANSFORMER**
[54] **TRANSFORMATEUR**
[72] OGUCHI, MASAHIRO, JP
[72] MATSUOKA, YOSHIHARU, JP
[72] MUTO, JUN, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2985924)
[87] (2985924)
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[54] **CNN PROCESSING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT CNN**
[72] ZHU, BEN, CN
[73] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
[85] 2017-11-27
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[54] **SOLAR POWER GENERATION SYSTEM**
[54] **SYSTEME DE GENERATION D'ENERGIE SOLAIRE**
[72] SATO, DAISUKE, JP
[72] HIRANO, TAKAHIRO, JP
[72] MIYOSHI, TATSUYA, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
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[25] EN
[54] **CONTROL SYSTEM IN AN INDUSTRIAL GAS PIPELINE NETWORK TO SATISFY ENERGY CONSUMPTION CONSTRAINTS AT PRODUCTION PLANTS**
[54] **SYSTEME DE CONTROLE DANS UN RESEAU INDUSTRIEL DE CANALISATIONS DE GAZ VISANT A SATISFAIRE DES CONTRAINTES DE CONSOMMATION ENERGETIQUE DANS LES USINES DE PRODUCTION**
[72] MANCILLA, CAMILO, US
[72] ESMAILI, ALI, US
[72] ISOM, JOSHUA DAVID, US
[72] LATSHAW, CATHERINE CATINO, US
[72] SMITH, OLIVER JACOB, IV, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (2988950)
[87] (2988950)
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[54] **CONTROL SYSTEM IN A GAS PIPELINE NETWORK TO SATISFY DEMAND CONSTRAINTS**
[54] **SYSTEME DE CONTROLE D'UN RESEAU DE CANALISATIONS DE GAZ VISANT A SATISFAIRE LES CONTRAINTES DE DEMANDE**
[72] LATSHAW, CATHERINE CATINO, US
[72] ESMAILI, ALI, US
[72] ISOM, JOSHUA DAVID, US
[72] MANCILLA, CAMILO, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (2988961)
[87] (2988961)
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[25] EN
[54] **CONTROL SYSTEM IN A GAS PIPELINE NETWORK TO SATISFY PRESSURE CONSTRAINTS**
[54] **SYSTEME DE CONTROLE D'UN RESEAU DE CANALISATIONS DE GAZ VISANT A SATISFAIRE LES CONTRAINTES DE PRESSION**
[72] MANCILLA, CAMILO, US
[72] ISOM, JOSHUA DAVID, US
[72] ESMAILI, ALI, US
[72] SINGH, SUYASH, US
[73] AIR PRODUCTS AND CHEMICALS, INC., US
[86] (2988965)
[87] (2988965)
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[51] **Int.Cl. E21B 33/068 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DRY INJECTING BALLS FOR WELLBORE OPERATIONS**
[54] **APPAREIL ET METHODE D'INJECTION A SEC DE BALLES DANS LES OPERATIONS DE TROU DE FORAGE**
[72] CHEREWYK, BORIS (BRUCE) P., CA
[73] ISOLATION EQUIPMENT SERVICES INC., CA
[86] (2989080)
[87] (2989080)
[22] 2017-12-15
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[25] EN
[54] **APPARATUS, METHOD, AND SYSTEM FOR INDEPENDENT AIMING AND CUTOFF STEPS IN ILLUMINATING A TARGET AREA**
[54] **APPAREIL, PROCEDE ET SYSTEME POUR ETAPES DE VISEE ET D'INTERRUPTION INDEPENDANTES DANS L'ECLAIRAGE D'UNE ZONE CIBLE**
[72] GORDIN, MYRON, US
[72] BOYLE, TIMOTHY J., US
[72] BOXLER, LAWRENCE H., US
[73] MUSCO CORPORATION, US
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[87] (2989917)
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[54] **BOBINE**
[72] KASAHARA, AKIRA, JP
[73] MAX CO., LTD., JP
[85] 2017-12-19
[86] 2016-07-21 (PCT/JP2016/071405)
[87] (WO2017/014265)
[30] JP (2015-145259) 2015-07-22
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[25] EN
[54] **AUTOMATED ELECTRONIC COMPUTING AND COMMUNICATION SYSTEM EVENT ANALYSIS AND MANAGEMENT**
[54] **ANALYSE ET GESTION D'EVENEMENTS DE SYSTEME DE CALCUL ELECTRONIQUE AUTOMATISE ET DE COMMUNICATION**
[72] DELINOCCI, JOHN, US
[73] SERVICENOW, INC., US
[85] 2017-12-20
[86] 2016-08-11 (PCT/US2016/046494)
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[25] EN
[54] **GIMBALED FLEXURE FOR SPHERICAL FLEX JOINTS**
[54] **JOINT FLEXIBLE MONTE SUR CARDAN DESTINE A DES JOINTS FLEXIBLES SPHERIQUES**
[72] JONNALAGADDA, DATTU GV, IN
[72] TAJIRI, GORDON, US
[72] KENWORTHY, MICHAEL THOMAS, US
[72] BURDETTE, JASON L., US
[73] UNISON INDUSTRIES, LLC, US
[86] (2990787)
[87] (2990787)
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[30] US (15/406,123) 2017-01-13

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[25] EN
[54] **SALTS AND PRODRUGS OF 1-METHYL-D-TRYPTOPHAN**
[54] **SELS ET PROMEDICAMENTS DE 1-METHYL-D-TRYPTOPHANE**
[72] MAUTINO, MARIO, US
[72] KUMAR, SANJEEV, US
[72] JAIPURI, FIROZ, US
[72] WALDO, JESSE, US
[72] POTTURI, HIMA, US
[72] ZHUANG, HONG, US
[73] NEWLINK GENETICS CORPORATION, US
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[25] EN
[54] **SECONDARY BATTERY MOUNTED CHIP MANUFACTURING METHOD**
[54] **PROCEDE DE FABRICATION DE PUCES DOTEES DE BATTERIES RECHARGEABLES**
[72] TSUNOKUNI, KAZUYUKI, JP
[72] INOUE, TATSUO, JP
[72] SAITOH, TOMOKAZU, JP
[72] OGASAWARA, JURI, JP
[72] TONOKAWA, TAKASHI, JP
[72] KUDOH, TAKUO, JP
[73] KABUSHIKI KAISHA NIHON MICRONICS, JP
[85] 2018-01-18
[86] 2016-06-20 (PCT/JP2016/068219)
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[25] EN
[54] **RADIAL SEAL PRESSURE REDUCTION USING INTERNAL PUMP**
[54] **REDUCTION DE PRESSION DE JOINT RADIAL A L'AIDE DE POMPE INTERNE**
[72] BAILEY, THOMAS F., US
[72] CHAMBERS, JAMES W., US
[72] HANNEGAN, DON M., US
[72] RING, LEV, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2018-01-18
[86] 2016-09-30 (PCT/US2016/054873)
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[51] **Int.Cl. B01J 19/18 (2006.01)**
[25] EN
[54] **FLEXIBLE FILM BAFFLE IN SINGLE USE BIOREACTOR**
[54] **DEFLECTEUR DE FILM SOUPLE DANS UN BIOREACTEUR A USAGE UNIQUE**
[72] DER, KARA, US
[72] HANSEN, ANNE, US
[72] MCSWEENEY, JAMES, US
[72] KRAUS, DAVID, US
[72] PEARSONS, JEFFREY, US
[72] WOOD, AMY, US
[73] EMD MILLIPORE CORPORATION, US
[86] (2993564)
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[51] **Int.Cl. F15B 3/00 (2006.01)**
[25] EN
[54] **DOUBLE ACTING HYDRAULIC PRESSURE INTENSIFIER**
[54] **DISPOSITIF D'INTENSIFICATION DE PRESSION HYDRAULIQUE A DOUBLE ACTION**
[72] TYCHSEN, TOM, DK
[72] CLAUSEN, JORGEN M., DK
[72] HANUSOVSKY, JURAJ, SK
[73] PISTONPOWER APS, DK
[86] (2996155)
[87] (2996155)
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[51] **Int.Cl. F15B 3/00 (2006.01)**
[25] EN
[54] **PRESSURE AMPLIFIER**
[54] **AMPLIFICATEUR DE PRESSION**
[72] ZAVADINKA, PETER, DK
[72] CLAUSEN, JORGEN M., DK
[72] KRISSAK, PETER, DK
[73] PISTONPOWER APS, DK
[86] (2996159)
[87] (2996159)
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[25] EN
[54] **MODULAR LAVATORY WITH ALCOVES**
[54] **TOILETTES MODULAIRES COMPRENANT UNE ALCOVES**
[72] SCOLEY, IAN GEOFFREY, US
[72] SAVIAN, SCOTT, US
[73] C&D ZODIAC, INC., US
[86] (2997107)
[87] (2997107)
[22] 2014-02-19
[62] 2,900,394
[30] US (61/906,794) 2013-11-20
[30] US (61/858,073) 2013-07-24
[30] US (61/842,292) 2013-07-02
[30] US (61/766,665) 2013-02-19

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[13] C
[51] **Int.Cl. G01C 21/30 (2006.01)**
[25] EN
[54] **VEHICLE POSITION ESTIMATION DEVICE, VEHICLE POSITION ESTIMATION METHOD**
[54] **DISPOSITIF D'ESTIMATION DE POSITION DE VEHICULE, PROCEDE D'ESTIMATION DE POSITION DE VEHICULE**
[72] ASAI, TOSHIHIRO, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-02-28
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[25] EN
[54] **POLYMER HYDRATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'HYDRATATION DE POLYMERE**
[72] FISHER, CHAD A., US
[72] LUCAS, BRYAN CHAPMAN, US
[72] STEGEMOELLER, CALVIN L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] FR
[54] **FLOTATION AGENT OF THIOL ETHER STRUCTURE**
[54] **AGENT DE FLOTTATION DE STRUCTURE THIOL ETHER**
[72] MONGUILLON, BERNARD, FR
[73] ARKEMA FRANCE, FR
[85] 2018-03-08
[86] 2016-09-16 (PCT/FR2016/052355)
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[25] EN
[54] **HARD SURFACE CLEANING COMPOSITIONS COMPRISING ETHOXYLATED ALKOXYLATED NONIONIC SURFACTANTS OR A COPOLYMER AND CLEANING PADS AND METHODS FOR USING SUCH CLEANING COMPOSITIONS**
[54] **COMPOSITIONS DE NETTOYAGE DE SURFACES DURES COMPRENANT DES TENSIOACTIFS NON IONIQUES ETHOXYLES ALCOXYLES OU UN COPOLYMERE ET TAMPONS DE NETTOYAGE ET PROCEDES POUR UTILISER DE TELLES COMPOSITIONS DE NETTOYAGE**
[72] TOLLENS, FERNANDO RAY, US
[72] FLUXE, ANDREW JAMES, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[54] **SYSTEME DE TOURELLE COQUE DE CAMPING-CAR**
[72] FRANK, RUSSELL, US
[73] FRANK, RUSSELL, US
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[54] **MUFFLER FOR A POWERBOAT ENGINE**
[54] **ECHAPPEMENT DESTINE A UN MOTEUR DE BATEAU-VEDETTE**
[72] WRIGHT, BYRON, US
[73] WRIGHT, BYRON, US
[86] (3000359)
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[54] **BARRE LUMINEUSE**
[72] ELWELL, JAMES P., US
[72] XIAOJUN, TIAN, CN
[73] PUTCO, INC., US
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[54] **SODIUM CHANNEL BLOCKER**
[54] **BLOQUEUR DES CANAUX SODIQUES**
[72] LEE, HYUNG-GEUN, KR
[72] KIM, IL-HWAN, KR
[72] JUNG, MYUNGGI, KR
[72] KIM, HYO SHIN, KR
[72] LEE, CHUN HO, KR
[72] JUN, SUN AH, KR
[72] YOON, JI SUNG, KR
[72] KIM, SUNG-YOUNG, KR
[73] DAEWOONG PHARMACEUTICAL CO., LTD., KR
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[25] EN
[54] **A SET OF PROFILE MEMBERS IN COMBINATION WITH A KEY PLUG, A METHOD TO MANUFACTURE SUCH A KEY PLUG AND A COMBINATION ALSO INCLUDING AN ASSOCIATED KEY**
[54] **ENSEMBLE DE PROFILES EN ASSOCIATION AVEC UN BARILLET, PROCEDE DE FABRICATION D'UN TEL BARILLET ET COMBINAISON COMPRENANT EGALEMENT UNE CLE ASSOCIEE**
[72] WIDEN, BO, SE
[73] WINLOC AG, CH
[85] 2018-04-25
[86] 2016-11-02 (PCT/EP2016/076429)
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[54] **SINGLE CELL STRUCTURE FOR FUEL CELLS, AND FUEL CELL STACK STRUCTURE WHEREIN SAID FUEL CELL SINGLE CELLS ARE STACKED**
[54] **STRUCTURE DE CELLULE UNIQUE POUR DES PILES A COMBUSTIBLE ET STRUCTURE D'EMPILEMENT DE PILES A COMBUSTIBLE DANS LAQUELLE SONT EMPILEES LESDITES CELLULES UNIQUES DE PILE A COMBUSTIBLE**
[72] ICHIHARA, KEIJI, JP
[72] YAGINUMA, MOTOKI, JP
[72] YASUTAKE, AKIRA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-04-30
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[54] **VIRTUAL CURRENCY SYSTEM**
[54] **SYSTEME MONETAIRE VIRTUEL**
[72] MACGREGOR, ROBERT SCOTT, CA
[72] ONG, MILAGRINO JOSE C., CA
[73] NCHAIN HOLDINGS LIMITED, CA
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[54] **PACKAGING MATERIAL AND METHOD FOR PRODUCING A PACKAGING MATERIAL**
[54] **MATERIAU D'EMBALLAGE ET PROCEDE DE FABRICATION D'UN MATERIAU D'EMBALLAGE**
[72] KARATZIS, ANTONIOS, GR
[73] KARATZIS S.A. INDUSTRIAL & HOTELIER ENTERPRISES, GR
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[25] EN
[54] **METHODS AND DEVICES FOR REPAIR OR REPLACEMENT OF HEART VALVES OR ADJACENT TISSUE WITHOUT THE NEED FOR FULL CARDIOPULMONARY SUPPORT**
[54] **PROCEDES ET DISPOSITIFS DE REPARATION OU DE REMPLACEMENT DE VALVULES CARDIAQUES OU DU TISSU CONTIGU SANS NECESSITER UNE ASSISTANCE CARDIO-PULMONAIRE TOTALE**
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[73] EDWARDS LIFESCIENCES CARDIAQ, LLC, US
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[25] EN
[54] **MOLDING MACHINE AND METHOD OF MOLDING A PART**
[54] **MACHINE DE MOULAGE ET PROCEDE DE MOULAGE D'UNE PIECE**
[72] FITZPATRICK, RICHARD ERNEST, US
[73] EXTRUDE TO FILL, LLC, US
[85] 2018-05-31
[86] 2016-12-02 (PCT/US2016/064801)
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[30] US (14/960,101) 2015-12-04
[30] US (14/960,115) 2015-12-04
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[54] **A MICRONEEDLE AND A CHIP**
[54] **MICRO-AIGUILLE ET PUCE**
[72] RENLUND, MARKUS, SE
[72] RANGSTEN, PELLE, SE
[73] ASCILION AB, SE
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[54] **PRESSED COMPONENT MANUFACTURING METHOD, PRESS, AND PRESS LINE**
[54] **METHODE DE FABRICATION DE COMPOSANTES PRESSEES, PRESSE ET LIGNE DE PRESSE**
[72] SUZUKI, TOSHIYA, JP
[72] NAKAZAWA, YOSHIAKI, JP
[72] NAKATA, MASAHIRO, JP
[73] NIPPON STEEL CORPORATION, JP
[85] 2018-06-05
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[54] **CRYSTALLINE FORMS OF AN ANDROGEN RECEPTOR MODULATOR**
[54] **FORMES CRISTALLINES D'UN MODULATEUR DE RECEPTEUR D'ANDROGENE**
[72] SMITH, NICHOLAS D., US
[72] HERBERT, MARK R., US
[72] OUERFELLI, OUATHEK, US
[72] DILHAS, ANNA, CH
[73] ARAGON PHARMACEUTICALS, INC., US
[73] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
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[54] **SYSTEM AND METHOD FOR THE DETECTION AND TRANSMISSION OF DOWNHOLE FLUID STATUS**
[54] **SYSTEME ET PROCEDE DE DETECTION ET DE TRANSMISSION D'UN STATUT DE FLUIDE DE FOND DE TROU**
[72] GAO, LI, US
[72] CUELLO JIMENEZ, WALMY, US
[72] SINGH, JOHN P., US
[72] RAVI, KRIS, US
[72] TRAN, THANH T., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **WASTE COLLECTION UNIT INCLUDING A CLEANING SYSTEM FOR CLEANING A WASTE CONTAINER COLLECTING WASTE MATERIAL TRHROUGH A SUCTION LINE**
[54] **MODULE DE COLLECTE DE DECHETS COMPORTANT UN SYSTEME DE NETTOYAGE SERVANTA NETTOYER UN CONTENANT DE DECHETS RECUEILLANT DES MATERIAUX DE DECHETS AU MOYEN D'UN CONDUIT D'ASPIRATION**
[72] DAVIE, DANIEL, US
[72] ZOLLINGER, MICHAEL, US
[72] MACLACHLAN, BRIAN, US
[72] ISHAM, STEVE, US
[72] EDINGER, BENJAMIN, US
[72] DURNELL, TROY, US
[73] STRYKER CORPORATION, US
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[54] **RELAY BOX**
[54] **BOITE DE RELAIS**
[72] FOOT, JOHN, US
[72] NEWBY, PAUL, US
[72] CHANG, JEFF, US
[73] OMNICELL, INC., US
[85] 2018-08-02
[86] 2017-02-03 (PCT/US2017/016374)
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[51] **Int.Cl. G06K 9/78 (2006.01) G06K 9/52 (2006.01) G06K 9/62 (2006.01)**
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[54] **METHODS AND A COMPUTING DEVICE FOR DETERMINING WHETHER A MARK IS GENUINE**
[54] **PROCEDES ET DISPOSITIF INFORMATIQUE DE DETERMINATION D'AUTHENTICITE D'UNE MARQUE**
[72] VOIGT, MATTHIAS, US
[72] SOBORSKI, MICHAEL L., US
[72] AYOUB, RAFIK, US
[73] SYS-TECH SOLUTIONS, INC., US
[85] 2018-08-28
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[54] **POWER CONSUMPTION ANALYZING SERVER AND POWER CONSUMPTION ANALYZING METHOD THEREOF**
[54] **SERVEUR ANALYSANT LA CONSOMMATION D'ENERGIE ET METHODE ASSOCIEE D'ANALYSE DE LA CONSOMMATION D'ENERGIE**
[72] TSAI, CHIA-WEI, TW
[72] HUNG, YUNG-CHEIH, TW
[72] CHIANG, KUEI-CHUN, TW
[73] INSTITUTE FOR INFORMATION INDUSTRY, TW
[86] (3017229)
[87] (3017229)
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[54] **DENTAL FRAMEWORK AND PROSTHESIS**
[54] **CADRE DENTAIRE ET PROTHESE**
[72] SCHULTER, DREW, US
[72] SCHULTER, CARL, US
[72] FRAYSUR, KYLE, US
[72] NEWMAN, DARYL, US
[72] HAMADEH, BELAL, US
[73] CAGENIX, INC., US
[85] 2018-09-11
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[54] **HYDRATE INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS D'HYDRATES ET METHODES D'UTILISATION DE CES DERNIERS**
[72] LAN, QIANG, US
[72] MONTEIRO, DEEPAK STEVEN, US
[72] CEGLIO, MARK PAUL, II, US
[72] KRISHNAMURTHY, PUSHKALA, US
[72] ACOSTA, ERICK J., US
[73] MULTI-CHEM GROUP, LLC, US
[85] 2018-09-17
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[54] **ADJUSTABLE SUPPORT GARMENT WITH HARNESS SYSTEM**
[54] **VETEMENT DE SUPPORT AJUSTABLE AVEC SYSTEME DE HARNAIS**
[72] MUHLENFELD, STEPHANIE, US
[73] NIKE INNOVATE C.V., US
[85] 2018-09-18
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[87] (WO2017/172777)
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[54] **MODULATION ORDER SPLIT TRANSMISSIONS USING A UNIFORM CONSTELLATION**
[54] **TRANSMISSIONS DIVISEES PAR ORDRE DE MODULATION UTILISANT UNE CONSTELLATION UNIFORME**
[72] SUN, JING, US
[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[72] JIANG, JING, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-09-28
[86] 2017-02-21 (PCT/US2017/018649)
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[51] **Int.Cl. C10G 67/04 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **HYDROPROCESSING OIL SANDS-DERIVED, BITUMEN COMPOSITIONS**
[54] **HYDROTRAITEMENT DE COMPOSITIONS DE BITUME DERIVEES DE SABLES BITUMINEUX**
[72] SCHLOSBERG, RICHARD H., US
[72] JORDAN, RICHARD D., US
[72] DIEFENTHAL, EDWARD L., US
[73] EPIC OIL EXTRACTORS, LLC, US
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[87] (3021635)
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[62] 2,932,863
[30] US (14/135,396) 2013-12-19
[30] US (14/318,169) 2014-06-27

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[51] **Int.Cl. H05B 7/152 (2006.01) H05B 7/09 (2006.01)**
[25] EN
[54] **AN ARC SMELTING SYSTEM AND METHOD OF MONITORING THE LENGTH OF AN ELECTRODE IN SAID SYSTEM**
[54] **SYSTEME DE FUSION A L'ARC ET PROCEDE DE SURVEILLANCE DE LA LONGUEUR D'UNE ELECTRODE DANS LEDIT SYSTEME**
[72] LE ROUX, DANIEL JACUES, ZA
[73] GLENCORE OPERATIONS SOUTH AFRICA (PROPRIETARY) LIMITED, ZA
[85] 2018-10-22
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[25] EN
[54] **COMBINATION OF PURE 5-HT6 RECEPTOR ANTAGONISTS WITH ACETYLCHOLINESTERASE INHIBITORS**
[54] **COMBINAISON D'ANTAGONISTES PURS DU RECEPTEUR 5-HT6 AVEC DES INHIBITEURS D'ACETYLCHOLINESTERASE**
[72] NIROGI, RAMAKRISHNA, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] JAYARAJAN, PRADEEP, IN
[72] BHYRAPUNENI, GOPINADH, IN
[72] KAMBHAMPATI, RAMASASTRI, IN
[72] JASTI, VENKATESWARLU, IN
[73] SUVEN LIFE SCIENCES LIMITED, IN
[85] 2018-11-09
[86] 2016-08-03 (PCT/IB2016/054673)
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[72] BOUCHER, GILLES, CA
[73] TERMACO LTEE, CA
[85] 2018-11-13
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[51] **Int.Cl. A61K 31/717 (2006.01) A61K 9/06 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/32 (2006.01) A61P 27/02 (2006.01) A61P 27/04 (2006.01)**
[25] EN
[54] **THERMO-RESPONSIVE GELLING ARTIFICIAL LACRIMA**
[54] **LARMES ARTIFICIELLES THERMOGELIFIANTES**
[72] YAMAMURA, TAKESHI, JP
[72] YAMAMURO, AYAKA, JP
[72] IZUKURA, EMI, JP
[72] KIMURA, MOTO, JP
[72] OTSUKA, TOMOHIRO, JP
[73] WAKAMOTO PHARMACEUTICAL CO., LTD., JP
[85] 2018-11-20
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[87] (WO2018/199180)
[30] JP (2017-086512) 2017-04-25
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[25] EN
[54] **COLOR LOOK UP TABLE COMPRESSION**
[54] **COMPRESSION DE TABLE DE CONSULTATION DE COULEUR**
[72] TANG, CHUOHAO, US
[72] REIBMAN, AMY RUTH, US
[72] ALLEBACH, JAN P., US
[72] COLLISON, SEAN MICHAEL, US
[72] SHAW, MARK Q., US
[72] GONDEK, JAY S., US
[73] HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., US
[73] PURDUE RESEARCH FOUNDATION, US
[85] 2018-12-11
[86] 2016-07-08 (PCT/US2016/041633)
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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 47/09 (2012.01)**
[25] EN
[54] **ELECTRICAL SUBMERSIBLE PUMP WITH PROXIMITY SENSOR**
[54] **POMPE ELECTRIQUE SUBMERSIBLE DOTEE D'UN CAPTEUR DE PROXIMITE**
[72] ROTH, BRIAN A., SA
[72] XIAO, JINJIANG, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2018-12-11
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[30] US (15/196,696) 2016-06-29

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[25] EN
[54] **AUTOMATIC STRAIGHTENING DEVICE AND METHOD FOR SCRAPER CONVEYOR ON FULLY-MECHANIZED COAL MINING FACE BASED ON TENSILE AND COMPRESSIVE FORCE SENSORS**
[54] **APPAREIL ET PROCEDE DE REDRESSAGE AUTOMATIQUE FAISANT APPEL A UN CAPTEUR DE FORCE DE TRACTION/PRESSION, DESTINES A UN TRANSPORTEUR A RACLETTES SUR UNE FACE D'EXPLOITATION DE CHARBON ENTIEREMENT MECANISEE**
[72] YAN, HAIFENG, CN
[72] WANG, ZHONGBIN, CN
[72] LU, XULIANG, CN
[72] TAN, CHAO, CN
[72] SI, LEI, CN
[72] MAN, YIQIAO, CN
[72] FAN, KAI, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[73] XUZHOU GOLDFLUID HYDRAULIC TECHNOLOGY DEVELOPMENT CO., LTD., CN
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[54] **MATERIAU POUR LENTILLES INTRAOCULAIRES**
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[72] NOMURA, HIROKO, JP
[72] OJIO, TATSUYA, JP
[73] MENICON CO., LTD, JP
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[54] **MODIFICATIONS AUTOMATISEES D'OPERATION DYNAMIQUE SPECIFIQUE AU DISPOSITIF**
[72] MILLER, SCOTT ALLEN, US
[72] HERSCH, JESSE, US
[72] CAZZANTI, LUCA, US
[72] DOWNS, OLIVER B., US
[73] AMPLERO, INC., US
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[73] ICE ADAPTIVE TIRES, LLC, US
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[54] **PROCESSES FOR TREATING AQUEOUS COMPOSITIONS COMPRISING LITHIUM SULFATE AND SULFURIC ACID**
[54] **PROCEDES DE TRAITEMENT DE COMPOSITIONS AQUEUSES COMPRENANT DU SULFATE DE LITHIUM ET DE L'ACIDE SULFURIQUE**
[72] MAGNAN, JEAN-FRANCOIS, CA
[72] BOURASSA, GUY, CA
[72] LAROCHE, NICOLAS, CA
[72] OUELLET, BERTIN, CA
[72] BRERETON, CLIVE, CA
[72] BUCHI, STEVEN, CA
[72] NAKA, TSUKI, CA
[73] NEMASKA LITHIUM INC., CA
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[54] **ENGINE CONTROL METHOD AND CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE MOTEUR**
[72] YONEKURA, KENGO, JP
[72] TSUCHIDA, HIROFUMI, JP
[72] HAMAMOTO, TAKAYUKI, JP
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[54] **HIGH PRESSURE PROCESSING PRESSURE SENSOR**
[54] **CAPTEUR DE PRESSION DE TRANSFORMATION HAUTE-PRESSION**
[72] WANG, RUIZHENG, US
[72] OWEN, TIMOTHY J., US
[72] SMALL, LYLE D., US
[73] CHROMATIC TECHNOLOGIES, INC., US
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[54] **WEDGE RING AUTO UNLOCK SYSTEM AND METHOD**
[54] **SYSTEME DE DEBLOCAGE AUTOMATIQUE DE BAGUE DE COIN ET METHODE**
[72] DUELLMAN, DENNIS, CA
[72] EISNER, ALAN, CA
[72] KROL, ANDRZEJ, CA
[72] ANDO, MARIAN, CA
[73] MCCLOSKEY INTERNATIONAL LIMITED, CA
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[54] **REPLACEABLE ELEMENT ROLLER BEARING ASSEMBLY**
[54] **ENSEMBLE ROULEMENT A ROULEAUX A ELEMENT REMPLACABLE**
[72] LINDBLADE, STEPHEN P., US
[72] FONTENOT, WILLIAM LOUIS, US
[73] SOFEC, INC., US
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[54] **UNE METHODE DE PROTECTION ADAPTATIVE D'IMPEDANCE DE CONDENSATEURS PARALLELES**
[72] SONG, ZHONGPENG, CN
[72] DING, LI, CN
[72] YU, QUNBING, CN
[72] JIN, ZHEN, CN
[72] XU, SHU, CN
[72] DONG, KAIDA, CN
[73] NR ELECTRIC CO., LTD, CN
[73] NR ENGINEERING CO., LTD, CN
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[54] **SYSTEME DE COMMANDE DESTINE AU FREIN DE STATIONNEMENT AUTOMATIQUE D'UN VEHICULE FERROVIAIRE**
[72] CALL, DERICK, US
[73] NEW YORK AIR BRAKE LLC, US
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[54] **CADRE PLAT OU BARDEAU D'ELECTRICITE SOLAIRE INSTANTANEE CYLINDRIQUE, ACCESSOIRE DE PROTECTION ETANCHE, LEGER, PORTATIF, BOITE D'ALIMENTATION SORAWATI A MATRICE A TROU OU LINEAIRE,CONTROLEUR MANUEL, INTEGRES DANS 1, 2 OU 3 TROUSSES OU PLUS, UTILISABLE PARTOUT AU MONDE**
[72] GODWILL, M. IGWE, CA
[71] GODWILL, M. IGWE, CA
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[54] **ONLINE PHARMACEUTICAL CONSULTAION**
[54] **CONSULTATION PHARMACEUTIQUE EN LIGNE**
[72] UNKNOWN, ZZ
[71] KHILLA, ANTONIOUS, CA
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[54] **MOTEUR MULTIPLICATEUR AREL 1**
[72] AREL, RICHARD, CA
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[54] **SYSTEMS FOR ENABLING TOKENIZED WEARABLE DEVICES**
[54] **SYSTEMES D'ACTIVATION DE DISPOSITIFS PORTABLES A JETONS**
[72] D'AGOSTINO, DINO PAUL, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] TSERETOPOULOS, DEAN C.N., CA
[72] ECKER, JEFFREY AARON, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] DUNJIC, MILOS, CA
[72] LEE, JOHN JONG SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **SPLASH-GUARD SYSTEM AND METHOD**
[54] **SYSTEME DE PARE-ECLABOUSSURES ET METHODE**
[72] MATHESON, SHERRY LYNN, CA
[71] MATHESON, SHERRY LYNN, CA
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[54] **LEDGER UPDATE NETWORK AND METHOD OF UPDATING A LEDGER**
[54] **RESEAU DE MISE A JOUR DE COMPTABILITE ET METHODE DE MISE A JOUR DE COMPTABILITE**
[72] GLEESON, BRYAN MICHAEL, CA
[72] ELKHINOVICH, IGOR, CA
[72] ECKER, JEFFREY AARON, CA
[72] MCPHEE, ADAM DOUGLAS, CA
[72] WAKIM, MATTA, CA
[72] ODOBETSKIY, KYRYLL, CA
[72] RABINOVICH, DMITRI, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[71] THE TORONTO-DOMINION BANK, CA
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[25] EN
[54] **PREPARATION AND METHOD OF PROCESSING AND ENCAPSULATING PLACENTA MATERIAL**
[54] **PREPARATION ET METHODE DE TRAITEMENT ET ENVELOPPEMENT DE MATIERE PLACENTAIRE**
[72] FU, XIAOHANG D., CA
[71] ETERNITY WELLNESS CLINIC INC., CA
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[54] **CONTAINER FOR GROWING OF CANNABIS**
[54] **CONTENANT SERVANT A FAIRE POUSSER DU CANNABIS**
[72] ARBUTHNOT, JOHN W., III, CA
[71] DELTA 9 BIO-TECH INC., CA
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[72] AL-HERAIBI, ABDULRAHMAN SALEH, KW
[71] AL-HERAIBI, ABDULRAHMAN SALEH, KW
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[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING CANNABIS, USES THEREOF AND METHODS FOR ALLEVIATING STRESS AND/OR ANXIETY**
[54] **COMPOSITIONS PHARMACEUTIQUES RENFERMANT DU CANNABIS, UTILISATIONS ASSOCIEES ET METHODES D'ATTENUATION DU STRESS OU DE L'ANXIETE**
[72] NIJHAWAN, PARDEEP, CA
[71] EXZELL PHARMA INC., CA
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[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING CANNABIS, USES THEREOF AND METHODS FOR IMPROVING ENERGY LEVELS AND/OR ALLEVIATING FATIGUE**
[54] **COMPOSITIONS PHARMACEUTIQUES RENFERMANT DU CANNABIS, UTILISATIONS ASSOCIEES ET METHODES D'AMELIORATION DES NIVEAUX D'ENERGIE OU D'ATTENUATION DE LA FATIGUE**
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[71] EXZELL PHARMA INC., CA
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[54] **CAR SEAT BLANKET**
[54] **COUVERTURE DE SIEGE D'AUTO**
[72] GOOSEN-IANNI, AMANDA A., CA
[71] GOOSEN-IANNI, AMANDA A., CA
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[54] **PILLAR DEVICE FOR ADHESIVE INSECT CAPTURE WITH BIRD GUARDS**
[54] **DISPOSITIF DE PILIER SERVANT A LA CAPTURE D'INSECTES SUR ADHESIF COMPORTANT DES DISPOSITIFS DE PROTECTION DES OISEAUX**
[72] ZHANG, QING-HE, US
[72] CHAPIN, MARC, US
[72] SCHNEIDMILLER, RODNEY G., US
[71] STERLING INTERNATIONAL INC., US
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[54] **SOLAR CHANNEL LETTERS**
[54] **LETTRES A CANAL SOLAIRE**
[72] GOOSEN-IANNI, AMANDA A., CA
[71] GOOSEN-IANNI, AMANDA A., CA
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[54] **DATA COLLECTION DEVICE AND METHOD FOR COLLECTING DATA FROM A MEDICAL DEVICE**
[54] **DISPOSITIF DE COLLECTE DE DONNEES ET METHODE DE COLLECTE DE DONNEES D'UN APPAREIL MEDICAL**
[72] ALRAYISS, OMAR, CA
[72] NG, RAYMOND, CA
[71] READY CARE INC., CA
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[54] **NYLON ACTUATORS AND METHODS FOR MANUFACTURING SAME**
[54] **ACTIONNEURS EN NYLON ET METHODE DE FABRICATION ASSOCIEE**
[72] RAFIE RAVANDI, ALI, CA
[72] MADDEN, JOHN, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
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[54] **INSULATED BOOM KNUCKLE COVER FOR HIGH VOLTAGE LINE TRUCK**
[54] **COUVRE-JOINT DE MAT ISOLE DESTINE A UN CAMION DE LIGNE HAUTE TENSION**
[72] CHOMKO, LANE M., US
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[54] **SYSTEME LOGICIEL DE VETEMENT VIRTUEL ET METHODE**
[72] KOREN, LUCAS P., CA
[71] KOREN, LUCAS P., CA
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[54] **MULTI-LAYER COMPOSITE FABRIC**
[54] **TISSU MIXTE MULTICOUCHE**
[72] HUANG, SHENG-HUNG, CN
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[72] GAGNE, GASTON G. G., CA
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[54] **PANNEAU DE RACCORD RJ-45 PAR FIBRE OPTIQUE**
[72] SPICER, LEE VS, CA
[71] SPICER, LEE VS, CA
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING CANNABIS, USES THEREOF AND METHODS FOR IMPROVING SLEEP QUALITY**
[54] **COMPOSITIONS PHARMACEUTIQUES RENFERMANT DU CANNABIS, UTILISATIONS ASSOCIEES ET METHODES D'AMELIORATION DE LA QUALITE DU SOMMEIL**
[72] NIJHAWAN, PARDEEP, CA
[71] EXZELL PHARMA INC., CA
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[54] **ENSEMBLE DE VERROU ET DE CLE**
[72] KIM, JUNG-KYU, CN
[71] KIM, JUNG-KYU, CN
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[54] **ELASTOMERES DE SILOXANE AUTOREPARATEURS**
[72] ZELISKO, PAUL M., CA
[72] NASRESFAHANI, AMIN, CA
[71] ZELISKO, PAUL M., CA
[71] NASRESFAHANI, AMIN, CA
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING CANNABIS, USES THEREOF AND METHODS FOR IMPROVING DIGESTION AND/OR TREATING SYMPTOMS ASSOCIATED WITH GASTROINTESTINAL COMPLICATIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES RENFERMANT DU CANNABIS, UTILISATIONS ASSOCIEES ET METHODES D'AMELIORATION DE LA DIGESTION OU DE TRAITEMENT DE SYMPTOMES ASSOCIES AUX COMPLICATIONS GASTRO-INTESTINALES**
[72] NIJHAWAN, PARDEEP, CA
[71] EXZELL PHARMA INC., CA
[22] 2018-04-11
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[51] **Int.Cl. G16H 50/20 (2018.01) G16H 30/20 (2018.01) A61B 3/12 (2006.01) A61B 3/14 (2006.01)**
[25] EN
[54] **FUNDUS DRAWING ANALYSIS IN OPHTHALMOLOGICAL DIAGNOSTICS**
[54] **ANALYSE DE DESSIN DE FOND DE L'OEIL DANS LES DIAGNOSTICS OPHTALMOLOGIQUES**
[72] MERLAU, DANIEL JOSEPH, US
[71] LIFESOFT, LLC, US
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[25] EN
[54] **METHOD FOR DETERMINING A DIETARY SUPPLEMENT REGIME FOR SUBJECT WITH AGE-RELATED MACULAR DEGENERATION OR ALZHEIMER'S DISEASE**
[54] **METHODE DE DETERMINATION DE REGIME DE SUPPLEMENT ALIMENTAIRE DESTINE A UN SUJET ATTEINT DE LA DEGENERESCENCE MACULAIRE LIEE A L'AGE OU DE LA MALADIE D'ALZHEIMER**
[72] ZANKE, BRENT, CA
[72] KUSTRA, RAFAL, CA
[71] ARCTICDX, INC., CA
[22] 2018-04-11
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[25] EN
[54] **COMBINATION VACUUM, TILE CUTTING AND DUST COLLECTION SYSTEM**
[54] **SYSTEME COMBINANT L'ASPIRATION, LA COUPE DE CARREAUX ET LA COLLECTE DE POUSSIERE**
[72] WOLOSZCZUK, LUKE, CA
[71] WOLOSZCZUK, LUKE, CA
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[51] **Int.Cl. A61J 7/00 (2006.01) A61J 1/14 (2006.01) A61J 7/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRANSPORTING DRUGS**
[54] **SYSTEME ET METHODE DE TRANSPORT DE MEDICAMENTS**
[72] MCNEIL, DWAINE, CA
[71] MCNEIL, DWAINE, CA
[22] 2018-04-11
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[51] **Int.Cl. A42B 3/04 (2006.01)**
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[54] **METHOD FOR APPLYING PATCHES TO HELMET COVERS**
[54] **METHODE D'APPLICATION DE PIECES AUX COUVRE-CASQUES**
[72] SENER, INANC, US
[71] SENER, INANC, US
[22] 2018-04-12
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[25] EN
[54] **BATHROOM QUICK COUPLING**
[54] **RACCORD RAPIDE DE SALLE DE BAIN**
[72] YANG, CHENG CHANG, TW
[71] YANG, CHENG CHANG, TW
[22] 2018-04-12
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[54] **MAKEUP PALETTE**
[54] **PALETTE DE MAQUILLAGE**
[72] CATENA, ANGELINA, CA
[71] CATENA, ANGELINA, CA
[22] 2018-04-12
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[25] EN
[54] **LUMINAIRE WITH HANGER PART, AND RELATED METHODS OF USE**
[54] **LUMINAIRE COMPORTANT UNE PARTIE DE SUPPORT, ET METHODES D'UTILISATION ASSOCIEES**
[72] MITCHELL, DAVID, CA
[72] GRESCHNER, ANDREW, CA
[72] JIN, QINGHAI, CA
[71] LUMICAN CORPORATION, CA
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[25] EN
[54] **LED (LIGHT-EMITTING DIODE) STREETLIGHT LUMINAIRES AND METHODS OF USE**
[54] **LUMINAIRES DE RUE A DEL (DIODE ELECTROLUMINESCENTE) ET METHODES D'UTILISATION**
[72] MITCHELL, DAVID, CA
[71] LUMICAN CORPORATION, CA
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[54] **MRI METAMATERIAL LINER**
[54] **REVETEMENT INTERIEUR DE METAMATERIAU D'IRM**
[72] IYER, ASHWIN K., CA
[72] POLLOCK, JUSTIN G., CA
[72] DE ZANCHE, NICOLA, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[71] ALBERTA HEALTH SERVICES, CA
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[51] **Int.Cl. B60P 1/64 (2006.01) B60P 1/48 (2006.01) B60P 3/00 (2006.01)**
[25] EN
[54] **SILO TRANSPORT SAFE RETRIEVAL SYSTEM**
[54] **SYSTEME D'EXTRACTION SECURITAIRE DE TRANSPORT PAR SILO**
[72] HERMAN, ALVIN, CA
[72] HERMAN, ERIN, CA
[71] QUICKTHREE SOLUTIONS INC., CA
[22] 2018-04-12
[41] 2019-10-12

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[51] **Int.Cl. E04G 3/20 (2006.01) E04B 5/00 (2006.01) E04G 1/15 (2006.01) E04G 1/36 (2006.01)**
[25] EN
[54] **A VOID PLATFORM AND A METHOD FOR PROVIDING A PLATFORM SUPPORT ACROSS A BUILDING VOID**
[54] **UNE PLATEFORME DE VIDE ET UNE METHODE DE FOURNITURE D'UN SUPPORT DE PLATEFORME TRAVERSANT UN VIDE DE BATIMENT**
[72] JURY, KEVIN, NZ
[71] JURY, KEVIN, NZ
[22] 2018-04-12
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[51] **Int.Cl. A61K 9/72 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 47/10 (2017.01)**
[25] EN
[54] **DRUG DELIVERY SYSTEM UTILIZING CANNABIS BASED LIQUID FORMULATION**
[54] **SYSTEME DE DISTRIBUTION DE MEDICAMENT EMPLOYANT UNE FORMULE LIQUIDE A BASE DE CANNABIS**
[72] ROBERTSON, ROYCE, CA
[71] ROBERTSON, ROYCE, CA
[22] 2018-04-12
[41] 2019-10-12

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[51] **Int.Cl. B29C 70/38 (2006.01) B32B 5/12 (2006.01) B32B 37/00 (2006.01) B32B 41/00 (2006.01)**
[25] EN
[54] **AUTOMATED PLACEMENT OF COMPOSITE MATERIAL**
[54] **POSITIONNEMENT AUTOMATIQUE DE MATERIAU MIXTE**
[72] DUVAL, SEBASTIEN, CA
[72] FLYNN-ROBITAILLE, PASCAL, CA
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2018-04-18
[41] 2019-10-11
[30] US (15/951,165) 2018-04-11

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[25] EN
[54] **ENHANCED PDM PERFORMANCE TESTING DEVICE**
[54] **DISPOSITIF DE TEST DE RENDEMENT DE PDM AMELIORE**
[72] CARIVEAU, PETER THOMAS, US
[72] MILLER, TIMOTHY MARK, US
[72] LU, JING, US
[71] BASINTEK, LLC, US
[22] 2018-04-20
[41] 2019-10-09
[30] US (15/948,847) 2018-04-09

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[25] EN
[54] **GRAIN BIN COVER OPENING SYSTEM**
[54] **SYSTEME D'OUVERTURE DE COUVERCLE DE BAC A GRAINS**
[72] SCHMIDT, RAYMOND E., US
[71] SCHMIDT, RAYMOND E., US
[22] 2018-05-23
[41] 2019-10-08
[30] US (62654475) 2018-04-08
[30] US (15986187) 2018-05-22

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[51] **Int.Cl. G01N 33/48 (2006.01) A61K 31/675 (2006.01) G01N 33/53 (2006.01) A61K 31/365 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR FORECASTING RESPONSE TO LUPUS NEPHRITIS (LN) THERAPY**
[54] **COMPOSITIONS ET METHODES DE PREVISION DE LA REPONSE A LA THERAPIE DE LA NEPHROPATHIE LUPIQUE**
[72] BRUNNER, HERMINE I., US
[72] BENNETT, MICHAEL R., US
[72] DEVARAJAN, PRASAD, US
[71] CHILDREN'S HOSPITAL MEDICAL CENTER, US
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[41] 2019-10-12
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[25] EN
[54] **MANAGEMENT OF MOVING OUTDOOR ADVERTISING**
[54] **GESTION DE DEPLACEMENT DE PUBLICITE EXTERIEURE**
[72] BINKLEY, CASEY MANSEL, CA
[72] LEVY, ZACHARY AARON, CA
[71] HAULERADS INC., CA
[22] 2018-06-18
[41] 2019-10-06
[30] US (62/653,894) 2018-04-06

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[25] EN
[54] **LIGHT BAIT**
[54] **APPAT LEGER**
[72] TROBOLOWITSCH, FRIEDRICH, AT
[71] TROBOLOWITSCH, FRIEDRICH, AT
[22] 2018-08-17
[41] 2019-10-06
[30] EP (18166148.9) 2018-04-06

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[25] EN
[54] **EQUIPMENT BAG WITH CLOSURE SLEEVE**
[54] **SAC D'EQUIPEMENT COMPORTANT UN MANCHON DE FERMETURE**
[72] MCATARIAN, PATRICK F., US
[72] MCATARIAN, MARK, US
[71] ANDAX INDUSTRIES LLC, US
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[25] EN
[54] **DRONE-BASED RADIO-OVER-FIBER SYSTEM**
[54] **SYSTEME DE RADIO SUR FIBRE FONDE SUR UN DRONE**
[72] MORSER, RANDAL T., US
[72] SCHAEFER, TIMOTHY M., US
[71] EQUINOX INNOVATIVE SYSTEMS LLC, US
[22] 2018-12-04
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[25] EN
[54] **HEADER WITH FLEXIBLE CROP CUTTING KNIFE**
[54] **ANDAINEUSE COMPORTANT UN COUTEAU DE RECOLTE FLEXIBLE**
[72] SHEARER, BRUCE R., CA
[71] MACDON INDUSTRIES LTD., CA
[22] 2018-12-10
[41] 2019-10-10

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[25] EN
[54] **AUTOMATED PRESSURE EQUALIZATION ABOVE AND BELOW COMPLETION PLUG OF GATE VALVE CARTRIDGE OR A COMPLETION PLUG OF A LINE STOP FITTING**
[54] **EGALISATION DE PRESSION AUTOMATISEE AU-DESSUS ET AU-DESSOUS D'UN BOUCHON DE COMPLETION D'UNE CARTOUCHE DE ROBINET-VANNE OU DE BOUCHON DE COMPLETION D'UN RACCORD D'ARRET DE LIGNE**
[72] NELSON, ANDREW J., US
[72] VAZZANA, CHRISTOPHER C., US
[72] STRICKLAND, COLE, US
[72] MASTNY, CARL, US
[71] HYDRA-STOP LLC, US
[22] 2019-01-17
[41] 2019-10-11
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[51] **Int.Cl. C04B 41/53 (2006.01)**
[25] EN
[54] **METHODS OF REMOVING A CERAMIC COATING FROM A SUBSTRATE**
[54] **METHODES D'ENLEVEMENT D'UN REVETEMENT CERAMIQUE D'UN SUBSTRAT**
[72] KOOL, LAWRENCE BERNARD, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-01-31
[41] 2019-10-11
[30] US (15/950,510) 2018-04-11

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[51] **Int.Cl. E02F 3/36 (2006.01) E02F 3/38 (2006.01) F16B 7/00 (2006.01)**
[25] EN
[54] **HYBRID LOADER BOOM ARM ASSEMBLY**
[54] **ASSEMBLAGE DE BRAS DE MAT DE CHARGEUSE FRONTALE HYBRIDE**
[72] HALLALE, SANJEEV M., IN
[72] EL-ZEIN, MOHAMAD S., US
[72] PORTILLO, HECTOR, MX
[72] PRIEGO, ISRAEL, US
[72] CHAPA, DANIEL, MX
[72] TORTORELLA, NATHAN F., US
[71] DEERE & COMPANY, US
[22] 2019-02-19
[41] 2019-10-11
[30] US (15/950,875) 2018-04-11

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[25] EN
[54] **HYBRID LOADER BOOM ARM ASSEMBLY**
[54] **ASSEMBLAGE DE BRAS DE MAT DE CHARGEUSE FRONTALE HYBRIDE**
[72] HALLALE, SANJEEV M., IN
[72] EL-ZEIN, MOHAMAD S., US
[72] PORTILLO, HECTOR, MX
[72] PRIEGO, ISRAEL, US
[72] CHAPA, DANIEL, MX
[72] TORTORELLA, NATHAN F., US
[71] DEERE & COMPANY, US
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[30] US (15/950,812) 2018-04-11

[21] **3,034,233**
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[51] **Int.Cl. A41D 11/00 (2006.01) A41B 13/08 (2006.01)**
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[54] **READY SET ROMPER**
[54] **BARBOTEUSE PRETE POUR LE CHANGEMENT DE COUCHE**
[72] BAXTER, CARIN S., CA
[71] BAXTER, CARIN S., CA
[22] 2019-02-15
[41] 2019-10-12
[30] US (62/917,322) 2018-04-12

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[51] **Int.Cl. F25B 7/00 (2006.01)**
[25] EN
[54] **THERMAL ENERGY STORAGE AND HEAT REJECTION SYSTEM**
[54] **SYSTEME DE STOCKAGE D'ENERGIE THERMIQUE ET DE REJET DE CHALEUR**
[72] SPANGLER, BRIAN THOMAS, US
[72] SNYDER, DOUGLAS J., US
[71] ROLLS-ROYCE CORPORATION, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[22] 2019-02-19
[41] 2019-10-12
[30] US (62/656,508) 2018-04-12
[30] US (16/058,445) 2018-08-08

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[51] **Int.Cl. F15B 15/24 (2006.01) B64C 13/40 (2006.01) F16H 21/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE STOPS FOR ACTUATOR PISTON**
[54] **ARRETS AJUSTABLES DESTINES A UN PISTON D'ACTIONNEUR**
[72] MEZZINO, GIACOMO, IT
[72] QUAGLIA, ENRICO, IT
[71] MICROTECNICA S.R.L., IT
[22] 2019-02-20
[41] 2019-10-06
[30] EP (18166121.6) 2018-04-06

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[51] **Int.Cl. A61B 17/068 (2006.01) A61B 17/072 (2006.01) A61M 36/00 (2006.01) A61M 36/04 (2006.01)**
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[54] **BRACHYTHERAPY BUTTRESS**
[54] **CONTREFORT DE BRACHYTHERAPIE**
[72] HODGKINSON, GERALD, US
[72] RACENET, DAVID, US
[72] SOLTZ, MICHAEL, US
[72] TAYLOR, JOSEPH, US
[71] COVIDIEN LP, US
[22] 2019-02-21
[41] 2019-10-12
[30] US (15/951,295) 2018-04-12

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[51] **Int.Cl. G06Q 20/10 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING RISK OF FRAUD IN AN ELECTRONIC TRANSACTION**
[54] **SYSTEME ET METHODE D'EVALUATION DU RISQUE DE FRAUDE DANS UNE TRANSACTION ELECTRONIQUE**
[72] CHAMBERLAIN, KELLEY A., US
[72] DIETRICH, DAVID J., US
[72] KNORR, MICHAEL, US
[72] KOSICKI, ROBERT L., US
[72] GRAY-LINDSEY, VALERIA J., US
[72] LINDQUIST, DUANE F., US
[72] MANGIERI, MICHAEL, US
[72] MARMOLEJOS, MARIA V., US
[72] MONTEFERRARIO, JACQUELINE A., US
[72] NUNEZ, YONESY F., US
[72] VALENTINO, LEONARD J., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-02-26
[41] 2019-10-11
[30] US (15/950,826) 2018-04-11

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[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) G06Q 20/10 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRIVATE LOAN CREATION**
[54] **SYSTEMES ET METHODES DE CREATION DE PRET PRIVE**
[72] BARKAS, SOTIRIOS K., US
[72] LEE, YON W., US
[72] MIRANDA, DARIUS A., US
[72] RHODRIQUEZ, MARRIA, US
[72] SUEN, DARRELL L., US
[72] WRIGHT, JOHN T., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-02-27
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[30] US (15/949,283) 2018-04-10

