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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:

2,790,379

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

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

2,790,379

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

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html

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

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14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :
http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :
https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html

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

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7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

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.

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. 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 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

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 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

to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

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 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,

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 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

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
  Tel.: 604-666-5000

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

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

  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

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

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.

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 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

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 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,

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).

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:

(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.

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)

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.

Patents

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

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 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.

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.

Patents

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

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

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 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.

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.

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.

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

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

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 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.

:

- 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 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.

Copyright

Droits d'auteur

Notices

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.

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.

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

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.

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

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.

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.

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-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.

Supports électroniques acceptés par le Bureau des brevets

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

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. 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

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.

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;
- 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.

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

Format TIFF

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

Format PDF

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

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 Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

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 coopération en matière de brevets
- Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

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;

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;

- 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 (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.

- 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 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,

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^MC^, ou par Xpresspost^MC^ 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

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.

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 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.

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 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

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

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.

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 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

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

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

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.

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

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.

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

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

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

- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

- 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 February 25, 2020 contains applications open to public inspection from February 9, 2020 to February 15, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 25 février 2020 contient les demandes disponibles au public pour consultation pour la période du 9 février 2020 au 15 février 2020.

Canadian Patents Issued

February 25, 2020

Brevets canadiens délivrés

25 février 2020

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[25] EN
[54] **CRYSTAL STRUCTURE OF AN ANGIOTENSIN-CONVERTING ENZYME (ACE) AND USES THEREOF**
[54] **STRUCTURE DE CRISTAL D'UNE ENZYME DE CONVERSION DE L'ANGIOTENSINE (ACE) ET SES UTILISATIONS**
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[54] **METHODS AND COMPOSITIONS FOR INCREASING THE EFFICIENCY OF THERAPEUTIC ANTIBODIES USING NK CELL POTENTIATING COMPOUNDS**