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[51] **Int.Cl. G06Q 30/06 (2012.01) G06K 9/62 (2006.01) G06K 9/78 (2006.01)**
[25] EN
[54] **CONCURRENT VISUALIZATION TOOL USING AUGMENTED REALITY TO IMPROVE DECISION MAKING**
[54] **OUTIL DE VISUALISATION CONCURRENTE EMPLOYANT LA REALITE AUGMENTEE POUR AMELIORER LA PRISE DE DECISION**
[72] CHAO, WAVERLY W., US
[72] DEVARAJAN, HARITHA, US
[72] GROSS, THOMAS W., US
[72] KUSHNER, KRISTINE ING, US
[72] MUNIR, MUHAMMAD FARUKH, US
[72] MURPHY, PAMELA M., US
[71] THE TORONTO-DOMINION BANK, CA
[22] 2019-02-27
[41] 2019-10-11
[30] US (15/950,935) 2018-04-11

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[51] **Int.Cl. G07F 17/34 (2006.01)**
[25] EN
[54] **GAMING MACHINE WITH SYMBOL REARRANGEMENT**
[54] **MACHINE DE JEU OFFRANT LE REARRANGEMENT DE SYMBOLE**
[72] SMITH, GRANT MICHAEL, IM
[71] FUSION HOLDINGS LIMITED, IM
[22] 2019-02-27
[41] 2019-10-11
[30] GB (1805987.3) 2018-04-11

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[13] A1
[51] **Int.Cl. H04W 48/04 (2009.01) H04W 12/06 (2009.01) H04W 64/00 (2009.01) H04B 1/40 (2015.01) G01S 5/14 (2006.01)**
[25] EN
[54] **PORTABLE WIRELESS COMMUNICATIONS ADAPTER**
[54] **ADAPTATEUR DE COMMUNICATIONS SANS FIL PORTATIF**
[72] BALASUBRAMANIAN, RAMESHKUMAR, IN
[71] GOODRICH AEROSPACE SERVICES PRIVATE LIMITED, IN
[22] 2019-02-27
[41] 2019-10-09
[30] IN (201841013518) 2018-04-09

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[13] A1
[51] **Int.Cl. E02F 3/40 (2006.01) E02F 3/28 (2006.01)**
[25] EN
[54] **HYBRID LOAD BUCKET ASSEMBLY**
[54] **ENSEMBLE DE GODET DE CHARGEMENT HYBRIDE**
[72] CANTU, JORGE LUIS, MX
[72] HALLALE, SANJEEV M., IN
[72] SAHAY, SATYAM, IN
[72] EL-ZEIN, MOHAMAD S., US
[72] SHINDE, VIKAS, IN
[72] PORTILLO, HECTOR, MX
[72] PRIEGO, ISRAEL, US
[72] CHAPA, DANIEL, MX
[72] GUTHY, HEMA V., US
[71] DEERE & COMPANY, US
[22] 2019-03-04
[41] 2019-10-11
[30] US (15/950,756) 2018-04-11

[21] **3,035,753**
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[51] **Int.Cl. E02F 3/38 (2006.01) E02F 9/14 (2006.01) F16B 7/00 (2006.01)**
[25] EN
[54] **HYBRID LOADER BOOM ARM ASSEMBLY**
[54] **ASSEMBLAGE DE BRAS DE MAT DE CHARGEUSE FRONTALE HYBRIDE**
[72] HALLALE, SANJEEV M., IN
[72] EL-ZEIN, MOHAMAD S., US
[72] PORTILLO, HECTOR, MX
[72] PRIEGO, ISRAEL, US
[72] CHAPA, DANIEL, MX
[72] SIVARAMAN, SATHISH KUMAR, IN
[71] DEERE & COMPANY, US
[22] 2019-03-05
[41] 2019-10-11
[30] US (15/950,900) 2018-04-11

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[51] **Int.Cl. B01D 19/00 (2006.01)**
[25] EN
[54] **GAS REMOVAL APPARATUS AND RELATED METHODS**
[54] **APPAREIL D'ELIMINATION DE GAZ ET METHODES ASSOCIEES**
[72] HERRICK, NORTON, US
[72] SALOFF, DAVID, US
[72] GREEN, RICHARD, US
[71] AILNH, LLC, US
[22] 2019-03-06
[41] 2019-10-10
[30] US (15/950,002) 2018-04-10
[30] US (16/132,961) 2018-09-17

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[13] A1
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[25] EN
[54] **DRILLING COMMUNICATION SYSTEM WITH WI-FI WET CONNECT**
[54] **SYSTEME DE COMMUNICATION DE FORAGE A CONNEXION WI-FI HUMIDE**
[72] KAUR, HARMEET, US
[72] RAMIREZ, ROBERT MACK, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2019-03-21
[41] 2019-10-10
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[54] **PROPELLER BLADE ROOT COUPLING**
[54] **RACCORD DE RACINE DE PALE DE PROPULSEUR**
[72] FAGES, CHRISTIAN, FR
[71] RATIER-FIGEAC SAS, FR
[22] 2019-03-20
[41] 2019-10-10
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[25] EN
[54] **CATHETER LOCALIZATION USING FIBER OPTIC SHAPE SENSING COMBINED WITH CURRENT LOCATION**
[54] **LOCALISATION DE CATHETER AU MOYEN DE LA DETECTION DE FORME PAR FIBRE OPTIQUE COMBINEE A L'EMPLACEMENT COURANT**
[72] LUDWIN, DORON MOSHE, IL
[72] COHN, GOREN, IL
[72] YELLIN, TAMIR AVRAHAM, IL
[72] FLEISHON, GAL, IL
[72] SCHECHTER, MENACHEM, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-03-22
[41] 2019-10-10
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[51] **Int.Cl. A61B 5/0428 (2006.01) A61B 5/0402 (2006.01) A61B 5/044 (2006.01) H03M 1/12 (2006.01) H03M 1/66 (2006.01)**
[25] EN
[54] **ROUTING OF ANALOG SIGNALS USING ANALOG/DIGITAL FOLLOWED BY DIGITAL/ANALOG CONVERSION**
[54] **ACHEMINEMENT DE SIGNAL AU MOYEN DE LA CONVERSION ANALOGIQUE-NUMERIQUE SUIVIE DE LA CONVERSION NUMERIQUE-ANALOGIQUE**
[72] GOVARI, ASSAF, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-03-22
[41] 2019-10-10
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[13] A1
[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **TARP COVER SYSTEM WITH SUPPORT BOW CONFIGURATION FOR REDUCING STRESS ON TARP MATERIAL**
[54] **SYSTEME DE REVETEMENT A BACHE COMPORTANT UNE CONFIGURATION DE FLECHE DE SUPPORT SERVANT A REDUIRE LA CONTRAINTE SUR LE MATERIAU DE BACHE**
[72] TENNANT, TERRY JAMES, US
[71] SHUR-CO, LLC, US
[22] 2019-03-25
[41] 2019-10-12
[30] US (15/951397) 2018-04-12

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[25] EN
[54] **THERMAL INSULATION MATERIAL AND METHOD FOR ITS PRODUCTION**
[54] **MATERIAU THERMOISOLANT ET SA METHODE DE PRODUCTION**
[72] GROSS, LUCIA, CH
[71] GROSS, LUCIA, CH
[22] 2019-03-25
[41] 2019-10-10
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[25] EN
[54] **THERMAL MANAGEMENT SYSTEM INCLUDING TWO-PHASED PUMP LOOP AND THERMAL ENERGY STORAGE**
[54] **SYSTEME DE GESTION THERMIQUE COMPRENANT UNE BOUCLE DE POMPE BIPHASEE ET LE STOCKAGE D'ENERGIE THERMIQUE**
[72] DONOVAN, ERIC S., US
[72] HEAD, MICHAEL J., US
[72] RUBEL, KEN S., US
[72] SPANGLER, BRIAN T., US
[72] SNYDER, DOUGLAS J., US
[72] ACIUS, ARIC, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[71] ROLLS-ROYCE CORPORATION, US
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[30] US (62/656,518) 2018-04-12
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[54] **CANNULA ASSEMBLY WITH COLLAPSIBLE FIXATION DEVICE**
[54] **ASSEMBLAGE DE CANULE COMPORTANT UN DISPOSITIF DE FIXATION ECRASABLE**
[72] BUYDA, OKSANA, US
[72] ADINOLFI, AMANDA, US
[71] COVIDIEN LP, US
[22] 2019-03-25
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[54] **VALVE WITH INTEGRAL INSERT-CAST SEAT AND RELATED METHOD**
[54] **VALVE COMPORTANT UN SIEGE INTEGRAL MOULE PAR INSERTION ET METHODE ASSOCIEE**
[72] PICKETT, MARTIN W., US
[72] OGDEN, ROBERT LEWIS, JR., US
[72] ROSE, DAVID, US
[72] FOLK, ROBERT, US
[72] PICKETT, RYAN W., US
[71] CLA-VAL CO., US
[22] 2019-03-26
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[54] **PROTECTIVE HEAD COVER FOR ANIMALS**
[54] **COUVRE-TETE PROTECTEUR DESTINE AUX ANIMAUX**
[72] KOK-DUSON, NICOLE ANTOINETTE, NL
[71] M.P.S. HOLDING B.V., NL
[22] 2019-03-26
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[25] EN
[54] **FOOD CONTAINER**
[54] **CONTENANT ALIMENTAIRE**
[72] WU, JINGDONG, CN
[71] WU, JINGDONG, CN
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[54] **SYSTEMS AND METHODS FOR PROVIDING POWER AND FIRE SUPRESSION USING A TURBO PUMP, COMPRESSES GAS AND AN OBIGGS**
[54] **SYSTEMES ET METHODES DE FOURNITURE D'ALIMENTATION ET DE SUPPRESSION D'INCENDIE AU MOYEN D'UNE POMPE TURBO, D'UN GAZ COMPRIME ET D'UN SYSTEME DE GENERATION DE GAZ INERTE EMBARQUE (OBIGGS)**
[72] HIMMELMANN, RICHARD A., US
[72] CHATTAWAY, ADAM, GB
[72] HAGGE, HARLAN, US
[72] ACEVES, KEVIN P., US
[71] KIDDE TECHNOLOGIES INC., US
[22] 2019-03-25
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[25] EN
[54] **RAZOR WIRE CONTAINER WITH ACCESS OPENING**
[54] **CONTENANT DE BARBELE A LAME DOTE D'UNE OUVERTURE D'ACCES**
[72] HOWE, WILLIAM TYLER, US
[72] SAMARA, CARMEN, US
[71] ALLIED TUBE & CONDUIT CORPORATION, US
[22] 2019-03-28
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[25] EN
[54] **METHOD AND APPARATUS FOR ANAEROBIC SLUDGE DIGESTION MIXING AND HEAT EXCHANGE**
[54] **METHODE ET APPAREIL DE MELANGE DE DIGESTION DE BOUE ANAEROBIE ET D'ECHANGE THERMIQUE**
[72] CREECH, DAVID THOMAS, US
[72] KUSCU, KORAY, US
[72] LAHAYE, CHELSEA ERIN, US
[72] HSU, STEPHEN, US
[71] CHICAGO BRIDGE & IRON CO., US
[22] 2019-03-29
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[54] **FURROW OPENER WITH HEIGHT ADJUSTABLE TIP**
[54] **OUVRE-SILLON COMPORTANT UNE POINTE AJUSTABLE EN HAUTEUR**
[72] STOBBS, STUART C., CA
[71] DUTCH BLACKSMITH SHOP LTD., CA
[22] 2019-04-01
[41] 2019-10-09
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[51] **Int.Cl. H04N 5/232 (2006.01) H04N 19/46 (2014.01) H04L 12/16 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR REMOTELY CONTROLLING A CAMERA IN AN ENVIRONMENT WITH COMMUNICATION LATENCY**
[54] **METHODES ET APPAREIL DE CONTROLE A DISTANCE D'UNE CAMERA DANS UN ENVIRONNEMENT AYANT UNE LATENCE DE COMMUNICATION**
[72] SHEN, PAUL, US
[71] TVU NETWORKS CORPORATION, US
[22] 2019-04-02
[41] 2019-10-06
[30] US (62/653,613) 2018-04-06
[30] US (16/369,062) 2019-03-29

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[54] **AUTHORIZATION PREPROCESSING SYSTEMS AND METHODS**
[54] **SYSTEMES ET METHODES DE PRETRAITEMENT D'AUTORISATION**
[72] MILLER, WALTER A., US
[72] MARTIN, ROBERT A., US
[72] MOUADEB, MARK D., US
[71] CAPITAL ONE SERVICES, LLC, US
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[25] EN
[54] **AUTOMATIC IDENTIFICATION OF COMPONENTS FOR WELDING AND CUTTING TORCHES**
[54] **IDENTIFICATION AUTOMATIQUE DE COMPOSANTES DE TORCHES DE SOUDAGE ET DECOUPAGE**
[72] NADLER, MICHAEL, US
[72] EWING, FREDERIC, US
[72] DOUGHERTY, MAXIMILIAN, US
[71] THE ESAB GROUP, INC., US
[22] 2019-04-02
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[51] **Int.Cl. E04D 3/35 (2006.01) B32B 11/10 (2006.01) B32B 17/02 (2006.01) E04D 3/18 (2006.01)**
[25] EN
[54] **HEAVY GLASS MAT IMPACT RESISTANT ROOFING**
[54] **TOITURE RESISTANT AUX CHOCS COMPORTANT UN MATELAS EN VERRE EPAIS**
[72] SWAYNE, MATTHEW, US
[72] HANCE, JASON, US
[71] TAMKO BUILDING PRODUCTS, INC., US
[22] 2019-04-02
[41] 2019-10-06
[30] US (62/653,691) 2018-04-06

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[51] **Int.Cl. A24F 47/00 (2006.01)**
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[54] **ELECTRONIC CIGARETTE**
[54] **CIGARETTE ELECTRONIQUE**
[72] YUAN, GUOLIN, US
[71] YGREEN INC., US
[22] 2019-04-02
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[30] CN (201820499577.5) 2018-04-10

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[51] **Int.Cl. B60F 5/00 (2006.01) B60H 1/24 (2006.01) B62D 21/00 (2006.01) B62D 21/18 (2006.01)**
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[54] **UTILITY VEHICLE**
[54] **VEHICULE UTILITAIRE**
[72] SCHOUNARD, KYLE J., US
[72] BARBREY, WILLIAM L., US
[72] PETERSON, SHAWN D., US
[72] WEBER, DANIEL S., US
[72] FRIE, DEREK M., US
[71] POLARIS INDUSTRIES INC., US
[22] 2019-04-03
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[51] **Int.Cl. B21D 24/16 (2006.01) B21D 22/20 (2006.01) F21V 5/00 (2018.01) F21V 33/00 (2006.01) F21K 9/00 (2016.01)**
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[54] **DRAWING-OUT TOOL FOR SHEET METAL**
[54] **OUTIL DE DEPOUILLAGE DE TOLE**
[72] ISHIHARA, KOSEI, JP
[71] STAR CO., LTD., JP
[22] 2019-04-03
[41] 2019-10-08
[30] JP (2018-084530) 2018-04-08
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[51] **Int.Cl. E04D 13/147 (2006.01)**
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[54] **CURB FOR USE WITH ROOF FLASHING**
[54] **COURBE DESTINEE A UN SOLIN DE TOITURE**
[72] LUTZ, MICHAEL R., US
[72] HLADYSH, MICHAEL, CA
[72] PLAMBOS, ERIC W., US
[71] AIR DISTRIBUTION TECHNOLOGIES IP, LLC, US
[22] 2019-04-03
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[30] US (62/653,944) 2018-04-06
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[51] **Int.Cl. G06F 16/958 (2019.01) G06Q 30/06 (2012.01) G06F 16/955 (2019.01) G06Q 20/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATICALLY IDENTIFYING A CHECKOUT WEBPAGE AND INJECTING A VIRTUAL TOKEN**
[54] **SYSTEMES ET METHODES D'IDENTIFICATION AUTOMATIQUE D'UNE PAGE WEB DE VALIDATION ET D'INJECTION D'UN JETON VIRTUEL**
[72] BENKREIRA, ABDELKADER M'HAMED, US
[72] BODNER, JONATHAN, US
[72] EDWARDS, JOSHUA, US
[72] MEDIN, ERIC, US
[72] VUKICH, ADAM, US
[72] ZARAKAS, JAMES, US
[71] CAPITAL ONE SERVICES, LLC, US
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[41] 2019-10-11
[30] US (15/950,684) 2018-04-11

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[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ADAPTIVELY EXECUTING USER ROUTINES BASED ON USER INTERACTIONS**
[54] **SYSTEME ET METHODE D'EXECUTION ADAPTATIVE DE ROUTINES D'UTILISATEUR FONDEES SUR LES INTERACTIONS DE L'UTILISATEUR**
[72] KELLY, JAMES P., US
[72] SHARPE, BRUCE A., US
[71] CROSSWIND COMMUNICATIONS, US
[22] 2019-04-04
[41] 2019-10-12
[30] US (16/262,745) 2019-01-30
[30] US (62/656,974) 2018-04-12

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[51] **Int.Cl. H01M 10/48 (2006.01) H01M 10/0525 (2010.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING VOLATILE ORGANIC COMPOUNDS WITHIN A BATTERY ASSEMBLY**
[54] **METHODE ET SYSTEME DE DETECTION DE COMPOSES ORGANIQUES VOLATILS DANS UN ASSEMBLAGE DE BATTERIE**
[72] FIFIELD, JON, US
[71] ASTRONICS ADVANCED ELECTRONIC SYSTEMS CORP., US
[22] 2019-04-03
[41] 2019-10-11
[30] US (62/655,946) 2018-04-11

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[13] A1
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[25] EN
[54] **RAILWAY ROAD CROSSING WARNING SYSTEM WITH SENSING SYSTEM ELECTRICALLY-DECOUPLED FROM RAILROAD TRACK**
[54] **SYSTEMES D'AVERTISSEMENT DE TRAVERSE DE VOIE FERREE COMPORTANT UN SYSTEME DE DETECTION DECOUPLE ELECTRIQUEMENT D'UNE VOIE DE CHEMIN DE FER**
[72] HARP, BRIAN, US
[72] SCHMIDT, HOLGER, US
[72] FRITSCHI, STEFAN, US
[72] YOCUM, JAY, US
[71] SIEMENS INDUSTRY, INC., US
[22] 2019-04-04
[41] 2019-10-06
[30] US (15/947143) 2018-04-06

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[51] **Int.Cl. F01P 5/06 (2006.01) B60K 11/06 (2006.01) F01P 1/00 (2006.01) F01P 5/02 (2006.01)**
[25] EN
[54] **PRIME MOVER AND WORKING MACHINE HAVING THE SAME**
[54] **MOTEUR PRINCIPAL ET MACHINE DE TRAVAIL COMPORTANT LEDIT MOTEUR**
[72] TAKANO, YUKI, JP
[72] NOGUCHI, MAKOTO, JP
[72] MATSUSHITA, TETSUJI, JP
[71] KUBOTA CORPORATION, JP
[22] 2019-04-04
[41] 2019-10-12
[30] JP (2018-076753) 2018-04-12

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[13] A1
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 16/27 (2019.01)**
[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER-READABLE MEDIUM FOR ALLOCATING DIGITAL DATAPROCESSING SYSTEM RESOURCES**
[54] **SYSTEME, METHODE ET SUPPORT INFORMATIQUE SERVANT A ATTRIBUER DES RESSOURCES DE SYSTEME DE TRAITEMENT NUMERIQUE DE DONNEES**
[72] LEE, JOHN JONG SUK, CA
[72] HALDENBY, JULIAN CHARLES, CA
[72] HALDENBY, PERRY AARON JONES, CA
[72] CHAN, PAUL MON-WAH, CA
[72] D'AMICO, EYTHAN, CA
[71] SHUFL INC., CA
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653,758) 2018-04-06

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[51] **Int.Cl. H04N 19/46 (2014.01) H04N 19/182 (2014.01) H04N 19/186 (2014.01) H04N 19/467 (2014.01) H04N 19/895 (2014.01) G06F 16/70 (2019.01) G06F 16/783 (2019.01) H04N 5/268 (2006.01)**
[25] EN
[54] **CONFORMANCE OF MEDIA CONTENT TO ORIGINAL CAMERA SOURCE USING OPTICAL CHARACTER RECOGNITION**
[54] **CONFORMITE DU CONTENU MEDIA A LA SOURCE DE CAMERA ORIGINALE AU MOYEN DE RECONNAISSANCE OPTIQUE DE CARACTERES**
[72] BOONMEE, MARVIN, US
[72] HENRIQUES, WEYRON, US
[71] DELUXE ENTERTAINMENT SERVICES GROUP INC., US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/654,229) 2018-04-06

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[51] **Int.Cl. A47J 47/02 (2006.01) A45F 3/16 (2006.01) A47G 23/04 (2006.01) A47J 41/00 (2006.01) A47J 47/14 (2006.01)**
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[54] **FOOD JAR**
[54] **JARRE A ALIMENTS**
[72] LANE, MARVIN, US
[71] THERMOS L.L.C., US
[22] 2019-04-04
[41] 2019-10-10
[30] US (62/655,757) 2018-04-10

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[51] **Int.Cl. F21V 15/01 (2006.01) F21K 9/00 (2016.01) F21S 8/04 (2006.01) F21S 8/06 (2006.01) F21V 3/00 (2015.01) F21V 21/02 (2006.01) F21V 29/70 (2015.01)**
[25] EN
[54] **LIGHTING FIXTURES AND SYSTEMS INCLUDING THEM, LIGHTING ASSEMBLY ATTACHMENT SYSTEM, AND METHODS OF INSTALLING SAME**
[54] **APPAREILS D'ECLAIRAGE ET SYSTEMES LES COMPORTANT, SYSTEME DE FIXATION D'ASSEMBLAGE D'ECLAIRAGE, ET METHODES D'INSTALLATION ASSOCIEES**
[72] EVANS, PHILLIP, US
[72] MICHAUD, DENNIS, US
[72] DUPONT-MADINIER, KIM, US
[72] BRIGGS, TIMOTHY, US
[71] CERTAINTEED CEILINGS CORPORATION, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/654,238) 2018-04-06
[30] US (62/657,624) 2018-04-13

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[13] A1
[51] **Int.Cl. B65D 1/36 (2006.01) B65D 6/04 (2006.01)**
[25] EN
[54] **MODULAR FOOD AND DRINK CARRIER**
[54] **PORTEUR MODULAIRE D'ALIMENT ET DE BOISSON**
[72] YANG, KEEGAN Y., US
[72] BRETON, DONALD V., US
[72] BONCZYK, WILLIAM F., US
[71] HUHTAMAKI, INC., US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/654,162) 2018-04-06
[30] US (62/744,023) 2018-10-10

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[13] A1
[51] **Int.Cl. B66F 9/22 (2006.01) F04D 15/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EFFICIENT HYDRAULIC PUMP OPERATION IN A HYDRAULIC SYSTEM**
[54] **SYSTEMES ET METHODES D'EXPLOITATION EFFICIENTE DE POMPE HYDRAULIQUE DANS UN SYSTEME HYDRAULIQUE**
[72] TRACY, ERIK C., US
[71] THE RAYMOND CORPORATION, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653850) 2018-04-06

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[51] **Int.Cl. F24F 11/67 (2018.01) F24F 11/80 (2018.01) G01K 3/14 (2006.01) G01K 17/08 (2006.01)**
[25] EN
[54] **CONTROL DEVICE FOR HVAC FAN COIL UNITS**
[54] **DISPOSITIF DE CONTROLE D'UNITES DE SERPENTIN DE VENTILATEUR DE CVCA**
[72] BEAUREGARD, GRAHAM, CA
[71] ECOBEE INC., CA
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653800) 2018-04-06

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[13] A1
[51] **Int.Cl. B66F 9/22 (2006.01) F15B 21/041 (2019.01)**
[25] EN
[54] **AUXILIARY HYDRAULIC CIRCUIT FILTERING SYSTEMS AND METHODS**
[54] **SYSTEMES DE FILTRAGE DE CIRCUIT HYDRAULIQUE AUXILIAIRE ET METHODES**
[72] TRACY, ERIK C., US
[71] THE RAYMOND CORPORATION, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653902) 2018-04-06

[21] **3,039,321**
[13] A1
[51] **Int.Cl. B66F 9/075 (2006.01)**
[25] EN
[54] **MULTI-POSITION LOAD DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES DE DETECTION DE CHARGE MULTIPOSITIONNELLE ET METHODES**
[72] STANDARD, ADAM W., US
[72] TRACY, ERIK C., US
[72] PETERSON, ROBERT J., US
[71] THE RAYMOND CORPORATION, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653914) 2018-04-06

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[21] **3,039,328**
[13] A1
[51] **Int.Cl. B65G 21/20 (2006.01) B61B 3/02 (2006.01)**
[25] EN
[54] **CONVEYOR SYSTEM WITH AUTOMATED CARRIERS**
[54] **SYSTEME DE TRANSPORTEUR EQUIPE DE TRANSPORTEURS AUTOMATIQUES**
[72] ANDREAE, CHAD MARTIN, US
[72] ANDREAE, BRADLEY M., US
[72] MANN, STEPHEN C., US
[72] SCOVILLE, ANTHONY C., US
[71] SST SYSTEMS, INC., US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653,836) 2018-04-06

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[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) B01D 45/00 (2006.01) F01D 25/18 (2006.01)**
[25] EN
[54] **AIR-OIL SEPARATOR WITH TWO FLOW PATHS**
[54] **SEPARTEUR AIR-HUILE COMPORTANT DEUX PARCOURS D'ECOULEMENT**
[72] BROUILLET, SYLVAIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-04-04
[41] 2019-10-10
[30] US (15/949,241) 2018-04-10

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[21] **3,039,340**
[13] A1
[51] **Int.Cl. B01D 45/14 (2006.01)**
[25] EN
[54] **AIR-OIL SEPARATOR WITH FIRST SEPARATOR RADIALLY OUTWARD OF MATRIX SEPARATOR**
[54] **SEPARATEUR AIR-HUILE COMPORTANT UN PREMIER SEPARATEUR ORIENTE RADIALEMENT VERS L'EXTERIEUR DU SEPARATEUR MATRICIEL**
[72] BROUILLET, SYLVAIN, CA
[72] GAUVIN, PIERRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-04-04
[41] 2019-10-10
[30] US (15/949,240) 2018-04-10

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[21] **3,039,357**
[13] A1
[51] **Int.Cl. B66F 11/00 (2006.01) F23G 7/08 (2006.01) F23Q 21/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR THE TRANSPORT OF A DEVICE ALONG A CONSTRUCTION**
[54] **APPAREIL DE TRANSPORT D'UN DISPOSITIF LE LONG D'UNE CONSTRUCTION**
[72] DI GIOVINE, VINCENZO, IT
[71] C&E GROUP S.R.L., IT
[22] 2019-04-05
[41] 2019-10-11
[30] IT (102018000004386) 2018-04-11

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[13] A1
[51] **Int.Cl. A21C 11/00 (2006.01) A21C 3/02 (2006.01) A21C 11/08 (2006.01)**
[25] EN
[54] **MACHINE FOR MOULDING DOUGH FOR OVEN-BAKED PRODUCTS**
[54] **MACHINE DE MOULAGE DE PATE DESTINEE A DES PRODUITS CUITS AU FOUR**
[72] MOLLO, MARCO, IT
[72] ARAGONE, GIOVANNI, IT
[71] SOREMARTEC S.A., LU
[22] 2019-04-05
[41] 2019-10-06
[30] EP (18166201.6) 2018-04-06

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/06 (2012.01) H04W 76/14 (2018.01) G06N 20/00 (2019.01)**
[25] EN
[54] **PROCESSING SYSTEM HAVING A MACHINE LEARNING ENGINE FOR PROVIDING A SELECTABLE ITEM AVAILABILITY OUTPUT**
[54] **SYSTEME DE TRAITEMENT COMPORTANT UN MOTEUR D'APPRENTISSAGE MACHINE SERVANT A FOURNIR UN RESULTAT DE DISPONIBILITE D'ARTICLE SELECTIONNABLE**
[72] LOPEZ, SALVADOR, US
[72] KRIETER, DEAN, US
[72] NARRA, VIKRAM, US
[71] ALLSTATE INSURANCE COMPANY, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (15/947,102) 2018-04-06

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[21] **3,039,366**
[13] A1
[51] **Int.Cl. C30B 29/28 (2006.01) C30B 19/00 (2006.01) G02B 1/08 (2006.01) G02B 27/28 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A GARNET TYPE CRYSTAL**
[54] **METHODE DE FABRICATION D'UN CRISTAL DE TYPE GRENAT**
[72] WATANABE, TOSHIAKI, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[22] 2019-04-05
[41] 2019-10-09
[30] JP (2018-074724) 2018-04-09

[21] **3,039,369**
[13] A1
[51] **Int.Cl. H04B 7/005 (2006.01) H04W 16/14 (2009.01) H04W 16/24 (2009.01) H04B 17/40 (2015.01) H04B 1/04 (2006.01) H04B 7/155 (2006.01)**
[25] EN
[54] **FEEDBACK CANCELLATION ON MULTIBAND BOOSTER**
[54] **ANNULATION DE RETROACTION SUR UN REHAUSSEUR MULTIBANDE**
[72] ASHWORTH, CHRISTOPHER K., US
[72] ANDERSON, DALE R., US
[72] PATEL, ILESH V., US
[72] RAGGIO, GLEN, US
[71] WILSON ELECTRONICS, LLC, US
[22] 2019-04-05
[41] 2019-10-10
[30] US (62/655,735) 2018-04-10
[30] US (62/737,758) 2018-09-27

[21] **3,039,372**
[13] A1
[51] **Int.Cl. H04L 12/875 (2013.01) H04L 12/751 (2013.01) H04B 1/40 (2015.01) H04L 12/24 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **STANDARDIZED HOT-PLUGGABLE TRANSCEIVING UNIT, HOSTING UNIT AND METHOD FOR APPLYING DELAYS BASED ON PORT POSITIONS**
[54] **MODULE D'EMETTEUR A BRANCHEMENT A CHAUD NORMALISE, MODULE D'HEBERGEMENT ET METHODE D'APPLICATION DE DELAIS FONDEE SUR LA POSITION DES PORTS**
[72] LAVOIE, RENAUD, CA
[72] LECLERC, NORMAND, CA
[71] EMBRIONIX DESIGN INC, CA
[22] 2019-04-08
[41] 2019-10-06
[30] US (62/653,842) 2018-04-06
[30] US (15/990,737) 2018-05-28

[21] **3,039,375**
[13] A1
[51] **Int.Cl. F24F 11/62 (2018.01) G06N 3/02 (2006.01)**
[25] EN
[54] **NEURAL NETWORK COMBINING VISIBLE AND THERMAL IMAGES FOR INFERRING ENVIRONMENTAL DATA OF AN AREA OF A BUILDING**
[54] **RESEAU NEURONAL COMBINANT LES IMAGES VISIBLES ET LES IMAGES THERMIQUES POUR INFERER LES DONNEES ENVIRONNEMENTALES D'UNE ZONE D'UN BATIMENT**
[72] GERVAIS, FRANCOIS, CA
[71] DISTECH CONTROLS INC, CA
[22] 2019-04-08
[41] 2019-10-06
[30] US (15/947,157) 2018-04-06

[21] **3,039,398**
[13] A1
[51] **Int.Cl. G06F 16/957 (2019.01) G06F 16/955 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SELECTIVE GENERATION AND DISPLAY OF INTERFACES OF A WEBSITE OR PROGRAM**
[54] **GENERATION ET AFFICHAGE SELECTIFS D'INTERFACES D'UN SITE WEB OU D'UN PROGRAMME**
[72] YAMASHITA, MARK, CA
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-04-08
[41] 2019-10-09
[30] US (15/948520) 2018-04-09

[21] **3,039,410**
[13] A1
[51] **Int.Cl. G01B 11/16 (2006.01) E02D 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING STRUCTURAL INTEGRITY OF SLOPES**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DE L'INTEGRITE STRUCTURELLE DES PENTES**
[72] WEIR-JONES, IAIN, CA
[71] WEIR-JONES ENGINEERING CONSULTANTS LTD., CA
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/654130) 2018-04-06

[21] **3,039,419**
[13] A1
[51] **Int.Cl. F01P 3/18 (2006.01) F16M 1/00 (2006.01) F24F 13/30 (2006.01) F28D 1/00 (2006.01) F28F 9/00 (2006.01)**
[25] EN
[54] **COOLING ASSEMBLY AND METHOD FOR INSTALLATION THEREOF**
[54] **APPAREIL DE REFROIDISSEMENT ET METHODE D'INSTALLATION ASSOCIEE**
[72] KLABA, HENRYK, FR
[72] BAUCHART, GREGORY FRANCIS LOUIS, FR
[72] CHEHADE, ALI, FR
[71] OVH, FR
[22] 2019-04-05
[41] 2019-10-06
[30] EP (18315005.1) 2018-04-06

[21] **3,039,423**
[13] A1
[51] **Int.Cl. A62C 31/22 (2006.01)**
[25] EN
[54] **FIRE SPIKES, FIRE SPIKE TIPS, AND METHODS OF SUPPRESSING FIRE**
[54] **POINTES D'EXTINCTION D'INCENDIE, EMBOUTS DE POINTES D'EXTINCTION D'INCENDIE ET METHODE D'EXTINCTION D'INCENDIE**
[72] O'DONNELL, RYAN, US
[72] NIXON, MICHAEL T., CA
[71] FLASHPOINT FIRE EQUIPMENT, INC., US
[22] 2019-04-08
[41] 2019-10-08
[30] US (62/654,509) 2018-04-08

[21] **3,039,431**
[13] A1
[51] **Int.Cl. G02B 1/08 (2006.01) G02B 27/28 (2006.01)**
[25] EN
[54] **FARADAY ROTATOR, OPTICAL ISOLATOR, AND METHOD OF MANUFACTURING FARADAY ROTATOR**
[54] **ROTATEUR DE FARADAY, ISOLATEUR OPTIQUE ET METHODE DE FABRICATION D'UN ROTATEUR DE FARADAY**
[72] WATANABE, TOSHIAKI, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[22] 2019-04-05
[41] 2019-10-09
[30] JP (2018-074723) 2018-04-09

[21] **3,039,434**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/08 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING AI-BASED COST ESTIMATES FOR SERVICES**
[54] **SYSTEMES ET METHODES DE FOURNITURE D'ESTIMATIONS DE COUT DE SERVICES FONDEES SUR L'IA**
[72] RATTNER, ZACHARY, US
[72] MOHAN, SIDDHARTH, US
[72] GUPTA, VIKRAM, US
[71] YEMBO, INC., US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/654,163) 2018-04-06
[30] US (16/374,449) 2019-04-03

[21] **3,039,435**
[13] A1
[51] **Int.Cl. F01P 3/18 (2006.01) F16M 1/00 (2006.01) F24F 13/30 (2006.01) F28D 1/00 (2006.01) F28F 9/00 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER ASSEMBLY**
[54] **DISPOSITIF D'ECHANGEUR DE CHALEUR**
[72] KLABA, HENRYK, FR
[72] BAUCHART, GREGORY FRANCIS LOUIS, FR
[72] CHEHADE, ALI, FR
[72] LYRIS, ANGELOS, FR
[71] OVH, FR
[22] 2019-04-05
[41] 2019-10-06
[30] EP (18315006.9) 2018-04-06

[21] **3,039,440**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) G16H 40/20 (2018.01) G16H 50/20 (2018.01) A61B 5/00 (2006.01) A61G 12/00 (2006.01)**
[25] EN
[54] **PATIENT RISK ASSESSMENT BASED ON DATA FROM MULTIPLE SOURCES IN A HEALTHCARE FACILITY**
[54] **EVALUATION DU RISQUE D'UN PATIENT FONDEE SUR DES DONNEES DE PLUSIEURS SOURCES DANS UNE INSTALLATION DE SOINS DE SANTE**
[72] RYAN, TERRY, US
[72] LAWRENCE, BRIAN L., US
[72] AGDEPPA, ERIC D., US
[72] PRICKEL, JARED, US
[72] FITZGIBBONS, STACEY A., US
[72] DE BIE, JOHANNES, US
[72] MEYERSON, CRAIG M., US
[72] CHAHAL, JOTPREET, US
[72] SHI, YUAN, US
[72] KAYSER, SUSAN, US
[72] URRUTIA, EUGENE, US
[72] CHUNG, CHIEW YUAN, US
[72] RIORDAN, MATTHEW M., US
[72] ZAPFE, LORI ANN, US
[72] HUDGINS, DARREN S., US
[72] FU, YONGJI, US
[72] EMMONS, KIRSTEN M., US
[71] HILL-ROM SERVICES, INC., US
[22] 2019-04-08
[41] 2019-10-10
[30] US (62/655,385) 2018-04-10

[21] **3,039,445**
[13] A1
[51] **Int.Cl. B67C 3/20 (2006.01) B67D 7/54 (2010.01) B67C 9/00 (2006.01)**
[25] EN
[54] **EXTRACTION SYSTEM FROM A CLOSED LOOP SYSTEM**
[54] **SYSTEME D'EXTRACTION D'UN SYSTEME A BOUCLE FERMEE**
[72] HEADLEY, THOMAS R., US
[72] GEVERS, MATTHEW H., US
[72] HOLLEY, BROCK E., US
[71] TUTHILL CORPORATION, US
[22] 2019-04-08
[41] 2019-10-10
[30] US (62/655,402) 2018-04-10
[30] US (16/364,719) 2019-03-26

[21] **3,039,449**
[13] A1
[51] **Int.Cl. A01K 13/00 (2006.01) A01K 1/015 (2006.01) A01K 1/06 (2006.01) A61D 3/00 (2006.01) B66F 11/00 (2006.01)**
[25] FR
[54] **LIFTING SYSTEM FOR ANIMALS**
[54] **DISPOSITIF DE SUSTENTATION D'ANIMAUX**
[72] SCHOENAERS, PIERRE, BE
[71] SCHOENAERS, PIERRE, BE
[22] 2019-04-08
[41] 2019-10-10
[30] FR (18 70430) 2018-04-10

[21] **3,039,450**
[13] A1
[51] **Int.Cl. H05B 37/02 (2006.01)**
[25] EN
[54] **LED LIGHT TEMPERATURE CONTROL**
[54] **CONTROLE DE TEMPERATURE D'AMPOULE DEL**
[72] FERRELL, DIRRICK, US
[71] ITC, INC., US
[22] 2019-04-08
[41] 2019-10-06
[30] US (62/653,941) 2018-04-06

[21] **3,039,463**
[13] A1
[51] **Int.Cl. F04C 2/107 (2006.01) E21B 43/12 (2006.01) F04B 47/06 (2006.01) F04C 15/00 (2006.01)**
[25] EN
[54] **ROTATIONAL PUMP AND METHOD**
[54] **POMPE ROTATIVE ET METHODE**
[72] PONDER, ANDREW, US
[72] HART, DANIEL, US
[72] JOPPE, LAMBERTUS, US
[72] JORPELAND, JON-TORE, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[22] 2019-04-08
[41] 2019-10-06
[30] US (15/947568) 2018-04-06

[21] **3,039,572**
[13] A1
[51] **Int.Cl. B65G 65/46 (2006.01) B65G 21/10 (2006.01) B65G 33/24 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **APPARATUSES AND METHODS FOR UNLOADING PARTICULATE MATERIAL FROM A BOTTOM DISCHARGE CHUTE OF A SOURCE RECEPTACLE TO AN ELEVATED INLET OF A DESTINATION RECEPTACLE**
[54] **APPAREILLAGES ET METHODES DE DECHARGEMENT DE MATIERE PARTICULAIRE D'UNE GOULOTTE DE DECHARGE PAR LE FOND D'UN RECEPTACLE SOURCE A UNE ENTREE ELEVEE D'UN RECEPTACLE DE DESTINATION**
[72] QUIST, PAUL T., CA
[71] QUASAR FARMS (1980) LTD, CA
[22] 2019-04-09
[41] 2019-10-09
[30] US (62654979) 2018-04-09
[30] US (62747960) 2018-10-19

[21] **3,039,575**
[13] A1
[51] **Int.Cl. A01D 90/10 (2006.01) A01F 25/20 (2006.01) B60P 1/40 (2006.01) B65G 65/46 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **AUGER FLIGHT EXTENSION FOR A FARM IMPLEMENT**
[54] **EXTENSION DE RACLETTE DE VIS HELICOIDALE DESTINEE A UN INSTRUMENT DE FERME**
[72] GERDEMAN, SHAWN W., US
[72] VAN MILL, MICHAEL D., US
[71] UNVERFERTH MANUFACTURING COMPANY, INC., US
[22] 2019-04-08
[41] 2019-10-10
[30] US (15/949,674) 2018-04-10

[21] **3,039,584**
[13] A1
[51] **Int.Cl. B62J 1/08 (2006.01) B62K 19/36 (2006.01)**
[25] EN
[54] **BICYCLE SEAT POST TRAVEL ADJUSTMENT ASSEMBLY**
[54] **MECANISME D'AJUSTEMENT DE PARCOURS DE MONTANT DE SIEGE DE BICYCLETTE**
[72] STAPLES, JONATHAN, CA
[71] D3 INNOVATION INC., CA
[22] 2019-04-09
[41] 2019-10-10
[30] US (62/655561) 2018-04-10

[21] **3,039,602**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **METHOD FOR USE WITH A JOB, SYSTEM FOR CARRYING OUT THE METHOD AND USES**
[54] **METHODE DESTINEE A UNE TACHE, SYSTEME D'EXECUTION DE LA METHODE ET UTILISATIONS**
[72] HANOUN, REED, CA
[72] SONNE, MIKE, CA
[72] LITHWICK, DAVID, CA
[71] HANOUN, REED, CA
[71] SONNE, MIKE, CA
[71] LITHWICK, DAVID, CA
[22] 2019-04-09
[41] 2019-10-09
[30] US (62/654,910) 2018-04-09

[21] **3,039,623**
[13] A1
[51] **Int.Cl. B29C 70/30 (2006.01) C08J 5/14 (2006.01)**
[25] EN
[54] **METHODS OF MANUFACTURING A HIGH FRICTION COMPOSITE MATERIAL FOR FOOTWEAR**
[54] **METHODE DE FABRICATION DE MATERIAU MIXTE A FRICTION ELEVEE DESTINE A UNE CHAUSSURE**
[72] BAGHERI, ZAHRA S., CA
[72] ANWER, ALI O., CA
[72] RIZVI, REZA, CA
[72] NAGUIB, HANI E., CA
[72] DUTTA, TILAK, CA
[72] FERNIE, GEOFFREY ROY, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[22] 2019-04-09
[41] 2019-10-10
[30] US (62/655,430) 2018-04-10

[21] **3,039,624**
[13] A1
[51] **Int.Cl. H04W 4/70 (2018.01) H04W 12/02 (2009.01) H04W 80/08 (2009.01) G06F 21/62 (2013.01) G06F 16/22 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE APPLIANCE OPERATION**
[54] **SYSTEME ET METHODE D'UTILISATION SECURITAIRE D'UN APPAREIL ELECTROMENAGER**
[72] JABARA, GARY BERNARD, US
[72] ZEB, SHAH J., US
[72] LINDER, LLOYD FREDERICK, US
[71] MOBILITIE, LLC, US
[22] 2019-04-09
[41] 2019-10-09
[30] US (15/948,913) 2018-04-09

[21] **3,039,627**
[13] A1
[51] **Int.Cl. B64F 1/10 (2006.01)**
[25] EN
[54] **SYSTEM FOR TOWING AN AIRCRAFT, COMPRISING AN IMPROVED DEVICE FOR CONTROLLING THE DIRECTION OF THE AIRCRAFT**
[54] **SYSTEME DE REMORQUAGE D'UN AERONEF, COMPRENANT UN DISPOSITIF AMELIORE SERVANT A CONTROLER LA DIRECTION DE L'AERONEF**
[72] GULLI, CHRISTIAN, FR
[72] ROUSSEL, PATRICK, FR
[72] HUBERT, PATRICK, FR
[71] AIRBUS OPERATIONS (SAS), FR
[71] AIRBUS (SAS), FR
[22] 2019-04-08
[41] 2019-10-10
[30] FR (18 53 130) 2018-04-10

[21] **3,039,633**
[13] A1
[51] **Int.Cl. G06F 13/38 (2006.01)**
[25] EN
[54] **COMMUNICATION BETWEEN AN IMAGE FORMING DEVICE AND A REPLACEABLE SUPPLY ITEM**
[54] **COMMUNICATION ENTRE UN DISPOSITIF DE FORMATION D'IMAGE ET UN ARTICLE D'APPROVISIONNEMENT REMPLACABLE**
[72] FOLEY, NATHAN WAYNE, US
[72] WILLIAMS, JENNIFER TOPMILLER, US
[72] WOODS, GREGORY SCOTT, US
[72] MOORE, JIMMY DANIEL, JR., US
[71] LEXMARK INTERNATIONAL, INC., US
[22] 2019-04-08
[41] 2019-10-12
[30] US (15/951,586) 2018-04-12

[21] **3,039,701**
[13] A1
[51] **Int.Cl. H04N 19/186 (2014.01) H04N 19/124 (2014.01) H04N 19/13 (2014.01) H04N 19/172 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR PROCESSING VIDEO**
[54] **SYSTEMES, METHODES ET APPAREILS DE TRAITEMENT VIDEO**
[72] GROIS, DAN, US
[72] GILADI, ALEX, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653,891) 2018-04-06

[21] **3,039,702**
[13] A1
[51] **Int.Cl. H04N 19/87 (2014.01) H04N 19/142 (2014.01) H04N 19/159 (2014.01) H04N 19/186 (2014.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR COMPRESSING VIDEO**
[54] **SYSTEMES ET METHODES DE COMPRESSION VIDEO**
[72] GILADI, ALEX, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653,970) 2018-04-06

[21] **3,039,704**
[13] A1
[51] **Int.Cl. E04F 13/21 (2006.01)**
[25] EN
[54] **HANGING DEVICE FOR SIDING MEMBERS**
[54] **DISPOSITIF DE SUPPORT DESTINE A DES ELEMENTS DE PAREMENT**
[72] KRAKE, KELLY, CA
[72] TOUSIGNANT, LIETTE, CA
[72] KURTZ, MICHAEL, CA
[72] CAMPANA, IAN MATTHEW, CA
[71] UNDER THE ROOF DECORATING INC., CA
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653,717) 2018-04-06

[21] **3,039,706**
[13] A1
[51] **Int.Cl. B03D 1/02 (2006.01) B01D 21/26 (2006.01) B03B 9/02 (2006.01) B03D 1/14 (2006.01)**
[25] EN
[54] **BITUMEN EXTRACTION USING REDUCED SHEAR CONDITIONS**
[54] **EXTRACTION DU BITUME EMPLOYANT DES CONDITIONS DE CISAILLEMENT REDUIT**
[72] REID, KEVIN, CA
[72] NG, YIN MING SAMSON, CA
[72] BARA, BARRY, CA
[72] BHATTACHARYA, SUJIT, CA
[71] SYNCRUDE CANADA LTD., CA
[22] 2019-04-08
[41] 2019-10-09
[30] US (62/654,957) 2018-04-09

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[13] A1
[51] **Int.Cl. G05B 23/00 (2006.01) G08B 29/00 (2006.01)**
[25] EN
[54] **AUTONOMOUS COMMISSIONING AND INSPECTION OF ALARM SYSTEMS**
[54] **MISE EN SERVICE ET INSPECTION AUTONOMES DE SYSTEMES D'ALARME**
[72] PIECH, MARCIN, US
[72] WITCZAK, TADEUSZ PAWEL, US
[72] BOGLI, CRAIG DREW, US
[72] OGGIANU, STELLA M., US
[71] CARRIER CORPORATION, US
[22] 2019-04-08
[41] 2019-10-12
[30] US (62/656,726) 2018-04-12

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[51] **Int.Cl. G02B 6/40 (2006.01) G02B 6/46 (2006.01) H05K 7/10 (2006.01)**
[25] EN
[54] **CROSS CONNECT SYSTEM AND TRAY**
[54] **SYSTEME ET PLATEAU A CONNEXION CROISEE**
[72] PILON, VINCENT, CA
[72] CHABOT, BRUNO, CA
[71] BELDEN CANADA INC., CA
[22] 2019-04-05
[41] 2019-10-06
[30] US (62/653,771) 2018-04-06

[21] **3,039,712**
[13] A1
[51] **Int.Cl. G06F 21/86 (2013.01) G07F 7/08 (2006.01)**
[25] EN
[54] **PAYMENT TERMINAL SECURITY DEVICE COMPRISING AN EMBEDDED SECURITY ELEMENT**
[54] **DISPOSITIF DE SECURITE DE TERMINAL DE PAIEMENT COMPRENANT UN ELEMENT DE SECURITE INTEGRE**
[72] HERNANDEZ, VINCENT, FR
[71] INGENICO GROUP, FR
[22] 2019-04-08
[41] 2019-10-09
[30] FR (1853073) 2018-04-09

[21] **3,039,715**
[13] A1
[51] **Int.Cl. A47B 81/00 (2006.01) A47B 53/00 (2006.01) A47B 96/00 (2006.01) A47G 29/30 (2006.01)**
[25] EN
[54] **SMART LOCKER SYSTEM**
[54] **MECANISME DE CASIER INTELLIGENT**
[72] SCHMIDER, JOHN PAUL, CA
[72] MAGUIRE, KIERAN, CA
[72] VERA, ELOISA, CA
[72] JIN, YONG SUK, CA
[72] JAFFER, SHAMIRA, CA
[71] SIGNIFI SOLUTIONS INC., CA
[22] 2019-04-10
[41] 2019-10-11
[30] US (62/655900) 2018-04-11

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[51] **Int.Cl. H04L 9/32 (2006.01) G06F 21/30 (2013.01)**
[25] EN
[54] **SYSTEM FOR RELIABLY ACCESSING A PROTECTED RESOURCE**
[54] **SYSTEME D'ACCES FIABLE A UNE RESSOURCE PROTEGEE**
[72] HOLT, DICKON, GB
[72] FORREST, MICHAEL, GB
[71] BARCLAYS SERVICES LIMITED, GB
[22] 2019-04-10
[41] 2019-10-11
[30] EP (18166874.0) 2018-04-11

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[51] **Int.Cl. B66F 9/075 (2006.01) B60K 1/04 (2019.01)**
[25] EN
[54] **BATTERY ELECTRIC COUNTERBALANACED FORKLIFT**
[54] **ELEVATEUR A FOURCHE A CONTREPOIDS ELECTRIQUE A BATTERIE**
[72] YOSHIOKA, MASAHIRO, JP
[72] TORIKAWA, MAKOTO, JP
[71] MITSUBISHI LOGISNEXT CO., LTD., JP
[22] 2019-04-10
[41] 2019-10-10
[30] JP (2018-075174) 2018-04-10

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[51] **Int.Cl. G09B 19/00 (2006.01) A62C 99/00 (2010.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TRAINING FIREFIGHTERS**
[54] **SYSTEMES ET METHODES DE FORMATION DES POMPIERS**
[72] O'DONNELL, RYAN, US
[72] NIXON, MICHAEL T., CA
[71] FLASHPOINT FIRE EQUIPMENT, INC., US
[22] 2019-04-10
[41] 2019-10-10
[30] US (62/732,465) 2018-09-17
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[25] EN
[54] **SYSTEM AND METHOD FOR CORRECTING CONVEYOR BELT MISALIGNMENT**
[54] **SYSTEMES ET METHODES DE CORRECTION DE DESALIGNEMENT DE COURROIE DE TRANSPORTEUR**
[72] CARNIATO, MICHAEL, CA
[72] WOLFE, DAN, CA
[72] POLAK, MARK, CA
[72] WU, YUXIANG (ISAAC), CA
[72] MOON, SOON WON, CA
[71] SYNCRUDE CANADA LTD., CA
[22] 2019-04-09
[41] 2019-10-10
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[21] **3,039,874**
[13] A1
[51] **Int.Cl. G08G 1/01 (2006.01) G08G 1/08 (2006.01)**
[25] FR
[54] **ELECTRONIC DEVICE AND MONITORING PROCESS OF A ROAD INTERSECTION ZONE FOR SELF-DRIVING CARS, ASSOCIATED COMPUTER PROGRAM**
[54] **DISPOSITIF ELECTRONIQUE ET PROCEDE DE SURVEILLANCE D'UNE ZONE D'INTERSECTION ROUTIERE A DESTINATION DE VEHICULE(S) AUTOMOBILE(S) AUTONOME(S), PROGRAMME D'ORDINATEUR ASSOCIE**
[72] KARAOGUZ, CEM, FR
[71] TRANSDEV GROUP, FR
[22] 2019-04-09
[41] 2019-10-10
[30] FR (1853096) 2018-04-10

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[51] **Int.Cl. E04G 1/06 (2006.01) E04G 5/00 (2006.01) E04G 7/02 (2006.01)**
[25] EN
[54] **TRIPLE LATCHING HORIZONTAL SCAFFOLD MEMBER WITH THREE TRIGGERS**
[54] **ELEMENT D'ECHAFAUDAGE HORIZONTAL A TRIPLE VERROU EQUIPE DE TROIS DECLENCHEURS**
[72] CURTIS, JOHNNY, US
[71] DELTAK MANUFACTURING, INC., US
[22] 2019-04-10
[41] 2019-10-10
[30] US (62/655337) 2018-04-10

[21] **3,039,878**
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[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEMS FOR DETERMINING CUSTOMER INTEREST IN GOODS**
[54] **SYSTEMES PERMETTANT DE DETERMINER L'INTERET D'UN CONSOMMATEUR POUR DES PRODUITS**
[72] SHAH, SALIK, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-04-10
[41] 2019-10-12
[30] US (15/951816) 2018-04-12

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[13] A1
[51] **Int.Cl. G06F 3/0484 (2013.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ASSISTING USER INTERACTIONS WITH DISPLAYS**
[54] **SYSTEMES ET METHODES D'ASSISTANCE AUX INTERACTIONS D'UN UTILISATEUR AVEC DES AFFICHEURS**
[72] KOEPPEL, ADAM R., US
[72] LOCKE, TYLER, US
[72] ZARAKAS, JAMES, US
[72] WURMFELD, DAVID KELLY, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-04-11
[41] 2019-10-12
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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 21/60 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATICALLY SECURING SENSITIVE DATA IN PUBLIC CLOUD USING A SERVERLESS ARCHITECTURE**
[54] **SYSTEME ET METHODE DE SECURISATION AUTOMATIQUE DE DONNEES SENSIBLES DANS LE NUAGE PUBLIC AU MOYEN D'UNE ARCHITECTURE SANS SERVEUR**
[72] FONSEKA, NATHAL L., US
[72] PANSARI, ANKIT, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-04-11
[41] 2019-10-11
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[21] **3,039,953**
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[25] EN
[54] **INTEGRATED POINT-OF-CARE CARTRIDGE ASSAY SYSTEM**
[54] **SYSTEME DE TEST DIAGNOSTIC INTEGRE A CARTOUCHE AU POINT DE SOINS**
[72] MACLEAN, JAMES LAUGHLIN, CA
[72] BRERETON, CALVIN JAMES, CA
[72] UDAYAKUMAR, NIRUSHAN DARREN, CA
[72] TAN, LYNNEA LURLINE YEE LIN, CA
[72] BHATT, NISHI PAVANKUMAR, CA
[71] VITAMETER INC., CA
[22] 2019-04-11
[41] 2019-10-11
[30] US (62/655949) 2018-04-11

[21] **3,039,955**
[13] A1
[51] **Int.Cl. B65D 41/26 (2006.01)**
[25] EN
[54] **FITMENT OR ADAPTER FOR A FLUID CONTAINER**
[54] **CONFIGURATION OU ADAPTATEUR DE CONTENANT DE FLUIDE**
[72] FRENCH, JORDAN ROBERT, US
[72] TEMPEL, SETH, US
[72] ROWE, JASON, US
[71] BERRY GLOBAL, INC., US
[22] 2019-04-11
[41] 2019-10-11
[30] US (62/656,106) 2018-04-11

[21] **3,039,958**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **INTELLIGENT REFRESHING OF ACCESS TOKENS**
[54] **RAFRAICHISSEMENT INTELLIGENT DE JETONS D'ACCES**
[72] HOLT, DICKON, GB
[72] FORREST, MICHAEL, GB
[71] BARCLAYS SERVICES LIMITED, GB
[22] 2019-04-10
[41] 2019-10-11
[30] EP (18166880.7) 2018-04-11

[21] **3,039,964**
[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) H04L 12/24 (2006.01)**
[25] EN
[54] **SYSTEM FOR EFFICIENT MANAGEMENT AND STORAGE OF ACCESS TOKENS**
[54] **SYSTEME DE GESTION EFFICACE ET DE STOCKAGE DE JETONS D'ACCES**
[72] HOLT, DICKON, GB
[72] FORREST, MICHAEL, GB
[71] BARCLAYS SERVICES LIMITED, GB
[22] 2019-04-10
[41] 2019-10-11
[30] EP (18166865.8) 2018-04-11

[21] **3,039,970**
[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01) H04L 9/32 (2006.01) H04L 12/26 (2006.01)**
[25] EN
[54] **TOKEN INVALIDATION**
[54] **INVALIDATION DE JETON**
[72] HOLT, DICKON, GB
[72] FORREST, MICHAEL, GB
[71] BARCLAYS SERVICES LIMITED, GB
[22] 2019-04-10
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[30] EP (18166873.2) 2018-04-11

[21] **3,039,974**
[13] A1
[51] **Int.Cl. F25B 7/00 (2006.01) F01P 3/22 (2006.01) F28D 15/02 (2006.01) F28D 21/00 (2006.01)**
[25] EN
[54] **MECHANICALLY PUMPED SYSTEM FOR DIRECT CONTROL OF TWO-PHASE ISOTHERMAL EVAPORATION**
[54] **SYSTEME POMPE MECANIQUEMENT SERVANT AU CONTROLE DIRECT DE L'EVAPORATION ISOTHERME A DEUX PHASES**
[72] JANSEN, EUGENE, US
[72] DONOVAN, ERIC, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-04-11
[41] 2019-10-11
[30] US (62/656,168) 2018-04-11
[30] US (16/380,644) 2019-04-10

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[13] A1
[51] **Int.Cl. A01G 22/35 (2018.01) A01G 9/02 (2018.01) B25J 15/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PLACING BULBS**
[54] **APPAREIL ET METHODE DE POSITIONNEMENT DE BULBES**
[72] STRUIJK, WIM, NL
[72] VAN DER EL, WIM, NL
[72] WAGNER, ANDREW, NL
[71] IG SPECIALS B.V., NL
[22] 2019-04-10
[41] 2019-10-10
[30] NL (2020742) 2018-04-10
[30] NL (2022385) 2019-01-11

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[51] **Int.Cl. B65B 23/22 (2006.01) B65B 35/56 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PLACING BULBS**
[54] **APPAREIL ET METHODE DE POSITIONNEMENT DE BULBES**
[72] STRUIJK, WIM, NL
[72] VAN DER EL, WIM, NL
[72] WAGNER, ANDREW, NL
[71] IG SPECIALS B.V., NL
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[41] 2019-10-10
[30] NL (2020742) 2018-04-10
[30] NL (2022385) 2019-01-11

[21] **3,040,019**
[13] A1
[51] **Int.Cl. B66F 11/04 (2006.01) B66F 9/12 (2006.01)**
[25] EN
[54] **APPARATUS FOR HANDLING HEAVY COMPONENTS ON CONTAINERS**
[54] **APPAREIL DE MANIPULATION DE COMPOSANTES LOURDES SUR DES CONTENANTS**
[72] CALOMINO, ANTHONY, US
[72] HEALY, WILLIAM, US
[71] GREENFIELD PRODUCTS, LLC, US
[22] 2019-04-11
[41] 2019-10-11
[30] US (62/655,876) 2018-04-11

[21] **3,040,079**
[13] A1
[51] **Int.Cl. A47L 25/00 (2006.01) B08B 1/00 (2006.01) B60S 3/00 (2006.01) G03B 17/56 (2006.01)**
[25] EN
[54] **CAMERA LENS AND SENSOR CLEANING TOOL**
[54] **LENTILLE DE CAMERA ET OUTIL DE NETTOYAGE DE CAPTEUR**
[72] PETTINICCHIO, GIUSEPPE, CA
[71] PETTINICCHIO, GIUSEPPE, CA
[22] 2019-04-12
[41] 2019-10-12
[30] US (62656673) 2018-04-12

[21] **3,040,086**
[13] A1
[51] **Int.Cl. G06K 9/78 (2006.01) G06Q 30/06 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING MAKE-UP, COSMETIC, AND BEAUTY PRODUCTS IN PHOTOGRAPHS AND VIDEO**
[54] **SYSTEME ET METHODE D'IDENTIFICATION DE MAQUILLAGE, COSMETIQUE ET PRODUITS DE BEAUTE DANS LES PHOTOGRAPHIES ET LES VIDEOS**
[72] CRUZ, JESSICA M., US
[71] INSTALOOK, INC., US
[22] 2019-04-12
[41] 2019-10-12
[30] US (62656652) 2018-04-12
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[25] EN
[54] **DRAINAGE CHANNEL FOR USE IN A BUILDING WALL**
[54] **CANAL D'EVACUATION DESTINE A UN MUR DE BATIMENT**
[72] JOHNSON, GARY R., US
[71] INNOVATION CALUMET LLC, US
[22] 2019-04-10
[41] 2019-10-10
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[51] **Int.Cl. B23C 5/28 (2006.01)**
[25] EN
[54] **ULTRA SOFT CUTTING TOOL COATINGS AND COATING METHOD**
[54] **REVETEMENTS D'OUTIL DE COUPE ULTRADOUX ET METHODE DE REVETEMENT**
[72] VELDHUIS, STEPHEN C., CA
[72] ARAMESH, MARYAM, CA
[72] MONTAZERI, SAHARNAZ, CA
[71] MCMASTER UNIVERSITY, CA
[22] 2019-04-12
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[13] A1
[51] **Int.Cl. G06Q 40/08 (2012.01) G06N 3/02 (2006.01)**
[25] EN
[54] **FACTORY RISK ESTIMATION USING HISTORICAL INSPECTION DATA**
[54] **ESTIMATION DU RISQUE D'USINE AU MOYEN DE DONNEES HISTORIQUES D'INSPECTION**
[72] NGUYEN, BINH THANH, VN
[72] NGUYEN, VIET CUONG THANH, VN
[71] INSPECTORIO INC., US
[22] 2019-07-31
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[30] US (62/864,947) 2019-06-21

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[13] A1
[51] **Int.Cl. G06Q 40/08 (2012.01) G06N 3/02 (2006.01)**
[25] EN
[54] **INSPECTION RISK ESTIMATION USING HISTORICAL INSPECTION DATA**
[54] **ESTIMATION DU RISQUE D'INSPECTION AU MOYEN DE DONNEES HISTORIQUES D'INSPECTION**
[72] NGUYEN, BINH THANH, VN
[72] NGUYEN, VIET CUONG THANH, VN
[71] INSPECTORIO INC., US
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[51] **Int.Cl. B05B 15/555 (2018.01)**
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[54] **DEVICE FOR CLEANING AND DRYING A SPRAYING UNIT**
[54] **DISPOSITIF DE NETTOYAGE ET DE SECHAGE D'UNE UNITE DE PULVERISATION**
[72] DOYLE, JAMES LAURENCE, CA
[71] DOYLE, JAMES LAURENCE, CA
[71] CIRCLE DYNAMICS INC., CA
[85] 2019-05-27
[86] 2016-12-09 (PCT/CA2016/051455)
[87] (WO2018/102907)

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[13] A1
[51] **Int.Cl. A61K 36/82 (2006.01) A61K 31/122 (2006.01) A61K 31/198 (2006.01) A61K 31/353 (2006.01) A61K 31/355 (2006.01) A61K 31/381 (2006.01) A61K 36/21 (2006.01) A61K 36/74 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **WEIGHT MANAGEMENT COMPOSITION**
[54] **COMPOSITION DE GESTION DU POIDS**
[72] TARNOPOLSKY, MARK, CA
[71] EXERKINE CORPORATION, CA
[85] 2019-09-06
[86] 2018-03-20 (PCT/CA2019/050342)
[87] (WO2019/178689)
[30] US (62/645561) 2018-03-20

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[13] A1
[51] **Int.Cl. H01G 4/33 (2006.01) H01G 4/06 (2006.01)**
[25] EN
[54] **RF INTEGRATED POWER CONDITION CAPACITOR**
[54] **CONDENSATEUR A CONDITION DE PUISSANCE RF INTEGREE**
[72] FLEMMING, JEB H., US
[72] BULLINGTON, JEFF A., US
[71] 3D GLASS SOLUTIONS, INC., US
[85] 2019-08-06
[86] 2019-03-28 (PCT/US2019/024496)
[87] (3051140)
[30] US (62/655,618) 2018-04-10

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[13] A1
[51] **Int.Cl. A61K 35/15 (2015.01) A23L 33/10 (2016.01) A61K 8/98 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING OR TREATING HYPERSENSITIVITY IMMUNE DISEASE, AND METHOD FOR PRODUCING SAME**
[54] **COMPOSITION PHARMACEUTIQUE POUR PREVENIR OU TRAITER UNE MALADIE IMMUNITAIRE D'HYPERSENSIBILITE, ET SON PROCEDE DE PRODUCTION**
[72] SHIN, SUNG JAE, KR
[72] CHOI, WAHN SOO, KR
[72] KIM, WOO SIK, KR
[72] KIM, HYUK SOON, KR
[72] KIM, HONG MIN, KR
[71] QURATIS INC., KR
[85] 2019-07-30
[86] 2018-01-30 (PCT/KR2018/001295)
[87] (WO2018/143650)
[30] KR (10-2017-0014075) 2017-01-31

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[13] A1
[51] **Int.Cl. H04W 8/18 (2009.01) H04W 68/00 (2009.01) H04W 24/10 (2009.01) H04W 76/27 (2018.01) H04W 76/38 (2018.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR HANDLING RADIO ACCESS NETWORK NOTIFICATION AREA UPDATE FAILURE AND PAGING**
[54] **PROCEDES ET APPAREILS DE GESTION D'ECHEC DE MISE A JOUR DE ZONE DE NOTIFICATION DE RESEAU D'ACCES RADIO ET DE RADIOMESSAGERIE**
[72] PARK, KYUNGMIN, US
[72] DINAN, ESMAEL, US
[71] OFINNO, LLC, US
[85] 2019-09-17
[86] 2018-03-19 (PCT/US2018/023180)
[87] (WO2018/170516)
[30] US (62/473,010) 2017-03-17

[21] **3,057,083**
[13] A1
[51] **Int.Cl. B05C 5/02 (2006.01) B05C 11/10 (2006.01)**
[25] EN
[54] **PUMP STYLE DISPENSE MECHANISM FOR FLOWABLE PRODUCT PACKAGING**
[54] **MECANISME DE DISTRIBUTION DE TYPE POMPE DESTINE A UN EMBALLAGE DE PRODUIT FLUIDE**
[72] MICNERSKI, KENNETH, US
[71] LIQUI-BOX CORPORATION, US
[85] 2019-09-18
[86] 2018-03-20 (PCT/US2018/023248)
[87] (WO2018/175373)
[30] US (62/473,840) 2017-03-20
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[13] A1
[51] **Int.Cl. A61K 31/395 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS FOR THE TREATMENT OF PARASITIC DISEASES**
[54] **COMPOSES ET PROCEDES POUR LE TRAITEMENT DE MALADIES PARASITAIRES**
[72] COMER, EAMON, US
[72] KATO, NOBUTAKA, US
[72] MORNINGSTAR, MARSHALL, US
[72] MELILLO, BRUNO, US
[71] THE BROAD INSTITUTE, INC., US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2019-09-18
[86] 2018-03-20 (PCT/US2018/023270)
[87] (WO2018/175385)
[30] US (62/473,771) 2017-03-20

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[13] A1
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 35/741 (2015.01) A61K 9/16 (2006.01) A61K 35/74 (2015.01) A61K 38/16 (2006.01) A61K 38/43 (2006.01) A61K 38/46 (2006.01) A61P 1/00 (2006.01) C12N 9/14 (2006.01) C12N 9/16 (2006.01)**
[25] EN
[54] **ALKALINE PHOSPHATASE FORMULATIONS**
[54] **FORMULATIONS DE PHOSPHATASE ALCALINE**
[72] WATCHER, VINCENT J., US
[72] WEST, BLAIR J., US
[72] KALEKO, MICHAEL, US
[72] FURLAN FREGUIA, CHRISTIAN, US
[71] SYNTHETIC BIOLOGICS, INC., US
[85] 2019-09-18
[86] 2018-03-20 (PCT/US2018/023327)
[87] (WO2018/175413)
[30] US (62/474,147) 2017-03-21

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[54] **MULTIPOSITION COLLIMATION DEVICE AND X-RAY IMAGING SYSTEMS**
[54] **DISPOSITIF DE COLLIMATION A POSITIONS MULTIPLES ET SYSTEMES D'IMAGERIE A RAYONS X**
[72] ABRAMOVICH, MARK, US
[72] BRATSLAVSKY, AARON, US
[72] SMITH, CHARLES, US
[72] MANDELKEM, STAN, US
[72] HWANG, LIANG, US
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[54] **METHODS AND APPARATUS FOR REMOVAL OF INTRACRANIAL HEMORRHAGE**
[54] **PROCEDES ET APPAREIL D'ELIMINATION D'HEMORRAGIE INTRACRANIENNE**
[72] LOISEL, STEVEN, US
[71] PENUMBRA, INC., US
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[54] **BRACE WITH STRAP DEVICE FOR EXERCISING STABILITY MUSCLES**
[54] **DISPOSITIF DE TYPE ORTHESE AVEC SANGLE SERVANT A EXERCER DES MUSCLES DE STABILISATION**
[72] NEGRON, JOSEPH, US
[71] NEGRON, JOSEPH, US
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[54] **STEM CELL-DERIVED ASTROCYTES, METHODS OF MAKING AND METHODS OF USE**
[54] **ASTROCYTES DERIVES DE CELLULES SOUCHES, LEURS PROCEDES DE PREPARATION ET PROCEDES D'UTILISATION**
[72] STUDER, LORENZ, US
[72] TCHIEU, JASON, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
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[54] **METHODS AND SYSTEMS TO AUTOMATE SURGICAL INTERVENTIONS**
[54] **PROCEDES ET SYSTEMES POUR AUTOMATISER DES INTERVENTIONS CHIRURGICALES**
[72] MAHADIK, AMIT, US
[72] VENKATARAMAN, JAGADISH, US
[72] PARAMASIVAN, RAMANAN, US
[72] HUNTER, BRAD, US
[72] JILA, AFSHIN, US
[72] KRISHNA, KUNDAN, US
[72] RAU, HANNES, US
[71] STRYKER CORPORATION, US
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[54] **DEPTH BASED FOVEATED RENDERING FOR DISPLAY SYSTEMS**
[54] **RESTITUTION FOVEALE BASEE SUR LA PROFONDEUR POUR SYSTEMES D'AFFICHAGE**
[72] YEOH, IVAN LI CHUEN, US
[72] EDWIN, LIONEL ERNEST, US
[72] MATHUR, VAIBHAV, US
[72] DALRYMPLE, TIM, US
[72] SCHAEFER, JASON, US
[72] CARLISLE, CLINTON, US
[72] CHENG, HUI-CHUAN, US
[72] OH, CHULWOO, US
[72] PREMYSLER, PHILIP, US
[72] ZHANG, XIAOYANG, US
[72] CARLSON, ADAM, US
[72] SAMEC, NICOLE ELIZABETH, US
[72] ROBAINA, NASTASJA U., US
[71] MAGIC LEAP, INC., US
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[54] **METHOD AND SYSTEM FOR VISUALLY ASSISTING AN OPERATOR OF AN ULTRASOUND SYSTEM**
[54] **PROCEDE ET SYSTEME D'ASSISTANCE VISUELLE A UN OPERATEUR D'UN SYSTEME A ULTRASONS**
[72] RICHARDSON, JEFF, CA
[72] WEN, JERROLD, CA
[72] WODLINGER, BRIAN C., CA
[71] EXACT IMAGING INC., CA
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[25] EN
[54] **METHODS FOR THE FILTRATION OF SMALL-VOLUME HETEROGENEOUS SUSPENSIONS IN A DIGITAL MICROFLUIDIC DEVICE**
[54] **PROCEDES DE FILTRATION DE SUSPENSIONS HETEROGENES DE FAIBLE VOLUME DANS UN DISPOSITIF MICROFLUIDIQUE NUMERIQUE**
[72] DIXON, CHRISTOPHER ALVIN, CA
[72] LAMANNA, JULIAN LUCAS, CA
[72] WHEELER, AARON RAY, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **A DEVICE, METHOD AND SYSTEM FOR AN UNMANNED AERIAL VEHICLE HEALTH CARE COMPANION**
[54] **DISPOSITIF, PROCEDE ET SYSTEME POUR UN COMPAGNON EN SOINS DE SANTE DOTE D'UN VEHICULE AERIEN SANS PILOTE**
[72] KINSLEY, ALLYSON, CA
[72] FRENCH, ROY, CA
[72] CORSIGLIA, JEFF, CA
[72] MCKEE, GRANT, CA
[72] KORRE, PAOLO, CA
[71] SAINT ELIZABETH HEALTH CARE, CA
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[54] **UPLINK TRANSMISSION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION EN LIAISON MONTANTE, DISPOSITIF DE TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **WIRELESS COMMUNICATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] YANG, NING, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **WAX RISK ASSESSMENT AND MITIGATION USING ADVANCED DATA ANALYTICS AND PIPE FLOW MODELING**
[54] **EVALUATION ET ATTENUATION DE RISQUE DE CIRE A L'AIDE D'UNE ANALYSE DE DONNEES AVANCEE ET D'UNE MODELISATION DE FLUX DE TUYAU**
[72] PATEL, NIMESHKUMAR KANTILAL, US
[72] BAGARIA, HITESH GHANSHYAM, US
[72] WANG, GUOLIANG, CN
[72] XIE, XIAOAN, CN
[72] ZHANG, XIAO, CN
[72] PENG, YUN, CN
[72] PENG, WENQING, CN
[72] ZHENG, SHENG, US
[72] MCDERMOTT, JOHN BRIAN, US
[72] PEREZ DIAZ, PETER LARRY, US
[71] GENERAL ELECTRIC COMPANY, US
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[54] **METHOD AND APPARATUS FOR SENDING VIRTUAL REALITY IMAGE**
[54] **PROCEDE ET APPAREIL D'ENVOI D'IMAGE DE REALITE VIRTUELLE**
[72] LUO, YI, CN
[72] ZHENG, FANGZHOU, CN
[72] XU, YU, CN
[72] QIU, WENYI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **INTER-COMMUNICATIONS-SYSTEM HANDOVER METHOD, DEVICE, AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE DEPLACEMENT ENTRE DES SYSTEMES DE COMMUNICATION**
[72] JIN, HUI, CN
[72] OUYANG, GUOWEI, CN
[72] YANG, HAORUI, CN
[72] DOU, FENGHUI, CN
[72] HE, YUE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **SYSTEM FOR GENERATING POWER USING ENERGY-STORAGE WATER PIPES OF MULTIPLE HIGH-RISE BUILDINGS**
[54] **SYSTEME D'UTILISATION DE TUYAUX D'EAU DE STOCKAGE D'ENERGIE DE PLUSIEURS BATIMENTS DE GRANDE HAUTEUR POUR PRODUIRE DE L'ELECTRICITE**
[72] GE, XINFENG, CN
[72] XU, XU, CN
[72] CHEN, HUINAN, CN
[72] ZANG, WEI, CN
[72] YAO, TINGTING, CN
[72] CHI, YUKAI, CN
[71] HOHAI UNIVERSITY, CN
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[54] **SYSTEM AND METHOD FOR ENDING VIEW CHANGE PROTOCOL**
[54] **SYSTEME ET PROCEDE DE FIN DE PROTOCOLE DE CHANGEMENT DE VUE**
[72] YANG, DAYI, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
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[54] **SOURCE D'AEROSOL POUR SYSTEME DE PRODUCTION DE VAPEUR**
[72] SIMPSON, ALEX, GB
[72] ANGELL, TERRY LEE, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
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[54] **SYSTEM AND METHODS FOR EVALUATING A FORMATION USING PIXELATED SOLUTIONS OF FORMATION DATA**
[54] **SYSTEME ET PROCEDES D'EVALUATION DE FORMATION AU MOYEN DE SOLUTIONS PIXELISEES DE DONNEES DE FORMATION**
[72] SONG, RENCHENG, SG
[72] PAN, LI, SG
[72] WU, HSU-HSIANG, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **POWER PLANT FOR GENERATING ELECTRICAL ENERGY AND METHOD FOR OPERATING A POWER PLANT**
[54] **CENTRALE ELECTRIQUE SERVANT A PRODUIRE UNE ENERGIE ELECTRIQUE ET PROCEDE SERVANT A FAIRE FONCTIONNER UNE CENTRALE ELECTRIQUE**
[72] ZWINKELS, ANDREW, DE
[71] LUMENION GMBH, DE
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[54] **MOYEN DE DETERMINATION QUANTITATIVE D'UNE CONCENTRATION DE SODIUM ET D'UNE CONCENTRATION DE CREATININE**
[72] HEINZ-ERIAN, PETER, AT
[72] FUHRMANN, GERDA LAURA, AT
[71] MEDIZINISCHE UNIVERSITAT INNSBRUCK, AT
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[54] **PLAQUE A GRILLE**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
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[54] **VEHICULE A CONTACT TACTILE INTELLIGENT**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
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[25] EN
[54] **HIGH-EFFICIENCY ENCAPSULATION OF HYDROPHILIC COMPOUNDS IN UNILAMELLAR LIPOSOMES**
[54] **ENCAPSULATION A HAUT RENDEMENT DE COMPOSES HYDROPHILES DANS DES LIPOSOMES UNILAMELLAIRES**
[72] PRZYBYLO, MAGDALENA, PL
[72] LANGNER, MAREK, PL
[72] BOROWIK, TOMASZ, PL
[71] LIPID SYSTEMS SP. Z.O.O., PL
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[25] FR
[54] **DEVICE FOR MECHANICALLY CHARACTERIZING AN ELEMENT OF INTEREST SUCH AS AN OOCYTE**
[54] **DISPOSITIF POUR LA CARACTERISATION MECANIQUE D'UN ELEMENT D'INTERET PAR EXEMPLE UN OVOCYTE**
[72] ABADIE, JOEL, FR
[72] GANA, RACHA, TN
[72] PIAT, EMMANUEL, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE DE FRANCHE-COMTE, FR
[71] ECOLE NATIONALE SUPERIEURE DE MECANIQUE ET DES MICROTECHNIQUES, FR
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[54] **DIABETES MANAGEMENT SYSTEMS, METHODS AND APPARATUS FOR USER REMINDERS, PATTERN RECOGNITION, AND INTERFACES**
[54] **SYSTEMES, PROCEDES ET APPAREIL DE GESTION DU DIABETE POUR RAPPELS D'UTILISATEUR, RECONNAISSANCE DE MOTIFS ET INTERFACES**
[72] GASS, JENNIFER L., US
[72] YAO, RAYMOND L., US
[72] MORIN, ROBERT W., US
[72] BOCK, LAUREN N., US
[72] MILENKOVIC, VLADISLAV, US
[72] REYNOLDS, JEFFERY S., US
[72] PRAIS, EUGENE, US
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH
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[54] **DERIVES ACRYLIQUES DE 1,4:3,6-DIANHYDROHEXITOL**
[72] BUFFE, CLOTHILDE, FR
[72] CORPART, JEAN-MARC, FR
[72] WIATZ, VINCENT, FR
[71] ROQUETTE FRERES, FR
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[25] EN
[54] **ELECTRIC FLUID HEATING SYSTEM AND METHOD OF USE THEREOF**
[54] **SYSTEME DE CHAUFFAGE DE FLUIDE ELECTRIQUE ET SON PROCEDE D'UTILISATION**
[72] BOWEN, DAVID, GB
[71] LOGICOR (R&D) LTD, GB
[85] 2019-09-19
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[87] (WO2018/172729)
[30] GB (1704497.5) 2017-03-22

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[25] EN
[54] **METHOD AND SYSTEM FOR OBTAINING ONE OR MORE OLEFINS**
[54] **PROCEDE ET SYSTEME POUR OBTENIR UNE OU PLUSIEURS OLEFINES**
[72] FRITZ, HELMUT, DE
[72] ERNST, CHRISTIAN, DE
[72] SINN, TOBIAS, DE
[71] LINDE AKTIENGESELLSCHAFT, DE
[85] 2019-09-19
[86] 2018-04-06 (PCT/EP2018/058903)
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[51] **Int.Cl. G01N 21/552 (2014.01) G01N 21/25 (2006.01) G01N 21/35 (2014.01)**
[25] EN
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[54] **SYSTEME DE SPECTROSCOPIE INFRAROUGE**
[72] BAKER, MATTHEW J., GB
[72] HEGARTY, MARK, GB
[72] BUTLER, HOLLY JEAN, GB
[72] PALMER, DAVID, GB
[71] UNIVERSITY OF STRATHCLYDE, GB
[85] 2019-09-19
[86] 2018-03-28 (PCT/GB2018/050821)
[87] (WO2018/178669)
[30] GB (1705221.8) 2017-03-31
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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 47/09 (2012.01)**
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[54] **ENSEMBLE VANNE DE FOND DE TROU**
[72] KNIGHT, MATTHEW DAVID, GB
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2019-09-19
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[25] EN
[54] **MULTI-COMPONENT MORTAR SYSTEM IN A MIXING BAG**
[54] **SYSTEME DE MORTIER A COMPOSANTS MULTIPLES DANS UN SAC DE MELANGE**
[72] CADER, MOHAMED, US
[72] LANNEVERE, CAMILLE, US
[72] LIARD, MAXIME, CH
[72] LOOTENS, DIDIER, CH
[71] SIKA TECHNOLOGY AG, CH
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[54] **EXPRESSION AND LARGE-SCALE PRODUCTION OF PEPTIDES**
[54] **EXPRESSION ET PRODUCTION A GRANDE ECHELLE DE PEPTIDES**
[72] GUPTA, SUDHARTI, IN
[72] SALUNKHE, SHARDUL SUMANTRAO, IN
[72] VARSHNEY, BRAJESH, IN
[72] MODY, RUSTOM SORAB, IN
[71] LUPIN LIMITED, IN
[85] 2019-09-19
[86] 2018-03-20 (PCT/IB2018/051842)
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[25] EN
[54] **WASTE TREATMENT UNIT**
[54] **EQUIPEMENT DE TRAITEMENT DE RESIDUS**
[72] SANTOS FUERTES, JOSE SANTIAGO, ES
[71] AF INGENIERIA, S.L., ES
[85] 2019-09-19
[86] 2018-03-08 (PCT/ES2018/070174)
[87] (WO2018/172577)
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[25] EN
[54] **PHARMACEUTICAL FORMULATION OF CROTONYLAMINOPYRIDINE SALT**
[54] **FORMULATION PHARMACEUTIQUE DE SEL DE CROTONYLAMINOPYRIDINE**
[72] BERGER, MICHAEL, DE
[72] NIEDERMANN, HANS PETER, DE
[72] KNELL, MARCUS, DE
[72] LEHAY, ANNE, FR
[72] DUVAL, ANGELIQUE, FR
[72] MORER, ANNE-LAURE, FR
[72] ALTEHELD, SUSI, DE
[71] INTERVET INTERNATIONAL B.V., NL
[85] 2019-09-19
[86] 2018-03-30 (PCT/EP2018/058315)
[87] (WO2018/178345)
[30] EP (17164259.8) 2017-03-31

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[51] **Int.Cl. A01G 31/02 (2006.01)**
[25] EN
[54] **AUTOMATIC SYSTEM FOR CONTROL AND MANAGEMENT OF HYDROPONIC AND AEROPONIC CULTIVATION**
[54] **SYSTEME AUTOMATIQUE DE COMMANDE ET DE GESTION DE CULTURE HYDROPONIQUE ET AEROPONIQUE**
[72] CASELLI, GIULIO, IT
[72] CERVONE, CHRISTIAN, IT
[72] CARBONE, MASSIMILIANO, IT
[72] TEODORI, JACOPO, IT
[72] FERRIGNI, ARES, IT
[71] WALLFARM SRL, IT
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[25] EN
[54] **CABLE BUNDLE BINDER**
[54] **DISPOSITIF DE FRETTAGE DE FAISCEAUX DE CABLES**
[72] FRANCISCO ANTONIO, SANCHEZ DE LILLO, ES
[72] FUNCHEIRA, DIEGO, ES
[71] FRANCISCO ANTONIO, SANCHEZ DE LILLO, ES
[71] FUNCHEIRA, DIEGO, ES
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[25] EN
[54] **AN AEROSOL DELIVERY DEVICE AND A RELATED METHOD**
[54] **DISPOSITIF DE DISTRIBUTION D'AEROSOL ET PROCEDE ASSOCIE**
[72] SPARKLIN, ERIC M., US
[72] HUBBARD, SAWYER A., US
[72] TALUSKIE, KAREN V., US
[72] SEARS, STEPHEN BENSON, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2019-09-19
[86] 2018-03-21 (PCT/IB2018/051907)
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[25] EN
[54] **GRINDING MILL, PULP LIFTER AND OUTER PULP LIFTER ELEMENT**
[54] **BROYEUR, DISPOSITIF DE LEVAGE DE PATE ET ELEMENT DE LEVAGE DE PATE EXTERNE**
[72] HEATH, ALEX, AU
[72] PAZ, ANDRES, AU
[72] DEL BIANCO, ADAM, AU
[72] EID, TAMER, AU
[71] OUTOTEC (FINLAND) OY, FI
[85] 2019-09-19
[86] 2017-03-20 (PCT/FI2017/050191)
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[51] **Int.Cl. C01B 32/23 (2017.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF GRAPHENE OXIDE FROM KISH GRAPHITE**
[54] **PROCEDE DE FABRICATION D'OXYDE DE GRAPHENE A PARTIR DE GRAPHITE PRIMAIRE**
[72] VU, THI TAN, ES
[72] CABANAS CORRALES, MARIA, ES
[72] ALVAREZ-ALVAREZ, ABEL, ES
[71] ARCELORMITTAL, LU
[85] 2019-09-19
[86] 2018-03-26 (PCT/IB2018/052038)
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[30] IB (PCT/IB2017/000350) 2017-03-31

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[25] EN
[54] **DEVICE AND METHOD FOR REMOVING A LAYER FROM A SUBSTRATE**
[54] **DISPOSITIF ET PROCEDE POUR ENLEVER UNE COUCHE D'UN SUBSTRAT**
[72] SENINCK, NATHALIE, FR
[71] SENINCK, NATHALIE, FR
[85] 2019-09-19
[86] 2018-03-27 (PCT/IB2018/052068)
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[30] DE (10 2017 106 724.8) 2017-03-29

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[25] EN
[54] **NEW COMPOUNDS INHIBITORS OF THE YAP/TAZ-TEAD INTERACTION AND THEIR USE IN THE TREATMENT OF MALIGNANT MESOTHELIOMA**
[54] **NOUVEAUX COMPOSES INHIBITEURS DE L'INTERACTION YAP/TAZ-TEAD ET LEUR UTILISATION DANS LE TRAITEMENT DU MESOTHELIOME MALIN**
[72] CONTAL, SYLVIE, FR
[72] SOUDE, ANNE, FR
[72] MASSARDIER, CHRISTINE, FR
[72] MONTALBETTI, CHRISTIAN, FR
[72] JUNIEN, JEAN-LOUIS, FR
[72] CONTAL, SYLVIE, FR
[72] BARTH, MARTINE, FR
[71] INVENTIVA, FR
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[51] **Int.Cl. F25J 1/00 (2006.01) E04H 5/02 (2006.01)**
[25] EN
[54] **MODULE FOR NATURAL GAS LIQUEFIER DEVICE, AND NATURAL GAS LIQUEFIER DEVICE**
[54] **MODULE POUR DISPOSITIF DE LIQUEFACTION DE GAZ NATUREL, ET DISPOSITIF DE LIQUEFACTION DE GAZ NATUREL**
[72] ARAI, YOJI, JP
[72] KAGAWA, MOTOBUMI, JP
[72] TANABE, MASAYUKI, JP
[72] NOZATO, TAKASHI, JP
[71] JGC CORPORATION, JP
[85] 2019-09-19
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[54] **LINING DRUM**
[54] **TAMBOUR A GARNITURE**
[72] LOKKINEN, MIKA, EE
[71] PICOTE SOLUTIONS OY LTD, FI
[85] 2019-09-19
[86] 2018-03-29 (PCT/IB2018/052168)
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[51] **Int.Cl. B22F 1/00 (2006.01) B22F 3/02 (2006.01) B22F 3/10 (2006.01) C22C 1/05 (2006.01) C22C 33/02 (2006.01)**
[25] EN
[54] **METAL MEMBER AND MANUFACTURING METHOD THEREOF**
[54] **ELEMENT METALLIQUE ET SON PROCEDE DE FABRICATION**
[72] SUZUKI, KENJI, JP
[72] HANAMI, KAZUKI, JP
[72] HANADA, TADAYUKI, JP
[72] KITAGAKI, HISASHI, JP
[72] TERAUCHI, SHUNTARO, JP
[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP
[85] 2019-09-19
[86] 2018-01-10 (PCT/JP2018/000273)
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[30] JP (2017-085858) 2017-04-25

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[25] EN
[54] **IMPROVED T CELL COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS DE LYMPHOCYTES T AMELIORES ET PROCEDES**
[72] CHAPARRO RIGGERS, JAVIER FERNANDO, US
[72] VAN BLARCOM, THOMAS JOHN, US
[72] BOLDAJIPOUR, BIJAN ANDRE, US
[71] ALLOGENE THERAPEUTICS, INC., US
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[51] **Int.Cl. A61C 8/00 (2006.01)**
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[54] **IMPROVED DENTAL IMPLANT SYSTEM**
[54] **SYSTEME D'IMPLANT DENTAIRE AMELIORE**
[72] FROMOVICH, OPHIR, IL
[71] STRAUMANN HOLDING AG, CH
[85] 2019-09-19
[86] 2018-05-02 (PCT/IB2018/053035)
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[30] EP (17169130.6) 2017-05-02

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[51] **Int.Cl. G02B 6/245 (2006.01) G02B 6/44 (2006.01) H02G 1/12 (2006.01)**
[25] EN
[54] **JACKET REMOVAL TOOL FOR OPTICAL CABLE AND METHOD FOR REMOVING JACKET OF OPTICAL CABLE**
[54] **OUTIL DE RETRAIT DE GAINE DESTINE A UN CABLE OPTIQUE ET PROCEDE DE RETRAIT DE GAINE DE CABLE OPTIQUE**
[72] KOBAYASHI, TERUTAKE, JP
[72] MOMOTSU, NORIHIRO, JP
[71] FUJIKURA LTD., JP
[85] 2019-09-19
[86] 2018-01-12 (PCT/JP2018/000690)
[87] (WO2018/173430)
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[51] **Int.Cl. A61F 9/008 (2006.01) A61B 18/22 (2006.01)**
[25] EN
[54] **LASER PROBE WITH LENSED FIBERS FOR PANRETINAL PHOTOCOAGULATION**
[54] **SONDE LASER A FIBRES POURVUES DE LENTILLES DESTINEE A LA PHOTOCOAGULATION PANRETINIENNE**
[72] DIAO, CHENGUANG, US
[72] FARLEY, MARK HARRISON, US
[72] MIRSEPASSI, ALIREZA, US
[72] PARTO, KAMBIZ, US
[72] RICHARDSON, DEAN, US
[72] SMITH, RONALD, US
[71] NOVARTIS AG, CH
[85] 2019-09-19
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[30] US (62/507,034) 2017-05-16

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[25] EN
[54] **POROUS MEMBRANE FOR MEMBRANE DISTILLATION, AND METHOD FOR OPERATING MEMBRANE DISTILLATION MODULE**
[54] **MEMBRANE POREUSE POUR DISTILLATION A MEMBRANES, ET PROCEDE D'EXPLOITATION DE MODULE DE DISTILLATION A MEMBRANES**
[72] HASHIMOTO, TOMOTAKA, JP
[72] ARAI, HIROYUKI, JP
[72] NAGATA, KAZUTO, JP
[72] KUBOTA, NOBORU, JP
[72] TAKEZAWA, HIROKI, JP
[72] OTOYO, TAKEHIKO, JP
[71] ASAHI KASEI KABUSHIKI KAISHA, JP
[85] 2019-09-19
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[30] JP (2017-060155) 2017-03-24
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[30] JP (2017-071569) 2017-03-31
[30] JP (2017-071644) 2017-03-31
[30] JP (2017-071589) 2017-03-31
[30] JP (2017-071574) 2017-03-31
[30] JP (2017-071633) 2017-03-31
[30] JP (2017-102946) 2017-05-24
[30] JP (2017-102953) 2017-05-24
[30] JP (2017-102952) 2017-05-24
[30] JP (2017-102943) 2017-05-24
[30] JP (2017-102965) 2017-05-24
[30] JP (2017-102927) 2017-05-24
[30] JP (2017-102973) 2017-05-24

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[51] **Int.Cl. B64D 19/02 (2006.01) G05D 1/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DECELERATING AND REDIRECTING AN AIRBORNE PLATFORM**
[54] **PROCEDE ET SYSTEME DE DECELERATION ET DE REDIRECTION D'UNE PLATEFORME AEROPORTEE**
[72] TSALIAH, AMIR, IL
[71] PARAZERO LTD., IL
[85] 2019-09-19
[86] 2018-03-15 (PCT/IL2018/050303)
[87] (WO2018/173040)
[30] IL (251342) 2017-03-22

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR CANCER TREATMENT**
[54] **COMPOSITION MEDICINALE POUR LE TRAITEMENT DU CANCER**
[72] YOSHIDA, TETSUYA, JP
[72] KIDANI, YUJIRO, JP
[72] MATSUMOTO, MITSUNOBU, JP
[72] KANAZAWA, TAKAYUKI, JP
[72] SHINONOME, SATOMI, JP
[72] HOJO, KANJI, JP
[72] OHKURA, NAGANARI, JP
[72] SAKAGUCHI, SHIMON, JP
[72] TANAKA, ATSUSHI, JP
[72] WADA, HISASHI, JP
[72] KAWASHIMA, ATSUNARI, JP
[72] NONOMURA, NORIO, JP
[71] SHIONOGI & CO., LTD., JP
[71] OSAKA UNIVERSITY, JP
[85] 2019-09-19
[86] 2018-03-28 (PCT/JP2018/012644)
[87] (WO2018/181425)
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[51] **Int.Cl. A61K 31/7076 (2006.01) A61K 9/00 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR PREVENTING AND TREATING GLAUCOMA, CONTAINING ADENOSINE DERIVATIVE**
[54] **COMPOSITION PHARMACEUTIQUE POUR LA PREVENTION ET LE TRAITEMENT DU GLAUCOME, CONTENANT UN DERIVE D'ADENOSINE**
[72] LEE, SANG KOO, KR
[72] PARK, CHONG WOO, KR
[72] KIM, HEA OK, KR
[72] LEE, HEE WOO, KR
[72] YU, MI RA, KR
[71] FUTURE MEDICINE CO., LTD., KR
[85] 2019-09-19
[86] 2018-03-21 (PCT/KR2018/003274)
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01) A61K 39/39 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **ANTI-CEACAM1 ANTIBODY AND USE THEREOF**
[54] **ANTICORPS ANTI-CEACAM1 ET SON UTILISATION**
[72] EUN, SO-YOUNG, KR
[72] OH, MIYOUNG, KR
[72] PARK, HYE-YOUNG, KR
[72] LEE, MIJUNG, KR
[72] YOON, AERIN, KR
[72] YUM, HYE IN, KR
[72] NAM, HYEMI, KR
[72] LEE, EUNHEE, KR
[72] WON, JONGWHA, KR
[71] MOGAM INSTITUTE FOR BIOMEDICAL RESEARCH, KR
[71] GREEN CROSS CORPORATION, KR
[85] 2019-09-19
[86] 2018-03-23 (PCT/KR2018/003419)
[87] (WO2018/174629)
[30] KR (10-2017-0037613) 2017-03-24
[30] KR (10-2017-0162785) 2017-11-30

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[51] **Int.Cl. H04W 16/26 (2009.01) H04W 16/28 (2009.01) H04W 84/06 (2009.01) H04B 7/06 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONALIZATION OF FIFTH GENERATION COMMUNICATION**
[54] **MISE EN TROIS DIMENSIONS D'UNE COMMUNICATION DE CINQUIEME GENERATION**
[72] MIYAKAWA, JUNICHI, JP
[72] KIMURA, KIYOSHI, JP
[71] SOFTBANK CORP., JP
[85] 2019-09-19
[86] 2018-03-17 (PCT/JP2018/010663)
[87] (WO2018/173983)
[30] JP (2017-054957) 2017-03-21

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[51] **Int.Cl. C03B 7/08 (2006.01) C03B 7/14 (2006.01)**
[25] EN
[54] **GOB DISTRIBUTOR FOR A MACHINE FOR FORMING GLASS ARTICLES**
[54] **DISTRIBUTEUR DE GOUTTES POUR UNE MACHINE A FORMER DES ARTICLES EN VERRE**
[72] TIJERINA RAMOS, VICTOR, MX
[71] VITRO, S.A.B. DE C.V., MX
[85] 2019-09-19
[86] 2017-08-02 (PCT/MX2017/000087)
[87] (WO2018/174702)
[30] AR (20170100725) 2017-03-23

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[51] **Int.Cl. H04W 36/06 (2009.01) H04W 16/28 (2009.01) H04W 24/10 (2009.01) H04W 28/04 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **TERMINAL APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT**
[54] **DISPOSITIF TERMINAL, PROCEDE DE COMMUNICATION ET CIRCUIT INTEGRE**
[72] TAKAHASHI, HIROKI, JP
[72] YAMADA, SHOHEI, JP
[72] TSUBOI, HIDEKAZU, JP
[72] YOKOMAKURA, KAZUNARI, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2019-09-19
[86] 2018-03-23 (PCT/JP2018/011760)
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[30] JP (2017-057404) 2017-03-23

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[51] **Int.Cl. C07D 471/14 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT FOR PHOSPHODIESTERASE INHIBITION AND ITS RELATED DISORDERS**
[54] **AGENT THERAPEUTIQUE POUR L'INHIBITION DE LA PHOSPHODIESTERASE ET SES TROUBLES APPARENTES**
[72] DESHPANDE, SUPREET K., IN
[72] KULKARNI, SUDHIR A., IN
[72] ASLEKAR, ATUL S., IN
[71] NOVALEAD PHARMA INC., US
[85] 2019-09-19
[86] 2018-03-14 (PCT/IN2018/050140)
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[30] IN (201721009758) 2017-03-21

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[51] **Int.Cl. D03D 27/08 (2006.01) A47K 10/02 (2006.01) D03D 15/00 (2006.01)**
[25] EN
[54] **TERRY TOWELS COMPRISING CORE SPUN YARNS AND ASSOCIATED METHODS FOR MANUFACTURE**
[54] **SERVIETTES EPONGE COMPRENANT DES FILS A AME ET PROCEDES ASSOCIES DE FABRICATION**
[72] MITTAL, KHUSHBOO, US
[72] KANDHASAMY, MOHAN MEIYAPPAN, US
[71] SYSCO GUEST SUPPLY, LLC, US
[85] 2019-09-19
[86] 2017-03-27 (PCT/US2017/024311)
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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/24 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE PURIFICATION OF RECOMBINANT ANTIBODY FRAGMENTS**
[54] **PROCEDE DE PURIFICATION DE FRAGMENTS D'ANTICORPS RECOMBINANTS**
[72] BHAMBURE, RAHUL SHARAD, IN
[72] GANI, KAYANAT MAHAMMADTAKI, IN
[71] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, IN
[85] 2019-09-19
[86] 2018-03-23 (PCT/IN2018/050164)
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[30] IN (201711010410) 2017-03-24

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[51] **Int.Cl. C03B 9/447 (2006.01)**
[25] EN
[54] **TAKEOUT MECHANISM FOR MACHINES FOR FORMING GLASS OBJECTS**
[54] **MECANISME D'EXTRACTION POUR MACHINES DE FORMAGE D'ARTICLES EN VERRE**
[72] TIJERINA RAMOS, VICTOR, MX
[72] HERNANDEZ CHAVEZ, LUIS MARTIN, MX
[71] VITRO, S.A.B. DE C.V., MX
[85] 2019-09-19
[86] 2017-08-02 (PCT/MX2017/000089)
[87] (WO2018/174704)
[30] AR (20170100724) 2017-03-23

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[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/00 (2006.01)**
[25] EN
[54] **INTERVENTIONLESS PRESSURE OPERATED SLIDING SLEEVE WITH BACKUP OPERATION WITH INTERVENTION**
[54] **MANCHON BALADEUR ACTIONNE PAR PRESSION SANS INTERVENTION AVEC FONCTIONNEMENT DE SECOURS AVEC INTERVENTION**
[72] WAKEFIELD, JOHN K., US
[72] KENDALL, ALEXANDER, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-09-19
[86] 2018-02-08 (PCT/US2018/017446)
[87] (WO2018/148426)
[30] US (15/428,747) 2017-02-09

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[51] **Int.Cl. A01K 67/027 (2006.01) C07K 14/705 (2006.01) C07K 14/775 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **A GENETICALLY MODIFIED MOUSE EXPRESSING HUMAN APOE4 AND MOUSE TREM2 P.R47H AND METHODS OF USE THEREOF**
[54] **SOURIS GENETIQUEMENT MODIFIEE EXPRIMANT APOE4 HUMAINE ET TREM2 P.R47H ET PROCEDES D'UTILISATION ASSOCIES**
[72] HOWELL, GARETH, US
[72] SASNER, MICHAEL, US
[72] CARTER, GREGORY, US
[72] LAMB, BRUCE, US
[71] THE JACKSON LABORATORY, US
[71] INDIANA UNIVERSITY RESEARCH AND TECHNOLOGY CORPORATION, US
[85] 2019-09-19
[86] 2018-03-21 (PCT/US2018/023565)
[87] (WO2018/175581)
[30] US (62/474,358) 2017-03-21

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[51] **Int.Cl. A47J 36/02 (2006.01) A47J 37/06 (2006.01) A47J 37/10 (2006.01)**
[25] EN
[54] **A COOKING PAN AND INSERT**
[54] **RECIPIENT DE CUISSON ET INSERT**
[72] SKEGGS, JEREMY FRANCIS, NZ
[71] U DESIGN LIMITED, NZ
[85] 2019-09-19
[86] 2018-03-16 (PCT/NZ2018/050031)
[87] (WO2018/174727)
[30] NZ (730260) 2017-03-20

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[51] **Int.Cl. G05B 23/02 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **PREDICTIVE INTEGRITY ANALYSIS**
[54] **ANALYSE D'INTEGRITE PREDICTIVE**
[72] SUTHERLAND, JEFFREY EARLE, CA
[71] GENERAL ELECTRONIC COMPANY, US
[85] 2019-09-19
[86] 2018-02-08 (PCT/US2018/017404)
[87] (WO2018/175007)
[30] US (62/474,460) 2017-03-21
[30] US (15/870,304) 2018-01-12

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[51] **Int.Cl. A61K 47/54 (2017.01) A61K 9/00 (2006.01) A61K 47/42 (2017.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **MODIFIED OLIGONUCLEOTIDES AND THERAPEUTIC USES THEREOF**
[54] **OLIGONUCLEOTIDES MODIFIES ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] ROLOFF, ALEXANDER, US
[72] GIANNESCHI, NATHAN C., US
[72] CALLMANN, CASSANDRA E., US
[72] THOMPSPN, MATTHEW P., US
[72] BERTIN, PAUL A., US
[72] NAM, JEONG-BUM, KR
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] VYBYL HOLDINGS, INC., US
[85] 2019-09-19
[86] 2018-03-21 (PCT/US2018/023578)
[87] (WO2018/175592)
[30] US (62/475,185) 2017-03-22

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[51] **Int.Cl. B01D 15/00 (2006.01) B01J 20/10 (2006.01)**
[25] EN
[54] **PURIFICATION OF CRUDE POLYALKYLENE OXIDE POLYMERS WITH ACID FUNCTIONALIZED SILICAS AND METAL SILICATES**
[54] **PURIFICATION DE POLYMERES D'OXYDE DE POLYALKYLENE BRUTS AVEC DES SILICES FONCTIONNALISEES PAR UN ACIDE ET DES SILICATES METALLIQUES**
[72] BAGREEV, ANDREY, US
[72] HICKS, GEORGE E., US
[71] THE DALLAS GROUP OF AMERICA, INC., US
[85] 2019-09-19
[86] 2018-03-13 (PCT/US2018/022165)
[87] (WO2018/175147)
[30] US (62/475,458) 2017-03-23
[30] US (62/557,370) 2017-09-12

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[51] **Int.Cl. B32B 5/20 (2006.01) B32B 37/24 (2006.01) B32B 38/00 (2006.01) C08G 18/08 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING ISOCYANATE-BASED FOAM CONSTRUCTION BOARDS**
[54] **PROCEDE DE PRODUCTION DE PANNEAUX DE CONSTRUCTION EN MOUSSE A BASE D'ISOCYANATE**
[72] LETTS, JOHN B., US
[72] YAO, CHUNHUA, US
[72] HUBBARD, MICHAEL J., US
[71] FIRESTONE BUILDING PRODUCTS COMPANY, LLC, US
[85] 2019-09-19
[86] 2018-03-19 (PCT/US2018/023134)
[87] (WO2018/175316)
[30] US (62/473,752) 2017-03-20
[30] US (62/473,725) 2017-03-20

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[25] EN
[54] **PHENOTYPIC CHARACTERIZATION OF CELLS**
[54] **CARACTERISATION PHENOTYPIQUE DE CELLULES**
[72] ELF, JOHAN, SE
[72] READ, MICHAEL, SE
[72] BALTEKIN, OZDEN, SE
[72] LOVMAR, MARTIN, SE
[72] HAMMAR, PETTER, SE
[72] AMSELEM, ELIAS, SE
[72] OLSSON, MIKAEL, SE
[72] OHMAN, OVE, SE
[71] ASTREGO DIAGNOSTICS AB, SE
[85] 2019-09-19
[86] 2018-03-19 (PCT/SE2018/050266)
[87] (WO2018/174784)
[30] SE (1750341-8) 2017-03-22

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[51] **Int.Cl. C12N 15/82 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A01N 63/02 (2006.01) A01P 7/04 (2006.01) C07K 14/325 (2006.01) C07K 14/435 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/31 (2006.01) C12N 15/32 (2006.01) C12N 15/63 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SYNTAXIN 7 NUCLEIC ACID MOLECULES TO CONTROL COLEOPTERAN AND HEMIPTERAN PESTS**
[54] **MOLECULES D'ACIDE NUCLEIQUE DE LA SYNTAXINE 7 DESTINEES A LUTTER CONTRE LES COLEOPTERES ET HEMIPTERES RAVAGEURS**
[72] NARVA, KENNETH E., US
[72] GENG, CHAOXIAN, US
[72] RANGASAMY, MURUGESAN, US
[72] FISHILEVICH, ELANE, US
[72] FREY, MEGHAN, US
[72] GANDRA, PREMCHAND, US
[72] VILCINSKAS, ANDREAS, DE
[72] YOUNG, CATHERINE D., US
[72] BALACHANDRAN, ABHILASH, US
[72] KNORR, EILEEN, DE
[72] LO, WENDY, US
[71] DOW AGROSCIENCES LLC, US
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023264)
[87] (WO2018/175382)
[30] US (62/474,504) 2017-03-21

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[13] A1
[51] **Int.Cl. A01N 43/36 (2006.01) C07D 207/277 (2006.01)**
[25] EN
[54] **PYRROLIDINONES AND A PROCESS TO PREPARE THEM**
[54] **PYRROLIDINONES ET PROCEDE POUR LES PREPARER**
[72] CHEN, YUZHONG, US
[71] FMC CORPORATION, US
[85] 2019-09-19
[86] 2018-03-16 (PCT/US2018/022835)
[87] (WO2018/175226)
[30] US (62/474,206) 2017-03-21

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[51] **Int.Cl. G01N 27/02 (2006.01) C02F 1/467 (2006.01) C02F 1/76 (2006.01) E04H 4/16 (2006.01) G01N 27/06 (2006.01) G01N 27/07 (2006.01) G01N 27/08 (2006.01) G01N 27/10 (2006.01) G01N 27/49 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SANITIZING POOL AND SPA WATER**
[54] **SYSTEMES ET PROCEDES DE DESINFECTION D'EAU DE PISCINE ET D'EAU D'ETABLISSEMENT THERMAL**
[72] DENKEWICZ, RAYMOND P JR., US
[72] JOHNSON, ARTHUR W. III, US
[72] MURDOCK, JAMES, US
[72] CARTER, JAMES, US
[71] HAYWARD INDUSTRIES, INC., US
[85] 2019-09-19
[86] 2018-03-21 (PCT/US2018/023514)
[87] (WO2018/175549)
[30] US (62/474,333) 2017-03-21

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[51] **Int.Cl. B60P 3/34 (2006.01) B60P 3/335 (2006.01) B60P 3/42 (2006.01) B62D 63/06 (2006.01) B62D 65/00 (2006.01)**
[25] EN
[54] **FOLD-OUT TRANSPORTABLE PARTIAL OR COMPLETE ENCLOSURE**
[54] **ENCEINTE PARTIELLE OU COMPLETE, TRANSPORTABLE ET REPLIABLE**
[72] VANDERGON, CEDAR, US
[72] FLEISCHHANCKER, KEVIN, US
[72] DAVIDSON, SCOTT, US
[72] CRADIT, TODD, US
[72] BARTELT, JON, US
[72] MCGREGOR, SHAWN, US
[72] MCGREGOR, KEVIN, US
[72] KOEHLER, STEVEN M., US
[72] BRAUN, BENJAMIN, US
[72] FRANTA, MATTHEW, US
[71] AWOL OUTDOORS, INC., US
[85] 2019-09-19
[86] 2017-03-20 (PCT/US2017/023251)
[87] (WO2017/165314)
[30] US (62/310,727) 2016-03-20
[30] US (62/373,124) 2016-08-10
[30] US (62/429,075) 2016-12-02

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[51] **Int.Cl. A01N 43/40 (2006.01) A01N 43/36 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURE, COMPOSITION AND METHOD**
[54] **MELANGE HERBICIDE, COMPOSITION ET PROCEDE**
[72] PURI, ATUL, US
[71] FMC CORPORATION, US
[85] 2019-09-19
[86] 2018-03-16 (PCT/US2018/022849)
[87] (WO2018/175231)
[30] US (62/474,215) 2017-03-21
[30] US (62/572,057) 2017-10-13

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[13] A1
[51] **Int.Cl. F16L 21/00 (2006.01) F16L 21/04 (2006.01) F16L 21/08 (2006.01) F16L 25/04 (2006.01) F16L 25/10 (2006.01) F16L 25/14 (2006.01)**
[25] EN
[54] **JOINT RESTRAINT DEVICE**
[54] **DISPOSITIF DE RETENUE DE JOINT**
[72] FURCOIU, AURELIAN IOAN, US
[71] MUELLER INTERNATIONAL, LLC, US
[85] 2019-09-19
[86] 2018-03-21 (PCT/US2018/023554)
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[30] US (15/490,926) 2017-04-19

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[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/98 (2006.01) A61K 38/48 (2006.01) C07K 14/33 (2006.01) C12N 9/52 (2006.01)**
[25] EN
[54] **BOTULINUM NEUROTOXINS FOR USE IN THERAPY**
[54] **NEUROTOXINES BOTULIQUES POUR UTILISATION EN THERAPIE**
[72] ABUSHAKRA, SAWSAN, US
[72] AHMAD, WAJDIE, US
[72] HASAN, FAUAD, US
[72] JARPE, MICHAEL, US
[71] BONTI, INC., US
[85] 2019-09-19
[86] 2018-03-22 (PCT/US2018/023709)
[87] (WO2018/175688)
[30] US (62/474,744) 2017-03-22
[30] US (62/474,749) 2017-03-22
[30] US (62/508,215) 2017-05-18

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[13] A1
[51] **Int.Cl. F16K 1/42 (2006.01) F16K 1/46 (2006.01) G05D 16/00 (2006.01)**
[25] EN
[54] **VALVE PLUG ASSEMBLY AND SEAT RING FOR REGULATOR**
[54] **ENSEMBLE OPERCULE DE SOUPAPE ET BAGUE DE SIEGE POUR REGULATEUR**
[72] LIN, CHUN, US
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
[85] 2019-09-19
[86] 2018-03-16 (PCT/US2018/022868)
[87] (WO2018/175236)
[30] US (15/469,305) 2017-03-24

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[13] A1
[51] **Int.Cl. A61K 38/48 (2006.01) A61K 9/00 (2006.01) A61K 38/00 (2006.01) A61K 38/16 (2006.01) A61K 38/43 (2006.01)**
[25] EN
[54] **BOTULINUM NEUROTOXINS FOR TREATING TRAUMATIC INJURIES**
[54] **NEUROTOXINES DE BOTULINUM POUR LE TRAITEMENT DE LESIONS TRAUMATIQUES**
[72] ABUSHAKRA, SAWSAN, US
[72] AHMAD, WAJDIE, US
[72] HASAN, FAUAD, US
[72] JARPE, MICHAEL, US
[71] BONTI, INC., US
[85] 2019-09-19
[86] 2018-03-22 (PCT/US2018/023719)
[87] (WO2018/175696)
[30] US (62/474,755) 2017-03-22
[30] US (62/508,215) 2017-05-18
[30] US (62/516,242) 2017-06-07

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[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **OPTICAL CABLE WITH CHANNEL STRUCTURE**
[54] **CABLE OPTIQUE A STRUCTURE DE CANAL**
[72] KMIEC, CHESTER J., US
[72] ESSEGHIR, MOHAMED, US
[72] HUANG, WENYI, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2019-09-19
[86] 2018-03-16 (PCT/US2018/022946)
[87] (WO2018/175253)
[30] US (62/474,864) 2017-03-22

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **BIOMARKERS AND CAR T CELL THERAPIES WITH ENHANCED EFFICACY**
[54] **BIOMARQUEURS ET TRAITEMENTS A BASE DE CELLULES CAR-T AYANT UNE EFFICACITE ACCRUE**
[72] FRAIETTA, JOSEPH A., US
[72] MELENHORST, JAN J., US
[71] NOVARTIS AG, CH
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2019-09-19
[86] 2018-03-22 (PCT/US2018/023785)
[87] (WO2018/175733)
[30] US (62/474,991) 2017-03-22
[30] US (62/621,356) 2018-01-24

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[51] **Int.Cl. G06K 7/14 (2006.01) G06K 9/46 (2006.01) G06K 9/58 (2006.01)**
[25] EN
[54] **A TWO DIMENSIONAL BARCODE WITH DYNAMIC ENVIRONMENTAL DATA SYSTEM, METHOD, AND APPARATUS**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR CODE A BARRES BIDIMENSIONNEL A DONNEES ENVIRONNEMENTALES DYNAMIQUES**
[72] PRUSIK, THADDEUS, US
[72] ABDO, MOHANNAD, US
[72] HOHBERGER, CLIVE, US
[71] TEMPTIME CORPORATION, US
[85] 2019-09-19
[86] 2018-03-19 (PCT/US2018/023068)
[87] (WO2018/175281)
[30] US (15/464,207) 2017-03-20

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[13] A1
[51] **Int.Cl. C08J 9/00 (2006.01) B32B 5/18 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **METHOD AND FORMULATION FOR RENEWABLE POLYETHYLENE FOAMS**
[54] **PROCEDE ET FORMULATION POUR MOUSSES DE POLYETHYLENE RENOUVELABLE**
[72] RAMESH, NATARAJAN, US
[72] YAPP, CHEE, US
[72] SMITH, LEWIS, US
[71] SEALED AIR CORPORATION (US), US
[85] 2019-09-19
[86] 2018-01-08 (PCT/US2018/012771)
[87] (WO2018/174988)
[30] US (62/474,680) 2017-03-22

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS INCLUDING AN AUTO-SHUTTLE SYSTEM**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS COMPRENANT UN SYSTEME D'AUTO-NAVETTE**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] HINCHEY, VICTORIA, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY, INC., US
[85] 2019-09-19
[86] 2018-03-19 (PCT/US2018/023093)
[87] (WO2018/175294)
[30] US (62/473,843) 2017-03-20

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[13] A1
[51] **Int.Cl. B01D 53/24 (2006.01) B01D 45/12 (2006.01) B01D 45/16 (2006.01) C23C 14/24 (2006.01)**
[25] EN
[54] **CENTRIFUGAL EVAPORATION SOURCES**
[54] **SOURCES D'EVAPORATION CENTRIFUGE**
[72] HANKET, GREGORY, US
[71] UNIVERSITY OF DELAWARE, US
[85] 2019-09-19
[86] 2018-03-22 (PCT/US2018/023813)
[87] (WO2018/175753)
[30] US (62/475,000) 2017-03-22

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[13] A1
[51] **Int.Cl. G03G 9/087 (2006.01) G03G 9/09 (2006.01) G03G 9/097 (2006.01)**
[25] EN
[54] **AMES NEGATIVE SUBLIMATION TONER**
[54] **TONER DE SUBLIMATION NEGATIF AU TEST D'AMES**
[72] TREMITIERE, TONYA, US
[72] CUMMINGS, MARK WILLIAM, US
[72] PETROVA, JANA, US
[72] MORGAN, JEFF LEE, US
[72] SMITH, MANDY LEHMAN, US
[72] COOPER, JOHN F., US
[71] ESPRIX TECHNOLOGIES, LP., US
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023220)
[87] (WO2018/175358)
[30] US (62/601,368) 2017-03-20

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[13] A1
[51] **Int.Cl. C07D 271/08 (2006.01) A61K 31/4245 (2006.01)**
[25] EN
[54] **NOVEL SUBSTITUTED N'-HYDROXYCARBAMIMIDOYL-1,2,5-OXADIAZOLE COMPOUNDS AS INDOLEAMINE 2,3-DIOXYGENASE (IDO) INHIBITORS**
[54] **NOUVEAUX COMPOSES N'-HYDROXYCARBAMIMIDOYL-1,2,5-OXADIAZOLES SUBSTITUES UTILISES COMME INHIBITEURS D'INDOLEAMINE 2,3-DIOXYGENASE (IDO)**
[72] GUO, LIANGQIN, US
[72] HAN, YONGXIN, US
[72] LIU, KUN, US
[72] HE, SHUWEN, US
[72] KOZLOWSKI, JOSEPH, US
[72] NARGUND, RAVI, US
[72] YU, WENSHENG, US
[72] ZHANG, HONGJUN, US
[72] PU, QINGLIN, US
[72] LI, DERUN, US
[72] ACHAB, ABDELGHANI, US
[72] LI, GUOQING, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/023912)
[87] (WO2018/183097)
[30] US (62/478,262) 2017-03-29

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS, INCLUDING AUTOMATED MOBILE MATRIX CARRIERS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS, COMPRENANT DES SUPPORTS DE MATRICE MOBILE AUTOMATISES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM HYON-CHU, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY, INC., US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024065)
[87] (WO2018/175910)
[30] US (62/475,444) 2017-03-23

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A23L 19/00 (2016.01) A01H 6/20 (2018.01) A01H 5/00 (2018.01) A01N 63/02 (2006.01) A01P 7/04 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/31 (2006.01) C12N 15/32 (2006.01) C12N 15/63 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PRE-MRNA PROCESSING FACTOR 19 (PRP19) NUCLEIC ACID MOLECULES TO CONTROL INSECT PESTS**
[54] **MOLECULES D'ACIDES NUCLEIQUES DU FACTEUR 19 DE TRAITEMENT DU PRE-ARN (PRP19) POUR LUTTER CONTRE DES INSECTES NUISIBLES**
[72] NARVA, KENNETH E., US
[72] GENG, CHAOXIAN, US
[72] FREY, MEGHAN, US
[72] GANDRA, PREMCHAND, US
[72] VILCINSKAS, ANDREAS, DE
[72] YOUNG, CATHERINE D., US
[72] BALACHANDRAN, ABHILASH, US
[72] KNORR, EILEEN, DE
[72] FISCHER, RAINER, US
[71] DOW AGROSCIENCES LLC, US
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV, DE
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023225)
[87] (WO2018/175361)
[30] US (62/474,509) 2017-03-21

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[13] A1
[51] **Int.Cl. G16H 50/20 (2018.01)**
[25] EN
[54] **LEARNING SLEEP STAGES FROM RADIO SIGNALS**
[54] **DETERMINATION DE STADES DU SOMMEIL A PARTIR DE SIGNAUX RADIO**
[72] ZHAO, MINGMIN, US
[72] YUE, SHICHAO, US
[72] KATABI, DINA, US
[72] JAAKKOLA, TOMMI S., US
[71] MASSACHUSSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/023975)
[87] (WO2018/183106)
[30] US (62/476,815) 2017-03-26
[30] US (62/518,053) 2017-06-12

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[13] A1
[51] **Int.Cl. G01N 35/10 (2006.01) G01F 23/26 (2006.01) G01F 25/00 (2006.01) G01N 35/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CAPACITIVE FLUID LEVEL DETECTION, AND HANDLING CONTAINERS**
[54] **SYSTEMES ET PROCEDES DE DETECTION CAPACITIVE DE NIVEAU DE FLUIDE, ET DE MANIPULATION DE RECIPIENTS**
[72] OPALSKY, DAVID, US
[72] BUSE, DAVID, US
[72] TUGGLE, JAMES T., US
[72] NAVARRO, ALEX, US
[72] SHEEHAN, PATRICK, US
[71] GEN-PROBE INCORPORATED, US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024081)
[87] (WO2018/175923)
[30] US (62/476,529) 2017-03-24
[30] US (62/480,977) 2017-04-03

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[51] **Int.Cl. E21B 43/26 (2006.01) E21B 7/28 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **NOTCHING A WELLBORE WHILE DRILLING**
[54] **ENTAILLAGE D'UN PUITS DE FORAGE PENDANT LE FORAGE**
[72] AYUB, MUHAMMAD, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023293)
[87] (WO2018/175394)
[30] US (15/463,552) 2017-03-20

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[13] A1
[51] **Int.Cl. C12N 15/31 (2006.01) C12N 5/0781 (2010.01) A61K 39/00 (2006.01) A61K 39/118 (2006.01) A61K 39/295 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01) C07K 14/295 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **RECOMBINANT CHLAMYDIA-ACTIVATED B CELL PLATFORMS AND METHODS OF USE THEREOF**
[54] **PLATES-FORMES DE CELLULES B ACTIVEES PAR DES CHLAMYDIA RECOMBINEES ET LEURS PROCEDES D'UTILISATION**
[72] CHERPES, THOMAS, US
[72] VICETTI MIGUEL, RODOLFO D., US
[72] RUIZ, NATIVIDAD, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024007)
[87] (WO2018/175875)
[30] US (62/475,413) 2017-03-23

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[13] A1
[51] **Int.Cl. G01N 3/08 (2006.01) G01N 33/24 (2006.01) E21B 49/00 (2006.01)**
[25] EN
[54] **DETERMINING ROCK PROPERTIES**
[54] **DETERMINATION DE PROPRIETES D'UNE ROCHE**
[72] HAN, YANHUI, US
[72] LAI, BITAO, US
[72] LIU, HUI-HAI, US
[72] LI, HUI, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023312)
[87] (WO2018/175404)
[30] US (15/463,537) 2017-03-20

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NUCLEIC ACID EXPRESSION IN VIVO**
[54] **SYSTEMES ET METHODES POUR L'EXPRESSION D'ACIDES NUCLEIQUES IN VIVO**
[72] DEBS, ROBERT JAMES, US
[72] HEATH, TIMOTHY D., US
[72] HANDUMRONGKUL, CHAKKRAPONG, US
[71] DNARX, US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024096)
[87] (WO2018/175932)
[30] US (62/475,477) 2017-03-23

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[13] A1
[51] **Int.Cl. G09F 21/00 (2006.01) B60Q 1/26 (2006.01) B60R 9/00 (2006.01) B60R 9/04 (2006.01) G09F 21/04 (2006.01)**
[25] EN
[54] **ROOF MOUNTING APPARATUS AND SYSTEM FOR VEHICLE TOPPER**
[54] **APPAREIL ET SYSTEME DE MONTAGE DE TOIT POUR UN SURMONTOIR DE VEHICULE**
[72] HORNSBY, ERIC, US
[72] DUNN, WILLIAM, US
[72] BROWN, MIKE, US
[72] BENNETT, DOUG, US
[71] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024027)
[87] (WO2018/175888)
[30] US (62/476,385) 2017-03-24
[30] US (62/571,631) 2017-10-12

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[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/113 (2010.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHOD FOR DIAGNOSING OR MONITORING CONDITIONS CHARACTERIZED BY ABNORMAL TEMPORAL VARIATIONS AND METHOD OF NORMALIZING EPIGENETIC DATA TO COMPENSATE FOR TEMPORAL VARIATIONS**
[54] **PROCEDE DE DIAGNOSTIC OU DE SURVEILLANCE D'ETATS CARACTERISES PAR DES VARIATIONS TEMPORELLES ANORMALES, PROCEDE DE NORMALISATION DE DONNEES EPIGENETIQUES POUR COMPENSER DES VARIATIONS TEMPORELLES**
[72] HICKS, STEVEN D., US
[72] MIDDLETON, FRANK A., US
[72] UHLIG, RICHARD, US
[71] QUADRANT BIOSCIENCES INC., US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[71] PENN STATE RESEARCH FOUNDATION, US
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023336)
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[30] US (62/475,705) 2017-03-23

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[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS, INCLUDING AUTOMATED LINEAR PROCESSING STATIONS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS, COMPRENANT DES STATIONS DE TRAITEMENT LINEAIRE AUTOMATISEES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERRTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] HINCHEY, VICTORIA, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY, INC., US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024055)
[87] (WO2018/175902)
[30] US (62/475,421) 2017-03-23

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[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6876 (2018.01) C12N 15/113 (2010.01) A61B 10/00 (2006.01)**
[25] EN
[54] **ANALYSIS AND PREDICTION OF TRAUMATIC BRAIN INJURY AND CONCUSION SYMPTOMS**
[54] **ANALYSE ET PREDICTION DE LESIONS CEREBRALES TRAUMATIQUES ET DE SYMPTOMES DE COMMOTION CEREBRALE**
[72] HICKS, STEVEN D., US
[72] MIDDLETON, FRANK A., US
[72] UHLIG, RICHARD, US
[71] QUADRANT BIOSCIENCES INC., US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[71] PENN STATE RESEARCH FOUNDATION, US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024111)
[87] (WO2018/175941)
[30] US (62/475,698) 2017-03-23
[30] US (62/480,079) 2017-03-31
[30] US (62/502,107) 2017-05-05
[30] US (62/623,145) 2018-01-29

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **COVER ASSEMBLY AND RELATED METHODS OF USE**
[54] **ENSEMBLE DE COUVERCLES ET PROCEDES D'UTILISATION ASSOCIES**
[72] BUSE, DAVID A., US
[71] GEN-PROBE INCORPORATED, US
[85] 2019-09-19
[86] 2018-03-23 (PCT/US2018/024175)
[87] (WO2018/175985)
[30] US (62/476,246) 2017-03-24

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 21/01 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **SYSTEM FOR RAPID, PORTABLE, AND MULTIPLEXED DETECTION AND IDENTIFICATION OF PATHOGEN SPECIFIC NUCLEIC ACID SEQUENCES**
[54] **SYSTEME POUR LA DETECTION ET L'IDENTIFICATION RAPIDES, PORTABLES ET MULTIPLEXEES DE SEQUENCES D'ACIDES NUCLEIQUES SPECIFIQUES D'AGENTS PATHOGENES**
[72] CUNNINGHAM, BRIAN T., US
[72] BASHIR, RASHID, US
[72] GANGULI, ANURUP, US
[72] ORNOB, AKID, US
[72] DAMHORST, GREGORY, US
[72] YU, HOJEONG, US
[72] CHEN, WEILI, US
[72] SUN, FU, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023338)
[87] (WO2018/175424)
[30] US (62/474,787) 2017-03-22
[30] US (62/616,151) 2018-01-11

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[13] A1
[51] **Int.Cl. D06M 15/647 (2006.01) D21H 21/14 (2006.01)**
[25] EN
[54] **A COMPOSITION AND METHOD OF PRODUCING A CREPING PAPER AND THE CREPING PAPER THEREOF**
[54] **COMPOSITION ET PROCEDE DE PRODUCTION D'UN PAPIER CREPE, ET PAPIER CREPE RESULTANT DE CEUX-CI**
[72] GERSTENHABER, DAVID A., US
[72] PATTERSON, TIMOTHY F., US
[71] SOLENIS TECHNOLOGIES, L.P., US
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023421)
[87] (WO2018/175484)
[30] US (62/474,184) 2017-03-21

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[13] A1
[51] **Int.Cl. H04W 60/00 (2009.01) H04W 8/02 (2009.01)**
[25] EN
[54] **NETWORK SLICING SERVING FUNCTION**
[54] **FONCTION DE SERVICE DE DECOUPAGE DE RESEAU**
[72] SO, TRICCI, US
[71] ZTE CORPORATION, CN
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023435)
[87] (WO2018/175498)
[30] US (62/473,760) 2017-03-20

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[13] A1
[51] **Int.Cl. G06F 9/46 (2006.01) G06F 9/50 (2006.01)**
[25] EN
[54] **METHOD, APPARATUS, AND SYSTEM FOR BLOCKCHAIN CONSENSUS**
[54] **PROCEDE, APPAREIL ET SYSTEME POUR CONSENSUS DE CHAINE DE BLOCS**
[72] ZHUANG, WEIMING, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-19
[86] 2018-03-26 (PCT/US2018/024256)
[87] (WO2018/183148)
[30] CN (201710197538.X) 2017-03-29

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[13] A1
[51] **Int.Cl. A61K 38/46 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATING CANCER WITH CAS ENDONUCLEASE COMPLEXES**
[54] **TRAITEMENT DU CANCER AVEC DES COMPLEXES D'ENDONUCLEASE CAS**
[72] SHUBER, ANTHONY P., US
[71] SHUBER, ANTHONY P., US
[85] 2019-09-19
[86] 2018-03-20 (PCT/US2018/023439)
[87] (WO2018/175502)
[30] US (62/474,149) 2017-03-21

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[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PROCESSING TRANSACTION REQUESTS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE DEMANDES D'UTILISATEUR**
[72] LI, NING, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-19
[86] 2018-03-21 (PCT/US2018/023517)
[87] (WO2018/183055)
[30] CN (201710190507.1) 2017-03-28

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[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01) H04W 72/04 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AN ENHANCED SCHEDULING REQUEST FOR 5G NR**
[54] **SYSTEMES ET PROCEDES POUR UNE DEMANDE D'ORDONNANCEMENT AMELIOREE POUR NR 5G**
[72] SHAHEEN, KAMEL M., US
[72] AIBA, TATSUSHI, US
[71] SHARP KABUSHIKI KAISHA, JP
[85] 2019-09-19
[86] 2018-03-21 (PCT/US2018/023556)
[87] (WO2018/175577)
[30] US (62/476,309) 2017-03-24

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[13] A1
[51] **Int.Cl. B60T 13/66 (2006.01) B60T 7/04 (2006.01) B60T 8/17 (2006.01) B60T 13/74 (2006.01)**
[25] EN
[54] **VALVE SYSTEM AND METHOD FOR CONTROLLING SAME**
[54] **SYSTEME DE CLAPET ET SON PROCEDE DE COMMANDE**
[72] NIGLAS, PAUL C., US
[72] TOBER, MICHAEL D., US
[72] SALVATORA, RANDY J., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2019-09-19
[86] 2018-03-27 (PCT/US2018/024533)
[87] (WO2018/183303)
[30] US (15/470,219) 2017-03-27

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[13] A1
[51] **Int.Cl. B65G 1/137 (2006.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS, INCLUDING AUTOMATED PROCESSING**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS, COMPRENANT UN TRAITEMENT AUTOMATISE**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD, JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] HINCHEY, VICTORIA, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY, INC., US
[85] 2019-09-19
[86] 2018-03-26 (PCT/US2018/024335)
[87] (WO2018/176033)
[30] US (62/476,310) 2017-03-24

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[13] A1
[51] **Int.Cl. B60T 7/20 (2006.01) B60T 15/04 (2006.01)**
[25] EN
[54] **VALVE SYSTEM AND METHOD FOR CONTROLLING THE SAME**
[54] **SYSTEME DE CLAPET ET PROCEDE DE COMMANDE ASSOCIE**
[72] NIGLAS, PAUL C., US
[72] TOBER, MICHAEL D., US
[72] SALVATORA, RANDY J., US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2019-09-19
[86] 2018-03-27 (PCT/US2018/024532)
[87] (WO2018/183302)
[30] US (15/470,208) 2017-03-27

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[13] A1
[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/137 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROCESSING OBJECTS, INCLUDING AUTOMATED MOBILE MATRIX BINS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'OBJETS, COMPRENANT DES COMPARTIMENTS MATRICIELS MOBILES AUTOMATISES**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] AMEND, JOHN RICHARD JR., US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] FORT, WILLIAM HARTMAN, US
[72] GEYER, CHRISTOPHER, US
[72] KING, JENNIFER EILEEN, US
[72] KOLETSCHKA, THOMAS, US
[72] KOVAL, MICHAEL CAP, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW T., US
[72] MCMAHAN, WILLIAM CHU-HYON, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY, INC., US
[85] 2019-09-19
[86] 2018-03-22 (PCT/US2018/023836)
[87] (WO2018/175770)
[30] US (62/475,483) 2017-03-23

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6827 (2018.01) C07H 21/04 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDE PROBES AND USES THEREOF**
[54] **SONDES OLIGONUCLEOTIDIQUES ET LEURS UTILISATIONS**
[72] DOMENYUK, VALERIY, US
[72] LIU, XIANGHUA, US
[72] MIGLARESE, MARK, US
[72] SPETZLER, DAVID, US
[71] CARIS SCIENCE, INC., US
[85] 2019-09-19
[86] 2018-03-27 (PCT/US2018/024666)
[87] (WO2018/183395)
[30] US (62/477,096) 2017-03-27
[30] US (62/477,870) 2017-03-28
[30] US (62/484,272) 2017-04-11

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[13] A1
[51] **Int.Cl. C07C 39/17 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61P 5/30 (2006.01) C07C 39/23 (2006.01) C07D 311/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED (4'-HYDROXYPHENYL)CYCLOALKANE AND (4'-HYDROXYPHENYL)CYCLOALKENE COMPOUNDS AND USES THEREOF AS SELECTIVE AGONISTS OF THE ESTROGEN RECEPTOR BETA ISOFORM FOR ENHANCED MEMORY CONSOLIDATION**
[54] **COMPOSES (4'-HYDROXYPHENYL)CYCLOALCANE ET (4'-HYDROXYPHENYL)CYCLOALCENE SUBSTITUES ET LEURS UTILISATIONS EN TANT QU'AGONISTES SELECTIFS DE L'ISOFORME BETA DU RECEPTEUR DES OESTROGENES POUR UNE CONSOLIDATION AMELIOREE DE MEMOIRE**
[72] DONALDSON, WILLIAM A., US
[72] SEM, DANIEL S., US
[72] FRICK, KARYN, US
[71] MARQUETTE UNIVERSITY, US
[71] CONCORDIA UNIVERSITY, INC., US
[71] UWM RESEARCH FOUNDATION, INC., US
[85] 2019-09-19
[86] 2018-03-30 (PCT/US2018/025342)
[87] (WO2018/183800)
[30] US (62/478,758) 2017-03-30
[30] US (62/572,932) 2017-10-16

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) A61N 1/18 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR SUPPORTING MICRONEEDLES**
[54] **METHODES ET APPAREIL DE SUPPORT DE MICRO-AIGUILLES**
[72] MANSOOR, IMAN, CA
[72] RANAMUKHAARACHCHI, SAHAN ANUPAMA, CA
[72] RAEISZADEH, MEHRSA, CA
[72] STOEBER, BORIS, CA
[71] MICRODERMICS INC., CA
[85] 2019-09-20
[86] 2018-03-13 (PCT/CA2018/050300)
[87] (WO2018/170584)
[30] US (62/474,961) 2017-03-22

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[13] A1
[51] **Int.Cl. A62C 35/02 (2006.01) A62C 99/00 (2010.01) A62C 13/64 (2006.01) A62C 35/68 (2006.01)**
[25] EN
[54] **PRESSURE-REGULATED HIGH PRESSURE STORAGE OF HALOCARBON FIRE EXTINGUISHING AGENT**
[54] **STOCKAGE A HAUTE PRESSION REGULEE PAR LA PRESSION D'UN AGENT D'EXTINCTION D'INCENDIE A BASE D'HALOCARBONE**
[72] JOHNSON, PAUL M., US
[71] CARRIER CORPORATION, US
[85] 2019-09-19
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[87] (WO2018/183456)
[30] US (62/478,716) 2017-03-30

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING T CELL EXHAUSTION BY INHIBITING OR MODULATING T CELL RECEPTOR SIGNALING**
[54] **METHODES DE TRAITEMENT DE L'EPUISEMENT DES LYMPHOCYTES T PAR L'INHIBITION OU LA MODULATION DE LA SIGNALISATION DE RECEPTEURS DE LYMPHOCYTES T**
[72] LYNN, RACHEL, US
[72] MACKALL, CRYSTAL, US
[72] WANDLESS, TOM J., US
[72] WEBER, EVAN, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2019-09-19
[86] 2018-03-30 (PCT/US2018/025459)
[87] (WO2018/183888)
[30] US (62/479,930) 2017-03-31

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[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01) H04W 76/28 (2018.01) G06F 1/28 (2006.01)**
[25] EN
[54] **DYNAMIC POWER MANAGEMENT OF IOT DEVICES**
[54] **GESTION DYNAMIQUE D'ENERGIE DE DISPOSITIFS IOT**
[72] FULESHWAR PRASAD, MAHENDRA, CA
[72] BRUBACHER, JONATHAN QUINN, CA
[72] DILL, SCOTT LEONARD, CA
[72] JANTZI, JASON WAYNE, CA
[72] OGLE, ALEXANDER JOHN, CA
[71] BLACKBERRY LIMITED, CA
[85] 2019-09-20
[86] 2018-03-20 (PCT/CA2018/050333)
[87] (WO2018/170589)
[30] US (15/468,974) 2017-03-24

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 88/00 (2009.01) H01Q 3/00 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **FLEXIBLE BEAMFORMING, CHANNELIZATION, AND ROUTING FOLDED PROCESSING ARCHITECTURE FOR DIGITAL SATELLITE PAYLOADS**
[54] **ARCHITECTURE REPLIEE SOUPLE DE TRAITEMENT DE FORMATION DE FAISCEAU, DE DECOUPAGE EN CANAUX ET DE ROUTAGE POUR CHARGES UTILES SATELLITAIRES NUMERIQUES**
[72] BUEHLER, ERIK, US
[72] PEREGO, RICH E., US
[71] SEAKR ENGINEERING, INC., US
[85] 2019-09-19
[86] 2018-04-04 (PCT/US2018/026129)
[87] (WO2018/187501)
[30] US (62/481,462) 2017-04-04

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[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01) C12Q 1/686 (2018.01) C07K 14/705 (2006.01)**
[25] EN
[54] **METHODS OF ISOLATING NEOANTIGEN-SPECIFIC T CELL RECEPTOR SEQUENCES**
[54] **PROCEDES D'ISOLEMENT DE SEQUENCES DE RECEPTEUR DE LYMPHOCYTES T SPECIFIQUES A UN NEO-ANTIGENE**
[72] LU, YONG-CHEN, US
[72] FITZGERALD, PETER, US
[72] ZHENG, ZHILI, US
[72] ROSENBERG, STEVEN A., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2019-09-19
[86] 2018-03-28 (PCT/US2018/024828)
[87] (WO2018/183485)
[30] US (62/479,398) 2017-03-31

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[13] A1
[51] **Int.Cl. A61F 5/14 (2006.01) A43B 7/22 (2006.01) A43D 1/00 (2006.01) G06F 17/50 (2006.01)**
[25] EN
[54] **CUSTOM FOOT ORTHOTIC AND SYSTEM AND METHOD FOR DESIGNING OF A CUSTOM FOOT ORTHOTIC**
[54] **ORTHESE DE PIED PERSONNALISEE ET SYSTEME ET PROCEDE DE CONCEPTION D'UNE ORTHESE DE PIED PERSONNALISEE**
[72] MILLER, STEVEN, CA
[72] MCLEAN, TODD, CA
[72] CONNOR, PATRICK, CA
[71] MILLER, STEVEN, CA
[71] MCLEAN, TODD, CA
[85] 2019-09-20
[86] 2018-03-22 (PCT/CA2018/050348)
[87] (WO2018/170600)
[30] US (62/601,417) 2017-03-22

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[51] **Int.Cl. C07D 233/90 (2006.01) H01M 4/13 (2010.01) H01M 10/0567 (2010.01) C07C 311/51 (2006.01) C07D 207/448 (2006.01) C07D 233/96 (2006.01) C07D 239/54 (2006.01) C07D 403/04 (2006.01) H01M 4/62 (2006.01)**
[25] EN
[54] **SALTS FOR USE IN ELECTROLYTE COMPOSITIONS OR AS ELECTRODE ADDITIVES**
[54] **SELS DESTINES A ETRE UTILISES DANS DES COMPOSITIONS D'ELECTROLYTE OU EN TANT QU'ADDITIFS D'ELECTRODE**
[72] MALLET, CHARLOTTE, CA
[72] ROCHON, SYLVIANE, CA
[72] LAFLEUR-LAMBERT, ANTOINE, CA
[72] UESAKA, SHINICHI, JP
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[71] MURATA MANUFACTURING CO., LTD., JP
[85] 2019-09-20
[86] 2018-03-27 (PCT/CA2018/050370)
[87] (WO2018/176134)
[30] US (62/477,161) 2017-03-27

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-ILT4 ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS**
[54] **ANTICORPS ANTI-LAG4 ET FRAGMENTS DE FIXATION A L'ANTIGENE**
[72] ZUNIGA, LUIS A., US
[72] JOYCE-SHAIKH, BARBARA, US
[72] BLANUSA, MILAN, US
[72] SCHUSTER, ANDREA CLAUDIA, US
[72] SCHULTZE, KORNELIA, US
[71] MERCK SHARP & DOHME CORP., US
[71] AGENUS INC., US
[85] 2019-09-19
[86] 2018-04-05 (PCT/US2018/026160)
[87] (WO2018/187518)
[30] US (62/483,019) 2017-04-07

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RADIO RESOURCE CONFIGURATION METHOD AND DEVICE, USER EQUIPMENT AND NETWORK ELEMENT**
[54] **PROCEDE ET DISPOSITIF DE CONFIGURATION DE RESSOURCES RADIO, EQUIPEMENT UTILISATEUR ET ELEMENT DE RESEAU**
[72] WANG, XIN, CN
[72] HUANG, HE, CN
[71] ZTE CORPORATION, CN
[85] 2019-09-20
[86] 2018-03-23 (PCT/CN2018/080307)
[87] (WO2018/171743)
[30] CN (201710184480.5) 2017-03-24

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04L 1/16 (2006.01)**
[25] EN
[54] **CONTROL SIGNALING TRANSMISSION METHOD, BASE STATION AND TERMINAL**
[54] **PROCEDE DE TRANSMISSION DE SIGNALISATION DE COMMANDE, STATION DE BASE, ET TERMINAL**
[72] ZHANG, ZHI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-09-20
[86] 2017-03-20 (PCT/CN2017/077378)
[87] (WO2018/170699)

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[13] A1
[51] **Int.Cl. B22D 11/00 (2006.01) B22D 11/06 (2006.01) B22D 11/12 (2006.01) B22D 11/124 (2006.01) B22D 11/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTINUOUS CASTING**
[54] **SYSTEME ET PROCEDE DE COULEE CONTINUE**
[72] DYKES, CHARLES, US
[72] KAGAN, VALERY, US
[72] HAMILTON, DOUGLAS, US
[72] DAVIS, CASEY, US
[72] PENNUCCI, JOHN, US
[71] HAZELETT STRIP-CASTING CORPORATION, US
[85] 2019-09-19
[86] 2018-04-05 (PCT/US2018/026197)
[87] (WO2018/191098)
[30] US (62/483,987) 2017-04-11

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[13] A1
[51] **Int.Cl. H04W 28/04 (2009.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING DATA, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-09-20
[86] 2017-03-23 (PCT/CN2017/077931)
[87] (WO2018/170855)

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[51] **Int.Cl. C07D 407/14 (2006.01) A61K 31/4433 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **OPIOID RECEPTOR (MOR) AGONIST SALT, FUMARATE SALT I CRYSTAL FORM THEREOF AND PREPARATION METHOD THEREOF**
[54] **SEL AGONISTE DU RECEPTEUR OPIOIDE (MOR), FORME CRISTALLINE DU SEL DE FUMARATE I CORRESPONDANTE ET PROCEDE DE PREPARATION DE CELUI-CI**
[72] WANG, LIN, CN
[72] WANG, LIKUN, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2019-09-20
[86] 2018-04-13 (PCT/CN2018/082935)
[87] (WO2018/188643)
[30] CN (201710242119.3) 2017-04-14

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[13] A1
[51] **Int.Cl. B65G 43/00 (2006.01) E01C 23/06 (2006.01) E01C 23/088 (2006.01) E01C 23/09 (2006.01)**
[25] EN
[54] **SYSTEM FOR TRACKING OPERATING TIME FOR CONVEYOR OF WORKING MACHINE**
[54] **SYSTEME DE SUIVI DU TEMPS DE FONCTIONNEMENT D'UN CONVOYEUR D'ENGIN DE CHANTIER**
[72] GRATHWOL, KYLE E., US
[71] ROADTEC, INC., US
[85] 2019-09-19
[86] 2018-04-11 (PCT/US2018/027147)
[87] (WO2018/191402)
[30] US (62/484,568) 2017-04-12

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[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06Q 20/06 (2012.01) G06F 16/27 (2019.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PROTECTING SENSITIVE DATA OF TRANSACTION ACTIVITY BASED ON SMART CONTRACT IN BLOCKCHAIN**
[54] **PROCEDES ET DISPOSITIFS DE PROTECTION DE DONNEES SENSIBLES D'UNE ACTIVITE DE TRANSACTION SUR LA BASE D'UN CONTRAT INTELLIGENT DANS UNE CHAINE DE BLOCS**
[72] CHENG, LONG, CN
[72] LI, YANPENG, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2019-03-01 (PCT/CN2019/076656)
[87] (WO2019/101228)

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[13] A1
[51] **Int.Cl. A01G 31/06 (2006.01)**
[25] EN
[54] **PLANTING DEVICE, MULTILAYER STEREO-PLANTING SYSTEM AND PLANTING SYSTEM OF PLANT FACTORY**
[54] **DISPOSITIF DE CULTURE, SYSTEME DE CULTURE TRIDIMENSIONNELLE MULTICOUCHE ET SYSTEME DE PLANTATION POUR USINE DE PLANTES**
[72] ZHAN, ZHUO, CN
[72] CHEN, YING, CN
[72] LI, ZHIYIN, CN
[71] FUJIAN SANAN SINO-SCIENCE PHOTOBIOTECH CO., LTD., CN
[85] 2019-09-20
[86] 2017-10-27 (PCT/CN2017/107940)
[87] (WO2019/071656)
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[13] A1
[51] **Int.Cl. C09K 8/518 (2006.01) C04B 26/16 (2006.01) C09K 8/44 (2006.01) E21B 33/12 (2006.01) E21B 43/08 (2006.01)**
[25] EN
[54] **POLYURETHANE FOAMED ANNULAR CHEMICAL PACKER**
[54] **GARNITURE D'ETANCHEITE CHIMIQUE ANNULAIRE EN MOUSSE DE POLYURETHANE**
[72] KARADKAR, PRASAD BABURAO, SA
[72] BATAWEEL, MOHAMMED, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-09-19
[86] 2018-04-12 (PCT/US2018/027238)
[87] (WO2018/191457)
[30] US (62/484,576) 2017-04-12
[30] US (15/792,317) 2017-10-24

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[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/21 (2019.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PROCESSING CERTIFICATES IN BLOCKCHAIN SYSTEM**
[54] **PROCEDES ET DISPOSITIFS DE TRAITEMENT DE CERTIFICATS DANS UN SYSTEME DE CHAINES DE BLOCS**
[72] CHENG, LONG, CN
[72] LI, YANPENG, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2019-03-04 (PCT/CN2019/076866)
[87] (WO2019/101231)

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 74/00 (2009.01) H04W 74/08 (2009.01)**
[25] EN
[54] **RANDOM ACCESS PROCEDURE(S) FOR RADIO SYSTEM**
[54] **PROCEDURE(S) D'ACCES ALEATOIRE POUR SYSTEME RADIO**
[72] ISHII, ATSUSHI, US
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2019-09-19
[86] 2018-03-28 (PCT/US2018/024968)
[87] (WO2018/183578)
[30] US (62/478,530) 2017-03-29

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[51] **Int.Cl. H04L 1/16 (2006.01) H04L 1/18 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **FEEDBACK INFORMATION SENDING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF D'ENVOI D'INFORMATIONS DE RETROACTION**
[72] GUAN, LEI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-20
[86] 2018-03-12 (PCT/CN2018/078715)
[87] (WO2018/171455)
[30] CN (201710179901.5) 2017-03-23

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[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/21 (2019.01)**
[25] EN
[54] **METHODS AND DEVICES FOR PROVIDING TRANSACTION DATA TO BLOCKCHAIN SYSTEM FOR PROCESSING**
[54] **PROCEDES ET DISPOSITIFS PERMETTANT DE FOURNIR DES DONNEES DE TRANSACTION A UN SYSTEME DE CHAINE DE BLOCS POUR TRAITEMENT**
[72] CHENG, LONG, CN
[72] LI, YANPENG, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2019-03-04 (PCT/CN2019/076873)
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[13] A1
[51] **Int.Cl. A01N 43/80 (2006.01) A01N 43/56 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES CONTAINING 2-[2,4-DICHLOROPHENYL)METHYL]4,4-DIMETHYL-3-ISOXAZOLIDINONE, PYROXASULFONE AND MEFENPYR-DIETHYL**
[54] **MELANGES HERBICIDES CONTENANT 2-[(2,4-DICHLOROPHENYL)METHYL]4,4-DIMETHYL-3-ISOXAZOLIDINONE, PYROXASULFONE ET MEFENPYR-DIETHYLE**
[72] AULER, THOMAS, DE
[72] DITTGEN, JAN, DE
[72] WILDE, THOMAS, DE
[72] TOSSENS, HERVE, BE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER CROPSCIENCE AKTIENGELSELLSCHAFT, DE
[85] 2019-09-20
[86] 2018-03-20 (PCT/EP2018/056964)
[87] (WO2018/172325)
[30] EP (17162724.3) 2017-03-24
[30] IB (PCT/EP2017/069701) 2017-08-03

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[13] A1
[51] **Int.Cl. G06Q 50/16 (2012.01) G06F 16/27 (2019.01) G07C 9/00 (2006.01)**
[25] EN
[54] **PROPERTY MANAGEMENT SYSTEM UTILIZING A BLOCKCHAIN NETWORK**
[54] **SYSTEME DE GESTION DE BIEN UTILISANT UN RESEAU DE CHAINE DE BLOCS**
[72] LI, YANPENG, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2019-03-04 (PCT/CN2019/076877)
[87] (WO2019/101233)

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[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) A61K 35/17 (2015.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 15/10 (2006.01) C12N 15/62 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TRANSIENT GENE THERAPY WITH ENHANCED STABILITY**
[54] **COMPOSITIONS ET METHODES DE THERAPIE GENIQUE TRANSITOIRE A STABILITE AMELIOREE**
[72] GOLDBERG, MICHAEL SOLOMON, US
[72] CARMONA, ELLESE, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2019-09-19
[86] 2018-04-13 (PCT/US2018/027665)
[87] (WO2018/191722)
[30] US (62/485,619) 2017-04-14

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[13] A1
[51] **Int.Cl. G06F 11/07 (2006.01) G06F 16/21 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENDING VIEW CHANGE PROTOCOL**
[54] **SYSTEME ET PROCEDE PERMETTANT DE METTRE FIN A UN PROTOCOLE DE CHANGEMENT DE VUE**
[72] YANG, DAYI, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2019-03-18 (PCT/CN2019/078492)
[87] (WO2019/101242)

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[13] A1
[51] **Int.Cl. G06F 16/23 (2019.01) G06F 21/62 (2013.01) G06F 16/27 (2019.01)**
[25] EN
[54] **METHODS AND DEVICES FOR ACQUIRING AND RECORDING TRACKING INFORMATION ON BLOCKCHAIN**
[54] **PROCEDES ET DISPOSITIFS PERMETTANT D'ACQUERIR ET D'ENREGISTRER DES INFORMATIONS DE SUIVI SUR UNE CHAINE DE BLOCS**
[72] CHENG, LONG, CN
[72] LI, YANPENG, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2019-03-14 (PCT/CN2019/078169)
[87] (WO2019/101239)

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[13] A1
[51] **Int.Cl. G01S 17/32 (2006.01) G01S 7/481 (2006.01) G01S 7/491 (2006.01) G01S 17/58 (2006.01) G01S 17/95 (2006.01)**
[25] EN
[54] **LIDAR MEASURING DEVICE**
[54] **DISPOSITIF DE MESURE LIDAR**
[72] PETERS, GERHARD, DE
[72] BRINKMEYER, ERNST, DE
[72] BOLLIG, CHRISTOPH, DE
[71] METEK METEOROLOGISCHE MESSTECHNIK GMBH, DE
[85] 2019-09-20
[86] 2018-03-20 (PCT/EP2018/057050)
[87] (WO2018/172369)
[30] DE (10 2017 106 226.2) 2017-03-22

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[13] A1
[51] **Int.Cl. G01L 23/00 (2006.01)**
[25] EN
[54] **OPTICAL FIBRE PRESSURE SENSING APPARATUS EMPLOYING LONGITUDINAL DIAPHRAGM**
[54] **APPAREIL DE DETECTION DE PRESSION DE FIBRE OPTIQUE UTILISANT UN DIAPHRAGME LONGITUDINAL**
[72] AINGER, MICHAEL, GB
[71] NURON LIMITED, GB
[85] 2019-09-20
[86] 2018-03-20 (PCT/EP2018/057051)
[87] (WO2018/172370)
[30] GB (1704492.6) 2017-03-21

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[13] A1
[51] **Int.Cl. A61M 16/14 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **RETROFIT AEROSOL DELIVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ADMINISTRATION ADAPTATIVE D'AEROSOL**
[72] PORTER, SHAUN, IE
[72] SWEENEY, LOUISE, IE
[72] MACLOUGHLIN, RONAN, IE
[72] FINK, JIM, US
[72] DUFFY, AIDAN, IE
[72] LILLIS, CLAIRE, IE
[72] DUFFY, CONOR, IE
[72] KEATING, FRAN, IE
[71] STAMFORD DEVICES LTD, IE
[85] 2019-09-20
[86] 2018-03-23 (PCT/EP2018/057560)
[87] (WO2018/172562)
[30] US (62/475,618) 2017-03-23

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[13] A1
[51] **Int.Cl. H04W 12/06 (2009.01)**
[25] EN
[54] **ENHANCED REGISTRATION PROCEDURE IN A MOBILE SYSTEM SUPPORTING NETWORK SLICING**
[54] **PROCEDURE D'ENREGISTREMENT AMELIOREE DANS UN SYSTEME MOBILE PRENANT EN CHARGE UN DECOUPAGE DE RESEAU EN TRANCHES**
[72] CASATI, ALESSIO, GB
[71] NOKIA TECHNOLOGIES OY, FI
[85] 2019-09-20
[86] 2017-03-21 (PCT/EP2017/056625)
[87] (WO2018/171863)

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[13] A1
[51] **Int.Cl. A01N 43/80 (2006.01) A01N 43/90 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **HERBICIDAL MIXTURES**
[54] **MELANGES HERBICIDES**
[72] MENNE, HUBERT, DE
[72] BREITENSTROTER, CHRISTOPH, DE
[72] TOSSENS, HERVE, BE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2019-09-20
[86] 2018-03-22 (PCT/EP2018/057241)
[87] (WO2018/172442)
[30] EP (17162726.8) 2017-03-24

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[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/00 (2006.01) A61M 15/02 (2006.01) B05B 17/00 (2006.01) B05B 17/06 (2006.01) B41J 2/025 (2006.01) B41J 2/04 (2006.01) B41J 2/165 (2006.01)**
[25] EN
[54] **AEROSOL DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION D'AEROSOL**
[72] MACLOUGHLIN, RONAN, IE
[72] SWEENEY, LOUISE, IE
[72] DUFFY, AIDAN, IE
[72] PORTER, SHAUN, IE
[72] FINK, JIM, US
[72] LILLIS, CLAIRE, IE
[72] DUFFY, CONOR, IE
[72] KEATING, FRAN, IE
[71] STAMFORD DEVICES LTD, IE
[85] 2019-09-20
[86] 2018-03-23 (PCT/EP2018/057559)
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[30] US (62/475,635) 2017-03-23

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[54] **AEROSOL DELIVERY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ADMINISTRATION D'AEROSOL**
[72] PORTER, SHAUN, IE
[72] SWEENEY, LOUISE, IE
[72] MACLOUGHLIN, RONAN, IE
[72] FINK, JIM, US
[72] DUFFY, AIDAN, IE
[72] LILLIS, CLAIRE, IE
[72] DUFFY, CONOR, IE
[72] KEATING, FRAN, IE
[71] STAMFORD DEVICES LTD, IE
[85] 2019-09-20
[86] 2018-03-23 (PCT/EP2018/057561)
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[25] EN
[54] **OPTIMISED TUNNEL VENTILATION DEVICE**
[54] **DISPOSITIF OPTIMISE DE VENTILATION DE TUNNEL**
[72] TARADA, FATHI, GB
[71] MOSEN LTD, GB
[85] 2019-09-20
[86] 2018-02-21 (PCT/GB2018/000029)
[87] (WO2018/203023)
[30] GB (1707147.3) 2017-05-04
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[25] EN
[54] **AN ARTICLE FOR USE WITH AN APPARATUS FOR HEATING AN AEROSOL GENERATING AGENT**
[54] **ARTICLE DESTINE A ETRE UTILISE AVEC UN APPAREIL POUR CHAUFFER UN AGENT GENERATEUR D'AEROSOL**
[72] GHANOUNI, KAVEH, GB
[72] HEPWORTH, RICHARD, GB
[72] ABI AOUN, WALID, GB
[72] KALJURA, KARL, GB
[72] LEAH, THOMAS DAVID, GB
[72] HARRIS, SHASA, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2019-09-20
[86] 2018-03-29 (PCT/EP2018/058195)
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[30] GB (1705152.5) 2017-03-30

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[25] EN
[54] **SEMI AUTOMATIC, COMPACT AND PORTABLE ROTARY BRUSH DISHWASHER**
[54] **LAVE-VAISSELLE A BROSSES ROTATIVES SEMI-AUTOMATIQUE, COMPACT ET PORTATIF**
[72] KRISHNASAMY, KANNAN, IN
[72] RANGA, NARASIMHAN, CA
[71] KRISHNASAMY, KANNAN, IN
[71] RANGA, NARASIMHAN, CA
[85] 2019-09-20
[86] 2018-09-19 (PCT/IN2018/000046)
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[25] EN
[54] **HETEROAROMATIC COMPOUNDS USEFUL IN THERAPY**
[54] **COMPOSES HETEROAROMATIQUES UTILES EN THERAPIE**
[72] WESTMAN, JACOB, SE
[71] CUROVIR AB, SE
[85] 2019-09-20
[86] 2018-04-04 (PCT/EP2018/058522)
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[51] **Int.Cl. G01N 21/31 (2006.01) G01N 21/65 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DETECTION AND CLASSIFICATION OF PATHOGENS**
[54] **DISPOSITIF ET PROCEDE DE DETECTION ET DE CLASSIFICATION D'AGENTS PATHOGENES**
[72] RADHAKRISHNAN, GEETHANJALI, IN
[72] KING, JOHN, IN
[72] U, MEENATCHI, IN
[72] GUPTA, AAYUSH, IN
[71] ADIUVO DIAGNOSTICS PVT LTD, IN
[85] 2019-09-20
[86] 2018-03-22 (PCT/IN2018/050161)
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[25] EN
[54] **ANIMAL SHOE, IN PARTICULAR AN ORTHOPAEDIC SHOE FOR ANIMAL FEET FOR THE RELIEF OF LAME CLOVEN-HOOFED ANIMALS, AND SHOE BASE AND KIT FOR SUCH AN ANIMAL SHOE**
[54] **CHAUSSURE D'ANIMAL, NOTAMMENT CHAUSSURE ORTHOPEDIQUE POUR DES PIEDS D'ANIMAUX, DESTINEE A SOULAGER DES ARTIODACTYLES BOITEUX, ET SEMELAGE ET TROUSSE POUR LADITE CHAUSSURE D'ANIMAL**
[72] STEILS, JAN-MICHAEL, DE
[71] STEILS, JAN-MICHAEL, DE
[85] 2019-09-20
[86] 2017-12-19 (PCT/EP2017/083564)
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[25] EN
[54] **MONITORING SYSTEM FOR AT LEAST ONE PERITONEAL DIALYSIS APPLIANCE**
[54] **SYSTEME DE SURVEILLANCE POUR AU MOINS UN APPAREIL DE DIALYSE PERITONEALE**
[72] HOCHREIN, TORSTEN, DE
[72] NADJA, SCHUBERT, DE
[72] FRANK, HEDMANN, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2019-09-20
[86] 2018-04-24 (PCT/EP2018/060423)
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[30] DE (10 2017 206 877.9) 2017-04-24
[30] US (15/896,695) 2018-02-14

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[51] **Int.Cl. B21B 39/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD TO GUIDE METAL PRODUCTS**
[54] **APPAREIL ET PROCEDE DE GUIDAGE DE PRODUITS METALLIQUES**
[72] DE GIORGIO, TIZIANO, IT
[72] ZANCO, MASSIMO, IT
[71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
[85] 2019-09-20
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[51] **Int.Cl. A61J 1/14 (2006.01) A61J 1/06 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **AMPOULE CLOSURE**
[54] **FERMETURE D'AMPOULE**
[72] VOLLEN, MARTIN, NO
[72] GEERS, KEVIN, NO
[72] ANDRESEN, MARIUS, NO
[72] RASMUSSEN, JOACHIM WALLEM, NO
[72] EKROLL, JAN ANDERS, NO
[71] RABMED A/S, NO
[85] 2019-09-20
[86] 2018-03-16 (PCT/EP2018/056775)
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[51] **Int.Cl. A01G 9/02 (2018.01) A01G 9/20 (2006.01) A01G 17/02 (2006.01) A01G 17/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATED PLANT TRAINING**
[54] **SYSTEME ET PROCEDE D'ENTRAINEMENT DE PLANTE AUTOMATISE**
[72] ATWOOD, AJA N., US
[72] CHAMORRO, ANDRES, III, US
[71] TRELLA TECHNOLOGIES LLC, US
[85] 2019-09-19
[86] 2018-04-17 (PCT/US2018/027939)
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[25] EN
[54] **TETRAHYDRO-BENZO[D]AZEPINE DERIVATIVES AS GPR120 MODULATORS**
[54] **DERIVES DE TETRAHYDRO-BENZO[D]AZEPINE UTILISES EN TANT QUE MODULATEURS DE GPR120**
[72] BROWN, JANE, GB
[72] CONNOLLY, STEPHEN, GB
[72] HANSEN, STEFFEN V. F., GB
[72] MILNE, GAVIN, GB
[72] SHIMPUKADE, BHARAT, GB
[72] SMYTH, DON, GB
[72] THOMAS, GERARD, GB
[72] ULVEN, TROND, GB
[72] BRVAR, MATJAZ, GB
[72] RIGBY, AARON, GB
[71] CALDAN THERAPEUTICS LIMITED, GB
[85] 2019-09-20
[86] 2018-03-26 (PCT/GB2018/000047)
[87] (WO2018/172727)
[30] GB (1704714.3) 2017-03-24

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[51] **Int.Cl. H04W 72/04 (2009.01) H04W 16/32 (2009.01) H04W 76/20 (2018.01)**
[25] EN
[54] **RADIO COMMUNICATION SYSTEM AND RADIO BASE STATION**
[54] **SYSTEME DE COMMUNICATION SANS FIL ET STATION DE BASE SANS FIL**
[72] TAKAHASHI, HIDEAKI, JP
[72] UCHINO, TOORU, JP
[72] HAPSARI, WURI ANDARMAWANTI, JP
[72] UMESH, ANIL, JP
[71] NTT DOCOMO, INC., JP
[85] 2019-09-20
[86] 2018-03-20 (PCT/JP2018/010923)
[87] (WO2018/174038)
[30] JP (2017-057948) 2017-03-23
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[25] EN
[54] **ELECTRONIC ACCOUNT SHARING VIA DYNAMIC TOKENS**
[54] **PARTAGE DE COMPTE ELECTRONIQUE PAR L'INTERMEDIAIRE DE JETONS DYNAMIQUES**
[72] RUNGTA, ADITI, SG
[72] INDRAKESUMA, HISYAM NURSAID, SG
[72] CHENG, WEN ZHAO, SG
[72] WU, XUDONG, SG
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2019-09-19
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[87] (WO2018/200835)
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[51] **Int.Cl. H04M 11/06 (2006.01) H04M 7/12 (2006.01)**
[25] EN
[54] **TELEPHONE SIGNAL PROCESSING**
[54] **TRAITEMENT DE SIGNAUX TELEPHONIQUES**
[72] TAO, YUFEI, GB
[72] BALDWIN, THOMAS, GB
[71] SEMAFONE LIMITED, GB
[85] 2019-09-20
[86] 2018-03-21 (PCT/GB2018/050736)
[87] (WO2018/172771)
[30] GB (1704489.2) 2017-03-21

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[25] EN
[54] **PEPTIDE COMPOUND AND METHOD FOR PRODUCING SAME, COMPOSITION FOR SCREENING USE, AND METHOD FOR SELECTING PEPTIDE COMPOUND**
[54] **COMPOSE PEPTIDE AINSI QUE PROCEDE DE FABRICATION DE CELUI-CI, COMPOSITION POUR CRIBLAGE, ET PROCEDE DE SELECTION DE COMPOSE PEPTIDE**
[72] INOUE, MASAAKI, JP
[72] TAMURA, TAKASHI, JP
[72] YOSHIMITSU, YUJI, JP
[72] HOHSAKA, TAKAHIRO, JP
[72] WATANABE, TAKAYOSHI, JP
[71] FUJIFILM CORPORATION, JP
[85] 2019-09-20
[86] 2018-03-20 (PCT/JP2018/011143)
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[30] JP (2017-053954) 2017-03-21

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[51] **Int.Cl. G16B 40/00 (2019.01) G06F 16/903 (2019.01) G16B 50/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BIOMARKER IDENTIFICATON**
[54] **SYSTEMES ET PROCEDES ATAVIQUES DE DECOUVERTE DE BIOMARQUEURS**
[72] JESSEN, WALTER JOSEPH, US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2019-09-19
[86] 2018-05-11 (PCT/US2018/032187)
[87] (WO2018/209165)
[30] US (62/505,536) 2017-05-12
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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS TO DETECT NON-COELIAC GLUTEN SENSITIVITY**
[54] **COMPOSITIONS ET PROCEDES POUR DETECTER UNE SENSIBILITE AU GLUTEN NON C□LIAQUE**
[72] JESSEN, WALTER JOSEPH, US
[72] KATAYEV, ALEXANDER L., US
[71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
[85] 2019-09-19
[86] 2018-05-11 (PCT/US2018/032223)
[87] (WO2018/209180)
[30] US (62/505,378) 2017-05-12

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[51] **Int.Cl. H01M 2/10 (2006.01) H01R 9/28 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **HOUSING DEVICE**
[54] **DISPOSITIF DE LOGEMENT**
[72] ETSUNAGI, KENICHI, JP
[72] OSHIMA, RYO, JP
[72] KOKETSU, TOMOYUKI, JP
[72] OKADO, MICHIHITO, JP
[72] SHIIYAMA, TAKUMI, JP
[71] HONDA MOTOR CO.,LTD., JP
[85] 2019-09-20
[86] 2018-03-22 (PCT/JP2018/011553)
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[30] JP (2017-059355) 2017-03-24

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[51] **Int.Cl. C07D 413/14 (2006.01) A61K 31/415 (2006.01) A61K 31/4155 (2006.01) A61P 27/16 (2006.01) C07D 261/08 (2006.01) C07D 413/04 (2006.01) C07D 413/12 (2006.01) C07D 487/08 (2006.01)**
[25] EN
[54] **ISOXAZOLE CARBOXAMIDE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES D'ISOXAZOLE CARBOXAMIDES ET LEURS UTILISATIONS**
[72] BECKWITH, ROHAN ERIC JOHN, US
[72] JIANG, HUA, CN
[72] WANG, CE, CN
[71] NOVARTIS AG, CH
[85] 2019-09-20
[86] 2018-03-23 (PCT/IB2018/051997)
[87] (WO2018/172997)
[30] CN (PCT/CN2017/078060) 2017-03-24

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[51] **Int.Cl. H01R 4/18 (2006.01) H01R 13/10 (2006.01) H05B 3/08 (2006.01) H05B 3/20 (2006.01)**
[25] EN
[54] **POWER CONNECTOR DEDICATED TO HEATING FILM**
[54] **CONNECTEUR D'ALIMENTATION DEDIE A UN FILM CHAUFFANT**
[72] KIM, YI TAE, KR
[71] SH KOREA CO., LTD., KR
[85] 2019-09-20
[86] 2018-04-04 (PCT/KR2018/003995)
[87] (WO2018/186688)
[30] KR (10-2017-0043589) 2017-04-04

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **MECP2 BASED THERAPY**
[54] **THERAPIE A BASE DE MECP2**
[72] BIRD, ADRIAN, GB
[72] TILLOTSON, REBEKAH, GB
[72] COBB, STUART ROBERT, GB
[72] HECTOR, RALPH DAVID, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, GB
[85] 2019-09-20
[86] 2018-03-23 (PCT/GB2018/050772)
[87] (WO2018/172794)
[30] GB (1704722.6) 2017-03-24
[30] GB (1704704.4) 2017-03-24

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[51] **Int.Cl. B65B 9/04 (2006.01) B65B 37/08 (2006.01) B65B 37/20 (2006.01) B65B 47/10 (2006.01) C11D 17/04 (2006.01)**
[25] EN
[54] **PACKAGING SYSTEM FOR PRODUCING POUCHES**
[54] **SYSTEME D'EMBALLAGE POUR LA PRODUCTION DE SACHETS**
[72] BOOD, ARIE, NL
[72] WIJNBERG, MARC ROBERT, NL
[71] EME ENGEL MACHINEFABRIEK EN ENGINEERING B.V., NL
[85] 2019-09-20
[86] 2018-04-10 (PCT/NL2018/050221)
[87] (WO2018/190708)
[30] NL (2018707) 2017-04-13

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[13] A1
[51] **Int.Cl. B60K 17/16 (2006.01) F16H 48/06 (2006.01) F16H 48/10 (2012.01)**
[25] EN
[54] **REGENERATIVE DIFFERENTIAL FOR DIFFERENTIALLY STEERED AND FRONT-WHEEL STEERED VEHICLES**
[54] **DIFFERENTIEL REGENERATIF DESTINE A DES VEHICULES DIRIGES DE MANIERE DIFFERENTIELLE ET DIRIGES PAR ROUES AVANT**
[72] CHU, SHAUN, US
[71] CHU, SHAUN, US
[85] 2019-09-20
[86] 2017-03-23 (PCT/US2017/023816)
[87] (WO2017/165648)
[30] US (62/390,253) 2016-03-23
[30] US (62/325,261) 2016-04-20
[30] US (15/239,733) 2016-08-17

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[25] EN
[54] **NANOSIZED PARTICULATES FOR DOWNHOLE APPLICATIONS**
[54] **PARTICULES NANOMETRIQUES POUR APPLICATIONS DE FOND DE TROU**
[72] REYES, ENRIQUE A., US
[72] BEUTERBAUGH, AARON M., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-09-20
[86] 2017-05-02 (PCT/US2017/030631)
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[13] A1
[51] **Int.Cl. A61K 8/92 (2006.01) A61K 8/34 (2006.01) A61K 36/185 (2006.01) A61P 1/02 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE SOINS BUCCO-DENTAIRES ET LEURS METHODES D'UTILISATION**
[72] ANSARI, SHAMIM, US
[72] TRIVEDI, HARSH MAHENDRA, US
[72] MASTERS, JAMES G., US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2019-09-20
[86] 2017-05-17 (PCT/US2017/033087)
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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **MECP2 EXPRESSION CASSETTES**
[54] **CASSETTES D'EXPRESSION DE MECP2**
[72] BIRD, ADRIAN, GB
[72] TILLOTSON, REBEKAH, GB
[72] COBB, STUART ROBERT, GB
[72] HECTOR, RALPH DAVID, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, GB
[85] 2019-09-20
[86] 2018-03-23 (PCT/GB2018/050773)
[87] (WO2018/172795)
[30] GB (1704722.6) 2017-03-24
[30] GB (1704704.4) 2017-03-24

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[13] A1
[51] **Int.Cl. C07D 215/40 (2006.01) A61K 31/4375 (2006.01) A61K 31/4704 (2006.01) A61K 31/4709 (2006.01) A61K 31/496 (2006.01) A61K 31/498 (2006.01) A61K 31/506 (2006.01) A61K 31/519 (2006.01) A61K 31/5377 (2006.01) A61P 31/04 (2006.01) A61P 43/00 (2006.01) C07D 241/44 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **2(1H)-QUINOLINONE DERIVATIVE**
[54] **DERIVE DE 2(1H)-QUINOLINONE**
[72] AMADA, HIDEAKI, JP
[72] OTAKE, NORIKAZU, JP
[72] USHIYAMA, FUMIHITO, JP
[72] KIM, CHUNHAE, JP
[72] TAKEUCHI, TOMOKI, JP
[72] TANAKA, NOZOMI, JP
[71] TAISHO PHARMACEUTICAL CO., LTD., JP
[85] 2019-09-20
[86] 2018-03-23 (PCT/JP2018/011913)
[87] (WO2018/174288)
[30] JP (2017-060201) 2017-03-24

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[13] A1
[51] **Int.Cl. E21B 47/12 (2012.01)**
[25] EN
[54] **HYBRID TELEMETRY SYSTEM FOR DRILLING OPERATIONS**
[54] **SYSTEME DE TELEMETRIE HYBRIDE POUR DES OPERATIONS DE FORAGE**
[72] HEAD, PHILIP, GB
[71] ENTEQ UPSTREAM PLC, GB
[85] 2019-09-20
[86] 2018-03-23 (PCT/GB2018/050778)
[87] (WO2018/172796)
[30] GB (1704605.3) 2017-03-23
[30] GB (1705793.6) 2017-04-11

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[51] **Int.Cl. H01M 8/1213 (2016.01) H01M 8/1286 (2016.01) H01M 4/86 (2006.01) H01M 4/88 (2006.01) H01M 8/12 (2016.01) H01M 8/0612 (2016.01)**
[25] EN
[54] **SUBSTRATE WITH ELECTRODE LAYER FOR METAL-SUPPORTED ELECTROCHEMICAL ELEMENT, ELECTROCHEMICAL ELEMENT, ELECTROCHEMICAL MODULE, SOLID OXIDE FUEL CELL, AND MANUFACTURING METHOD**
[54] **SUBSTRAT AVEC COUCHE D'ELECTRODE POUR ELEMENT ELECTROCHIMIQUE DE TYPE SUPPORT METALLIQUE, ELEMENT ELECTROCHIMIQUE, MODULE ELECTROCHIMIQUE, PILE A COMBUSTIBLE A OXYDE SOLIDE, ET PROCEDE DE FABRICATION**
[72] ECHIGO, MITSUAKI, JP
[72] OHNISHI, HISAO, JP
[72] TSUDA, YUJI, JP
[72] MANABE, KYOHEI, JP
[72] MINAMI, KAZUYUKI, JP
[72] YAMAZAKI, OSAMU, JP
[71] OSAKA GAS CO., LTD., JP
[85] 2019-09-20
[86] 2018-03-22 (PCT/JP2018/011441)
[87] (WO2018/174167)
[30] JP (2017-056731) 2017-03-22

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[13] A1
[51] **Int.Cl. B62K 5/10 (2013.01) B62K 5/05 (2013.01)**
[25] EN
[54] **LEANING VEHICLE**
[54] **VEHICULE A INCLINAISON**
[72] SHIBUYA, YU, JP
[71] YAMAHA HATSUDOKI KABUSHIKI KAISHA, JP
[85] 2019-09-20
[86] 2018-05-01 (PCT/JP2018/017384)
[87] (WO2018/211973)
[30] JP (2017-099516) 2017-05-19

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[13] A1
[51] **Int.Cl. H01M 8/1213 (2016.01) H01M 8/1286 (2016.01) H01M 4/86 (2006.01) H01M 8/12 (2016.01)**
[25] EN
[54] **MANUFACTURING METHOD FOR ELECTROCHEMICAL ELEMENT AND ELECTROCHEMICAL ELEMENT**
[54] **PROCEDE DE FABRICATION D'ELEMENT ELECTROCHIMIQUE ET ELEMENT ELECTROCHIMIQUE**
[72] ECHIGO, MITSUAKI, JP
[72] OHNISHI, HISAO, JP
[72] TSUDA, YUJI, JP
[72] MANABE, KYOHEI, JP
[72] MINAMI, KAZUYUKI, JP
[71] OSAKA GAS CO., LTD., JP
[85] 2019-09-20
[86] 2018-03-22 (PCT/JP2018/011442)
[87] (WO2018/174168)
[30] JP (2017-056732) 2017-03-22

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[13] A1
[51] **Int.Cl. E05B 77/30 (2014.01) E05B 77/32 (2014.01) E05B 79/06 (2014.01) E05B 79/10 (2014.01) B60R 25/00 (2013.01) E05B 3/04 (2006.01) E05B 3/08 (2006.01)**
[25] EN
[54] **DOOR FOR A VEHICLE**
[54] **PORTE POUR UN VEHICULE**
[72] LAROCHE, DAVID, CA
[72] PROULX, DAVE, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2019-09-20
[86] 2017-09-14 (PCT/IB2017/055580)
[87] (WO2018/172834)
[30] US (62/473,613) 2017-03-20

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/551 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **SUSTAINED RELEASE OLANZAPINE FORMULAITONS**
[54] **FORMULATIONS D'OLANZAPINE A LIBERATION PROLONGEE**
[72] SMITH, MARK ALAN, US
[72] CLAASSEN-PUNT, CARINE, NL
[72] CHEN, LING, US
[72] GERSHON, ARI ANDREW, IL
[71] TEVA PHARMACEUTICALS INTERNATIONAL GMBH, CH
[85] 2019-09-20
[86] 2018-03-20 (PCT/IB2018/000374)
[87] (WO2018/172850)
[30] US (62/473,608) 2017-03-20

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[13] A1
[51] **Int.Cl. C12N 5/0797 (2010.01)**
[25] EN
[54] **METHOD FOR INHIBITING DIFFERENTIATION OF NEURAL STEM CELL, METHOD FOR PREPARING NEURAL STEM CELL, AND METHOD FOR DIFFERENTIATING AND INDUCING NEURAL STEM CELL**
[54] **METHODE D'INHIBITION DE LA DIFFERENCIATION D'UNE CELLULE SOUCHE NEURALE, METHODE DE PREPARATION D'UNE CELLULE SOUCHE NEURALE ET METHODE DE DIFFERENCIATION ET D'INDUCTION D'UNE CELLULE SOUCHE NEURALE**
[72] KASUYA, YOSHITOSHI, JP
[72] YOSHIOKA, KENTO, JP
[72] HAGIHARA, MASAHIKO, JP
[71] UBE INDUSTRIES, LTD., JP
[71] NATIONAL UNIVERSITY CORPORATION CHIBA UNIVERSITY, JP
[85] 2019-09-20
[86] 2018-03-22 (PCT/JP2018/011492)
[87] (WO2018/174186)
[30] JP (2017-057635) 2017-03-23

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6851 (2018.01) A61K 45/00 (2006.01) A61P 35/00 (2006.01) C12M 1/34 (2006.01)**
[25] EN
[54] **DNA METHYLATION AND MUTATIONAL ANALYSIS METHODS FOR BLADDER CANCER SURVEILLANCE**
[54] **METHODES D'ANALYSE POUR LA DETECTION DE METHYLATION D'ADN ET DE MUTATION A DES FINS DE SURVEILLANCE DU CANCER DE LA VESSIE**
[72] LOPATIN, MARGARITA, US
[72] TSIATIS, ATHANASIOS, US
[72] SILK, CHRISTOPHER N., US
[72] MILLER, DAVID P., US
[72] CRAGER, MICHAEL, US
[72] FEBBO, PHILLIP, US
[72] KNEZEVIC, DEJAN, US
[71] GENOMIC HEALTH, INC., US
[85] 2019-09-19
[86] 2018-05-17 (PCT/US2018/033146)
[87] (WO2018/213550)
[30] US (62/508,274) 2017-05-18

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[13] A1
[51] **Int.Cl. B29B 11/16 (2006.01) B32B 5/02 (2006.01) B32B 7/12 (2006.01) C08J 5/24 (2006.01) C09J 163/00 (2006.01)**
[25] EN
[54] **SELF-ADHESIVE PREPREG AND METHOD FOR PRODUCING SAME**
[54] **PRE-IMPREGNE AUTO-ADHESIF ET SA METHODE DE PRODUCTION**
[72] KAWAKAMI, ATSUSHI, JP
[72] SCHUBERT, MATTHIAS, JP
[72] KANEKO, TORU, JP
[71] TEIJIN LIMITED, JP
[85] 2019-09-20
[86] 2018-03-22 (PCT/JP2018/011556)
[87] (WO2018/174217)
[30] JP (2017-058272) 2017-03-23

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[13] A1
[51] **Int.Cl. G16H 20/13 (2018.01) A61J 7/04 (2006.01)**
[25] EN
[54] **MEDICATION DISPENSING PHONE CASE SYSTEM**
[54] **SYSTEME DE BOITIER DE TELEPHONE DE DISTRIBUTION DE MEDICAMENT**
[72] JOYCE, JAMES, US
[72] DALY, KIERAN, IE
[71] HEALTHBEACON LTD., IE
[85] 2019-09-20
[86] 2018-03-23 (PCT/IB2018/000409)
[87] (WO2018/172858)
[30] US (62/475,370) 2017-03-23

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[13] A1
[51] **Int.Cl. A61K 31/69 (2006.01) A61K 33/22 (2006.01) A61K 38/06 (2006.01)**
[25] EN
[54] **CU-AND NI-CATALYZED DECARBOXYLATIVE BORYLATION REACTIONS**
[54] **REACTIONS DE BORYLATION DECARBOXYLATIVE CATALYSEES PAR CU ET NI**
[72] BARAN, PHIL, US
[72] LI, CHAO, US
[72] WANG, JIE, US
[72] CHATTERJEE, ARNAB KUMAR, US
[72] KUMAR, MANOJ, US
[72] YU, SHAN, US
[72] JOHNSON, KRISTEN ANN, US
[72] QIN, TIAN, US
[72] SHANG, MING, US
[71] THE SCRIPPS RESEARCH INSTITUTE, US
[85] 2019-09-20
[86] 2018-03-14 (PCT/US2018/022394)
[87] (WO2018/175173)
[30] US (62/474,181) 2017-03-21

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) A61K 31/713 (2006.01)**
[25] EN
[54] **STRUCTURE SPECIFIC RECOGNITION PROTEIN 1 (SSRP1) NUCLEIC ACID MOLECULES TO CONTROL INSECT PESTS**
[54] **MOLECULES D'ACIDE NUCLEIQUE DE PROTEINE DE RECONNAISSANCE SPECIFIQUE DE STRUCTURE 1 (SSRP1) POUR LUTTER CONTRE DES INSECTES NUISIBLES**
[72] NARVA, KENNETH E., US
[72] GENG, CHAOXIAN, US
[72] FREY, MEGHAN, US
[72] GANDRA, PREMCHAND, US
[72] VILCINSKAS, ANDREAS, DE
[72] YOUNG, CATHERINE D., US
[72] BALACHANDRAN, ABHILASH, US
[72] KNORR, EILEEN, DE
[72] FISCHER, RAINER, US
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV, DE
[71] DOW AGROSCIENCES LLC, US
[85] 2019-09-19
[86] 2018-05-18 (PCT/US2018/033296)
[87] (WO2018/213655)
[30] US (62/508,276) 2017-05-18

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[51] **Int.Cl. H04N 19/13 (2014.01) H04N 19/122 (2014.01) H04N 19/124 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **TRANSFORM METHOD IN IMAGE CODING SYSTEM AND APPARATUS FOR SAME**
[54] **PROCEDE DE TRANSFORMATION DANS UN SYSTEME DE CODAGE D'IMAGE ET APPAREIL ASSOCIE**
[72] KIM, SEUNGHWAN, KR
[72] JANG, HYEONGMOON, KR
[72] LIM, JAEHYUN, KR
[71] LG ELECTRONICS INC., KR
[85] 2019-09-20
[86] 2018-01-31 (PCT/KR2018/001320)
[87] (WO2018/174402)
[30] US (62/474,574) 2017-03-21

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[13] A1
[51] **Int.Cl. C07D 241/12 (2006.01) A24B 15/38 (2006.01) A24B 15/42 (2006.01)**
[25] EN
[54] **METHODS OF SELECTIVELY FORMING SUBSTITUTED PYRAZINES**
[54] **PROCEDES DE FORMATION SELECTIVE DE PYRAZINES SUBSTITUEES**
[72] DUBE, MICHAEL FRANCIS, US
[72] COLEMAN, WILLIAM MONROE, III, US
[71] R. J. REYNOLDS TOBACCO COMPANY, US
[85] 2019-09-20
[86] 2018-03-23 (PCT/IB2018/051994)
[87] (WO2018/172995)
[30] US (15/468,665) 2017-03-24

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD33 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-CD33 ET LEURS PROCEDES D'UTILISATION**
[72] CULP, PATRICIA, US
[72] LAM, HELEN, US
[72] ROSENTHAL, ARNON, US
[72] LEE, SEUNG-JOO, US
[72] NIELSON, NELS P., US
[72] PEJCHAL, ROBERT, US
[71] ALECTOR LLC, US
[85] 2019-09-19
[86] 2018-08-02 (PCT/US2018/045056)
[87] (WO2019/028283)
[30] US (62/541,024) 2017-08-03
[30] US (62/667,388) 2018-05-04

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[13] A1
[51] **Int.Cl. E21B 43/10 (2006.01) E21B 41/00 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **ARRANGEMENT AND METHOD FOR DEPLOYING DOWNHOLE TOOLS TO LOCATE CASING COLLAR USING XY MAGNETOMETERS**
[54] **AGENCEMENT ET PROCEDE PERMETTANT DE DEPLOYER DES OUTILS DE FOND DE TROU POUR LOCALISER UN JOINT DE TUBAGE A L'AIDE DE MAGNETOMETRES XY**
[72] YANG, LEI, US
[72] FANG, LEI, US
[72] BALE, DEREK S., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2019-09-20
[86] 2018-01-18 (PCT/US2018/014208)
[87] (WO2018/156272)
[30] US (15/438,964) 2017-02-22

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[13] A1
[51] **Int.Cl. H04N 21/00 (2011.01) H04N 21/234 (2011.01) H04N 21/262 (2011.01)**
[25] EN
[54] **CONTENT-ACTIVATED INTELLIGENT, AUTONOMOUS AUDIO/VIDEO SOURCE CONTROLLER**
[54] **DISPOSITIF DE COMMANDE DE SOURCE AUDIO/VIDEO AUTONOME INTELLIGENT ACTIVE PAR LE CONTENU**
[72] DAVID, RODRIC, US
[72] PRICE, MATTHEW, US
[72] KOLESA, PAUL, US
[71] AMPLIVY, INC., US
[85] 2019-09-20
[86] 2018-03-15 (PCT/US2018/022660)
[87] (WO2018/175201)
[30] US (15/465,011) 2017-03-21

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[13] A1
[51] **Int.Cl. B05C 19/06 (2006.01) B05B 14/00 (2018.01) B05B 14/30 (2018.01) B05C 11/10 (2006.01)**
[25] EN
[54] **FLUID APPLICATION SYSTEM ADAPTED TO COLLECT AND REUSE RECLAIMED FLUID**
[54] **SYSTEME D'APPLICATION DE FLUIDE CONCU POUR COLLECTER ET REUTILISER UN FLUIDE REGENERE**
[72] SADRI, HOSSEIN JACOB, US
[72] JUSZCZYK, STEPHEN, US
[71] FORD MOTOR COMPANY, US
[85] 2019-09-20
[86] 2018-01-25 (PCT/US2018/015171)
[87] (WO2018/174991)
[30] US (62/474,904) 2017-03-22
[30] US (15/626,736) 2017-06-19

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[13] A1
[51] **Int.Cl. G07C 5/00 (2006.01)**
[25] EN
[54] **VEHICLE VIDEO RECORDING SYSTEM WITH DRIVER PRIVACY**
[54] **SYSTEME D'ENREGISTREMENT VIDEO DE VEHICULE AVEC CONFIDENTIALITE DE CONDUCTEUR**
[72] SCHIMELPFENIG, ANDREW KELLY, US
[72] GOFORTH, THOMAS WADE, US
[71] OMNITRACS, LLC, US
[85] 2019-09-20
[86] 2018-03-16 (PCT/US2018/022904)
[87] (WO2018/175243)
[30] US (15/467,618) 2017-03-23

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[13] A1
[51] **Int.Cl. A61K 35/14 (2015.01) A61P 35/00 (2006.01) C07K 14/35 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **CS1 TARGETED CHIMERIC ANTIGEN RECEPTOR-MODIFIED T CELLS FOR TREATMENT OF AL AMYLOIDOSIS**
[54] **LYMPHOCYTES T MODIFIES PAR UN RECEPTEUR D'ANTIGENE CHIMERIQUE CIBLANT CS1 POUR LE TRAITEMENT DE L'AMYLOSE D'AL**
[72] WANG, XIULI, US
[72] FORMAN, STEPHEN J., US
[71] CITY OF HOPE, US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023381)
[87] (WO2018/175453)
[30] US (62/473,980) 2017-03-20

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[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 30/02 (2012.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **A SYSTEM AND METHODS FOR OPERATING AN INFORMATION EXCHANGE**
[54] **SYSTEME ET PROCEDES DE REALISATION D'ECHANGE**
[72] MCFADDEN, BRIAN, US
[71] MCFADDEN, BRIAN, US
[85] 2019-09-20
[86] 2018-02-08 (PCT/US2018/017497)
[87] (WO2018/148466)
[30] US (62/456,589) 2017-02-08
[30] US (15/891,363) 2018-02-07

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[13] A1
[51] **Int.Cl. A61L 2/04 (2006.01) A61B 50/30 (2016.01) A61B 90/70 (2016.01) A61B 1/12 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **RAPID STERILIZATION IN A DRYING CHAMBER**
[54] **STERILISATION RAPIDE DANS UNE CHAMBRE DE SECHAGE**
[72] COOKSON, ADAM R., US
[72] STOREY, DANIEL, US
[72] THOMAS, CHRISTINA K., US
[71] TEKDRY INTERNATIONAL, INC., US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023384)
[87] (WO2018/175455)
[30] US (62/473,543) 2017-03-20
[30] US (62/598,004) 2017-12-13

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/00 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **AUTOMATED SYSTEM AND METHOD FOR CREATING MACHINE-GENERATED ADVERTISEMENTS**
[54] **SYSTEME ET PROCEDE AUTOMATISES POUR CREER DES PUBLICITES GENEREES PAR MACHINE**
[72] THOMAS, KYLE A., US
[72] SLAUGHTER, FRANK G., III, US
[72] DUKA, STENLI, US
[72] SLAUGHTER, EMILIE I., US
[71] MOTIVEMETRICS INC., US
[85] 2019-09-20
[86] 2018-03-19 (PCT/US2018/023161)
[87] (WO2018/175331)
[30] US (62/476,183) 2017-03-24

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[13] A1
[51] **Int.Cl. H05H 1/34 (2006.01) H05H 1/24 (2006.01) H05H 1/26 (2006.01) H05H 1/32 (2006.01)**
[25] EN
[54] **OPTIMIZED NEUTRODE STACK COOLING FOR A PLASMA GUN**
[54] **REFROIDISSEMENT OPTIMISE D'UN EMPILEMENT DE NEUTRODES POUR PISTOLET A PLASMA**
[72] MOLZ, RONALD J., US
[72] HAWLEY, DAVE, US
[72] COLMENARES, JOSE, US
[71] OERLIKON METCO (US) INC., US
[85] 2019-09-13
[86] 2018-03-14 (PCT/US2018/022373)
[87] (WO2018/170090)
[30] US (62/472,202) 2017-03-16

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[13] A1
[51] **Int.Cl. E21B 17/042 (2006.01) C22C 9/06 (2006.01) F16L 15/00 (2006.01)**
[25] EN
[54] **COUPLINGS FOR WELL PUMPING COMPONENTS**
[54] **ACCOUPLEMENTS POUR ELEMENTS DE POMPAGE DE PUITS**
[72] NIELSEN, WILLIAM D., JR., US
[72] NIELSEN, DIANE M., US
[71] MATERION CORPORATION, US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023385)
[87] (WO2018/175456)
[30] US (62/473,792) 2017-03-20

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04M 3/51 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SELF-DEPLOYING AND SELF-ADAPTING CONTACT CENTER COMPONENTS**
[54] **SYSTEME ET PROCEDE D'AUTODEPLOIEMENT ET D'AUTOADAPTATION DE COMPOSANTS DE CENTRE DE CONTACT**
[72] PIRAT, VINCENT, US
[72] CHOEL, CLEMENT, US
[72] JACOLOT, CHRISTIAN, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
[85] 2019-09-17
[86] 2018-04-05 (PCT/US2018/026275)
[87] (WO2018/187583)
[30] US (15/481,396) 2017-04-06

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[13] A1
[51] **Int.Cl. H02G 1/14 (2006.01) F21S 13/12 (2006.01) F21V 17/02 (2006.01)**
[25] EN
[54] **NON-CONDUCTIVE SUPPORT STANDS**
[54] **SUPPORTS DE SUPPORT NON CONDUCTEURS**
[72] STILWELL, CHARLES MITCHELL, US
[72] CEASS, RICHARD WALLACE, US
[71] HUBBELL INCORPORATED, US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023389)
[87] (WO2018/175459)
[30] US (62/474,279) 2017-03-21

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[13] A1
[51] **Int.Cl. G01S 17/48 (2006.01) G01S 7/481 (2006.01)**
[25] EN
[54] **LIDAR BASED 3-D IMAGING WITH STRUCTURED LIGHT AND INTEGRATED ILLUMINATION AND DETECTION**
[54] **IMAGERIE 3D ORIENTEE LIDAR A LUMIERE STRUCTUREE ET ECLAIRAGE INTEGRE ET DETECTION**
[72] HALL, DAVID S., US
[72] REKOW, MATHEW NOEL, US
[71] VELODYNE LIDAR, INC., US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023283)
[87] (WO2018/175387)
[30] US (62/473,628) 2017-03-20
[30] US (15/926,095) 2018-03-20

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) C07C 7/11 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **ALTERNATIVE TWO COLUMN HRU DESIGN WITH RICH REFLUX**
[54] **CONCEPTION ALTERNATIVE A DEUX COLONNES HRU A REFLUX RICHE**
[72] EMBRY, DALE L., US
[72] DAVIES, PAUL R., US
[72] MA, QI, US
[72] LARKIN, DAVID W., US
[72] CALDERON, MICHAEL J., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023285)
[87] (WO2018/175388)
[30] US (62/473,701) 2017-03-20
[30] US (15/925,873) 2018-03-20

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[13] A1
[51] **Int.Cl. A61F 2/958 (2013.01) A61M 25/00 (2006.01) A61M 25/10 (2013.01) A61M 31/00 (2006.01)**
[25] EN
[54] **COMBINED STENT REPERFUSION SYSTEM**
[54] **SYSTEME COMBINE DE REPERFUSION DE STENT**
[72] SCHWARTZ, ROBERT S., US
[72] HOEM, JON H., CH
[72] ROTHMAN, MARTIN T., US
[71] CORFLOW THERAPEUTICS AG, CH
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023422)
[87] (WO2018/175485)
[30] US (62/473,740) 2017-03-20

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **RANDOM ACCESS PROCESS IN NEW RADIO**
[54] **PROCEDE D'ACCES ALEATOIRE DANS UNE NOUVELLE RADIO**
[72] DINAN, ESMAEL, US
[72] JEON, HYOUNGSUK, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[85] 2019-09-20
[86] 2018-03-22 (PCT/US2018/023886)
[87] (WO2018/175809)
[30] US (62/475,033) 2017-03-22
[30] US (62/475,028) 2017-03-22
[30] US (62/475,039) 2017-03-22
[30] US (62/475,045) 2017-03-22
[30] US (62/475,537) 2017-03-23

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[13] A1
[51] **Int.Cl. B01F 1/00 (2006.01) A61M 1/16 (2006.01) B01F 5/04 (2006.01) B01F 5/10 (2006.01) B01F 15/00 (2006.01)**
[25] EN
[54] **ACID MIXING SYSTEM**
[54] **PROCEDE ET SYSTEME DE MELANGE D'UN ACIDE**
[72] GILLESPIE, KEVIN C., US
[72] FORD, ZACHARY PATRICK, US
[72] COHEN FREUE, GUILLERMO J., US
[71] ISOPURE, CORP., US
[85] 2019-09-20
[86] 2018-03-22 (PCT/US2018/023888)
[87] (WO2018/175811)
[30] US (62/474,920) 2017-03-22

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/04 (2012.01)**
[25] EN
[54] **CONSUMER RESPONSE INTELLIGENT SPEND PREDICTION SYSTEM**
[54] **SYSTEME INTELLIGENT DE PREDICTION DE DEPENSES DE REPONSE DE CONSOMMATEUR**
[72] ROSS, STEPHEN, US
[72] HILDERMAN, VANCE, US
[72] CARR, RYAN, US
[72] BROWNE, TOM, US
[71] LOYALTY VISION CORPORATION, US
[85] 2019-09-20
[86] 2018-03-22 (PCT/US2018/023894)
[87] (WO2018/175814)
[30] US (62/475,061) 2017-03-22

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[13] A1
[51] **Int.Cl. A23L 15/00 (2016.01) A23L 5/10 (2016.01) A23P 30/20 (2016.01) A23L 7/109 (2016.01) A21C 11/16 (2006.01)**
[25] EN
[54] **EGG FOOD PRODUCT AND METHOD OF MAKING AN EGG FOOD PRODUCT**
[54] **PRODUIT ALIMENTAIRE A BASE D'OEUF ET PROCEDE DE PREPARATION D'UN PRODUITALIMENTAIRE A BASE D'OEUF**
[72] JOHNS, PEGGY, D., US
[72] AMUNDSON, STEVE, US
[71] ROSE ACRE FARMS, INC., US
[71] JOHNS, PEGGY, D., US
[85] 2019-09-20
[86] 2018-03-20 (PCT/US2018/023434)
[87] (WO2018/175497)
[30] US (62/473,676) 2017-03-20
[30] US (62/554,598) 2017-09-06

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[13] A1
[51] **Int.Cl. A61K 9/06 (2006.01) A61K 31/05 (2006.01) A61K 36/9066 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TREATING PERIODONTAL DISEASES**
[54] **COMPOSITIONS POUR LE TRAITEMENT DE MALADIES PARODONTALES**
[72] GROSS, ANDREW J., US
[72] MATIAS, CATALINA, US
[72] RIRIE, SHANE, US
[71] GR BIOSYSTEMS, INC., US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023469)
[87] (WO2018/175522)
[30] US (62/474,456) 2017-03-21

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR NOTIFYING CUSTOMERS OF AGENT'S AVAILABILITY**
[54] **PROCEDE ET APPAREIL DE NOTIFICATION D'UN CLIENT DE LA DISPONIBILITE D'UN AGENT**
[72] KANNAN, PALLIPURAM V., US
[71] [24]7.AI, INC., US
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/024129)
[87] (WO2018/175956)
[30] US (62/476,579) 2017-03-24
[30] US (15/933,305) 2018-03-22

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[13] A1
[51] **Int.Cl. E06C 7/18 (2006.01) E06C 7/50 (2006.01)**
[25] EN
[54] **LADDER SUPPORT ATTACHMENT**
[54] **ACCESSOIRE DE SUPPORT D'ECHELLE**
[72] ADAMS, JONATHAN CHRISTOPHER, US
[72] FRANKLIN, ROBERT L., US
[71] FORMETCO, INC., US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023473)
[87] (WO2018/175525)
[30] US (62/474,885) 2017-03-22

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[13] A1
[51] **Int.Cl. A01N 63/00 (2006.01) A61F 2/02 (2006.01) A61K 35/12 (2015.01)**
[25] EN
[54] **INJECTABLE CELL AND SCAFFOLD COMPOSITIONS**
[54] **COMPOSITIONS INJECTABLES ASSOCIANT CELLULES ET ECHAFAUDAGE**
[72] JAIN, DEEPAK, US
[72] BERTRAM, TIMOTHY A., KY
[71] JAIN, DEEPAK, US
[71] BERTRAM, TIMOTHY A., KY
[85] 2019-09-20
[86] 2018-03-26 (PCT/US2018/024353)
[87] (WO2018/183199)
[30] US (62/480,166) 2017-03-31

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/36 (2015.01)**
[25] EN
[54] **METHODS FOR HAIR FOLLICLE STEM CELL PROLIFERATION**
[54] **PROCEDES POUR LA PROLIFERATION DES CELLULES SOUCHES DES FOLLICULES PILEUX**
[72] LOOSE, CHRISTOPHER, US
[72] TAIT, BRADLEY, US
[72] MANCHANDA, RAJESH, US
[72] MCLEAN, WILL, US
[72] HARRISON, MEGAN S., US
[72] STRECKER, SARA, US
[71] FREQUENCY THERAPEUTICS, INC., US
[85] 2019-09-20
[86] 2018-04-11 (PCT/US2018/027054)
[87] (WO2018/191350)
[30] US (62/484,279) 2017-04-11
[30] US (62/620,709) 2018-01-23

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) B81B 1/00 (2006.01) G01N 1/28 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS FOR MICROFLUIDIC ANALYSIS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES D'ANALYSE MICROFLUIDIQUE**
[72] SHARTLE, ROBERT JUSTICE, US
[72] EDMONDSON, SHERB M., JR., US
[72] LARSON, BOB, US
[71] ABAXIS, INC., US
[85] 2019-09-20
[86] 2018-04-23 (PCT/US2018/028855)
[87] (WO2018/195530)
[30] US (62/488,377) 2017-04-21

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[13] A1
[51] **Int.Cl. A61K 38/46 (2006.01) A61P 19/08 (2006.01) C12Q 1/42 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING HYPOPHOSPHATASIA (HPP) IN ADULTS AND ADOLESCENTS**
[54] **METHODES DE TRAITEMENT DE L'HYPOPHOSPHATASIE (HPP) CHEZ L'ADULTE ET L'ADOLESCENT**
[72] MOSELEY, SCOTT EDWARD, US
[72] DENKER, ANDREW E., US
[72] PAN, WEI-JIAN, US
[71] ALEXION PHARMACEUTICALS, INC., US
[85] 2019-09-20
[86] 2018-03-29 (PCT/US2018/025206)
[87] (WO2018/183720)
[30] US (62/480,213) 2017-03-31
[30] US (62/502,255) 2017-05-05
[30] US (62/643,953) 2018-03-16

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[13] A1
[51] **Int.Cl. H04W 48/16 (2009.01) H04W 48/18 (2009.01)**
[25] EN
[54] **EXCHANGING A MESSAGE INCLUDING DRONE-COUPLED CAPABILITY INFORMATION BETWEEN A DRONE-COUPLED USER EQUIPMENT AND A COMPONENT OF A TERRESTRIAL WIRELESS COMMUNICATION SUBSCRIBER NETWORK**
[54] **ECHANGE D'UN MESSAGE CONTENANT DES INFORMATIONS SUR DES CAPACITES COUPLEES A UN DRONE ENTRE UN EQUIPEMENT UTILISATEUR COUPLE AU DRONE ET UN COMPOSANT D'UN RESEAU D'ABONNES DE COMMUNICATIONS SANS FIL TERRESTRES**
[72] PHUYAL, UMESH, US
[72] RICO ALVARINO, ALBERTO, US
[72] ZISIMOPOULOS, HARIS, US
[72] KITAZOE, MASATO, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-09-20
[86] 2018-05-03 (PCT/US2018/030864)
[87] (WO2018/204623)
[30] US (62/501,054) 2017-05-03
[30] US (15/969,738) 2018-05-02

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[13] A1
[51] **Int.Cl. A61K 31/497 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING T CELL EXHAUSTION BY INHIBITING OR MODULATING T CELL RECEPTOR SIGNALING**
[54] **METHODES DE TRAITEMENT DE L'EPUISEMENT DES LYMPHOCYTES T PAR L'INHIBITION OU LA MODULATION DE LA SIGNALISATION DE RECEPTEURS DE LYMPHOCYTES T**
[72] LYNN, RACHEL, US
[72] MACKALL, CRYSTAL, US
[72] WEBER, EVAN, US
[72] MALHOTRA, SANJAY, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2019-09-20
[86] 2018-03-30 (PCT/US2018/025394)
[87] (WO2018/183842)
[30] US (62/479,930) 2017-03-31

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[13] A1
[51] **Int.Cl. A46B 5/02 (2006.01) A46B 5/00 (2006.01) A46B 15/00 (2006.01)**
[25] EN
[54] **ORAL CARE IMPLEMENT**
[54] **USTENSILE DE SOINS BUCCO-DENTAIRES**
[72] JIMENEZ, EDUARDO J., US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2019-09-20
[86] 2018-05-31 (PCT/US2018/035254)
[87] (WO2018/222786)
[30] US (29/606,133) 2017-06-01
[30] US (29/606,137) 2017-06-01
[30] US (29/606,140) 2017-06-01
[30] US (15/807,852) 2017-11-09

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 10/10 (2012.01)**
[25] EN
[54] **MODEL TRAINING METHOD AND APPARATUS BASED ON DATA SHARING**
[54] **PROCEDE ET APPAREIL D'APPRENTISSAGE DE MODELE BASES SUR UNE PARTAGE DE DONNEES**
[72] ZHAO, PEILIN, CN
[72] ZHOU, JUN, CN
[72] LI, XIAOLONG, CN
[72] LI, LONGFEI, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-20
[86] 2018-07-30 (PCT/US2018/044404)
[87] (WO2019/027915)
[30] CN (201710650740.3) 2017-08-02

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[13] A1
[51] **Int.Cl. G06T 19/20 (2011.01) G06T 15/20 (2011.01)**
[25] EN
[54] **SYSTEM, METHOD AND SOFTWARE FOR PRODUCING VIRTUAL THREE DIMENSIONAL IMAGES THAT APPEAR TO PROJECT FORWARD OF OR ABOVE AN ELECTRONIC DISPLAY**
[54] **SYSTEME, PROCEDE ET LOGICIEL DE PRODUCTION D'IMAGES TRIDIMENSIONNELLES VIRTUELLES QUI SEMBLENT PROJETER VERS L'AVANT OU AU-DESSUS D'UN AFFICHAGE ELECTRONIQUE**
[72] FREEMAN, RICHARD S., US
[72] HOLLINGER, SCOTT A., US
[71] MAXX MEDIA GROUP, LLC, US
[85] 2019-09-20
[86] 2018-04-05 (PCT/US2018/026345)
[87] (WO2018/187635)
[30] US (15/481,447) 2017-04-06

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[13] A1
[51] **Int.Cl. G01G 17/08 (2006.01) A01K 1/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **ANIMAL WEIGHING SYSTEM**
[54] **SYSTEME DE PESAGE D'ANIMAL**
[72] MITCHELL, WILLIAM, AU
[71] PLATINUM AGRIBUSINESS PTY LTD, AU
[85] 2019-09-23
[86] 2018-03-26 (PCT/AU2018/000045)
[87] (WO2018/170535)
[30] AU (2017901066) 2017-03-24

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[13] A1
[51] **Int.Cl. H01S 1/02 (2006.01) G02F 1/35 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN TERAHERTZ LASERS AND TERAHERTZ EXTRACTION**
[54] **AMELIORATIONS APPORTEES A DES LASERS TERAHERTZ ET A L'EXTRACTION TERAHERTZ**
[72] LEE, ANDREW, AU
[72] PASK, HELEN M., AU
[72] SPENCE, DAVID JAMES, AU
[71] MACQUARIE UNIVERSITY, AU
[85] 2019-09-23
[86] 2018-03-23 (PCT/AU2018/050271)
[87] (WO2018/170555)
[30] AU (2017901057) 2017-03-24

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[13] A1
[51] **Int.Cl. C07F 7/18 (2006.01) A61K 47/64 (2017.01) A61K 47/65 (2017.01) A61K 47/68 (2017.01) C07D 307/93 (2006.01)**
[25] EN
[54] **SYNTHESIS OF THAPSIGARGIN, NORTRILOBOLIDE, AND ANALOGS THEREOF**
[54] **SYNTHESE DE THAPSIGARGINE, NORTRILOBOLIDE ET LEURS ANALOGUES**
[72] EVANS, ANDREW P., CA
[72] CHEN, DEZHI, CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[85] 2019-09-23
[86] 2018-03-27 (PCT/CA2018/050369)
[87] (WO2018/176133)
[30] US (62/477,118) 2017-03-27

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/04 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATION OF AT LEAST ONE OUTPUT ANALYTIC FOR A PROMOTION**
[54] **PROCEDE ET SYSTEME DE GENERATION D'AU MOINS UNE ANALYSE DE SORTIE POUR UNE PROMOTION**
[72] KENG, BRIAN, CA
[72] ZHANG, FAN, CA
[72] PADMANABHAN, KANCHANA, CA
[71] RUBIKLOUD TECHNOLOGIES INC., CA
[85] 2019-09-23
[86] 2018-03-21 (PCT/CA2018/050338)
[87] (WO2018/170593)
[30] US (62/475,509) 2017-03-23

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[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 3/0482 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR PROVIDING USER ACCOUNTS THROUGH WHICH USERS ARE ABLE TO OPERATE COMPUTING DEVICES**
[54] **SYSTEME ET PROCEDE DE MISE EN PLACE DE COMPTES D'UTILISATEURS PAR L'INTERMEDIAIRE DESQUELS DES UTILISATEURS PEUVENT UTILISER DES DISPOSITIFS INFORMATIQUES**
[72] ISAAC, SHANE, AU
[71] TIPEME HOLDINGS PTY LTD, AU
[85] 2019-09-23
[86] 2018-03-26 (PCT/AU2018/050281)
[87] (WO2018/170560)
[30] AU (2017901071) 2017-03-24

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[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **RESOURCE INDICATING METHOD, APPARATUS, ACCESS NETWORK DEVICE, TERMINAL AND SYSTEM**
[54] **PROCEDE ET APPAREIL D'INDICATION DE RESSOURCE, DISPOSITIF DE RESEAU D'ACCES, TERMINAL ET SYSTEME**
[72] ZHANG, ZHI, CN
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS COPR., LTD., CN
[85] 2019-09-23
[86] 2017-03-24 (PCT/CN2017/078065)
[87] (WO2018/170878)

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[13] A1
[51] **Int.Cl. D03D 11/00 (2006.01) B63H 9/00 (2006.01) B64C 31/06 (2006.01) B64D 17/02 (2006.01) D06M 17/00 (2006.01)**
[25] EN
[54] **MULTI-LAYER BLADDER CONSTRUCT**
[54] **STRUCTURE DE VESSIE MULTICOUCHE**
[72] BERRANG, PETER G., CA
[71] EPIC VENTURES INC., CA
[85] 2019-09-23
[86] 2018-05-03 (PCT/CA2018/050529)
[87] (WO2018/213920)
[30] US (62/509,415) 2017-05-22

[21] **3,057,529**
[13] A1
[51] **Int.Cl. G01F 23/14 (2006.01) G01F 23/28 (2006.01)**
[25] EN
[54] **ADAPTIVE WATER LEVEL CONTROLS FOR WATER EMPTY OR FILL APPLICATIONS**
[54] **COMMANDES ADAPTATIVES DE NIVEAU D'EAU POUR APPLICATIONS DE VIDAGE OU DE REMPLISSAGE D'EAU**
[72] CHENG, ANDREW A., US
[72] RUFFO, MATT, US
[72] RUFF, JORDAN, US
[71] FLUID HANDLING LLC, US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023476)
[87] (WO2018/175527)
[30] US (62/474,233) 2017-03-21

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[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ADJUSTABLE AUTOMATED FORECASTS**
[54] **PROCEDE ET SYSTEME DE GENERATION DE PREVISIONS AUTOMATISEES AJUSTABLES POUR UNE PROMOTION**
[72] LAING, NEIL, CA
[72] AYOUB, WALEED, CA
[72] HABIB, IQBAL, CA
[72] MARK, MARTIN, CA
[71] RUBIKLOUD TECHNOLOGIES INC., CA
[85] 2019-09-23
[86] 2018-03-21 (PCT/CA2018/050340)
[87] (WO2018/170595)
[30] US (62/475,524) 2017-03-23

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[13] A1
[51] **Int.Cl. E06B 3/54 (2006.01) E05D 11/00 (2006.01) E06B 1/34 (2006.01) E06B 3/30 (2006.01)**
[25] EN
[54] **IMPROVED GLAZING FRAMING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ENCADREMENT DE VITRAGE AMELIORE**
[72] MEAKINS, BRETT, AU
[71] KYGEE PTY LTD, AU
[85] 2019-09-23
[86] 2018-04-05 (PCT/AU2018/050313)
[87] (WO2018/187834)
[30] AU (2017901311) 2017-04-10
[30] AU (2018900317) 2018-02-01

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04W 72/04 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TRANSMITTING UPLINK DEMODULATION REFERENCE SIGNAL**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE SIGNAL DE REFERENCE DE DEMODULATION DE LIAISON MONTANTE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-09-23
[86] 2017-03-23 (PCT/CN2017/077890)
[87] (WO2018/170842)

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[13] A1
[51] **Int.Cl. E21B 33/124 (2006.01) E21B 34/14 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **MULTI-ZONE SINGLE TRIP COMPLETION SYSTEM**
[54] **SYSTEME DE COMPLETION A ZONES MULTIPLES ET TRAJET UNIQUE**
[72] VAN PETEGEM, RONALD, US
[72] GREFF, JOHN, US
[72] IRELAND, KELLY, US
[71] PACKERS PLUS ENERGY SERVICES, INC., CA
[85] 2019-09-23
[86] 2018-04-10 (PCT/CA2018/000070)
[87] (WO2018/187854)
[30] US (62/483,742) 2017-04-10

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[13] A1
[51] **Int.Cl. G06N 99/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INTELLIGENTLY PROVIDING SUPPORTING INFORMATION USING MACHINE-LEARNING**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE FOURNIR DE MANIERE INTELLIGENTE DES INFORMATIONS DE SUPPORT AU MOYEN D'UN APPRENTISSAGE AUTOMATIQUE**
[72] LI, LI, CN
[72] PENG, XIAOYU, CN
[72] PAN, KEHUA, CN
[71] ORACLE INTERNATIONAL CORPORATION, US
[85] 2019-09-23
[86] 2017-03-28 (PCT/CN2017/078401)
[87] (WO2018/176215)

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[13] A1
[51] **Int.Cl. H04W 24/10 (2009.01)**
[25] EN
[54] **INTERFERENCE MEASUREMENT METHOD AND RELATED DEVICE**
[54] **PROCEDE DE MESURE D'INTERFERENCE ET DISPOSITIF ASSOCIE**
[72] ZHANG, LILI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-23
[86] 2017-05-05 (PCT/CN2017/083151)
[87] (WO2018/171006)
[30] CN (201710182073.0) 2017-03-24

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[13] A1
[51] **Int.Cl. C07D 303/16 (2006.01) C08L 67/04 (2006.01)**
[25] EN
[54] **HEAT RESISTANT POLYLACTIC ACID CONTINUOUS EXTRUSION FOAMING MATERIAL AND PREPARATION METHOD THEREFOR**
[54] **MATERIAU MOUSSANT D'EXTRUSION CONTINUE D'ACIDE POLYLACTIQUE RESISTANT A LA CHALEUR ET SON PROCEDE DE PREPARATION**
[72] WANG, XIONG, CN
[72] LI, PENG, CN
[72] CHEN, HUXIAO, CN
[72] LU, DAN, CN
[71] NINGBO HOMELINK ECO-ITECH CO., LTD., CN
[85] 2019-09-23
[86] 2018-05-10 (PCT/CN2018/086269)
[87] (WO2019/104946)
[30] CN (201711249187.9) 2017-12-01

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[13] A1
[51] **Int.Cl. A61K 31/4747 (2006.01) A61K 31/13 (2006.01) A61K 45/06 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **(+)-ALPHA-DIHYDROTETRABENAZINE FOR USE IN THE TREATMENT A MOVEMENT DISORDER**
[54] **(+)-ALPHA-DIHYDROTETRABENAZINE DESTINEE A UNE UTILISATION DANS LE TRAITEMENT D'UN TROUBLE DU MOUVEMENT**
[72] DUFFIELD, ANDREW JOHN, GB
[72] PANDYA, ANANT, GB
[71] ADEPTIO PHARMACEUTICALS LIMITED, GB
[85] 2019-09-23
[86] 2018-03-29 (PCT/EP2018/058069)
[87] (WO2018/178233)
[30] GB (1705301.8) 2017-04-01
[30] GB (1706816.4) 2017-04-28
[30] US (62/515,928) 2017-06-06
[30] US (62/515,937) 2017-06-06

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[13] A1
[51] **Int.Cl. B07C 5/04 (2006.01) B07C 5/342 (2006.01) G06T 7/60 (2017.01)**
[25] EN
[54] **SEED SORTING**
[54] **TRI DE GRAINES**
[72] BECKER, JENNIFER L., US
[72] BORROWMAN, ERIC L., US
[72] CEGLINSKI, JARRETT R., US
[72] CHAUDHARY, GOVIND, US
[72] DEPPERMANN, KEVIN L., US
[72] FAN, XIAOFEI, US
[72] KOHNE, JEFFREY L., US
[72] WHITE, BRAD D., US
[72] ZHANG, CHI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023528)
[87] (WO2018/175555)
[30] US (62/474,389) 2017-03-21

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[13] A1
[51] **Int.Cl. B29D 35/08 (2010.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING A MULTI-LAYERED SOLE DIRECTLY ON THE UPPER AND MACHINE OPERATING WITH SAID PROCESS**
[54] **PROCEDE DE FABRICATION D'UNE SEMELLE MULTICOUCHE DIRECTEMENT SUR LA TIGE ET MACHINE FONCTIONNANT AVEC LEDIT PROCEDE**
[72] SCOLARO, FILIPPO, IT
[71] SCOLARO, FILIPPO, IT
[85] 2019-09-23
[86] 2018-03-05 (PCT/EP2018/055269)
[87] (WO2018/177684)
[30] IT (102017000033305) 2017-03-27

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND WIRELESS COMMUNICATIONS APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE COMMUNICATION SANS FIL**
[72] XU, MINGHUI, CN
[72] ZHANG, XI, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-23
[86] 2018-03-23 (PCT/CN2018/080302)
[87] (WO2018/171742)
[30] CN (201710184785.6) 2017-03-24
[30] CN (201710685872.X) 2017-08-11

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[51] **Int.Cl. A61K 31/4747 (2006.01) A61K 45/06 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] DUFFIELD, ANDREW JOHN, GB
[72] PANDYA, ANANT, GB
[71] ADEPTIO PHARMACEUTICALS LIMITED, GB
[85] 2019-09-23
[86] 2018-03-29 (PCT/EP2018/058088)
[87] (WO2018/178243)
[30] GB (1705304.2) 2017-04-01
[30] GB (1705305.9) 2017-04-01
[30] GB (1705306.7) 2017-04-01
[30] US (62/515,930) 2017-06-06
[30] US (62/515,935) 2017-06-06
[30] US (62/515,940) 2017-06-06

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[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/50 (2006.01) A61K 9/51 (2006.01) A61K 9/56 (2006.01) A61K 9/58 (2006.01) C12N 5/16 (2006.01) C12N 5/22 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **ENCAPSULATED CELLS PRODUCING CYTOCHROME P450 AND METHODS OF USE THEREOF**
[54] **CELLULES ENCAPSULEES PRODUISANT DU CYTOCHROME P450 ET LEURS PROCEDES D'UTILISATION**
[72] WAGGONER, KENNETH L., US
[72] CRABTREE, GERALD W., US
[71] PHARMACYTE BIOTECH, INC., US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023553)
[87] (WO2018/175576)
[30] US (62/474,463) 2017-03-21

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[51] **Int.Cl. H04L 25/02 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **SIGNAL TRANSMISSION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE TRANSMISSION DE SIGNAL**
[72] SUN, YU, CN
[72] QIN, YI, CN
[72] LI, ZHONGFENG, CN
[72] ZHANG, LEIMING, CN
[72] DOU, SHENGYUE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-23
[86] 2018-03-24 (PCT/CN2018/080387)
[87] (WO2018/171783)
[30] CN (201710184763.X) 2017-03-24
[30] CN (201710814891.8) 2017-09-11

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[51] **Int.Cl. C07D 455/06 (2006.01) A61K 31/4353 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **(+)-ALPHA DIHYDROTETRABENAZINE SUCCINATE SALT**
[54] **SEL DE SUCCINATE DE (+)-ALPHA-DIHYDROTETRABENAZINE**
[72] DUFFIELD, ANDREW JOHN, GB
[72] PANDYA, ANANT, GB
[71] ADEPTIO PHARMACEUTICALS LIMITED, GB
[85] 2019-09-23
[86] 2018-03-29 (PCT/EP2018/058109)
[87] (WO2018/178251)
[30] GB (1705303.4) 2017-04-01

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **REFERENCE SIGNAL TRANSMISSION METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE TRANSMISSION DE SIGNAL DE REFERENCE**
[72] SUN, YU, CN
[72] QIN, YI, CN
[72] LI, ZHONGFENG, CN
[72] ZHANG, LEIMING, CN
[72] DOU, SHENGYUE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-23
[86] 2018-03-24 (PCT/CN2018/080397)
[87] (WO2018/171792)
[30] CN (201710184763.X) 2017-03-24
[30] CN (201710400977.6) 2017-05-31
[30] CN (201710444726.8) 2017-06-13

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[51] **Int.Cl. A61C 1/06 (2006.01) A61C 5/40 (2017.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CONTROLLING AN ENDODONTIC MOTOR**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE D'UN MOTEUR ENDODONTIQUE**
[72] PEDULLA, EUGENIO, IT
[71] PEDULLA, EUGENIO, IT
[85] 2019-09-23
[86] 2018-03-23 (PCT/EP2018/057405)
[87] (WO2018/172507)
[30] IT (102017000032045) 2017-03-23

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[51] **Int.Cl. G01R 31/26 (2014.01)**
[25] EN
[54] **THYRISTOR VALVE TEST SYSTEM BASED ON COOPERATION OF LOGICAL FUNCTIONS OF SOFTWARE**
[54] **SYSTEME DE TEST DE VALVE A THYRISTOR BASE SUR LA COOPERATION DE FONCTIONS LOGIQUES D'UN LOGICIEL**
[72] YANG, FAN, CN
[72] LIU, LEI, CN
[72] ZHANG, XIANG, CN
[72] ZHOU, CHEN, CN
[72] PAN, WEIMING, CN
[72] FANG, TAIXUN, CN
[71] NR ELECTRIC CO., LTD, CN
[85] 2019-09-23
[86] 2018-06-20 (PCT/CN2018/091974)
[87] (WO2019/011113)
[30] CN (201710555210.0) 2017-07-10

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[51] **Int.Cl. A61K 31/56 (2006.01) A61L 29/08 (2006.01) A61L 29/16 (2006.01) A61L 31/10 (2006.01)**
[25] EN
[54] **USE OF CSA COMPOUNDS TO PREVENT MICROBIAL BUILD-UP OR FOULING OF MEDICAL IMPLANTS**
[54] **UTILISATION DE COMPOSES CSA DESTINES A EMPECHER L'ACCUMULATION OU LA SALISSURE MICROBIENNES D'IMPLANTS MEDICAUX**
[72] GENBERG, CARL, US
[72] SAVAGE, PAUL B., US
[72] BRACKEN, RONALD, US
[71] BRIGHAM YOUNG UNIVERSITY, US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023571)
[87] (WO2018/175587)
[30] US (62/474,499) 2017-03-21
[30] US (15/926,577) 2018-03-20

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[51] **Int.Cl. B24C 1/00 (2006.01) B24C 3/32 (2006.01) B24C 11/00 (2006.01) H01H 9/02 (2006.01)**
[25] EN
[54] **RECONDITIONING WITH DRY ICE BLASTING, REMOTE CONTROL, AND DEVICE FOR INSERTION DURING THE RECONDITIONING OF THE REMOTE CONTROL**
[54] **REMISE EN ETAT AVEC UN NETTOYAGE CRYOGENIQUE, COMMANDE A DISTANCE ET DISPOSITIF DESTINE A ETRE UTILISE LORS DE LA REMISE EN ETAT DE LA COMMANDE A DISTANCE**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
[85] 2019-09-23
[86] 2018-04-03 (PCT/EP2018/058498)
[87] (WO2018/178398)
[30] DE (10 2017 107 030.3) 2017-03-31

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[51] **Int.Cl. B29C 45/00 (2006.01) B22D 19/12 (2006.01) B29C 45/16 (2006.01) E05D 7/00 (2006.01) E05D 7/12 (2006.01)**
[25] EN
[54] **IN MOLD ASSEMBLY OF TWO HINGES**
[54] **ENSEMBLE MOULE DE DEUX CHARNIERES**
[72] LINDBERG, BRAENDON, US
[72] PARPART, ROSS J., US
[71] MAGNA EXTERIORS INC., CA
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023589)
[87] (WO2018/175602)
[30] US (62/474,369) 2017-03-21

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[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/4162 (2006.01) A61K 31/506 (2006.01) A61K 31/5365 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTICANCER COMBINATION THERAPY**
[54] **POLYTHERAPIE ANTICANCEREUSE**
[72] RUDOLPH, DOROTHEA, DE
[72] RESCHKE, MARKUS, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2019-09-23
[86] 2018-04-04 (PCT/EP2018/058562)
[87] (WO2018/185135)
[30] EP (17165111.0) 2017-04-05
[30] EP (17197930.5) 2017-10-24

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[51] **Int.Cl. H02J 13/00 (2006.01) H02J 1/00 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **CENTRAL MANAGEMENT OF DC ENERGY DEVICES**
[54] **GESTION CENTRALE DE DISPOSITIFS D'ENERGIE A COURANT CONTINU**
[72] HOPKINS, DEREK, CA
[72] KHAN, NAJEEB, CA
[72] LIU, WILLY, CA
[72] WAGSTAFFE, GARY, CA
[72] MACKINNON, DAVID WAYNE, CA
[72] KEANE, ROBERT, CA
[71] ILLUMA-DRIVE INC., CA
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[86] 2018-03-23 (PCT/CA2018/050357)
[87] (WO2018/170606)
[30] US (62/476,377) 2017-03-24

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[51] **Int.Cl. B64C 29/00 (2006.01) B64C 27/16 (2006.01) B64C 27/24 (2006.01)**
[25] EN
[54] **VERTICAL TAKEOFF AND LANDING AIRCRAFT**
[54] **AERONEF A DECOLLAGE ET ATTERRISSAGE VERTICAUX**
[72] PAGE, MARK ALLAN, US
[72] MCCUE, MATTHEW ROBERT, US
[72] GODLASKY, ROBERT ANTHONY, US
[71] DZYNE TECHNOLOGIES INCORPORATED, US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023594)
[87] (WO2018/175606)
[30] US (62/474,858) 2017-03-22

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01)**
[25] EN
[54] **PRODUCTS AND COMPOSITIONS**
[54] **PRODUITS ET COMPOSITIONS**
[72] DAMES, SIBYLLE, DE
[72] SHAEPER, UTE, DE
[72] HAUPTMANN, JUDITH, DE
[72] FRAUENDORF, CHRISTIAN, DE
[72] BETHGE, LUCAS, DE
[72] WEINGARTNER, ADRIEN, DE
[71] SILENCE THERAPEUTICS GMBH, DE
[85] 2019-09-23
[86] 2018-04-05 (PCT/EP2018/058764)
[87] (WO2018/185240)
[30] EP (17165007.0) 2017-04-05
[30] EP (17201405.2) 2017-11-13

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[51] **Int.Cl. B09B 1/00 (2006.01) C04B 28/02 (2006.01) E02D 5/18 (2006.01) E02D 31/00 (2006.01)**
[25] EN
[54] **SEALING WALL BUILDING MATERIAL AND METHOD FOR PRODUCING A SEALING WALL BUILDING MATERIAL**
[54] **MATERIAU DE PAROI ETANCHE ET PROCEDE DE FABRICATION D'UN MATERIAU DE PAROI ETANCHE**
[72] IBUK, HURSIT, DE
[71] BAUER SPEZIALTIEFBAU GMBH, DE
[85] 2019-09-23
[86] 2018-04-20 (PCT/EP2018/060165)
[87] (WO2018/197354)
[30] EP (17168267.7) 2017-04-26

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[51] **Int.Cl. B29C 35/08 (2006.01) B29C 35/04 (2006.01) B29C 35/02 (2006.01)**
[25] EN
[54] **METHOD OF SHAPING A CURED THERMOSETTING RESIN**
[54] **PROCEDE DE MISE EN FORME D'UNE RESINE THERMODURCISSABLE DURCIE**
[72] ALBERTELLI, ALDINO, IE
[72] ZEDDA, ROBERTO, IE
[71] ACELL INDUSTRIES LIMITED, IE
[85] 2019-09-23
[86] 2018-03-26 (PCT/GB2018/050790)
[87] (WO2018/172799)
[30] GB (1704750.7) 2017-03-24

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[51] **Int.Cl. G02B 27/01 (2006.01) A45C 9/00 (2006.01)**
[25] EN
[54] **CONVERTIBLE SATCHEL WITH INTEGRATED HEAD-MOUNTED DISPLAY**
[54] **SACOCHE CONVERTIBLE AVEC AFFICHEUR FACIAL INTEGRE**
[72] HAINES, J. MICHELLE, US
[71] A BIG CHUNK OF MUD LLC, US
[85] 2019-09-20
[86] 2018-03-21 (PCT/US2018/023611)
[87] (WO2018/175620)
[30] US (62/475,107) 2017-03-22

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01)**
[25] EN
[54] **PRODUCTS AND COMPOSITIONS**
[54] **PRODUITS ET COMPOSITIONS**
[72] HAUPTMANN, JUDITH, DE
[72] SAMARSKY, DMITRY, DE
[72] FRAUENDORF, CHRISTIAN, DE
[71] SILENCE THERAPEUTICS GMBH, DE
[85] 2019-09-23
[86] 2018-04-05 (PCT/EP2018/058766)
[87] (WO2018/185241)
[30] EP (17165129.2) 2017-04-05
[30] GB (1707203.4) 2017-05-05
[30] GB (1708397.3) 2017-05-25
[30] EP (17201352.6) 2017-11-13

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 6/00 (2006.01)**
[25] EN
[54] **MULTIPLE MODALITY BODY COMPOSITION ANALYSIS**
[54] **ANALYSE DE COMPOSITION CORPORELLE A MODALITES MULTIPLES**
[72] WILSON, KEVIN E., US
[72] SHEPHERD, JOHN A., US
[72] NG, BENNETT K., US
[72] GUETERSLOH, MARK, US
[72] HUANG, CHAO, US
[72] KELLY, THOMAS L., US
[72] WANG, WEI, US
[72] WEISS, HOWARD, US
[71] HOLOGIC, INC., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-09-20
[86] 2018-03-22 (PCT/US2018/023817)
[87] (WO2018/183086)
[30] US (62/480,017) 2017-03-31

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[13] A1
[51] **Int.Cl. C07K 16/46 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **STABLE MULTISPECIFIC ANTIBODIES**
[54] **ANTICORPS MULTISPECIFIQUES STABLES**
[72] ZHUKOVSKY, EUGENE, FR
[72] LEGER, OLIVIER, FR
[72] MORSE, RICHARD J., FR
[71] BIOMUNEX PHARMACEUTICALS, FR
[85] 2019-09-23
[86] 2018-03-27 (PCT/EP2018/057819)
[87] (WO2018/178101)
[30] EP (17305353.9) 2017-03-27

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[13] A1
[51] **Int.Cl. A61K 31/711 (2006.01) A61K 38/29 (2006.01) A61K 45/06 (2006.01) A61P 19/08 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **MICRORNA 19A/19B FOR USE IN TREATING A PATHOLOGICAL CONDITION ASSOCIATED WITH BONE LOSS OR REDUCED MUSCLE FUNCTION**
[54] **MICRO-ARN 19A/19B DESTINE A ETRE UTILISE DANS LE TRAITEMENT D'UN ETAT PATHOLOGIQUE ASSOCIE A UNE PERTE OSSEUSE OU A UNE FONCTION MUSCULAIRE REDUITE**
[72] HESSE, ERIC, DE
[72] TAIPALEENMAKI, HANNA, DE
[72] SAITO, HIROAKI, DE
[71] UNIVERSITATSKLINIKUM HAMBURG-EPPENDORF, DE
[85] 2019-09-23
[86] 2018-04-06 (PCT/EP2018/058828)
[87] (WO2018/185270)
[30] LU (LU100182) 2017-04-06

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[13] A1
[51] **Int.Cl. A61K 31/10 (2006.01) A61K 31/325 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **AGENTS FOR INCREASING MEIBOMIAN GLAND LIPID SECRETION**
[54] **AGENTS PERMETTANT D'AUGMENTER LA SECRETION DES GLANDES LIPIDIQUE DE MEIBOMIUS**
[72] AMSELEM, SHIMON, IL
[72] ALSTER, YAIR, IL
[72] FRIEDMAN, DORON, IL
[72] RAFAELI, OMER, IL
[71] AZURA OPHTHALMICS LTD., IL
[85] 2019-09-23
[86] 2018-03-28 (PCT/IB2018/000415)
[87] (WO2018/178769)
[30] US (62/478,501) 2017-03-29

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[13] A1
[51] **Int.Cl. F25D 21/02 (2006.01) F25D 31/00 (2006.01)**
[25] EN
[54] **A COOLING BATH FOR COOLING A LIQUID**
[54] **BAIN DE REFROIDISSEMENT POUR REFROIDIR UN LIQUIDE**
[72] BEN-DAVID, JONATHAN, CN
[72] KIM, HEUNG SOON, CN
[71] WLI TRADING LIMITED, IE
[85] 2019-09-23
[86] 2018-04-12 (PCT/EP2018/059453)
[87] (WO2018/189329)
[30] GB (1705881.9) 2017-04-12

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[13] A1
[51] **Int.Cl. E21B 47/10 (2012.01) E21B 21/06 (2006.01)**
[25] EN
[54] **DETECTING TRACER BREAKTHROUGH FROM MULTIPLE WELLS COMMINGLED AT A GAS OIL SEPARATION PLANT**
[54] **DETECTION DE PERCEE DE TRACEUR A PARTIR DE MULTIPLES PUITS CONFONDUS AU NIVEAU D'UNE INSTALLATION DE SEPARATION PETROLE-GAZ**
[72] KOSYNKIN, DMITRY, SA
[72] ELLIS, ERIKA SHOEMAKER, SA
[72] ALASKAR, MOHAMMED, SA
[72] MASHAT, AFNAN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-09-20
[86] 2018-03-22 (PCT/US2018/023828)
[87] (WO2018/175763)
[30] US (62/475,685) 2017-03-23

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[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDES FOR THE TREATMENT OF STARGARDT DISEASE**
[54] **OLIGONUCLEOTIDES ANTISENS POUR LE TRAITEMENT DE LA MALADIE DE STARGARDT**
[72] YILMAZ-ELIS, ALIYE SEDA, NL
[72] ADAMSON, PETER, NL
[72] DULLA, KALYANA CHAKRAVARTHI, NL
[72] SCHULKENS, IRIS ANTOINETTE ERNESTINE, NL
[71] PROQR THERAPEUTICS II B.V., NL
[85] 2019-09-23
[86] 2018-04-13 (PCT/EP2018/059542)
[87] (WO2018/189376)
[30] GB (1706009.6) 2017-04-13

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[51] **Int.Cl. C01D 5/00 (2006.01) B01D 53/48 (2006.01) C01B 17/96 (2006.01) C04B 18/08 (2006.01) D21C 11/06 (2006.01)**
[25] EN
[54] **METHOD OF TREATING FLY ASH OF A RECOVERY BOILER**
[54] **PROCEDE DE TRAITEMENT DE CENDRES VOLANTES D'UNE CHAUDIERE DE RECUPERATION**
[72] SALMENOJA, KEIJO, FI
[72] METSAMUURONEN, NIKO, FI
[72] JOUTSIMO, MARJUKKA, FI
[72] REILAMA, ISMO, FI
[71] ANDRITZ OY, FI
[85] 2019-09-23
[86] 2018-04-26 (PCT/FI2018/050302)
[87] (WO2018/197753)
[30] FI (20175380) 2017-04-28

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[13] A1
[51] **Int.Cl. B29C 44/34 (2006.01) B29C 44/40 (2006.01) B29C 44/56 (2006.01) B01F 7/16 (2006.01) B01F 11/00 (2006.01) B29C 44/02 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD FOR HIGHLY FILLED URETHANE FOAMS**
[54] **PROCEDE DE FABRICATION DESTINE A DES MOUSSES D'URETHANE FORTEMENT CHARGEES**
[72] KOZLOWSKI, ERIC, US
[72] FINNERAN, MATTHEW, US
[72] CHAUVIN, RENE, CA
[71] MAGNA SEATING INC., CA
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/023943)
[87] (WO2018/175843)
[30] US (62/475,956) 2017-03-24
[30] US (62/538,245) 2017-07-28

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[13] A1
[51] **Int.Cl. F16L 1/16 (2006.01) F16L 1/20 (2006.01)**
[25] EN
[54] **ABANDONMENT AND RECOVERY SYSTEM FOR A SUBSEA PIPELINE**
[54] **SYSTEME D'ABANDON ET DE RECUPERATION POUR CANALISATION SOUS-MARINE**
[72] DE JONG, PIETER HILBRAND, NL
[72] HEEREMA, ELINE WILHELMINA, NL
[71] BLUEMARINE OFFSHORE YARD SERVICES B.V., NL
[85] 2019-09-23
[86] 2018-03-23 (PCT/NL2018/050182)
[87] (WO2018/174717)
[30] NL (2018569) 2017-03-23

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[51] **Int.Cl. B23K 11/16 (2006.01) B23K 11/06 (2006.01) B23K 11/34 (2006.01) B23K 31/00 (2006.01)**
[25] EN
[54] **WELD JOINT MANUFACTURING METHOD AND WELD JOINT**
[54] **PROCEDE DE FABRICATION DE JOINT SOUDE, ET JOINT SOUDE**
[72] ZENIYA, TASUKU, JP
[72] YASUYAMA, MASANORI, JP
[72] NAKAZAWA, YOSHIAKI, JP
[71] NIPPON STEEL CORPORATION, JP
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[30] JP (2017-067989) 2017-03-30

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[51] **Int.Cl. C12N 5/071 (2010.01) G01N 33/50 (2006.01)**
[25] EN
[54] **MACRO TISSUE EXPLANT, METHODS AND USES THEREFOR**
[54] **EXPLANT DE MACRO-TISSU, PROCEDES ET UTILISATIONS ASSOCIES**
[72] TRAVERSO, CARLO GIOVANNI, US
[72] VON ERLACH, THOMAS CHRISTIAN, US
[72] LANGER, ROBERT S., US
[72] SAXTON, SARAH, US
[72] MINAHAN, DANIEL, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE BRIGHAM AND WOMEN'S HOSPITAL, INC., US
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/023982)
[87] (WO2018/175861)
[30] US (62/476,181) 2017-03-24
[30] US (62/560,485) 2017-09-19

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[13] A1
[51] **Int.Cl. A01K 73/02 (2006.01) A01K 79/00 (2006.01)**
[25] EN
[54] **A PUMPING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE POMPAGE**
[72] HYSTAD, MAGNE, NO
[71] KARMOY WINCH AS, NO
[85] 2019-09-23
[86] 2018-03-23 (PCT/NO2018/050086)
[87] (WO2018/174723)
[30] NO (20170485) 2017-03-24

[21] **3,057,580**
[13] A1
[51] **Int.Cl. C08L 21/00 (2006.01) C08K 5/11 (2006.01) C08K 5/1515 (2006.01) C08K 5/29 (2006.01) C08K 5/35 (2006.01) C08K 5/42 (2006.01) E21B 23/00 (2006.01)**
[25] EN
[54] **RUBBER COMPOSITION FOR DOWNHOLE TOOLS AND MEMBER FOR DOWNHOLE TOOLS**
[54] **COMPOSITION DE GOMME POUR OUTILS DE FORAGE ET ELEMENT POUR OUTILS DE FORAGE**
[72] KOBAYASHI, FUMINORI, JP
[72] KOBAYASHI, TAKUMA, JP
[72] SAIJO, HIKARU, JP
[71] KUREHA CORPORATION, JP
[85] 2019-09-23
[86] 2018-03-22 (PCT/JP2018/011365)
[87] (WO2018/216334)
[30] JP (2017-103910) 2017-05-25

[21] **3,057,581**
[13] A1
[51] **Int.Cl. E21B 37/06 (2006.01) C09K 8/52 (2006.01) C09K 8/54 (2006.01) C23F 11/04 (2006.01) E21B 41/02 (2006.01) E21B 43/40 (2006.01) F16L 58/04 (2006.01)**
[25] EN
[54] **MITIGATING CORROSION OF CARBON STEEL TUBING AND SURFACE SCALING DEPOSITION IN OILFIELD APPLICATIONS**
[54] **ATTENUATION DE LA CORROSION D'UNE COLONNE DE PRODUCTION EN ACIER AU CARBONE ET D'UN DEPOT D'ECAILLAGE DE SURFACE DANS DES APPLICATIONS DE CHAMP PETROLIFERE**
[72] WANG, QIWEI, SA
[72] CHEN, TAO, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/023983)
[87] (WO2018/175862)
[30] US (62/476,163) 2017-03-24

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[13] A1
[51] **Int.Cl. C07D 241/18 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 241/20 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 471/10 (2006.01) C07D 491/107 (2006.01) C07D 498/10 (2006.01)**
[25] EN
[54] **NOVEL HETEROCYCLIC DERIVATIVES USEFUL AS SHP2 INHIBITORS**
[54] **NOUVEAUX DERIVES HETEROCYCLIQUES UTILES EN TANT QU'INHIBITEURS DE SHP2**
[72] MA, CUNBO, CN
[72] GAO, PANLIANG, CN
[72] HU, SHAOJING, CN
[72] XU, ZILONG, CN
[72] HAN, HUIFENG, CN
[72] WU, XINPING, CN
[72] KANG, DI, CN
[71] JACOBIO PHARMACEUTICALS CO., LTD., CN
[85] 2019-09-23
[86] 2018-03-23 (PCT/IB2018/051973)
[87] (WO2018/172984)
[30] IB (PCT/IB2017/051690) 2017-03-23

[21] **3,057,583**
[13] A1
[51] **Int.Cl. B66B 7/06 (2006.01) B66B 7/02 (2006.01) B66B 11/04 (2006.01)**
[25] EN
[54] **SUSPENSION AND LIFT MOTOR SYSTEMS FOR A PLURALITY OF ELEVATOR CABS AND COUNTERWEIGHTS THAT MOVE INDEPENDENTLY OF EACH OTHER IN DIFFERENT SECTIONS OF A HOISTWAY**
[54] **SYSTEMES DE SUSPENSION ET A MOTEUR DE LEVAGE DESTINES A UNE PLURALITE DE CABINES D'ASCENSEUR ET DE CONTREPOIDS QUI SE DEPLACENT INDEPENDAMMENT LES UNS DES AUTRES DANS DIFFERENTESSECTIONS D'UNE CAGE D'ASCENSEUR**
[72] JACOBS, JUSTIN (DECEASED), US
[71] SMART LIFTS, LLC, US
[85] 2019-09-23
[86] 2017-03-24 (PCT/US2017/024144)
[87] (WO2017/165847)
[30] US (15/081,741) 2016-03-25

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[13] A1
[51] **Int.Cl. H04W 48/16 (2009.01) H04L 25/03 (2006.01)**
[25] EN
[54] **NR BROADCAST CHANNEL TRANSMISSION**
[54] **TRANSMISSION DE CANAL DE DIFFUSION NR**
[72] GROVLEN, ASBJORN, SE
[72] SAHLIN, HENRIK, SE
[72] WANG, JIANFENG, CN
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-09-23
[86] 2018-03-21 (PCT/SE2018/050287)
[87] (WO2018/174796)
[30] CN (PCT/CN2017/078102) 2017-03-24

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[13] A1
[51] **Int.Cl. C22B 21/00 (2006.01) C22C 1/02 (2006.01) C22C 21/06 (2006.01)**
[25] EN
[54] **CASTING RECYCLED ALUMINUM SCRAP**
[54] **MOULAGE DE DECHETS D'ALUMINIUM RECYCLES**
[72] WAGSTAFF, ROBERT BRUCE, US
[72] WAGSTAFF, SAMUEL R., US
[72] DAS, SAZOL KUMAR, US
[72] BARKER, SIMON WILLIAM, US
[72] FELBERBAUM, MILAN, US
[72] KAMAT, RAJEEV G., US
[72] BENDZINSKI, DUANE E., US
[71] NOVELIS INC., US
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/024010)
[87] (WO2018/175876)
[30] US (62/475,489) 2017-03-23

[21] **3,057,586**
[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4155 (2006.01) A61K 31/437 (2006.01)**
[25] EN
[54] **NOVEL PYRROLOPYRIDINE COMPOUND, METHOD FOR PREPARING THE SAME, AND USE THEREOF**
[54] **NOUVEAU DERIVE DE PYRROLOPYRIDINE, SON PROCEDE DE PRODUCTION ET SON UTILISATION**
[72] KIM, BONG JIN, KR
[72] LEE, ILL YOUNG, KR
[72] KIM, JAE HAK, KR
[72] SHIN, HONG SUK, KR
[72] SON, JONG CHAN, KR
[72] LEE, CHONG-KYO, KR
[72] KIM, KYUNGJIN, KR
[72] KIM, UK-IL, KR
[72] NAM, HWA JUNG, KR
[71] ST PHARM CO., LTD., KR
[85] 2019-09-23
[86] 2017-03-24 (PCT/KR2017/003194)
[87] (WO2018/174320)

[21] **3,057,587**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) G01S 15/89 (2006.01) G06T 15/00 (2011.01) G10K 11/34 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE HANDHELD ULTRASOUND**
[54] **DISPOSITIF A ULTRASONS PORTATIF A HAUTE PERFORMANCE**
[72] NIKOOZADEH, AMIN, US
[72] CHOE, JUNG WOO, US
[72] CRACIUN, STEFAN, US
[71] VAVE HEALTH, INC., US
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/024059)
[87] (WO2018/175905)
[30] US (15/467,656) 2017-03-23
[30] US (15/470,793) 2017-03-27
[30] US (15/470,798) 2017-03-27
[30] US (15/470,700) 2017-03-27

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[13] A1
[51] **Int.Cl. A61K 31/485 (2006.01) C07D 489/00 (2006.01) C07D 489/02 (2006.01) C07D 489/04 (2006.01)**
[25] EN
[54] **HYDROCODONE BASE AND METHODS FOR ITS PURIFICATION**
[54] **BASE D'HYDROCODONE ET PROCEDES DE PURIFICATION DE CELLE-CI**
[72] CARDOT, JESSICA, US
[72] SASINE, JOSHUA, US
[72] NICHOLS, PAUL, US
[71] NORAMCO, INC., US
[85] 2019-09-23
[86] 2018-03-27 (PCT/IB2018/052103)
[87] (WO2018/178879)
[30] US (62/477,035) 2017-03-27

[21] **3,057,589**
[13] A1
[51] **Int.Cl. G16B 20/10 (2019.01) G16B 30/00 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **COPY NUMBER VARIANT CALLER**
[54] **APPELANT DE VARIANTE DE NOMBRE DE COPIES**
[72] HAAS, KEVIN R., US
[72] WANG, XIN, US
[72] GRAUMAN, PETER V., US
[71] MYRIAD WOMEN'S HEALTH, INC., US
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/024062)
[87] (WO2018/175907)
[30] US (62/476,361) 2017-03-24

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[13] A1
[51] **Int.Cl. A61K 47/61 (2017.01) A61K 47/69 (2017.01) A61P 27/02 (2006.01)**
[25] EN
[54] **SUSTAINED RELEASE DELIVERY SYSTEMS COMPRISING TRACELESS LINKERS**
[54] **SYSTEMES D'ADMINISTRATION A LIBERATION PROLONGEE COMPRENANT DES LIEURS SANS TRACE**
[72] ADAMS, CHRISTOPHER M., US
[72] APRIL, MYRIAM, US
[72] FAZAL, TANZINA, US
[72] FORSTER, CORNELIA JUTTA, US
[72] HALL, EDWARD CHARLES, US
[72] LEE, CAMERON CHUCK-MUNN, US
[71] NOVARTIS AG, CH
[85] 2019-09-23
[86] 2018-04-19 (PCT/IB2018/052740)
[87] (WO2018/193408)
[30] US (62/487,888) 2017-04-20

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A23L 33/10 (2016.01) A61K 31/437 (2006.01) A61K 31/5377 (2006.01)**
[25] EN
[54] **PYRROLO-PYRIDINE DERIVATIVE COMPOUND, METHOD FOR PREPARING SAME, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME AS ACTIVE INGREDIENT FOR PREVENTION OR TREATMENT OF PROTEIN KINASE-RELATED DISEASES**
[54] **COMPOSE DERIVE DE PYRROLO-PYRIDINE, SON PROCEDE DE PREPARATION ET COMPOSITION PHARMACEUTIQUE LE CONTENANT EN TANT QUE PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE MALADIES ASSOCIEES A LA PROTEINE KINASE**
[72] CHOI, HWAN GEUN, KR
[72] KO, EUNHWA, KR
[72] CHO, JOONG-HEUI, KR
[72] SON, JUNG BEOM, KR
[72] KO, YI KYUNG, KR
[72] PARK, JIN-HEE, KR
[72] KIM, SO YOUNG, KR
[72] KANG, SEOCK YONG, KR
[72] LEE, SEUNGYEON, KR
[72] RYU, HEE YOON, KR
[72] KIM, NAM DOO, KR
[72] KIM, SANG BUM, KR
[72] LEE, SUN-HWA, KR
[72] KIM, DAYEA, KR
[72] LEE, SUN JOO, KR
[72] CHO, SUNGCHAN, KR
[72] LEE, KYU-SUN, KR
[72] YU, KWEON, KR
[72] CHOI, MIRI, KR
[72] KOO, JA WOOK, KR
[72] HOE, HYANG-SOOK, KR
[71] DAEGU-GYEONGBUK MEDICAL INNOVATION FOUNDATION, KR
[71] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY, KR
[71] DAEGU GYEONGBUK INSTITUTE OF SCIENCE AND TECHNOLOGY, KR
[85] 2019-09-23
[86] 2018-03-23 (PCT/KR2018/003459)
[87] (WO2018/174650)
[30] KR (10-2017-0036845) 2017-03-23

[21] **3,057,592**
[13] A1
[51] **Int.Cl. B63B 35/44 (2006.01) B63B 27/00 (2006.01) E21B 15/02 (2006.01) E21B 19/02 (2006.01)**
[25] EN
[54] **VERTICAL LIFT ROTARY TABLE**
[54] **TABLE ROTATIVE A LEVAGE VERTICAL**
[72] ROPER, RICHARD ROBERT, US
[72] STEWART, CHRISTOPHER SCOTT, US
[71] ENSCO INTERNATIONAL INCORPORATED, US
[85] 2019-09-20
[86] 2018-03-23 (PCT/US2018/024125)
[87] (WO2018/175952)
[30] US (62/475,848) 2017-03-23

[21] **3,057,593**
[13] A1
[51] **Int.Cl. B62D 35/00 (2006.01)**
[25] EN
[54] **END OF TRAILER FAIRING FOR IMPROVED AERODYNAMIC PERFORMANCE**
[54] **EXTREMITE DE CARENAGE DE REMORQUE POUR DES PERFORMANCES AERODYNAMIQUES AMELIOREES**
[72] PAN, CHINGLIN, US
[72] BRADLEY, CALVIN RHETT, US
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2019-09-23
[86] 2017-04-29 (PCT/US2017/030297)
[87] (WO2018/200007)

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[13] A1
[51] **Int.Cl. B60J 10/32 (2016.01) B60J 10/34 (2016.01) B60J 10/70 (2016.01)**
[25] FR
[54] **GLAZING COMPRISING A PROFILED BEAD FOR CLIPPING ON A CLIP-ON COVER PART**
[54] **VITRAGE COMPRENANT UN CORDON PROFILE DE CLIPAGE POUR UNE PIECE DE COUVERTURE CLIPABLE**
[72] DE PAOLI, MARTIAL, FR
[72] LAMOUREUX, LAURENT, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-09-20
[86] 2018-03-29 (PCT/FR2018/050762)
[87] (WO2018/178572)
[30] FR (1752692) 2017-03-30

[21] **3,057,595**
[13] A1
[51] **Int.Cl. C12N 9/90 (2006.01) C12N 9/12 (2006.01) C12N 15/52 (2006.01) C12P 19/02 (2006.01) C12P 19/24 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PRODUCING TAGATOSE AND METHOD OF PRODUCING TAGATOSE USING THE SAME**
[54] **COMPOSITION POUR LA PRODUCTION DE TAGATOSE ET PROCEDE DE PRODUCTION DE TAGATOSE LA METTANT EN OEUVRE**
[72] LEE, YOUNG MI, KR
[72] PARK, IL HYANG, KR
[72] YANG, SUNG JAE, KR
[72] CHO, HYUN KUG, KR
[72] SHIN, SUN MI, KR
[72] KIM, SEONG BO, KR
[72] LEE, CHAN-HYOUNG, KR
[71] CJ CHEILJEDANG CORPORATION, KR
[85] 2019-09-23
[86] 2018-03-30 (PCT/KR2018/003769)
[87] (WO2018/182355)
[30] KR (10-2017-0042166) 2017-03-31
[30] KR (10-2017-0111494) 2017-08-31
[30] KR (10-2017-0158766) 2017-11-24

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[13] A1
[51] **Int.Cl. B60J 10/32 (2016.01) B60J 10/34 (2016.01) B60J 10/70 (2016.01)**
[25] FR
[54] **GLAZING COMPRISING A CLIP-ON PROFILED BEAD FOR A CLIP-ON COVER PART**
[54] **VITRAGE COMPRENANT UN CORDON PROFILE DE CLIPAGE POUR UNE PIECE DE COUVERTURE CLIPABLE**
[72] DE PAOLI, MARTIAL, FR
[72] LAMOUREUX, LAURENT, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-09-20
[86] 2018-03-29 (PCT/FR2018/050763)
[87] (WO2018/178573)
[30] FR (1752692) 2017-03-30

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[13] A1
[51] **Int.Cl. A45D 34/04 (2006.01) A45D 34/00 (2006.01) A45D 37/00 (2006.01) A61M 35/00 (2006.01) B65D 47/42 (2006.01)**
[25] EN
[54] **MULTI-PURPOSE TOUCH FREE APPLICATOR WITH RESERVOIR**
[54] **APPLICATEUR SANS CONTACT MULTI-USAGE AVEC RESERVOIR**
[72] SAMANGOOIE, CASEY, US
[71] CASEMED ENGINEERING, US
[85] 2019-09-23
[86] 2017-06-12 (PCT/US2017/037066)
[87] (WO2018/222213)
[30] US (62/514,042) 2017-06-02

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[13] A1
[51] **Int.Cl. B60G 11/00 (2006.01) B60G 9/00 (2006.01) B60G 15/00 (2006.01) B62D 55/104 (2006.01) F16F 1/00 (2006.01) F16F 3/00 (2006.01)**
[25] EN
[54] **SUSPENSION ASSEMBLY FOR A MACHINE**
[54] **ENSEMBLE DE SUSPENSIONS POUR UN VEHICULE**
[72] LABAN, CHRISTOPHER S., US
[72] THOMAS, JEFFREY L., US
[72] ROBERTS, DENNIS E., US
[71] CATERPILLAR INC., US
[85] 2019-09-23
[86] 2018-02-13 (PCT/US2018/017914)
[87] (WO2018/175015)
[30] US (15/467,581) 2017-03-23

[21] **3,057,599**
[13] A1
[51] **Int.Cl. C07D 273/04 (2006.01)**
[25] EN
[54] **NEW CATALYTIC SYSTEM FOR SCALABLE PREPARATION OF INDOXACARB**
[54] **NOUVEAU SYSTEME CATALYTIQUE POUR LA PREPARATION EVOLUTIVE D'INDOXACARB**
[72] VENKATARAMANA, RAJURI, IN
[72] BICIDI, JAYAPAL REDDY, IN
[72] PILLAI, BIJUKUMAR GOPINATHAN, IN
[72] MANNAM, SREEDEVI, IN
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2019-09-23
[86] 2018-03-27 (PCT/IL2018/050356)
[87] (WO2018/178982)
[30] IN (201731011147) 2017-03-29

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[13] A1
[51] **Int.Cl. A61F 2/42 (2006.01) A61B 17/72 (2006.01) A61F 2/30 (2006.01)**
[25] EN
[54] **CALCANEAL PROSTHESIS**
[54] **PROTHESE CALCANEENNE**
[72] WONG, KIAN-MING, US
[72] ROBINSON, CHRIS, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2019-09-23
[86] 2017-06-13 (PCT/US2017/037209)
[87] (WO2018/231202)

[21] **3,057,601**
[13] A1
[51] **Int.Cl. B60J 10/70 (2016.01)**
[25] FR
[54] **GLAZING COMPRISING AT LEAST ONE PROFILED BEAD FOR THE CONNECTION BETWEEN TWO WINDOWS AND WINDOW FOR SUCH A GLAZING**
[54] **VITRAGE COMPRENANT AU MOINS UN CORDON PROFILE POUR LA LIAISON ENTRE DEUX VITRES ET VITRE POUR UN TEL VITRAGE**
[72] DE PAOLI, MARTIAL, FR
[72] LAMOUREUX, LAURENT, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-09-20
[86] 2018-03-29 (PCT/FR2018/050764)
[87] (WO2018/178574)
[30] FR (1752694) 2017-03-30

[21] **3,057,602**
[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/17 (2006.01)**
[25] EN
[54] **SOFT TISSUE REPAIR INSTRUMENTS AND TECHNIQUES**
[54] **INSTRUMENTS ET TECHNIQUES DE REPARATION DE TISSU MOU**
[72] KORMAN, ZACHARY, US
[72] BRANTHOVER, LEWIS PEARCE, US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
[85] 2019-09-23
[86] 2017-06-30 (PCT/US2017/040278)
[87] (WO2019/005102)

[21] **3,057,603**
[13] A1
[51] **Int.Cl. G01N 21/3518 (2014.01)**
[25] EN
[54] **DETERMINING GAS CONCENTRATION NEAR PLANETARY SURFACES**
[54] **DETERMINATION DE CONCENTRATION DE GAZ A PROXIMITE DE SURFACES PLANETAIRES**
[72] GORDLEY, LARRY L., US
[71] G & A TECHNICAL SOFTWARE, INC., US
[85] 2019-09-23
[86] 2018-04-27 (PCT/US2018/000114)
[87] (WO2018/203934)
[30] US (15/583,312) 2017-05-01

[21] **3,057,604**
[13] A1
[51] **Int.Cl. B60J 10/70 (2016.01)**
[25] FR
[54] **GLAZING COMPRISING A SINGLE PROFILED BEAD FOR THE CONNECTION BETWEEN TWO WINDOWS AND WINDOW FOR SUCH A GLAZING**
[54] **VITRAGE COMPRENANT UN SEUL CORDON PROFILE POUR LA LIAISON ENTRE DEUX VITRES ET VITRE POUR UN TEL VITRAGE**
[72] DE PAOLI, MARTIAL, FR
[72] LAMOUREUX, LAURENT, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-09-20
[86] 2018-03-29 (PCT/FR2018/050765)
[87] (WO2018/178575)
[30] FR (1752696) 2017-03-30

[21] **3,057,605**
[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01) B60Q 3/208 (2017.01) F21V 8/00 (2006.01) F21V 33/00 (2006.01) G02B 6/00 (2006.01)**
[25] FR
[54] **ILLUMINATING GLAZING**
[54] **VITRAGE ECLAIRANT**
[72] HENNION, ALEXANDRE, FR
[72] BERARD, MATHIEU, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2019-09-20
[86] 2018-03-30 (PCT/FR2018/050792)
[87] (WO2018/178591)
[30] FR (1752762) 2017-03-31

[21] **3,057,606**
[13] A1
[51] **Int.Cl. F22B 37/00 (2006.01) G01N 27/90 (2006.01)**
[25] EN
[54] **POSITION-BASED SAMPLING FOR EDDY CURRENT INSPECTION OF STEAM GENERATOR TUBES**
[54] **ECHANTILLONNAGE SUR LA BASE DE LA POSITION DESTINE A L'INSPECTION DE TUBES DE GENERATEUR DE VAPEUR AU MOYEN DE COURANTS DE FOUCAULT**
[72] LICHAUER, JOHN C., US
[72] WOOD, DANIEL C., US
[72] NENNO, THOMAS W., US
[72] LE, QUI V., US
[72] FLANIGAN, KYLE M., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2019-09-23
[86] 2018-03-08 (PCT/US2018/021525)
[87] (WO2018/182942)
[30] US (62/478,226) 2017-03-29
[30] US (15/810,333) 2017-11-13

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[13] A1
[51] **Int.Cl. C22C 38/00 (2006.01) B23K 35/30 (2006.01) C22C 38/14 (2006.01) C22C 38/58 (2006.01)**
[25] EN
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[54] **TUYAU EN ACIER SOUDE PAR CORDON VERTICAL**
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[72] SHINOHARA, YASUHIRO, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] **DISPOSITIF ET PROCEDE DE LYOPHILISATION**
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[54] **DISPOSITIF D'INJECTION D'UN FLUIDE CRYOGENIQUE PAR LE BAS D'UN MELANGEUR**
[72] ALGOET, JO, BE
[72] BRANGEON, ALAIN, FR
[72] PICHOU, MICHEL, FR
[72] REYMOND, CHRISTIAN, FR
[71] AIR LIQUIDE FRANCE INDUSTRIE, FR
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[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE DONNEES AUDIO**
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[72] WHITE, STEPHEN DANIEL, US
[72] HOR, KING WEI, US
[72] GENOVA, BARRY M., US
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[54] **RENDEMENT CELLULAIRE POUR TEMOINS TISSULAIRES SYNTHETIQUES ET TEMOINS TISSULAIRES SYNTHETIQUES EN MICRORESEAUX**
[72] IMAM, SYED ASHRAF, US
[72] REES, MARK LEE, US
[71] SLMP, LLC, US
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[54] **METHODS OF USING GENETIC MARKERS ASSOCIATED WITH ENDOMETRIOSIS**
[54] **PROCEDES D'UTILISATION DE MARQUEURS GENETIQUES ASSOCIES A L'ENDOMETRIOSE**
[72] WARD, KENNETH, US
[72] CHETTIER, RAKESH N., US
[72] ALBERTSEN, HANS M., US
[71] JUNEAU BIOSCIENCES, L.L.C., US
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[54] **REGULATION DE DEBIT DE FLUIDE ET ADMINISTRATION PAR L'INTERMEDIAIRE DE MULTIPLES POMPES A FLUIDE**
[72] AMBROSINA, JESSE E., US
[72] POWERS, BENJAMIN G., US
[71] IVENIX, INC., US
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[54] **FORMULATION AND METHOD FOR DISSOLUTION OF METAL SULFIDES, INIHIBITION OF ACID GAS CORROSION, AND INHIBITION OF SCALE FORMATION**
[54] **FORMULATION ET PROCEDE DE DISSOLUTION DE SULFURES METALLIQUES, D'INHIBITION DE LA CORROSION PAR LES GAZ ACIDES, ET D'INHIBITION DE LA FORMATION DE CALAMINE**
[72] RODGERS, PATRICK JAMES, FR
[72] LUNDY, BRIAN, US
[72] RAMACHANDRAN, SUNDER, US
[72] POELKER, DAVID J., US
[72] OTT, JAMES D., US
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[54] **SYSTEME DE CAGE MOBILE POUR RESTAURER LA CINEMATIQUE DE MOUVEMENT DE LA COLONNE VERTEBRALE**
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[54] **SYSTEMES ET PROCEDES DE MESURE DE LA TEMPERATURE DU VERRE PENDANT LA CONVERSION DE TUBES**
[72] GAYLO, KEITH RAYMOND, US
[72] KLINGENSMITH, LEWIS KIRK, US
[72] MATUSICK, JOSEPH MICHAEL, US
[72] O'MALLEY, CONNOR THOMAS, US
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[54] **SYSTEMS, APPARATUSES AND METHODS FOR DEVICE PAIRING HAVING RANGE CONTROL AND UNINTENDED DEVICE COEXISTENCE DETECTION**
[54] **SYSTEMES, APPAREILS ET PROCEDES D'APPARIEMENT DE DISPOSITIFS COMPORTANT UNE COMMANDE DE PORTEE ET UNE DETECTION DE COEXISTENCE DE DISPOSITIF INVOLONTAIRE**
[72] ZHENG, PING, US
[72] VOGT, MARC CLIFFORD, US
[72] KASHEF, MOJTABA, US
[72] NGUYEN, TONY HAI, US
[72] SU, YI, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **SYSTEME ET PROCEDE PERMETTANT DE SCELLER DES JONCTIONS MULTILATERALES**
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[71] CONOCOPHILLIPS COMPANY, US
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[54] **PROCEDE D'ELIMINATION DES HUILES LOURDES DU REFLUX D'HUILES LEGERES**
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[72] CALDERON, MICHAEL J., US
[72] EMBRY, DALE L., US
[72] LARKIN, DAVID W., US
[72] MA, QI, US
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[54] **PROCEDE DE MODELISATION DE L'ANATOMIE HUMERALE ET OPTIMISATION DE LA CONCEPTION DE COMPOSANTS**
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[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[54] **GARROT AVEC ENSEMBLE BOUCLE TOURNANT**
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[72] JOHNSON, ROSS A., US
[72] HESTER, RICHARD A., US
[71] MORRIS, JOHN, US
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[54] **AGREGATION DE CANAL DANS UN MODE DE CODAGE ET DE MODULATION ADAPTATIF**
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[72] SUBRAMANIAM, BALA, US
[72] BHAT, SRI, US
[72] LASHER, BRANDON, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
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[54] **CLEANROOM WIPER AND METHOD FOR MAKING SAME**
[54] **CHIFFON POUR SALLE BLANCHE ET SON PROCEDE DE FABRICATION**
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[72] BARRIOS, ARMAND, US
[72] PISACANE, FRED, US
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[54] **METHODS FOR FORMING 1,3,5,7-TETRAALKYL-6-(2,4-DIMETHOXYPHENYL)-2,4,8-TRIOXA-6-PHOSPHAADAMANTANE**
[54] **PROCEDES DE FORMATION DE 1,3,5,7-TETRAALKYL-6-(2,4-DIMETHOXYPHENYL)-2,4,8-TRIOXA-6-PHOSPHAADAMANTANE**
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[72] BRIGGS, JOHN R., US
[72] CAMELIO, ANDREW M., US
[72] GRIGG, ROBERT DAVID, US
[72] TU, SIYU, US
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[54] **DISPOSITIF A ULTRASONS PORTATIF**
[72] DOYLE, THOMAS, FRANCIS, US
[72] HOELSCHER, THILO, US
[72] BRAILEAN, JAMES, US
[72] DIRNBACHER, MAXIMILLIAN, US
[72] VOIE, ARNE, US
[72] BANHAM, MARK, US
[72] SIMMA, BALAJI, US
[72] TOLA, JEFFRY, US
[71] BURL CONCEPTS, INC., US
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[51] **Int.Cl. A47J 43/12 (2006.01)**
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[54] **IMPROVED COMPRESSED GAS SUPPLY SYSTEM FOR MAKING WHIPPED CREAM**
[54] **SYSTEME D'ALIMENTATION EN GAZ COMPRIME AMELIORE POUR LA FABRICATION DE CREME FOUETTEE**
[72] GUO, QIONG, US
[72] CECULA, SHAWN M., US
[72] GERRISTEAD, WILLIAM R., US
[72] ZHU, HENG, CN
[71] PRAXAIR TECHNOLOGY, INC., US
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[30] US (62/475,300) 2017-03-23
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[25] EN
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[54] **VAPORISATEUR MEDICAL AVEC CARACTERISATION, MESURE ET/OU COMPENSATION DE GAZ VECTEUR**
[72] BOTTOM, DOUGLAS KIRK, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2019-09-23
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[51] **Int.Cl. A01K 67/027 (2006.01) A61P 25/28 (2006.01)**
[25] EN
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[54] **IRREGULARITES DE PROTEOGLYCANE DANS DES FIBROBLASTES ANORMAUX ET THERAPIES BASEES SUR CELLES-CI**
[72] BOTTINI, NUNZIO, US
[72] SANTELLI, EUGENIO, US
[72] SECCHI, CHRISTIAN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-09-23
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[54] **TOPICAL COMPOSITIONS AND METHODS OF TREATMENT**
[54] **COMPOSITIONS TOPIQUES ET METHODES DE TRAITEMENT**
[72] ROME, ZACHARY, US
[71] PATAGONIA PHARMACEUTICALS, LLC, US
[85] 2019-09-23
[86] 2018-03-26 (PCT/US2018/024261)
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[30] US (62/476,919) 2017-03-27

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[54] **REDUCING BETA-CATENIN EXPRESSION TO POTENTIATE IMMUNOTHERAPY**
[54] **DIMINUTION D'EXPRESSION DE BETA-CATENINE AFIN DE POTENTIALISER UNE IMMUNOTHERAPIE**
[72] GANESH, SHANTHI, US
[72] ABRAMS, MARC, US
[71] DICERNA PHARMACEUTICALS, INC., US
[85] 2019-09-23
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[30] US (62/477,783) 2017-03-28

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[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **NOVEL RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS RESTRICTING OFF-TARGET TRANSDUCTION IN LIVER AND USES THEREOF**
[54] **NOUVEAUX VECTEURS VIRAUX ADENO-ASSOCIES RECOMBINES LIMITANT LA TRANSDUCTION HORS CIBLE DANS LE FOIE ET LEURS UTILISATIONS**
[72] CAO, LEI, US
[72] HUANG, WEI, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2019-09-23
[86] 2018-03-26 (PCT/US2018/024305)
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[30] US (62/476,290) 2017-03-24

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[51] **Int.Cl. G01N 30/42 (2006.01) B01D 15/18 (2006.01)**
[25] EN
[54] **CONTINUOUS COUNTERCURRENT SPIRAL CHROMATOGRAPHY**
[54] **CHROMATOGRAPHIE EN SPIRALE CONTINUE A CONTRE-COURANT**
[72] SHINKAZH, OLEG, US
[72] FEDORENKO, DMITRIY, US
[71] CHROMATAN INC., US
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[86] 2018-03-28 (PCT/US2018/024823)
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[30] US (62/477,917) 2017-03-28

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[51] **Int.Cl. F25B 7/00 (2006.01) F25B 25/02 (2006.01)**
[25] EN
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[54] **PROCEDES, SYSTEMES ET DISPOSITIFS D'AMELIORATION DE CYCLE**
[72] GOLDFARBMUREN, RUSSELL, US
[72] ERICKSON, LUKE, US
[71] REBOUND TECHNOLOGIES, INC., US
[85] 2019-09-23
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[30] US (62/477,162) 2017-03-27
[30] US (15/935,005) 2018-03-25

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[25] EN
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[54] **DISPOSITIFS ET PROCEDES D'ADMINISTRATION DE MEDICAMENTS EN POUDRE SECHE**
[72] RICHARDSON, ERIC C., US
[72] MOTT, GILBERT S., JR., US
[72] ALEXANDER, WILLIAM JAMES, US
[71] CONCENTRX PHARMACEUTICALS, INC., US
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[30] US (62/477,506) 2017-03-28

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[51] **Int.Cl. A23B 4/044 (2006.01) A23B 4/048 (2006.01) A23B 4/052 (2006.01) A23B 4/056 (2006.01)**
[25] EN
[54] **SMOKER WITH SMOKE MANAGEMENT SYSTEM**
[54] **FUMOIR AVEC SYSTEME DE GESTION DE FUMEE**
[72] QIU, LIN, US
[71] MASTERBUILT MANUFACTURING, LLC, US
[85] 2019-09-23
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[51] **Int.Cl. A61M 25/10 (2013.01)**
[25] EN
[54] **MEDICAL DEVICES COMPRISING DETACHABLE BALLOONS AND METHODS OF MANUFACTURING AND USE**
[54] **DISPOSITIFS MEDICAUX COMPRENANT DES BALLONNETS DETACHABLES ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] FRANANO, F. NICHOLAS, US
[72] LOREE, HOWARD M. II, US
[72] RICHARDSON, J. SCOTT, US
[72] MURPHY, KIERAN, CA
[71] METACTIVE MEDICAL, INC., US
[85] 2019-09-23
[86] 2018-05-17 (PCT/US2018/033251)
[87] (WO2018/176064)
[30] US (62/553,705) 2017-09-01
[30] US (62/476,533) 2017-03-24
[30] US (62/623,287) 2018-01-29
[30] US (62/629,532) 2018-02-12

[21] **3,057,687**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY FOR CANCER USING ANTI-GITR ANTIBODIES**
[54] **POLYTHERAPIE POUR LE CANCER A L'AIDE D'ANTICORPS ANTI-GITR**
[72] BARBEE, SUSANNAH D., US
[72] BELLOVIN, DAVID, US
[72] BORGES, LUIS, US
[71] FIVE PRIME THERAPEUTICS, INC., US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025034)
[87] (WO2018/183608)
[30] US (62/479,569) 2017-03-31
[30] US (62/615,231) 2018-01-09

[21] **3,057,689**
[13] A1
[51] **Int.Cl. G01V 1/38 (2006.01)**
[25] EN
[54] **SEISMIC NODE DEPLOYMENT SYSTEM**
[54] **SYSTEME DE DEPLOIEMENT DE N□UDS SISMIQUES**
[72] SWINFORD, JOHN MCCAULEY, US
[72] DUDLEY, TIMOTHY A., US
[72] NAKKEN, PER BIRGER, NO
[72] BUCH, FREDRIK, NO
[71] ION GEOPHYSICAL CORPORATION, US
[85] 2019-09-23
[86] 2018-05-23 (PCT/US2018/034104)
[87] (WO2018/217872)
[30] US (62/509,922) 2017-05-23
[30] US (62/517,334) 2017-06-09

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[13] A1
[51] **Int.Cl. A46D 1/00 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT, ORAL CARE IMPLEMENT AND METHOD FOR MANUFACTURING SUCH HEAD**
[54] **TETE POUR INSTRUMENT DE SOINS BUCCAUX, INSTRUMENT DE SOINS BUCCAUX ET PROCEDE DE FABRICATION D'UNE TELLE TETE**
[72] TSCHOL, ARMIN, DE
[72] HEIL, BENEDIKT, DE
[72] SENTURK ANDERSSON, AYCAN, DE
[72] VENZKE, STEPHANIE, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025042)
[87] (WO2018/183611)
[30] EP (17164044.4) 2017-03-31

[21] **3,057,693**
[13] A1
[51] **Int.Cl. A46D 1/00 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT, ORAL CARE IMPLEMENT AND METHOD FOR MANUFACTURING SUCH HEAD**
[54] **TETE DESTINEE A UN INSTRUMENT D'HYGIENE BUCCALE, INSTRUMENT D'HYGIENE BUCCALE ET PROCEDE DE FABRICATION D'UNE TELLE TETE**
[72] TSCHOL, ARMIN, DE
[72] HEIL, BENEDIKT, DE
[72] SENTURK ANDERSSON, AYCAN, DE
[72] VENZKE, STEPHANIE, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025045)
[87] (WO2018/183614)
[30] EP (17164046.9) 2017-03-31

[21] **3,057,694**
[13] A1
[51] **Int.Cl. B65D 5/00 (2006.01) B65D 5/44 (2006.01)**
[25] EN
[54] **REINFORCED CONTAINER**
[54] **CONTENANT RENFORCE**
[72] DORMINEY, BRYAN KEITH, US
[72] PATTERSON, JAMES BRIAN, US
[71] GEORGIA-PACIFIC CORRUGATED LLC, US
[85] 2019-09-23
[86] 2018-06-11 (PCT/US2018/036818)
[87] (WO2018/231669)
[30] US (62/518,057) 2017-06-12

[21] **3,057,697**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01)**
[25] EN
[54] **ADSORPTIVE GAS SEPARATION PROCESS AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SEPARATION ADSORPTIVE DE GAZ**
[72] BOULET, ANDRE, CA
[72] KHIAVI, SOHEIL, CA
[71] INVENTYS THERMAL TECHNOLOGIES INC., CA
[85] 2019-09-24
[86] 2017-03-31 (PCT/CA2017/050393)
[87] (WO2017/165974)
[30] US (62/316,426) 2016-03-31

[21] **3,057,699**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/54 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **MULTI-STAGE ADSORPTIVE GAS SEPARATION PROCESS AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE SEPARATION DE GAZ PAR ADSORPTION A ETAGES MUTLIPLES**
[72] BOULET, ANDRE, CA
[72] KHIAVI, SOHEIL, CA
[71] INVENTYS THERMAL TECHNOLOGIES INC., CA
[85] 2019-09-24
[86] 2017-03-31 (PCT/CA2017/050394)
[87] (WO2017/165975)
[30] US (62/316,433) 2016-03-31

[21] **3,057,700**
[13] A1
[51] **Int.Cl. A46D 1/00 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT, ORAL CARE IMPLEMENT AND METHOD FOR MANUFACTURING SUCH HEAD**
[54] **TETE DESTINEE A UN ACCESSOIRE D'HYGIENE BUCCALE, ACCESSOIRE D'HYGIENE BUCCALE ET PROCEDE DE FABRICATION D'UNE TELLE TETE**
[72] TSCHOL, ARMIN, DE
[72] HEIL, BENEDIKT, DE
[72] SENTURK ANDERSSON, AYCAN, DE
[72] VENZKE, STEPHANIE, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025047)
[87] (WO2018/183616)
[30] EP (17164049.3) 2017-03-31

[21] **3,057,701**
[13] A1
[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/02 (2006.01) A61K 8/34 (2006.01) A61K 8/41 (2006.01) A61K 8/42 (2006.01) A61K 8/81 (2006.01) A61K 8/87 (2006.01) A61Q 5/12 (2006.01)**
[25] EN
[54] **PRODUCT COMPOSITION COMPRISING A DISCRETE PARTICLE AND AN AQUEOUS BASE COMPOSITION**
[54] **COMPOSITION DE PRODUIT COMPRENANT UNE PARTICULE DISCRETE ET UNE COMPOSITION DE BASE AQUEUSE**
[72] YOKOGI, JUNICHI, SG
[72] ZHU, XINHAO, SG
[72] SUNKEL, JORGE MAX, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-09-23
[86] 2018-04-13 (PCT/US2018/027407)
[87] (WO2018/191571)
[30] US (62/484,912) 2017-04-13
[30] US (62/484,915) 2017-04-13
[30] US (62/484,917) 2017-04-13
[30] US (62/484,918) 2017-04-13
[30] US (62/484,919) 2017-04-13
[30] US (62/484,920) 2017-04-13
[30] US (62/532,365) 2017-07-14
[30] US (62/532,366) 2017-07-14
[30] US (62/532,368) 2017-07-14
[30] US (62/532,369) 2017-07-14
[30] US (62/532,371) 2017-07-14
[30] US (62/532,372) 2017-07-14

[21] **3,057,703**
[13] A1
[51] **Int.Cl. A61K 8/04 (2006.01) A61K 8/72 (2006.01) A61Q 5/12 (2006.01)**
[25] EN
[54] **METHOD OF PREPARING A PRODUCT COMPOSITION COMPRISING A DISCRETE PARTICLE AND AN AQUEOUS BASE COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION DE PRODUIT COMPRENANT UNE PARTICULE DISCRETE ET UNE COMPOSITION DE BASE AQUEUSE**
[72] YOKOGI, JUNICHI, SG
[72] ZHU, XINHAO, SG
[72] SUNKEL, JORGE MAX, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-09-23
[86] 2018-04-13 (PCT/US2018/027408)
[87] (WO2018/191572)
[30] US (62/484,912) 2017-04-13
[30] US (62/484,915) 2017-04-13
[30] US (62/484,917) 2017-04-13
[30] US (62/484,918) 2017-04-13
[30] US (62/484,919) 2017-04-13
[30] US (62/484,920) 2017-04-13
[30] US (62/532,365) 2017-07-14
[30] US (62/532,366) 2017-07-14
[30] US (62/532,368) 2017-07-14
[30] US (62/532,369) 2017-07-14
[30] US (62/532,371) 2017-07-14
[30] US (62/532,372) 2017-07-14

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[13] A1
[51] **Int.Cl. A01K 61/13 (2017.01) A01K 63/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TREATING FISH**
[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE POISSONS**
[72] WIESMAN, RICHARD, US
[72] STEINGART, ROBERT, US
[72] HAGGERTY, MATTHEW, US
[72] PRZYBYLOWICZ, TIMOTHY, US
[72] FINSTADSVEEN, KARE, US
[71] FOSTER-MILLER, INC., US
[85] 2019-09-23
[86] 2018-04-17 (PCT/US2018/027948)
[87] (WO2018/195061)
[30] US (62/486,598) 2017-04-18
[30] US (15/954,887) 2018-04-17

[21] **3,057,706**
[13] A1
[51] **Int.Cl. E21B 10/46 (2006.01) E21B 10/567 (2006.01)**
[25] EN
[54] **SUPERABRASIVE CUTTERS FOR EARTH BORING BITS WITH MULTIPLE RAISED CUTTING SURFACES**
[54] **DISPOSITIFS DE COUPE SUPERABRASIFS POUR TREPANS DE FORAGE AYANT DE MULTIPLES SURFACES DE COUPE SURELEVEES**
[72] CUILLIER DE MAINDREVILLE, BRUNO, FR
[72] NEAL, PATRICIA ANN, US
[72] ALKHALAILEH, SAMER TAWFIQ, US
[71] VAREL INTERNATIONAL IND., L.L.C., US
[85] 2019-09-23
[86] 2018-04-24 (PCT/US2018/029025)
[87] (WO2018/231343)
[30] US (62/518,850) 2017-06-13

[21] **3,057,708**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01)**
[25] EN
[54] **ADSORPTIVE GAS SEPARATOR WITH REDUCED THERMAL CONDUCTIVITY**
[54] **SEPARATEUR DE GAZ ADSORBANT A CONDUCTIVITE THERMIQUE REDUITE**
[72] BOULET, ANDRE, CA
[72] KHIAVI, SOHEIL, CA
[71] INVENTYS THERMAL TECHNOLOGIES INC., CA
[85] 2019-09-24
[86] 2017-03-31 (PCT/CA2017/050395)
[87] (WO2017/165976)
[30] US (62/316,478) 2016-03-31

[21] **3,057,709**
[13] A1
[51] **Int.Cl. A46D 1/00 (2006.01) A46B 9/04 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT, ORAL CARE IMPLEMENT AND METHOD FOR MANUFACTURING SUCH HEAD**
[54] **TETE POUR UN INSTRUMENT DE SOINS BUCCAUX, INSTRUMENT DE SOINS BUCCAUX ET PROCEDE DE FABRICATION D'UNE TELLE TETE**
[72] TSCHOL, ARMIN, DE
[72] HEIL, BENEDIKT, DE
[72] SENTURK ANDERSSON, AYCAN, DE
[72] VENZKE, STEPHANIE, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025048)
[87] (WO2018/183617)
[30] EP (17164051.9) 2017-03-31

[21] **3,057,711**
[13] A1
[51] **Int.Cl. H02P 1/46 (2006.01) H02P 6/26 (2016.01) H02P 6/20 (2016.01)**
[25] EN
[54] **MULTISPEED ALTERNATING CURRENT MOTOR**
[54] **MOTEUR A COURANT ALTERNATIF A PLUSIEURS VITESSES**
[72] FLYNN, CHARLES J., US
[72] TRACY, COOPER N., US
[72] HUNTER, W. SCOTT, US
[72] NICHOLS, STEPHEN B., US
[71] QM POWER, INC., US
[85] 2019-09-23
[86] 2018-03-29 (PCT/US2018/025306)
[87] (WO2018/183783)
[30] US (62/478,588) 2017-03-29

[21] **3,057,713**
[13] A1
[51] **Int.Cl. C12N 9/28 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **ALPHA-AMYLASE COMBINATORIAL VARIANTS**
[54] **VARIANTS COMBINATOIRES D'ALPHA-AMYLASES**
[72] LASSILA, JONATHAN, US
[72] RAMER, SANDRA W., US
[71] DANISCO US INC, US
[85] 2019-09-23
[86] 2018-04-02 (PCT/US2018/025679)
[87] (WO2018/184004)
[30] US (62/479,726) 2017-03-31

[21] **3,057,714**
[13] A1
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/54 (2006.01) B01D 53/62 (2006.01) B01D 53/96 (2006.01)**
[25] EN
[54] **ADSORPTIVE GAS SEPARATION EMPLOYING STEAM FOR REGENERATION**
[54] **SEPARATION ADSORPTIVE DE GAZ UTILISANT DE LA VAPEUR POUR LA REGENERATION**
[72] BOULET, ANDRE, CA
[72] KHIAVI, SOHEIL, CA
[71] INVENTYS THERMAL TECHNOLOGIES INC., CA
[85] 2019-09-24
[86] 2017-03-31 (PCT/CA2017/050396)
[87] (WO2017/165977)
[30] US (62/316,486) 2016-03-31

[21] **3,057,715**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/12 (2006.01) A61K 39/385 (2006.01) A61K 39/39 (2006.01)**
[25] EN
[54] **PEPTIDE-BASED VACCINES, METHODS OF MANUFACTURING, AND USES THEREOF FOR INDUCING AN IMMUNE RESPONSE**
[54] **VACCINS A BASE DE PEPTIDES, PROCEDES DE FABRICATION ET UTILISATIONS DE CEUX-CI POUR INDUIRE UNE REPONSE IMMUNITAIRE**
[72] LYNN, GEOFFREY, US
[72] ISHIZUKA, ANDREW, US
[71] AVIDEA TECHNOLOGIES, INC., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2019-09-23
[86] 2018-04-04 (PCT/US2018/026145)
[87] (WO2018/187515)
[30] US (62/481,432) 2017-04-04
[30] US (62/617,519) 2018-01-15

[21] **3,057,716**
[13] A1
[51] **Int.Cl. C07D 405/12 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL FORMS OF AFATINIB DIMALEATE**
[54] **NOUVELLES FORMES DE DIMALEATE D'AFATINIB**
[72] MUELLER, RONALD, US
[71] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2019-09-23
[86] 2018-04-06 (PCT/US2018/026383)
[87] (WO2018/187643)
[30] US (62/482,546) 2017-04-06

[21] **3,057,717**
[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C07H 21/04 (2006.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **PLASMA DERIVED CELL-FREE MITOCHONDRIAL DEOXYRIBONUCLEIC ACID**
[54] **ACIDE DESOXYRIBONUCLEIQUE MITOCHONDRIAL ACELLULAIRE DERIVE DU PLASMA**
[72] KHAN, ANEAL, CA
[72] NEWELL, CHRISTOPHER, CA
[72] HUME, STACEY, CA
[72] GREENWAY, STEVEN, CA
[71] UTI LIMITED PARTNERSHIP, CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[85] 2019-09-24
[86] 2017-03-31 (PCT/CA2017/050405)
[87] (WO2017/165982)
[30] US (62/317,170) 2016-04-01

[21] **3,057,719**
[13] A1
[51] **Int.Cl. H01J 37/305 (2006.01)**
[25] EN
[54] **IMPROVEMENTS RELATING TO ADDITIVE LAYER MANUFACTURE USING CHARGED PARTICLE BEAMS**
[54] **AMELIORATIONS SE RAPPORTANT A LA FABRICATION DE COUCHES ADDITIVES A L'AIDE DE FAISCEAUX DE PARTICULES CHARGEES**
[72] VAN DEN BERG, JAKOB ALBERT, GB
[72] HUSSEY, MARTYN JAMES, GB
[72] LAIDLER, IAN, GB
[72] RICHARDSON, WILLIAM THOMAS, GB
[71] RELIANCE PRECISION LIMITED, GB
[85] 2019-07-12
[86] 2017-12-15 (PCT/GB2017/053760)
[87] (WO2018/109489)
[30] GB (1621508.9) 2016-12-16

[21] **3,057,720**
[13] A1
[51] **Int.Cl. G06T 7/20 (2017.01)**
[25] EN
[54] **UNUSUAL MOTION DETECTION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE DETECTION DE MOUVEMENT INHABITUEL**
[72] ALCOCK, NICHOLAS, CA
[72] LIPCHIN, ALEKSEY, CA
[72] RANDLETT, BRENNA, CA
[72] ALCANTARA, TULIO DE SOUZA, CA
[72] XIAO, XIAO, CA
[71] AVIGILON CORPORATION, CA
[85] 2019-09-24
[86] 2018-04-03 (PCT/CA2018/050404)
[87] (WO2018/176162)
[30] US (62/480,240) 2017-03-31
[30] US (62/590,498) 2017-11-24

[21] **3,057,721**
[13] A1
[51] **Int.Cl. A01F 11/00 (2006.01) A01D 46/02 (2006.01) B02C 17/00 (2006.01)**
[25] EN
[54] **HARVESTING TUMBLER**
[54] **CULBUTEUR DE RECOLTE**
[72] MCKELLAR, AARON, CA
[72] MCKELLAR, AMANDA, CA
[72] INGRAM, ERIK, CA
[72] KLOSSOK, RUDI, CA
[72] HEYWOOD, JOE, CA
[72] O'SULLIVAN, DAVID, CA
[71] ETEROS TECHNOLOGIES INC., CA
[85] 2019-09-24
[86] 2018-03-08 (PCT/CA2018/000052)
[87] (WO2018/176117)
[30] US (15/476,412) 2017-03-31

[21] **3,057,722**
[13] A1
[51] **Int.Cl. B60C 7/00 (2006.01) B60C 7/08 (2006.01) B60C 7/10 (2006.01)**
[25] EN
[54] **WHEEL COMPRISING A TIRE**
[54] **ROUE COMPRENANT UN PNEU**
[72] MESSINA, SALVATORE, CA
[72] FRIKHA, SLIM, CA
[72] DE WITTE, TIM, BE
[72] FAUVRE, MARC, BE
[72] VAN DE WIELE, HUGO, BE
[71] CAMSO INC., CA
[85] 2019-09-24
[86] 2018-03-05 (PCT/CA2018/050256)
[87] (WO2018/170583)
[30] US (62/476,370) 2017-03-24

[21] **3,057,723**
[13] A1
[51] **Int.Cl. G06T 15/20 (2011.01) G06T 19/20 (2011.01) G02B 27/22 (2018.01) G03B 35/08 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND SOFTWARE FOR PRODUCING LIVE VIDEO CONTAINING THREE-DIMENSIONAL IMAGES THAT APPEAR TO PROJECT FORWARD OF OR VERTICALLY ABOVE A DISPLAY**
[54] **SYSTEME, PROCEDE ET LOGICIEL DE PRODUCTION D'UNE SEQUENCE VIDEO EN DIRECT CONTENANT DES IMAGES TRIDIMENSIONNELLES SEMBLANT SE PROJETER VERS L'AVANT OU VERTICALEMENT AU-DESSUS D'UNDISPOSITIF D'AFFICHAGE**
[72] FREEMAN, RICHARD S., US
[72] HOLLINGER, SCOTT A., US
[71] MAXX MEDIA GROUP, LLC, US
[85] 2019-09-23
[86] 2018-04-06 (PCT/US2018/026389)
[87] (WO2018/187646)
[30] US (15/481,447) 2017-04-06
[30] US (15/665,423) 2017-08-01

[21] **3,057,724**
[13] A1
[51] **Int.Cl. B25B 27/06 (2006.01) F16B 39/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRELOADING A BEARING AND ALIGNING A LOCK NUT**
[54] **SYSTEMES ET PROCEDES DE PRECHARGEMENT DE PALIER ET D'ALIGNEMENT D'ECROU DE BLOCAGE**
[72] RODE, JOHN E., US
[72] TOWNES, MATTHEW, US
[71] TEMPER AXLE PRODUCTS CORPORATION, US
[85] 2019-09-23
[86] 2018-04-06 (PCT/US2018/026525)
[87] (WO2018/187729)
[30] US (15/482,389) 2017-04-07
[30] US (15/482,395) 2017-04-07
[30] US (15/482,413) 2017-04-07
[30] US (15/482,416) 2017-04-07

[21] **3,057,725**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04L 1/00 (2006.01) H04L 5/00 (2006.01) H04W 24/10 (2009.01)**
[25] EN
[54] **LINK RE-ESTABLISHMENT METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE RETABLISSEMENT DE LIAISON**
[72] LIU, KUNPENG, CN
[72] LI, XUERU, CN
[72] XUE, LIXIA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2019-09-24
[86] 2018-03-23 (PCT/CN2018/080346)
[87] (WO2018/171763)
[30] CN (201710184665.6) 2017-03-24

[21] **3,057,726**
[13] A1
[51] **Int.Cl. A01M 23/38 (2006.01) A01M 23/16 (2006.01)**
[25] EN
[54] **RAT CATCHING BOX**
[54] **BOITE DE CAPTURE DE SOURIS**
[72] ZHANG, JUNFENG, CN
[71] ZHANG, JUNFENG, CN
[85] 2019-09-24
[86] 2017-04-25 (PCT/CN2017/081846)
[87] (WO2018/195774)

[21] **3,057,727**
[13] A1
[51] **Int.Cl. C08L 3/02 (2006.01) B65D 33/16 (2006.01)**
[25] EN
[54] **BIODEGRADABLE POLYSTYRENE COMPOSITES AND USE THEREOF**
[54] **COMPOSITES DE POLYSTYRENE BIODEGRADABLES ET LEUR UTILISATION**
[72] ALLEN, DONALD R., US
[72] CARRELL, DONALD, US
[71] KWIK LOK CORPORATION, US
[85] 2019-09-23
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[54] **IMPROVED METHOD FOR PRODUCING A MOTOR VEHICLE BODY STRUCTURE COMPONENT**
[54] **PROCEDE AMELIORE DE FABRICATION DE COMPOSANT DE STRUCTURE DE CAISSE AUTOMOBILE**
[72] MULLER, ESTELLE, FR
[72] REBUFFET, OLIVIER, FR
[72] DELGRANGE, GUILLAUME, FR
[71] CONSTELLIUM NEUF-BRISACH, FR
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[54] **A COMMUNICATION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE MISE EN CORRESPONDANCE DE DEBIT DE CODE POLAIRE**
[72] CHEN, YING, CN
[72] ZHANG, GONGZHENG, CN
[72] HUANG, LINGCHEN, CN
[72] LI, RONG, CN
[72] ZHANG, HUAZI, CN
[72] LUO, HEJIA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **CHANNEL TRANSMISSION METHOD AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE CANAL ET DISPOSITIF DE RESEAU**
[72] WANG, TING, CN
[72] LIANG, JINYAO, CN
[72] DOU, SHENGYUE, CN
[72] LI, YUANJIE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD, CN
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[54] **WIRELESS CHARGING APPARATUS AND METHOD, AND DEVICE TO BE CHARGED**
[54] **APPAREIL ET PROCEDE DE CHARGE SANS FIL, ET DISPOSITIF A CHARGER**
[72] WAN, SHIMING, CN
[72] ZHANG, JIALIANG, CN
[72] LIN, SHANGBO, CN
[72] LI, JIADA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[25] FR
[54] **METHOD FOR PRODUCING A DRY PREFORM PRODUCED BY KNITTING, METHOD FOR MANUFACTURING A PRODUCT MADE OF COMPOSITE MATERIALS FROM SAID PREFORM**
[54] **PROCEDE DE REALISATION D'UNE PREFORME SECHE REALISEE PAR TRICOTAGE, PROCEDE DE FABRICATION D'UN PRODUIT EN MATERIAUX COMPOSITES A PARTIR DE LADITE PREFORME**
[72] CONZE, PIERRE, FR
[72] BRAVARD, JEROME, FR
[71] SAINT-GOBAIN PERFORMANCE PLASTICS FRANCE, FR
[85] 2019-09-24
[86] 2018-04-16 (PCT/FR2018/050954)
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[25] FR
[54] **METHOD FOR SIMULATING, ON A CONVENTIONAL COMPUTER, A QUANTUM CIRCUIT**
[54] **PROCEDE DE SIMULATION, SUR UN ORDINATEUR CLASSIQUE, D'UN CIRCUIT QUANTIQUE**
[72] ALLOUCHE, CYRIL, FR
[72] NGUYEN, MINH THIEN, FR
[71] BULL SAS, FR
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[86] 2018-03-19 (PCT/FR2018/000057)
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[54] **ANTI-INTERFERON GAMMA ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-INTERFERON GAMMA ET LEURS UTILISATIONS**
[72] KU, CHENG-LUN, CN
[72] SHIH, HAN-PO, CN
[72] LIN, CHIA-HAO, CN
[72] DING, JING-YA, CN
[72] HUANG, JING-YI, CN
[72] KUO, YI-TING, CN
[71] ELIXIRON IMMUNOTHERAPEUTICS (HONG KONG) LIMITED, CN
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[54] **LIVER X RECEPTORS (LXR) MODULATORS**
[54] **MODULATEURS DES RECEPTEURS HEPATIQUES X (LXR)**
[72] GEGE, CHRISTIAN, DE
[72] BIRKEL, MANFRED, DE
[72] HAMBRUCH, EVA, DE
[72] DEUSCHLE, ULRICH, DE
[72] KREMOSER, CLAUS, DE
[71] PHENEX-FXR GMBH, DE
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[25] FR
[54] **HEAT EXCHANGER COMPRISING CONNECTORS WITH SUPPORTS**
[54] **ECHANGEUR DE CHALEUR COMPRENANT DES CONNECTEURS AVEC SUPPORTS**
[72] FLIN, MATTHIEU, FR
[72] DUBET, OLIVIER, FR
[72] FAURE, RAPHAEL, FR
[72] DEL-GALLO, PASCAL, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[85] 2019-09-23
[86] 2018-03-16 (PCT/FR2018/050639)
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[25] EN
[54] **CONSTRUCTING BLOCKCHAIN WORLD STATE MERKLE PATRICIA TRIE SUBTREE**
[54] **CONSTRUCTION D'UN SOUS-ARBRE MERKLE-PATRICIA-TRIE D'ETAT DU MONDE DE CHAINE DE BLOCS**
[72] ZHANG, WENBIN, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-09-24
[86] 2019-03-04 (PCT/CN2019/076814)
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[25] EN
[54] **APPARATUS AND METHODS FOR PROCESSING AN AUDIO SIGNAL**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT D'UN SIGNAL AUDIO**
[72] GAMPP, PATRICK, DE
[72] UHLE, CHRISTIAN, DE
[72] DISCH, SASCHA, DE
[72] KARAMPOURNIOTIS, ANTONIOS, DE
[72] HAVENSTEIN, JULIA, DE
[72] HELLMUTH, OLIVER, DE
[72] HERRE, JURGEN, DE
[72] PROKEIN, PETER, DE
[71] FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **NOVEL CRYSTAL FORMS OF A POL1 INHIBITOR**
[54] **NOUVELLES FORMES CRISTALLINES D'UN INHIBITEUR DE POL1**
[72] HADDACH, MUSTAPHA, US
[71] PIMERA, INC., US
[85] 2019-09-23
[86] 2018-03-28 (PCT/US2018/024898)
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[25] EN
[54] **TRUSSED GIRDER FOR THE CONSTRUCTION INDUSTRY AND METHOD FOR PRODUCING A TRUSSED GIRDER OF THIS KIND**
[54] **POUTRE EN TREILLIS DESTINEE AU SECTEUR DE LA CONSTRUCTION ET PROCEDE DE FABRICATION D'UNE TELLE POUTRE EN TREILLIS**
[72] MIKIC, ERZAD, DE
[71] PERI GMBH, DE
[85] 2019-09-24
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[25] EN
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[54] **DOSAGE FONCTIONNEL RAPIDE ET A LA DEMANDE DE LA THROMBOCYTOPENIE INDUITE PAR L'HEPARINE**
[72] ALKHALFIOUI, FATIMA, FR
[72] GEORGE, FLORIAN, FR
[72] TOMER, AARON, IL
[72] ALLEMAND, FREDERIC, FR
[71] EMOSIS, FR
[85] 2019-09-24
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[25] EN
[54] **COMBINATION THERAPY WITH AN ANTI-CD25 ANTIBODY-DRUG CONJUGATE**
[54] **POLYTHERAPIE AVEC UN CONJUGUE ANTICORPS-MEDICAMENT ANTI-CD25**
[72] VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS, CH
[72] SKELTON, LISA, CH
[72] ZAMMARCHI, FRANCESCA, CH
[72] FEINGOLD, JAY MARSHALL, US
[72] WUERTHNER, JENS, CH
[72] HARTLEY, JOHN, GB
[71] ADC THERAPEUTICS SA, CH
[71] MEDIMMUNE LIMITED, GB
[85] 2019-09-24
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[30] GB (1706251.4) 2017-04-20
[30] GB (1706250.6) 2017-04-20
[30] GB (1706249.8) 2017-04-20
[30] GB (1706248.0) 2017-04-20
[30] GB (1706247.2) 2017-04-20
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[30] GB (1706245.6) 2017-04-20
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[25] EN
[54] **TOLCNDV RESISTANT MELON PLANTS**
[54] **PLANTS DE MELON RESISTANTS AU TOLCNDV**
[72] LIZARZABURU CHAVEZ, JUAN ANTONIO, ES
[72] SKONECZKA, JEFFREY, US
[72] BELLON, DONA DANIEL, ES
[71] NUNHEMS B.V., NL
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[30] EP (17167580.4) 2017-04-21
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[25] FR
[54] **METHOD FOR THE PURIFICATION OF RAW CARBON NANOTUBES**
[54] **PROCEDE DE PURIFICATION DE NANOTUBES DE CARBONE BRUTS**
[72] DARWICHE, ALI, CA
[72] DONTIGNY, MARTIN, CA
[72] KONDO, NAOYUKI, CA
[72] GUERFI, ABDELBAST, CA
[72] ZAGHIB, KARIM, CA
[72] BEAUSOLEIL, JULIEN, FR
[72] KORZHENKO, ALEXANDER, FR
[71] HYDRO-QUEBEC, CA
[71] ARKEMA FRANCE, FR
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[25] EN
[54] **TEXTILE HOSE**
[54] **GAINE TEXTILE**
[72] WYRWIS, BERND, DE
[72] PIWONSKI, TIMO, DE
[71] IPROTEX GMBH & CO. KG, DE
[85] 2019-09-24
[86] 2018-03-16 (PCT/EP2018/056678)
[87] (WO2018/177776)
[30] DE (10 2017 002 902.4) 2017-03-27

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[51] **Int.Cl. G01N 33/50 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **COMBINATION THERAPY**
[54] **POLYTHERAPIE**
[72] FEINGOLD, JAY MARSHALL, US
[72] VAN BERKEL, PATRICIUS HENDRIKUS CORNELIS, CH
[72] WUERTHNER, JENS, CH
[72] HARTLEY, JOHN, GB
[72] ZAMMARCHI, FRANCESCA, CH
[71] ADC THERAPEUTICS SA, CH
[71] MEDIMMUNE LIMITED, GB
[85] 2019-09-24
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[30] GB (1706261.3) 2017-04-20
[30] GB (1706260.5) 2017-04-20
[30] GB (1706259.7) 2017-04-20
[30] GB (1706258.9) 2017-04-20
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[54] **INSTRUMENT ELECTROCHIRURGICAL POUR ABLATION ET RESECTION**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] WHITE, MALCOLM, GB
[72] BURN, PATRICK, GB
[72] CLEGG, PETER, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2019-09-24
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[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/50 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01) C08G 65/26 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **POLYOL COMPONENTS AND USE THEREOF FOR THE PRODUCTION OF RIGID POLYURETHANE FOAMS**
[54] **COMPOSANTS POLYOL ET LEUR UTILISATION DANS LA FABRICATION DE MOUSSES POLYURETHANES RIGIDES**
[72] ZARBAKHSH, SIRUS, DE
[72] KLASSEN, JOHANN, DE
[72] ELBING, MARK, DE
[71] BASF SE, DE
[85] 2019-09-24
[86] 2018-03-23 (PCT/EP2018/057479)
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[54] **PROCESS FOR THE RECOVERY OF LITHIUM**
[54] **PROCEDE DE RECUPERATION DE LITHIUM**
[72] OOSTERHOF, HARALD, BE
[72] DUPONT, DAVID, BE
[72] DROUARD, WENDY, BE
[71] UMICORE, BE
[85] 2019-09-24
[86] 2018-03-26 (PCT/EP2018/057569)
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[51] **Int.Cl. F41H 5/04 (2006.01)**
[25] EN
[54] **BALLISTIC LAMINATE COMPRISING TEXTILE ELEMENTS IN WHICH BALLISTIC THREADS INTERSECT NON-BALLISTIC THREADS**
[54] **STRATIFIE BALISTIQUE COMPRENANT DES ELEMENTS TEXTILES DANS LESQUELS DES FILS BALISTIQUES CROISENT DES FILS NON BALISTIQUES**
[72] CITTERIO, GIORGIO, IT
[72] CITTERIO, FILIPPO, IT
[71] SOCIETA' PER AZIONI FRATELLI CITTERIO, IT
[85] 2019-09-24
[86] 2018-03-27 (PCT/EP2018/057821)
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[30] IT (102017000035710) 2017-03-31
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[51] **Int.Cl. F28F 7/02 (2006.01) F28D 9/00 (2006.01) F28F 9/02 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] HATFIELD, NIALL EDWARD, GB
[72] JONES, SIMON LLOYD, GB
[71] HIETA TECHNOLOGIES LIMITED, GB
[85] 2019-09-24
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[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **PD-L1 AND TA-MUC1 ANTIBODIES**
[54] **ANTICORPS PD-L1 ET TA-MUC1**
[72] KEHLER, PATRIK, DE
[72] GOLETZ, STEFFEN, DE
[72] DANIELCZYK, ANTJE, DE
[72] RUEHMANN, JOHANNA, DE
[72] GOLETZ, CHRISTOPH, DE
[71] GLYCOTOPE GMBH, DE
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[30] LU (LU100150) 2017-03-29
[30] EP (17171013.0) 2017-05-15

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[25] EN
[54] **METHODS FOR INCREASING GRAIN YIELD**
[54] **PROCEDES POUR AUGMENTER LE RENDEMENT DES GRAINS**
[72] DUAN, PENGGEN, CN
[72] XU, JINSONG, CN
[72] LI, YUNHAI, CN
[71] INSTITUTE OF GENETICS AND DEVELOPMENTAL BIOLOGY, CHINESE ACADEMY OF SCIENCES, CN
[85] 2019-09-24
[86] 2018-03-23 (PCT/GB2018/050761)
[87] (WO2018/172785)
[30] CN (PCT/CN2017/078137) 2017-03-24

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[51] **Int.Cl. A61K 31/7008 (2006.01) A61K 31/728 (2006.01) A61K 33/00 (2006.01) A61K 38/01 (2006.01) A61P 19/00 (2006.01)**
[25] EN
[54] **PHYSIOLOGICALLY ACTIVE COMPOSITION**
[54] **PREPARATION PHYSIOLOGIQUEMENT ACTIVE COMPRENANT DE LA N-ACETYL-GLUCOSAMINE POUR TRAITER DES DOULEURS DORSALES**
[72] SCHANTL, JOSEF, AT
[71] NATURAL PRODUCTS & DRUGS GMBH, AT
[85] 2019-09-24
[86] 2018-03-28 (PCT/EP2018/057910)
[87] (WO2018/178146)
[30] EP (17163233.4) 2017-03-28

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[13] A1
[51] **Int.Cl. A61B 5/021 (2006.01)**
[25] EN
[54] **NON-INVASIVE BLOOD PRESSURE MEASUREMENT**
[54] **MESURE NON EFFRACTIVE DE LA TENSION ARTERIELLE**
[72] QASEM, AHMAD, AU
[71] ATCOR MEDICAL PTY LTD, AU
[85] 2019-09-24
[86] 2018-04-03 (PCT/IB2018/052297)
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[30] US (62/485,128) 2017-04-13

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[51] **Int.Cl. A61K 38/21 (2006.01) A61K 31/7105 (2006.01) A61K 31/7115 (2006.01) C12N 15/67 (2006.01)**
[25] EN
[54] **PREVENTION AND TREATMENT OF NON-MELANOMA SKIN CANCER (NMSC)**
[54] **PREVENTION ET TRAITEMENT DE CANCER DE LA PEAU NON-MELANOME (NMSC)**
[72] MANDLER, MARKUS, AT
[72] SCHNEEBERGER, ACHIM, AT
[72] SCHMIDT, WALTER, AT
[72] MATTNER, FRANK, AT
[71] ACCANIS BIOTECH F&E GMBH & CO KG, AT
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[54] **WEED INACTIVATION DEVICE**
[54] **DISPOSITIF D'INACTIVATION DE PLANTES ADVENTICES**
[72] DE ANDRADE COUTINHO FILHO, SERGIO, BR
[72] ANTENOR POMILIO, JOSE, BR
[72] VALVERDE, BRUNO, BR
[72] TERUO MENDES DE SOUZA, DIEGO, BR
[71] ZASSO GROUP AG, CH
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[25] EN
[54] **A SURFACE SIZING COMPOSITION, METHOD OF PRODUCTION, AND USE THEREOF**
[54] **COMPOSITION D'ENCOLLAGE DE SURFACE, PROCEDE DE PRODUCTION ET UTILISATION DE CELLE-CI**
[72] LEPO, ANNELI, FI
[72] TURKKI, TARJA, FI
[72] TURUNEN, ELSI, FI
[71] KEMIRA OYJ, FI
[85] 2019-09-24
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[54] **IMMUNOGENIC COMPOSITION, USE AND METHOD OF TREATMENT**
[54] **COMPOSITION IMMUNOGENE, UTILISATION ET METHODE DE TRAITEMENT**
[72] COHET, CATHERINE, BE
[72] DEVASTER, JEANNE-MARIE JOSEPHINE, BE
[72] MAYHEW, DAVID, US
[72] MILLER, BRUCE, US
[72] TAL-SINGER, RUTH, US
[72] WEYNANTS, VINCENT, BE
[72] WILKINSON, THOMAS, GB
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
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[54] **PURIFICATION OF PHYCOBILIPROTEINS**
[54] **PURIFICATION DES PHYCOBILIPROTEINES**
[72] CAGNAC, OLIVIER, FR
[72] ATHANE, AXEL, FR
[72] DEMOL, JULIEN, FR
[71] FERMENTALG, FR
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[25] EN
[54] **NOVEL INHIBITORS**
[54] **NOUVEAUX INHIBITEURS**
[72] HEISER, ULRICH, DE
[72] HOFFMANN, TORSTEN, DE
[72] LUES, INGEBORG, DE
[72] MEYER, ANTJE, DE
[71] PROBIODRUG AG, DE
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[54] **SYSTEM AND METHODS FOR CONTROLLING PROCUREMENT PROCESS**
[54] **SYSTEME ET PROCEDES DE COMMANDE DE PROCESSUS D'APPROVISIONNEMENT**
[72] GASORE, ANICET, RW
[71] GASORE, ANICET, CA
[85] 2019-09-24
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[25] EN
[54] **CONSTRUCTIVE SYSTEM REGARDING A CAPACITIVE SENSOR**
[54] **SYSTEME DE CONSTRUCTION CONCERNANT UN CAPTEUR CAPACITIF**
[72] BAUER, ALBERTO, AE
[72] PERETTO, LORENZO, IT
[71] G&W ELECTRIC COMPANY, US
[85] 2019-09-24
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[54] **NETWORKED MICROPHONE DEVICE CONTROL**
[54] **COMMANDE DE DISPOSITIF DE MICROPHONE EN RESEAU**
[72] KUSANO, MIEKO, US
[72] WILBERDING, DAYN, US
[72] WENOCUR, JONATHAN, US
[72] LANG, JONATHAN, US
[71] SONOS, INC., US
[85] 2019-09-23
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[25] EN
[54] **SYNTHETIC RESIN CONTAINER**
[54] **RECIPIENT DE RESINE SYNTHETIQUE**
[72] NAGAHARU, RIKA, JP
[72] OKABE, KOUKI, JP
[72] UCHIYAMA, TAKESHI, JP
[72] ISHII, RYOUTA, JP
[71] TOYO SEIKAN CO., LTD., JP
[85] 2019-09-24
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[25] EN
[54] **STEEL MEMBER, HOT-ROLLED STEEL SHEET FOR STEEL MEMBER, AND PRODUCTION METHOD THEREFOR**
[54] **ELEMENT EN ACIER, TOLE D'ACIER LAMINEE A CHAUD DESTINEE A CET ELEMENT EN ACIER, ET PROCEDES DE PRODUCTION ASSOCIES**
[72] TOYODA, SHUNSUKE, JP
[72] SUGIMOTO, ICHIRO, JP
[72] KAWAMURA, SHUJI, JP
[71] JFE STEEL CORPORATION, JP
[85] 2019-09-24
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[25] EN
[54] **HEAT TREATMENT DEVICE**
[54] **DISPOSITIF DE TRAITEMENT THERMIQUE**
[72] YANO, AKIHISA, JP
[72] OKA, TATSUYA, JP
[72] AKITA, TAKAHITO, JP
[72] YAMAMOTO, TAIGA, JP
[72] SHIBUYA, HIDESHI, JP
[72] TAKEUCHI, YUSUKE, JP
[72] KAMATA, HIROYUKI, JP
[71] IHI CORPORATION, JP
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[25] EN
[54] **METHOD FOR PERFORMING ENCODING ON BASIS OF PARITY CHECK MATRIX OF LOW DENSITY PARITY CHECK (LDPC) CODE IN WIRELESS COMMUNICATION SYSTEM AND TERMINAL USING SAME**
[54] **PROCEDE POUR EFFECTUER UN CODAGE SUR LA BASE D'UNE MATRICE DE CONTROLE DE PARITE DE CODE DE CONTROLE DE PARITE A FAIBLE DENSITE (LDPC) DANS UN SYSTEME DE COMMUNICATION SANS FIL ET TERMINAL L'UTILISANT**
[72] BYUN, ILMU, KR
[72] SHIN, JONGWOONG, KR
[72] KIM, JINWOO, KR
[72] NOH, KWANGSEOK, KR
[72] KIM, BONGHOE, KR
[71] LG ELECTRONICS INC., KR
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[54] **THERAPEUTIC OR PROPHYLACTIC AGENT FOR PERIPHERAL NEUROPATHIES**
[54] **AGENT THERAPEUTIQUE OU PROPHYLACTIQUE POUR NEUROPATHIES PERIPHERIQUES**
[72] HARA, KOJIRO, JP
[72] SUZUKI, TOMOHIKO, JP
[72] YOSHIDA, CHIHIRO, JP
[72] TAKEO, KOJI, JP
[72] SHIMODA, KOJI, JP
[72] IZUMIMOTO, NAOKI, JP
[72] NISHIMURA, KAZUMI, JP
[72] NAGURO, RIEKO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2019-09-24
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[30] JP (2017-071339) 2017-03-31
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[54] **CAP ASSEMBLY FOR ENDOSCOPE**
[54] **ENSEMBLE CAPUCHON POUR ENDOSCOPE**
[72] EVELAND, RANDAL W., US
[72] ROBINSON, NANCY A., US
[72] LAZZARA, SARAH LYNN, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2019-09-24
[86] 2018-03-21 (PCT/US2018/023498)
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[25] EN
[54] **TABLETED MEDICINAL COMPOSITION COMPRISING NALFURAFINE**
[54] **COMPOSITION MEDICINALE EN COMPRIMES COMPRENANT DE LA NALFURAFINE**
[72] MINAKAMI, SATOSHI, JP
[72] TAKAKI, SUGURU, JP
[72] OHTA, KOTOE, JP
[72] HORIUCHI, YASUHIDE, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2019-09-24
[86] 2018-03-30 (PCT/JP2018/013684)
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[25] EN
[54] **IP6K INHIBITORS**
[54] **INHIBITEURS D'IP6K**
[72] TERAO, YOSHITO, JP
[72] TAKAHASHI, MASASHI, JP
[72] HARA, RYOMA, JP
[72] HIDAKA, KOUSUKE, JP
[72] FURUKAWA, HIDEKI, JP
[72] YAMASAKI, TAKESHI, JP
[72] KASAI, SHIZUO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[86] 2018-03-29 (PCT/JP2018/014502)
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[25] EN
[54] **CENTRALIZED SYSTEM FOR DISTRIBUTING OLFACTORY TRIGGERS FOR OVIPOSITIONING TO INSECT BREEDING ENCLOSURES**
[54] **SYSTEME CENTRALISE DE DISTRIBUTION DE DECLENCHEURS OLFACTIQUES D'OVIPOSITION A DES ENCEINTES D'ELEVAGE D'INSECTES**
[72] LEUSHUIS, RAYMOND, NL
[71] PROTIX B.V., NL
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[86] 2018-04-04 (PCT/NL2018/050208)
[87] (WO2018/186741)
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[25] EN
[54] **DUNNAGE CONVERSION MACHINE HAVING A VARIABLE SPACING FOR EXPANDABLE SLIT-SHEET STOCK MATERIAL**
[54] **MACHINE DE CONVERSION DE MATERIAU DE CALAGE AYANT UN ESPACEMENT VARIABLE POUR MATERIAU DE STOCK DE FEUILLES FENDUE EXTENSIBLE**
[72] CHEICH, ROBERT C., US
[72] WAGNER, DENNIS J., US
[71] RANPAK CORPORATION, US
[85] 2019-09-24
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[25] EN
[54] **CURABLE RESIN COMPOSITION, AND FUEL CELL AND SEALING METHOD USING THE SAME**
[54] **COMPOSITION DE RESINE POLYMERISABLE, PILE A COMBUSTIBLE L'UTILISANT ET PROCEDE D'ETANCHEITE**
[72] SOGA, TETSUNORI, JP
[72] FUKUMOTO, MASAYUKI, JP
[71] THREEBOND CO., LTD., JP
[85] 2019-09-24
[86] 2018-04-13 (PCT/JP2018/015517)
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[54] **METHODS AND COMPOSITIONS FOR STRAIGHTENING HAIR**
[54] **PROCEDES ET COMPOSITIONS SERVANT A LISSER DES CHEVEUX**
[72] SYED, ALI NAQI, US
[71] SALON COMMODITIES, INC., US
[85] 2019-09-24
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[25] EN
[54] **A POLY-OXYGENATED METAL HYDROXIDE COMPRISING A CLATHRATE THAT INCREASES OXYGEN LEVELS IN MAMMALIAN TISSUES**
[54] **HYDROXYE METALLIQUE POLY-OXYGENE CONTENANT UN CLATHRATE AUGMENTANT LE NIVEAU D'OXYGENE DANS DES TISSUS DE MAMMIFERES**
[72] BRUCE, ERICA D., US
[72] SAYES, CHRISTIE, US
[72] WOODMANSEE, JOHN W., US
[71] BAYLOR UNIVERSITY, US
[85] 2019-09-24
[86] 2017-03-29 (PCT/US2017/024717)
[87] (WO2017/172893)
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[25] EN
[54] **SOLUTION COMPRISING POLY-OXYGENATED METAL HYDROXIDE**
[54] **SOLUTION COMPRENANT UN HYDROXYDE METALLIQUE POLY-OXYGENE**
[72] BRUCE, ERICA D., US
[72] SAYES, CHRISTIE, US
[72] WOODMANSEE, JOHN W., JR., US
[71] BAYLOR UNIVERSITY, US
[85] 2019-09-24
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[25] EN
[54] **PIVOTING INTERNAL DISPLAY UNIT WITH FIXED SCREEN**
[54] **UNITE D'AFFICHAGE INTERNE PIVOTANTE A ECRAN FIXE**
[72] LECOMTE, ROMAIN CLAUDE ANDRE, US
[72] SIMONE, BRIAN ANDREW, US
[72] CARSWELL, SAMUEL A., US
[72] SARGEANT, STEVE B., US
[71] SYSTEMS AND SOFTWARE ENTERPRISES, LLC, US
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[25] EN
[54] **ANTI-AGE ANTIBODIES FOR TREATING NEURODEGENERATIVE DISORDERS**
[54] **ANTICORPS ANTI-AGE POUR LE TRAITEMENT DE TROUBLES NEURODEGENERATIFS**
[72] GRUBER, LEWIS S., US
[71] SIWA CORPORATION, US
[85] 2019-09-24
[86] 2017-04-14 (PCT/US2017/027773)
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[54] **POROUS NANOCOMPOSITES**
[54] **NANOCOMPOSITES POREUX**
[72] ABBAS, ABDENNOUR, US
[72] BROCKGREITENS, JOHN, US
[72] AHMED, SNOBER, US
[72] HEIDARI, FATEMEH, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
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[51] **Int.Cl. E21B 47/00 (2012.01) G01V 3/26 (2006.01) G01V 3/38 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVALUATING A FORMATION USING A STATISTICAL DISTRIBUTION OF FORMATION DATA**
[54] **SYSTEME ET PROCEDE D'EVALUATION D'UNE FORMATION A L'AIDE D'UNE DISTRIBUTION STATISTIQUE DE DONNEES DE FORMATION**
[72] DONG, WEIXIN, US
[72] WU, HSU-HSIANG, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-09-24
[86] 2017-05-08 (PCT/US2017/031604)
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[51] **Int.Cl. B01D 53/96 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **AMMONIA MEDIATED CARBON DIOXIDE (CO2) SEQUESTRATION METHODS AND SYSTEMS**
[54] **PROCEDES ET SYSTEMES DE SEQUESTRATION DE DIOXYDE DE CARBONE (CO2) A MEDIATION PAR AMMONIAC**
[72] CONSTANTZ, BRENT R., US
[72] SCHNEIDER, JACOB, US
[72] BEWERNITZ, MARK, US
[71] BLUE PLANET, LTD., US
[85] 2019-09-24
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[30] US (62/313,613) 2016-03-25
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[51] **Int.Cl. H04J 14/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR COHERENT PON ARCHITECTURE AND BURST-MODE RECEPTION**
[54] **SYSTEME ET PROCEDES POUR UNE ARCHITECTURE PON COHERENTE ET UNE RECEPTION EN MODE RAFALE**
[72] JIA, ZHENSHENG, US
[72] CAMPOS, LUIS ALBERTO, US
[72] KNITTLE, CURTIS DEAN, US
[71] CABLE TELEVISION LABORATORIES, INC., US
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[30] US (62/476,403) 2017-03-24

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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ANTI-PD-L1-ANTI-TIM-3 BISPECIFIC ANTIBODIES**
[54] **ANTICORPS BISPECIFIQUES ANTI-PD-L1-ANTI-TIM-3**
[72] D'ANGELO, IGOR EDMONDO PAOLO, CA
[72] LI, YIWEN, US
[72] LUDWIG, DALE LINCOLN, US
[72] SHEN, YANG, US
[72] ZHANG, YI, US
[71] ELI LILLY AND COMPANY, US
[71] ZYMEWORKS INC., CA
[85] 2019-09-24
[86] 2018-04-04 (PCT/US2018/026060)
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[30] US (62/484,025) 2017-04-11

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[25] EN
[54] **PROGRAMMABLE PLASMA IGNITION PLUG**
[54] **BOUGIE D'ALLUMAGE A PLASMA PROGRAMMABLE**
[72] MONROS, SERGE V., US
[71] MONROS, SERGE V., US
[85] 2019-09-24
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[54] **LIFT PLUNGERS WITH ELECTRODEPOSITED COATINGS, AND SYSTEMS AND METHODS FOR PRODUCING THE SAME**
[54] **PLONGEURS DE LEVAGE DOTES DE REVETEMENTS DEPOSES PAR ELECTRODEPOSITION, ET SYSTEMES ET PROCEDES DE PRODUCTION DE CEUX-CI**
[72] LOMASNEY, SAMUEL, US
[71] MODUMETAL, INC., US
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[54] **INTRAVENOUS ADMINISTRATION OF A SOLUTION COMPRISING POLY-OXYGENATED METAL HYDROXIDE**
[54] **ADMINISTRATION INTRAVEINEUSE D'UNE SOLUTION COMPRENANT UN HYDROXYDE METALLIQUE POLY-OXYGENE**
[72] BRUCE, ERICA D., US
[72] SAYES, CHRISTIE, US
[72] WOODMANSEE, JOHN W., JR., US
[71] BAYLOR UNIVERSITY, US
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[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ANTI-CD33 IMMUNOTHERAPY**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DU CANCER AVEC IMMUNOTHERAPIE ANTI-CD33**
[72] DIMITROV, DIMITER S., US
[72] ORENTAS, RIMAS, US
[72] SCHNEIDER, DINA, US
[72] DROPULIC, BORO, US
[72] ZHU, ZHONGYU, US
[71] LENTIGEN TECHNOLOGY, INC., US
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[54] **MACHINE D'EMBALLAGE**
[72] MCGREEVEY, JOHN, US
[72] WILLIAMS, THOMAS, US
[71] HEAT SEAL LLC, US
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[54] **ADJUSTABLE ILLUMINATORS AND METHODS FOR PHOTODYNAMIC THERAPY AND DIAGNOSIS**
[54] **ILLUMINATEURS REGLABLES ET PROCEDES DE THERAPIE PHOTODYNAMIQUE ET DIAGNOSTIC**
[72] BOYAJIAN, THOMAS, US
[72] CAROTA, MARK, US
[72] MAZEJKA, BRIAN, US
[72] LECCESE, MICHAEL, US
[71] DUSA PHARMACEUTICALS, INC., US
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[54] **METHODS AND COMPOSITIONS FOR REDUCTION OF IMMUNOGENICITY**
[54] **PROCEDES ET COMPOSITIONS POUR LA REDUCTION D'IMMUNOGENICITE**
[72] JOHNSON, JEFFREY C., US
[72] DEARTH, LAWRENCE, US
[72] HADJIVASSILIOU, HARALAMBOS, US
[72] SUN, JEONGHOON, US
[72] HARIHARAN, KANDASAMY, US
[71] CELGENE CORPORATION, US
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[54] **OUTILS D'ADMINISTRATION PAR VOIE NASALE, SYSTEMES ET METHODES D'UTILISATION**
[72] ROSENTHAL, MICHAEL H., US
[72] BARON, SCOTT J., US
[72] DOMECUS, BRIAN J., US
[72] MIRIZZI, MICHAEL S., US
[72] SALINAS, SERGIO, US
[71] SPIROX, INC., US
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[54] **ISOLATED LIFT ASSEMBLY FOR VEHICLE AUXILIARY SUSPENSION ARRANGEMENT**
[54] **ENSEMBLE DE LEVAGE ISOLE POUR AGENCEMENT DE SUSPENSION AUXILIAIRE DE VEHICULE**
[72] JOHNSON, MARC R., US
[71] SAF-HOLLAND, INC., US
[85] 2019-09-24
[86] 2018-03-26 (PCT/US2018/024327)
[87] (WO2018/183188)
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[54] **SECURE PACKAGE DELIVERY**
[54] **LIVRAISON SECURISEE DE COLIS**
[72] HILSLEY, ETHAN, GB
[72] HILSLEY, BARRINGTON, GB
[71] CYBASEAL, LTD., GB
[71] HILSLEY, ETHAN, GB
[71] HILSLEY, BARRINGTON, GB
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[54] **MOISTURE-RESPONSIVE FILMS**
[54] **FILMS SENSIBLES A L'HUMIDITE**
[72] KASPAR, ROGER L., US
[72] SPEAKER, TYCHO, US
[71] TRANSDERM, INC., US
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[54] **SMOKER OR GRILL ASH MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE CENDRES DE FUMOIR OU DE GRIL**
[72] TERRELL, ROBERT V., JR., US
[72] MERCER, DANIEL JOHN, US
[71] MASTERBUILT MANUFACTURING, LLC, US
[85] 2019-09-24
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[54] **RODENT GASSER WITH SELF-IGNITION SYSTEM AND METHOD OF USING THE SAME**
[54] **DISPOSITIF DE GAZAGE DE RONGEUR AYANT UN SYSTEME D'AUTO-ALLUMAGE ET PROCEDE D'UTILISATION DE CE DERNIER**
[72] HARDY, BRENT DAVID, US
[71] WOODSTREAM CORPORATION, US
[85] 2019-09-24
[86] 2018-03-26 (PCT/US2018/024359)
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[51] **Int.Cl. A61K 6/00 (2006.01)**
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[54] **POLYPHENOLS/PEG BASED HYDROGEL SYSTEM FOR A DENTAL VARNISH**
[54] **SYSTEME D'HYDROGEL A BASE DE POLYPHENOLS/PEG POUR VERNIS DENTAIRE**
[72] JHA, AMIT, US
[72] SIMONTON, THOMAS, US
[71] DENTSPLY SIRONA INC., US
[85] 2019-09-24
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[54] **QUINOLINE DERIVED SMALL MOLECULE INHIBITORS OF NICOTINAMIDE N-METHYLTRANSFERASE (NNMT) AND USES THEREOF**
[54] **INHIBITEURS A PETITES MOLECULES DERIVES DE QUINOLEINE DE LA NICOTINAMIDE N-METHYLTRANSFERASE (NNMT) ET LEURS UTILISATIONS**
[72] WATOWICH, STANLEY, US
[72] NEELAKANTAN, HARSHINI, US
[72] MCHARDY, STANTON, US
[72] WANG, HUA-YU, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **NOVEL FLOW FEATURES FOR SELF-CLEANING CONCENTRIC TUBULAR ELECTROCHEMICAL CELLS**
[54] **NOUVELLES CARACTERISTIQUES D'ECOULEMENT POUR DES CELLULES ELECTROCHIMIQUES TUBULAIRES CONCENTRIQUES AUTO-NETTOYANTES**
[72] GRIFFIS, JOSHUA, US
[72] LIANG, LI-SHIANG, US
[72] GREEN, ANDREW, GB
[72] BEDDOES, PAUL, GB
[71] EVOQUA WATER TECHNOLOGIES LLC, US
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[25] EN
[54] **APPARATUS TO PROTECT SEALING SURFACES OF THIEF HATCHES**
[54] **APPAREIL PERMETTANT DE PROTEGER DES SURFACES D'ETANCHEITE DE TROUS D'ECHANTILLONNAGE**
[72] BARTHA, ISTVAN, RO
[72] AMZA, CRISTIAN, RO
[72] HANCEANU, VLAD CRISTINEL, RO
[72] REBREANU, SILVIU VASILE, RO
[72] COCKERHAM, JOHN, US
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES TULSA, LLC., US
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[51] **Int.Cl. C25B 9/04 (2006.01) C02F 1/46 (2006.01) C02F 1/461 (2006.01) C02F 1/467 (2006.01) C25B 1/26 (2006.01)**
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[54] **INTERNAL ELECTRICAL CONNECTIONS FOR CONCENTRIC TUBULAR ELECTROCHEMICAL CELLS**
[54] **CONNEXIONS ELECTRIQUES INTERNES POUR CELLULES ELECTROCHIMIQUES TUBULAIRES CONCENTRIQUES**
[72] GREEN, ANDREW, GB
[72] GRIFFIS, JOSHUA, US
[72] LIANG, LI-SHIANG, US
[72] BEDDOES, PAUL, GB
[71] EVOQUA WATER TECHNOLOGIES LLC, US
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[54] **DEVICES AND METHODS FOR DIAGNOSIS OF SINUSITIS**
[54] **DISPOSITIFS ET PROCEDES DE DIAGNOSTIC DE LA SINUSITE**
[72] SKRABA, JOSEPH, US
[72] HAWKINS, ORIANA E., US
[72] RAJASEKARAN, MOHAN, US
[72] SZYMANSKI, AARON, US
[72] BAXI, RISHWA, US
[72] SEEBAUER, DAVID, US
[71] ENTVANTAGE DIAGNOSTICS, INC., US
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[51] **Int.Cl. H04L 9/08 (2006.01) H04L 9/06 (2006.01)**
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[54] **METHOD AND SYSTEM FOR HIERARCHICAL CRYPTOGRAPHIC KEY MANAGEMENT**
[54] **PROCEDE ET SYSTEME DE GESTION DE CLE CRYPTOGRAPHIQUE HIERARCHIQUE**
[72] PFANNENSCHMIDT, LARS, US
[72] ULLRICH, TOBIAS, US
[72] WISNIEWSKI, FRANK, US
[71] INTUIT INC., US
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[54] **METHOD FOR HIGH-THROUGHPUT GENOMIC DNA EXTRACTION**
[54] **PROCEDE D'EXTRACTION D'ADN GENOMIQUE A HAUT RENDEMENT**
[72] MURRAY, JESSICA ROBYN, US
[72] VAUGHAN, BRIAN, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-09-24
[86] 2018-03-27 (PCT/US2018/024425)
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[25] EN
[54] **VETERINARY COMPOSITIONS FOR USE IN TREATING MASTITIS, AND ASSOCIATED METHODS**
[54] **COMPOSITIONS VETERINAIRES DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE LA MASTITE, ET METHODES ASSOCIEES**
[72] BROWN, CHRISTINA LEE, US
[72] SHEEHAN, DEREK JAMES, US
[72] HEIMLICH, JOHN MARK, US
[72] FOSTER, TODD, US
[72] PRICE, JEFFREY ELLIS, US
[72] RAJAGOPALAN, SUMITRA, US
[72] THERRIEN, ALEXANDRE, US
[72] SUAREZ, OSCAR, US
[72] CUNNINGHAM, NICHOLAS FINN, US
[71] ZOETIS SERVICES LLC, US
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[30] US (62/487,601) 2017-04-20
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[54] **ALCALOIDES BERBERINE DANS LA PREVENTION ET/OU LE TRAITEMENT D'UNE MALADIE INTESTINALE**
[72] YU, DAVID XIANG, AU
[72] XIAO, ZHICHENG, AU
[72] POUTON, COLIN, AU
[72] HE, ZHIYONG, AU
[71] IRP HEALTH PTY LTD, AU
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[25] EN
[54] **PROCESS FOR RECOVERING ORGANICS FROM MATERIAL RECOVERY FACILITY FINES**
[54] **PROCEDE DE RECUPERATION DE MATIERES ORGANIQUES A PARTIR DE FINES D'INSTALLATION DE RECUPERATION DE MATERIAU**
[72] JOSSE, JUAN CARLOS, US
[72] BENEDEK, ANDREW, US
[71] ANAERGIA INC., CA
[85] 2019-09-25
[86] 2018-03-23 (PCT/CA2018/050358)
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[30] US (62/477,122) 2017-03-27

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[25] EN
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[54] **FORMULATIONS D'ACIDE 1-AMINO-1-CYCLOPROPANECABOXYLIQUE**
[72] SHARMA, PARVESH, US
[72] SASAKAWA, MITSUHIRO, US
[72] SILVERMAN, FRANKLIN PAUL, US
[72] BELKIND, BENJAMIN A., US
[71] VALENT BIOSCIENCES LLC, US
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[30] US (62/479,540) 2017-03-31

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[25] EN
[54] **VECTORS AND COMPOSITIONS FOR TREATING HEMOGLOBINOPATHIES**
[54] **VECTEURS ET COMPOSITIONS POUR LE TRAITEMENT D'HEMOGLOBINOPATHIES**
[72] VERES, GABOR, US
[72] WILLIAMS, DAVID A., US
[71] BLUEBIRD BIO, INC., US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
[85] 2019-09-24
[86] 2018-03-29 (PCT/US2018/025165)
[87] (WO2018/183692)
[30] US (62/478,375) 2017-03-29
[30] US (62/489,149) 2017-04-24

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[51] **Int.Cl. C09D 4/02 (2006.01) A61L 27/34 (2006.01) A61L 29/08 (2006.01) A61L 31/10 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS, POLYMERIC COATINGS, AND METHODS**
[54] **COMPOSITIONS DE REVETEMENT, REVETEMENTS POLYMERES ET PROCEDES**
[72] SIVAKUMARAN, DARYL, CA
[72] KNIGHT, DARRYL, CA
[72] DUDNYK, VYACHESLAV, CA
[72] DITIZIO, VALERIO, CA
[71] COVALON TECHNOLOGIES LTD., CA
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[87] (WO2018/176138)
[30] US (62/478,187) 2017-03-29

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[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/497 (2006.01) A61P 35/00 (2006.01) C07D 213/61 (2006.01) C07D 213/64 (2006.01) C07D 241/18 (2006.01) C07D 241/20 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 487/08 (2006.01) C07D 487/10 (2006.01) C07D 491/107 (2006.01) C07D 498/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **PD-1/PD-L1 INHIBITORS**
[54] **INHIBITEURS PD-1/PD-L1**
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[72] APPLEBY, TODD, US
[72] CHO, AESOP, US
[72] DU, ZHIMIN, US
[72] GRAUPE, MICHAEL, US
[72] GUERRERO, JUAN A., US
[72] JABRI, SALMAN Y., US
[72] LAD, LATESHKUMAR THAKORLAL, US
[72] MACHICAO TELLO, PAULO A., US
[72] MEDLEY, JONATHAN WILLIAM, US
[72] METOBO, SAMUEL E., US
[72] MUKHERJEE, PRASENJIT KUMAR, US
[72] NADUTHAMBI, DEVAN, US
[72] NOTTE, GREGORY, US
[72] PARKHILL, ERIC Q., US
[72] PHILLIPS, BARTON W., US
[72] SIMONOVICH, SCOTT PRESTON, US
[72] SQUIRES, NEIL H., US
[72] VENKATARAMANI, CHANDRASEKAR, US
[72] WANG, PEIYUAN, US
[72] WATKINS, WILLIAM J., US
[72] XU, JIE, US
[72] YANG, KIN SHING, US
[72] ZIEBENHAUS, CHRISTOPHER ALLEN, US
[71] GILEAD SCIENCES, INC., US
[85] 2019-09-24
[86] 2018-04-19 (PCT/US2018/028382)
[87] (WO2018/195321)
[30] US (62/488,017) 2017-04-20
[30] US (62/507,678) 2017-05-17

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[51] **Int.Cl. F42B 30/02 (2006.01) F42B 5/10 (2006.01) F42B 10/00 (2006.01) F42B 10/38 (2006.01) F42B 33/00 (2006.01)**
[25] EN
[54] **IMPROVED BULLET, WEAPON PROVIDED WITH SUCH BULLETS, KIT FOR ASSEMBLING THE SAME, AND CORRESPONDING METHODS OF MANUFACTURING, OPERATING AND USE ASSOCIATED THERETO**
[54] **BALLE AMELIOREE, ARME POURVUE DE TELLES BALLES, KIT D'ASSEMBLAGE DE CELLE-CI, ET PROCEDES CORRESPONDANTS DE FABRICATION, DE FONCTIONNEMENT ET D'UTILISATION ASSOCIES**
[72] BINEK, LAWRENCE A., US
[72] ROMAGNOLO, GABRIEL IDAN, CA
[72] BINEK, ANTHONY A., CA
[71] BINEK, LAWRENCE A., US
[71] ROMAGNOLO, GABRIEL IDAN, CA
[71] BINEK, ANTHONY A., CA
[85] 2019-09-25
[86] 2018-03-29 (PCT/CA2018/050398)
[87] (WO2018/176157)
[30] US (62/478,305) 2017-03-29

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[13] A1
[51] **Int.Cl. G01N 33/569 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS OF TREATMENT WITH CD80 EXTRACELLULAR DOMAIN POLYPEPTIDES**
[54] **METHODES DE TRAITEMENT AVEC DES POLYPEPTIDES DU DOMAINE EXTRACELLULAIRE DE CD80**
[72] BRENNAN, THOMAS, US
[72] SENNINO, BARBARA, US
[72] BARBEE, SUSANNAH D., US
[72] JEFFRY, URSULA, US
[71] FIVE PRIME THERAPEUTICS, INC., US
[85] 2019-09-24
[86] 2018-04-27 (PCT/US2018/029897)
[87] (WO2018/201014)
[30] US (62/491,479) 2017-04-28

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[13] A1
[51] **Int.Cl. H04W 88/04 (2009.01)**
[25] EN
[54] **COMMUNICATION METHOD, TERMINAL APPARATUS, AND ACCESS NETWORK APPARATUS**
[54] **PROCEDE DE COMMUNICATION, APPAREIL TERMINAL ET APPAREIL DE RESEAU D'ACCES**
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-09-25
[86] 2017-03-31 (PCT/CN2017/078968)
[87] (WO2018/176372)

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[13] A1
[51] **Int.Cl. A61L 27/14 (2006.01) A61L 15/22 (2006.01) A61L 24/04 (2006.01) A61L 31/04 (2006.01)**
[25] EN
[54] **CURED BIODEGRADABLE MICROPARTICLES AND SCAFFOLDS AND METHODS OF MAKING AND USING THE SAME**
[54] **MICROPARTICULES ET ECHAFAUDAGES BIODEGRADABLES DURCIS, LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LU, STEVEN, US
[72] GABRIELE, PETER D., US
[72] DONNELLY, JULIA, US
[72] GINN, BRIAN, US
[72] NICHOLSON, CHARLES BRENDAN, US
[72] HARRIS, JEREMY J., US
[72] FLEMMENS, MICHAEL S., US
[71] THE SECANT GROUP, LLC, US
[85] 2019-09-24
[86] 2018-03-30 (PCT/US2018/025416)
[87] (WO2018/183856)
[30] US (62/479,661) 2017-03-31
[30] US (62/547,559) 2017-08-18

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[13] A1
[51] **Int.Cl. H04L 12/24 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SESSION MANAGEMENT FUNCTION SELECTION**
[54] **PROCEDE ET APPAREIL DE SELECTION DE FONCTION DE GESTION DE SESSION**
[72] ZHU, JINGUO, CN
[71] ZTE CORPORATION, CN
[85] 2019-09-25
[86] 2017-03-31 (PCT/CN2017/079006)
[87] (WO2018/176391)

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[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/04 (2012.01) G06Q 20/10 (2012.01)**
[25] EN
[54] **SYSTEM FOR PUSHING TRANSACTIONAL DATA**
[54] **SYSTEME DE POUSSEE DE DONNEES TRANSACTIONNELLES**
[72] KUNJACHAN, GEORGE CHIRAMATTEL, US
[72] ARYA, AMIT, US
[72] VOGEL, PETER ALLEN, US
[71] INTUIT INC., US
[85] 2019-09-24
[86] 2018-04-30 (PCT/US2018/030149)
[87] (WO2018/222318)
[30] US (15/610,510) 2017-05-31

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[13] A1
[51] **Int.Cl. C07D 217/22 (2006.01) C07D 217/24 (2006.01)**
[25] EN
[54] **ARYL CYCLOPROPYL-AMINO-ISOQUINOLINYL AMIDE COMPOUNDS**
[54] **COMPOSES D'AMIDE ARYL CYCLOPROPYL-AMINO-ISOQUINOLINYL**
[72] DELONG, MITCHELL A., US
[72] STURDIVANT, JILL M., US
[72] LICHOROWIC, CYNTHIA L., US
[72] KORNILOV, ANDRIY, US
[71] AERIE PHARMACEUTICALS, INC., US
[85] 2019-09-24
[86] 2018-03-30 (PCT/US2018/025494)
[87] (WO2018/183911)
[30] US (62/480,239) 2017-03-31
[30] US (62/643,131) 2018-03-14

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[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/50 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **EXTENDED RELEASE MICROPARTICLES AND SUSPENSIONS THEREOF FOR MEDICAL THERAPY**
[54] **MICROPARTICULES A LIBERATION PROLONGEE ET SUSPENSIONS DE CELLES-CI DESTINEES A UNE THERAPIE MEDICALE**
[72] YANG, MING, US
[72] CLELAND, JEFFREY L., US
[72] YU, YUN, US
[72] YU, WEILING, US
[72] KAYS, JOSHUA, US
[71] GRAYBUG VISION, INC., US
[85] 2019-09-24
[86] 2018-05-10 (PCT/US2018/032167)
[87] (WO2018/209155)
[30] US (62/504,366) 2017-05-10
[30] US (62/508,355) 2017-05-18

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[13] A1
[51] **Int.Cl. A61B 17/32 (2006.01)**
[25] EN
[54] **CHRONIC TOTAL OCCLUSION CROSSING DEVICES AND METHODS**
[54] **DISPOSITIFS ET METHODES DE TRAVERSEE D'OCCLUSION TOTALE CHRONIQUE**
[72] MUSTAPHA, JIHAD A., US
[71] MUSTAPHA, JIHAD A., US
[85] 2019-09-24
[86] 2018-04-02 (PCT/US2018/025722)
[87] (WO2018/184017)
[30] US (62/479,646) 2017-03-31
[30] US (62/500,303) 2017-05-02
[30] US (15/666,279) 2017-08-01

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[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN OR RELATING TO DERMAL REPAIR MANAGEMENT DEVICES**
[54] **AMELIORATIONS APPORTEES A DES DISPOSITIFS ASSURANT LA REPARATION DU DERME OU EN RAPPORT AVEC CEUX-CI**
[72] ALVAREZ, MICHEL, BE
[72] FLANDRE, DENIS, BE
[71] ALVALUX MEDICAL, BE
[85] 2019-09-25
[86] 2017-03-27 (PCT/EP2017/057200)
[87] (WO2017/167693)
[30] EP (16163146.0) 2016-03-31

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **TREATMENT USING CHIMERIC RECEPTOR T CELLS INCORPORATING OPTIMIZED POLYFUNCTIONAL T CELLS**
[54] **TRAITEMENT UTILISANT DES LYMPHOCYTES T RECEPTEURS CHIMERIQUES INCORPORANT DES LYMPHOCYTES T POLYFONCTIONNELS OPTIMISES**
[72] ROSSI, JOHN M., US
[72] BOT, ADRIAN I., US
[71] KITE PHARMA, INC., US
[85] 2019-09-24
[86] 2018-04-03 (PCT/US2018/025888)
[87] (WO2018/187332)
[30] US (62/481,003) 2017-04-03

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[13] A1
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[25] EN
[54] **TARGETED MOSQUITOCIDAL TOXINS**
[54] **TOXINES MOUSTIQUICIDES CIBLEES**
[72] KEARNEY, CHRISTOPHER MICHEL, US
[72] PRUETT, GRACE, US
[71] BAYLOR UNIVERSITY, US
[85] 2019-09-24
[86] 2018-04-03 (PCT/US2018/025907)
[87] (WO2018/187342)
[30] US (62/481,199) 2017-04-04

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) A61K 38/38 (2006.01) A61K 47/20 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **CRYOPRESERVATION METHOD**
[54] **PROCEDE DE CRYOCONSERVATION**
[72] REID, LOLA M., US
[72] DOMENICO, ALVARO, IT
[72] CARDINALE, VINCENZO, IT
[72] GAUDIO, EUGENIO, IT
[72] CARPINO, GUIDO, IT
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[71] SAPIENZA UNIVERSITA DI ROMA, IT
[85] 2019-09-24
[86] 2018-04-04 (PCT/US2018/026038)
[87] (WO2018/187439)
[30] US (62/482,644) 2017-04-06

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[13] A1
[51] **Int.Cl. A01N 63/02 (2006.01) C05F 11/08 (2006.01) C12P 1/02 (2006.01) C12P 1/04 (2006.01)**
[25] EN
[54] **MICROORGANISM-PRODUCED COMPOSITIONS HAVING STIMULATORY ACTIVITY ON PLANTS**
[54] **COMPOSITIONS PRODUITES PAR MICRO-ORGANISMES PRESENTANT UNE ACTIVITE STIMULANTE SUR DES PLANTES**
[72] BEJARANO TOVAR, CAROL PAOLA, ES
[72] MOLINA GUEVARA, PEDRO ROBERTO, ES
[72] FERNANDEZ ORTIZ DE JOCANO, NEREA, ES
[72] BELASTEGUI MACADAM, XANA MELISSA, ES
[72] BAHAJI, ABDELLATIF, ES
[72] SANCHEZ LOPEZ, ANGELA MARIA, ES
[72] BAROJA FERNANDEZ, MIREN EDURNE, ES
[72] MUNOZ PEREZ, FRANCISCO JOSE, ES
[72] POZUETA ROMERO, JAVIER, ES
[71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES
[71] UNIVERSIDAD PUBLICA DE NAVARRA, ES
[71] IDEN BIOTECHNOLOGY, S.L., ES
[85] 2019-09-25
[86] 2017-04-03 (PCT/EP2017/057847)
[87] (WO2017/174503)
[30] EP (16382146.5) 2016-04-04

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 471/14 (2006.01)**
[25] EN
[54] **APOPTOSIS-INDUCING AGENTS**
[54] **AGENTS INDUISANT L'APOPTOSE**
[72] LIU, HONGBIN, CN
[72] RONG, YUE, CN
[72] ZHANG, HUAJIE, CN
[72] CHEN, ZHIFANG, CN
[72] TAN, RUI, CN
[72] HE, CHENGXI, CN
[72] LI, ZHIFU, CN
[72] ZHOU, ZUWEN, CN
[72] TAN, HAOHAN, CN
[72] RAN, KAI, CN
[72] WANG, XIANLONG, CN
[72] ZOU, ZONGYAO, CN
[72] JIANG, LIHUA, CN
[72] LIU, YANXIN, CN
[72] ZHAO, XINGDONG, CN
[72] WANG, WEIBO, US
[72] FU, JIEMIN, CN
[71] SHANGHAI FOCHON PHARMACEUTICAL CO., LTD., CN
[71] FOCHON PHARMACEUTICALS, LTD., CN
[85] 2019-09-25
[86] 2018-04-17 (PCT/CN2018/083268)
[87] (WO2018/192462)
[30] US (62/486,965) 2017-04-18
[30] US (62/572,417) 2017-10-14

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[13] A1
[51] **Int.Cl. C04B 24/16 (2006.01) C04B 28/14 (2006.01) C07C 305/04 (2006.01)**
[25] EN
[54] **ALKYL SULFATE / ALKYL ETHER SULFATE GYPSUM FOAMER**
[54] **AGENT D'EXPANSION A BASE DE SULFATE D'ALKYLE/SULFATE D'ALKYLETHER POUR GYPSE**
[72] MIROUS, BRIAN K., US
[72] JAFFEL, HAMOUDA, FR
[71] STEPAN COMPANY, US
[71] SAINT-GOBAIN PLACO, FR
[85] 2019-09-24
[86] 2018-04-05 (PCT/US2018/026242)
[87] (WO2018/187560)
[30] US (62/482,416) 2017-04-06

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[13] A1
[51] **Int.Cl. C12N 15/82 (2006.01) C12Q 1/68 (2018.01) A01H 5/00 (2018.01)**
[25] EN
[54] **SOY PLANTS COMPRISING THE TRANSGENIC EVENT CIGBDT-DEF1 OR CIGBIS-DEF5**
[54] **PLANTES DE SOJA COMPRENANT L'EVENEMENT TRANSGENIQUE CIGBDT-DEF1 OU CIGBIS-DEF5**
[72] SOTO PEREZ, NATACHA, CU
[72] ENRIQUEZ OBREGON, GIL ALBERTO, CU
[72] DELGADO ABAD, CELIA, CU
[72] ROSABAL AYAN, YAMILKA, CU
[72] PORTIELES ALVAREZ, ROXANA, CU
[72] GONZALEZ BLANCO, SONIA, CU
[72] OCHAGAVIA ROQUE, MARIA ELENA, CU
[72] REYES MIGOYO, ANEISI, CU
[72] FERREIRA FABRE, ALEINES, CU
[72] PUJOL FERRER, MERARDO, CU
[72] HERNANDEZ VELAZQUEZ, ABEL, CU
[71] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU
[85] 2019-09-25
[86] 2018-03-29 (PCT/CU2018/050002)
[87] (WO2018/177446)
[30] CU (2017-0042) 2017-03-31

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **METHOD OF FORMING AN ARTERIOVENOUS CONNECTION**
[54] **PROCEDE DE FORMATION D'UNE CONNEXION ARTERIOVEINEUSE**
[72] INSTON, NICHOLAS, GB
[71] NOVINTUM MEDICAL TECHNOLOGY GMBH, CH
[85] 2019-09-25
[86] 2017-04-06 (PCT/EP2017/058302)
[87] (WO2018/184685)

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[13] A1
[51] **Int.Cl. E04D 13/03 (2006.01)**
[25] EN
[54] **SKYLIGHT COVER WITH ADVANTAGEOUS TOPOGRAPHY**
[54] **COUVERTURE DE LANTERNEAU PRESENTANT UNE TOPOGRAPHIE AVANTAGEUSE**
[72] KASTNER, STEVE ROY, US
[71] VKR HOLDING A/S, DK
[85] 2019-09-25
[86] 2017-03-29 (PCT/DK2017/050091)
[87] (WO2017/167341)
[30] US (15/086,941) 2016-03-31

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[13] A1
[51] **Int.Cl. H04N 19/132 (2014.01) H04N 19/119 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **VIDEO COMPRESSION USING DOWN-SAMPLING PATTERNS IN TWO PHASES**
[54] **COMPRESSION VIDEO UTILISANT DES MOTIFS DE SOUS-ECHANTILLONNAGE EN DEUX PHASES**
[72] SHEN, YUXIANG, US
[71] HULU, LLC, US
[85] 2019-09-24
[86] 2018-04-05 (PCT/US2018/026334)
[87] (WO2018/187627)
[30] US (15/482,653) 2017-04-07

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[13] A1
[51] **Int.Cl. F16L 9/22 (2006.01) B29C 53/58 (2006.01)**
[25] EN
[54] **AN INTELLIGENT MODULE PIPELINE, AN INTELLIGENT MODULE HELICAL PIPELINE WINDING MACHINE AND A WINDING METHOD THEREOF**
[54] **PIPELINE DE MODULE INTELLIGENT, MACHINE A ENROULEMENT DE PIPELINE HELICOIDAL DE MODULE INTELLIGENT ET PROCEDE D'ENROULEMENT ASSOCIE**
[72] LI, LI, CN
[72] CHEN, YIQING, CN
[72] ZOU, SHENGBIN, CN
[72] LI, SIYI, CN
[72] FENG, QIAOXI, CN
[71] LI, LI, CN
[85] 2019-09-25
[86] 2018-03-23 (PCT/CN2018/080249)
[87] (WO2018/177215)
[30] CN (201710192176.5) 2017-03-28
[30] CN (201720310857.2) 2017-03-28
[30] CN (201710547452.5) 2017-07-06
[30] CN (201720813715.8) 2017-07-06

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[13] A1
[51] **Int.Cl. C12P 19/02 (2006.01) C12N 9/34 (2006.01) C12P 19/20 (2006.01)**
[25] EN
[54] **GLUCOAMYLASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME**
[54] **VARIANTS DE GLUCOAMYLASE ET POLYNUCLEOTIDES CODANT POUR CEUX-CI**
[72] KANG, ZHENGFANG, US
[72] NAMOTO, TOMOKO, JP
[72] TSUTSUMI, NORIKO, JP
[72] AYABE, KEIICHI, JP
[71] NOVOZYMES A/S, DK
[85] 2019-09-24
[86] 2018-04-10 (PCT/US2018/026815)
[87] (WO2018/191215)
[30] US (62/483,990) 2017-04-11

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[13] A1
[51] **Int.Cl. G10L 21/038 (2013.01) G10L 25/69 (2013.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DETERMINING A PREDETERMINED CHARACTERISTIC RELATED TO AN ARTIFICIAL BANDWIDTH LIMITATION PROCESSING OF AN AUDIO SIGNAL**
[54] **APPAREIL ET PROCEDE DE DETERMINATION D'UNE CARACTERISTIQUE PREDETERMINEE ASSOCIEE A UN TRAITEMENT DE LIMITATION DE BANDE PASSANTE ARTIFICIELLE D'UN SIGNAL AUDIO**
[72] GAMPP, PATRICK, DE
[72] UHLE, CHRISTIAN, DE
[72] DISCH, SASCHA, DE
[72] KARAMPOURNIOTIS, ANTONIOS, DE
[72] HAVENSTEIN, JULIA, DE
[72] HELLMUTH, OLIVER, DE
[72] HERRE, JURGEN, DE
[72] PROKEIN, PETER, DE
[71] FRAUNHOFER GESELLSCHAFT ZUR FOERDERUND DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2019-09-25
[86] 2018-03-29 (PCT/EP2018/025081)
[87] (WO2018/177610)
[30] EP (17164360.4) 2017-03-31
[30] EP (17189992.5) 2017-09-07

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[13] A1
[51] **Int.Cl. G06N 3/04 (2006.01)**
[25] EN
[54] **NEURAL NETWORKS FOR INFORMATION EXTRACTION FROM TRANSACTION DATA**
[54] **RESEAUX NEURONAUX DESTINES A L'EXTRACTION D'INFORMATIONS A PARTIR DE DONNEES DE TRANSACTION**
[72] SEVRENS, MATTHEW, US
[72] PAN, ZIXUAN, US
[71] YODLEE, INC., US
[85] 2019-09-24
[86] 2018-04-10 (PCT/US2018/026958)
[87] (WO2018/191301)
[30] US (15/486,230) 2017-04-12

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[13] A1
[51] **Int.Cl. H01F 27/40 (2006.01)**
[25] EN
[54] **STATIC ELECTRIC INDUCTION APPARATUS COMPRISING A WINDING AND A SENSOR SYSTEM FOR MONITORING THE TEMPERATURE IN THE WINDING**
[54] **APPAREIL D'INDUCTION ELECTRIQUE STATIQUE COMPRENANT UN ENROULEMENT ET UN SYSTEME DE CAPTEUR PERMETTANT DE SURVEILLER LA TEMPERATURE DANS L'ENROULEMENT**
[72] PRADHAN, MANOJ, SE
[72] LANERYD, TOR, SE
[71] ABB SCHWEIZ AG, CH
[85] 2019-09-25
[86] 2018-03-21 (PCT/EP2018/057190)
[87] (WO2018/184850)
[30] EP (17164935.3) 2017-04-05

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[13] A1
[51] **Int.Cl. H05B 6/10 (2006.01) A24F 47/00 (2006.01) H05B 6/36 (2006.01) H05B 6/44 (2006.01)**
[25] EN
[54] **INDUCTION COIL ARRANGEMENT**
[54] **AGENCEMENT DE BOBINE D'INDUCTION**
[72] ABI AOUN, WALID, GB
[72] FALLON, GARY, GB
[72] WHITE, JULIAN DARRYN, GB
[72] HORROD, MARTIN DANIEL, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2019-09-25
[86] 2018-03-27 (PCT/EP2018/057813)
[87] (WO2018/178095)
[30] GB (1705259.8) 2017-03-31

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[13] A1
[51] **Int.Cl. B08B 9/08 (2006.01) B08B 7/00 (2006.01) B08B 9/087 (2006.01) B08B 9/093 (2006.01) B08B 9/46 (2006.01) G01S 17/08 (2006.01) G01S 17/88 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR CLEANING VESSELS**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES PERMETTANT LE NETTOYAGE DE NAVIRES**
[72] DESORMEAUX, KENNY, US
[71] ECOSERV TECHNOLOGIES, LLC, US
[85] 2019-09-24
[86] 2018-05-25 (PCT/US2018/034592)
[87] (WO2018/218120)
[30] US (62/511,337) 2017-05-25

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[13] A1
[51] **Int.Cl. H05B 6/06 (2006.01) A24F 47/00 (2006.01) H05B 6/10 (2006.01)**
[25] EN
[54] **TEMPERATURE DETERMINATION**
[54] **DETERMINATION DE LA TEMPERATURE**
[72] ABI AOUN, WALID, GB
[72] FALLON, GARY, GB
[72] WHITE, JULIAN DARRYN, GB
[72] HORROD, MARTIN DANIEL, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2019-09-25
[86] 2018-03-27 (PCT/EP2018/057834)
[87] (WO2018/178113)
[30] GB (1705208.5) 2017-03-31

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[13] A1
[51] **Int.Cl. E05B 1/00 (2006.01) E05B 7/00 (2006.01) E05B 63/08 (2006.01)**
[25] EN
[54] **ANTI-LIGATURE TURN PIECE**
[54] **POIGNEE ANTI-LIGATURE**
[72] RILEY, DANIEL, US
[72] PALMIERI, ERIC, US
[72] FOWLER, TRACY, F., US
[72] GRISWOLD, LEE, US
[71] SARGENT MANUFACTURING COMPANY, US
[85] 2019-09-24
[86] 2018-05-31 (PCT/US2018/035357)
[87] (WO2018/222847)
[30] US (62/512,873) 2017-05-31

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[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
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[72] PEI, LEI, US
[72] JENNINGS, ZACHARY GROVE, US
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[54] **ANTICORPS ANTI-CD37 BISPECIFIQUES, ANTICORPS ANTI-CD37 MONOCLONAUX ET LEURS METHODES D'UTILISATION**
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[72] BEURSKENS, FRANK, NL
[72] BREIJ, ESTHER, NL
[72] VAN DEN BRINK, EDWARD, NL
[72] HOLLENSTEIN, ANDREAS, NL
[72] OVERDIJK, MARIJE, NL
[72] LINDORFER, MARGARET, US
[72] TAYLOR, RONALD, US
[72] PARREN, PAUL, NL
[72] VAN DER HORST, HILMA, NL
[72] E.D. CHAMULEAU, MARTINE, NL
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[54] **TROUSSE CHIRURGICALE ET APPAREIL DE TRAITEMENT DU GLAUCOME**
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[54] **COMPOSITION DE POLYPROPYLENE RENFORCEE DE FIBRE D'ALCOOL POLYVINYLIQUE**
[72] BRAUN, HERMANN, AT
[72] JERABEK, MICHAEL, AT
[72] LUMMERSTORFER, THOMAS, AT
[72] HAIDER, ANDREAS, AT
[72] SOBCZAK, LUKAS, AT
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[54] **METHODE D'INSPECTION D'UN SYSTEME D'EMBALLAGE DE STERILISATION**
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[72] HOLT, KELLY L., US
[72] ANDERSON, RONALD K., US
[72] GAYNOR, MELISSA R., US
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[54] **ELEMENTS DE PAREMENT DES OUVERTURES D'UN EDIFICE ACTIONNES PAR MOTEURS ROTATIFS**
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[72] FOGARTY, DANIEL, US
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[54] **COMPOSITE MATERIAL LAY-UP EQUIPMENT**
[54] **EQUIPEMENT DE SUPERPOSITION DE MATERIAU COMPOSITE**
[72] TINGLE, JAMES, GB
[72] CASE, MICHAEL JAMES, US
[72] KUKON, JOHN ANTHONY, US
[72] COPE, RALPH DOUGLAS, US
[72] JOHNSON, ANTHONY DALE, US
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[72] GRUNEBERG, KARSTEN, DE
[72] MARPE, DETLEV, DE
[72] HENKEL, ANASTASIA, DE
[72] GEORGE, VALERI, DE
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[72] WISER, FORWOOD C., US
[71] ENVIRONMENTAL MANAGEMENT CONFEDERATION, INC., US
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[54] **PARTICULES DE DIMENSION NANOMETRIQUE COMPRENANT DES AMPHIPHILES A TETES MULTIPLES POUR UNE ADMINISTRATION CIBLEE DE MEDICAMENT**
[72] LINDER, CHARLES, IL
[72] GRINBERG, SARINA, IL
[72] HELDMAN, ELIAHU, IL
[71] BENGURION UNIVERSITY OF THE NEGEV RESEARCH AND DE, IL
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[72] DARBY, ADAM JOHN, NZ
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[72] KUGLER, WILLIAM E., US
[71] UNITED CONSTRUCTION PRODUCTS, INC., US
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[72] SCHMID, STEPHAN, US
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[71] ALENTIC MICROSCIENCE INC., CA
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[72] SMETZER, ROSS, US
[72] BZOSTEK, ANDREW, US
[72] HARTMANN, STEVEN L., US
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[54] **CARBONATE DE CALCIUM AMORPHE POUR LE TRAITEMENT DE LA MALABSORPTION DE CALCIUM ET DE TROUBLES METABOLIQUES DES OS**
[72] SAGI, AMIR, IL
[72] SHECHTER, ASSAF, IL
[72] SHALTIEL-GOLD, GALIT, IL
[72] DANIELY, MICHAL, IL
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[71] K-FEE SYSTEM GMBH, DE
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[54] **APPAREILLAGE DE TRANSFERT D'ENERGIE FAISANT APPEL A UN CONVERTISSEUR, ET METHODE DE FABRICATION CONNEXE**
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[54] **CROSSES DE HOCKEY A GROUPEMENTS DE BOSSES A POIDS CENTRE CO-MOULEES ET AUTRES STRUCTURES COMPOSITES**
[72] ALLEN, PATRICK, CA
[72] GOLDSMITH, EDWARD, US
[72] IE, CITRA, US
[72] SNOW, MICHAEL, US
[72] MOUNTAIN, MICHAEL, US
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[54] **MELANGEUR DE GEL D'EXTINCTION DES INCENDIES ET SYSTEME D'EPANDAGE AERIEN**
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[54] **INSTALLATIONS DE SUPPORT DE MACHINE A DIALYSE ET SYSTEMES ET METHODES C NNEXES**
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[72] SINGH, GURPREET, US
[72] YOUNG, MICHAEL DAVID, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
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[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
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[54] **SYSTEME D'ECHANGE COOPERATIF D'AVANTAGES ENVIRONNEMENTAUX ET SOCIAUX**
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