[54] **METHODES ET COMPOSITIONS POUR AUGMENTER L'EFFICACITE D'ANTICORPS THERAPEUTIQUES AU MOYEN DE COMPOSES DE POTENTIALISATION DE CELLULES NK**
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[54] **METHOD FOR THE SYNTHESIS OF A BIFUNCTIONAL COMPLEX**
[54] **METHODE DE SYNTHESE D'UN COMPLEXE BIFONCTIONNEL**
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[72] GOULIAEV, ALEX HAAHR, DK
[72] LUNDORF, MIKKEL DYBRO, DK
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[25] EN
[54] **METHOD OF PRODUCING RECOMBINANT SUCROSE SYNTHASE, USE THEREOF IN THE PRODUCTION OF SUCROSE-DETERMINATION KITS, METHOD OF PRODUCING ADPGLUCOSE AND METHOD OF OBTAINING TRANSGENIC PLANTS HAVING LEAVES AND RESERVE ORGANS WHICH ACCUMULATE A HIGH CONCENTRATION OF ADPGLUCOSE AND STARCH**
[54] **PROCEDE DE PRODUCTION DE SACCHAROSE SYNTHASE RECOMBINANTE, SON UTILISATION DANS LA FABRICATION DE KITS DE DETERMINATION DE SACCHAROSE, PRODUCTION DE ADPGLUCOSE ET OBTENTION DE PLANTES TRANSGENIQUES DONT LES FEUILLES ET LES ORGANES DE RESERVE ACCUMULENT UNE FORTE TENEUR EN ADPGLUCOSE ET AMIDON**
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[72] DIZIGAN, MARK A., US
[72] KELLY, REBECCA A., US
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[54] **STERILITY BARRIER FOR PEN NEEDLE AND STORAGE CONTAINER THEREFOR**
[54] **BARRIERE A LA CONTAMINATION POUR AIGUILLE DE STYLO INJECTEUR ET MAGASIN DE STOCKAGE CONNEXE**
[72] RAJ, ABHIJITSINH, US
[72] SULLIVAN, SEAN, US
[72] BANIK, ROBERT, US
[72] BATES, JAMES, US
[72] CONSTANTINEAU, COLE, US
[72] SCHOONMAKER, RYAN, US
[72] BRUEHWILER, MICHEL, US
[72] HORVATH, JOSHUA, US
[72] LAWRENCE, DOUG, US
[73] BECTON, DICKINSON AND COMPANY,
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[54] **BACTERIA STRAINS HAVING A HIGH ANTI-INFLAMMATORY ACTIVITY**
[54] **SOUCHES BACTERIENNES AYANT UNE GRANDE ACTIVITE ANTI-INFLAMMATOIRE**
[72] MOGNA, GIOVANNI, IT
[72] STROZZI, GIAN PAOLO, IT
[72] MOGNA, LUCA, IT
[73] PROBIOTICAL S.P.A.,
[85] 2011-09-02
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[25] EN
[54] **COMPOSITIONS COMPRISING A FATTY ACID OIL MIXTURE AND A SURFACTANT, AND METHODS AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT UN MELANGE D'HUILE D'ACIDE GRAS ET D'AGENT TENSIO-ACTIF, ET LEURS PROCEDES ET UTILISATIONS**
[72] HUSTVEDT, SVEIN OLAF, NO
[72] OLESEN, PREBEN HOULBERG, DK
[72] BERGE, GUNNAR, NO
[72] KLAVENESS, JO ERIK JOHNSRUD, NO
[73] PRONOVA BIOPHARMA NORGE AS,
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[54] **GLENOID RESURFACING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RE-SURFACAGE DE GLENOIDE**
[72] SIKORA, GEORGE, US
[72] EK, STEVEN W., US
[73] ARTHROSURFACE INCORPORATED,
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[54] **A METHOD FOR INCREASING THE VIGOR AND/OR CROP YIELD OF AGRICULTURAL PLANTS UNDER ESSENTIALLY NON-EXISTENT PATHOGEN PRESSURE,INCLUDING THE USE OF A BACILLUS STRAIN**
[54] **UNE METHODE D'AUGMENTATION DE LA VIGUEUR OU DU RENDEMENT DE RECOLTE DE PLANTS AGRICOLES SOUS UNE PRESSION ESSENTIELLEMENT NON EXISTANTE DE PATHOGENES, Y COMPRIS L'UTILISATION D'UNE SOUCHE DE BACILLE**
[72] FRANK, MARKUS, DE
[72] SILVA, DAVID ERNEST, US
[73] BAYER CROPSCIENCE LP,
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[54] **FLUOROSCOPIC DATA DISPLAY**
[54] **AFFICHAGE DE DONNEES FLUOROSCOPIQUES**
[72] MIZRAHI, LIRON SHMUEL, IL
[72] URMAN, ROY, IL
[72] KRUPNIK, RONEN, IL
[73] BIOSENSE WEBSTER (ISRAEL) LTD.,
[86] (2762181)
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[54] **FERTILISATION INDEPENDENT FRUIT FORMATION IN TOMATO**
[54] **FORMATION DE FRUIT INDEPENDANTE DE LA FERTILISATION DANS UN PLANT DE TOMATE**
[72] VAN DUN, CORNELIS MARIA PETRUS, NL
[72] EGGINK, PIETER MARTIJN, NL
[72] DRAEGER, DOERTHE BETTINA, NL
[73] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V.,
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[54] **ROCKFALL PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION ANTI-EBOULEMENTS**
[72] STELZER, GERNOT, AT
[72] BICHLER, AHREN, CA
[73] TRUMER SCHUTZBAUTEN GESMBH,
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[25] EN
[54] **MARKERS FOR ENDOMETRIAL CANCER**
[54] **MARQUEURS DE CANCER ENDOMETRIAL**
[72] ABAL POSADA, MIGUEL, ES
[72] DOLL, ANDREAS, ES
[72] GIL MORENO, ANTONIO, ES
[72] MAES, TAMARA, ES
[72] PEREZ, CRISTINA, ES
[72] REVENTOS PUIGJANER, JAUME, ES
[72] ROSSELL, ELISABET, ES
[73] GEADIC BIOTEC, AIE.,
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[54] **MEMBRANES D'OSMOSE DIRECTE DOTEES D'UNE MEMBRANE ENDOS AMOVIBLE**
[72] MCGINNIS, ROBERT, US
[72] MCGURGAN, GARY, US
[73] OASYS WATER LLC,
[85] 2012-02-22
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[54] **POSITIONING TOOL**
[54] **OUTIL DE POSITIONNEMENT**
[72] HALLUNDBAEK, JORGEN, DK
[72] FRANCKE, MATHIAS, DK
[73] WELLTEC A/S,
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[25] EN
[54] **LOW RHENIUM SINGLE CRYSTAL SUPERALLOY FOR TURBINE BLADES AND VANE APPLICATIONS**
[54] **SUPERALLIAGE MONOCRISTALLIN A FAIBLE TENEUR EN RHENIUM POUR AILETTES DE TURBINE ET APPLICATIONS DANS LES AUBES**
[72] HARRIS, KENNETH, US
[72] WAHL, JACQUELINE B., US
[73] CANNON-MUSKEGON CORPORATION,
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[25] EN
[54] **SEPARATOR DEVICE, DEPOSITION DEVICE AND SYSTEM FOR HANDLING OF SOMATIC PLANT EMBRYOS**
[54] **DISPOSITIF DE SEPARATION, DISPOSITIF DE DEPOT ET SYSTEME DE MANIPULATION D'EMBRYONS SOMATIQUES VEGETAUX**
[72] AIDUN, CYRUS K., US
[73] GEORGIA TECH RESEARCH CORPORATION,
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[54] **VALVE GREASING SYSTEM**
[54] **SYSTEME DE GRAISSAGE POUR SOUPAPE**
[72] GIRARD, DENIS, CA
[72] BASS, JIM, CA
[73] SAFESEAL VALVE SYSTEMS CORP.,
[86] (2775914)
[87] (2775914)
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[54] **ANVIL ASSEMBLY FOR A CIRCULAR STAPLER**
[54] **ASSEMBLAGE D'ENCLUME DESTINE A UNE AGRAFEUSE CIRCULAIRE**
[72] NALAGATLA, ANIL K., US
[72] DEUPREE, DAVID A., US
[73] ETHICON ENDO-SURGERY, INC.,
[86] (2777139)
[87] (2777139)
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[25] EN
[54] **NEW THERAPEUTIC APPROACHES FOR TREATING ALZHEIMER DISEASE**
[54] **NOUVELLES APPROCHES THERAPEUTIQUES POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] COHEN, DANIEL, FR
[72] CHUMAKOV, ILYA, FR
[72] NABIROCHKIN, SERGUEI, FR
[73] PHARNEXT,
[85] 2012-04-26
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[25] EN
[54] **GALVANIC CELLS CONTAINING OXYGEN-CONTAINING CONVERSION ELECTRODES**
[54] **ELEMENTS GALVANIQUES COMPORTANT DES ELECTRODES DE CONVERSION CONTENANT DE L'OXYGENE**
[72] WIETELMANN, ULRICH, DE
[73] CHEMETALL GMBH,
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[25] EN
[54] **SYSTEM FOR THE ELECTRONIC MANAGEMENT OF PHOTOVOLTAIC CELLS WITH ADAPTED THRESHOLDS**
[54] **SYSTEME DE GESTION ELECTRONIQUE DE CELLULES PHOTOVOLTAIQUES AVEC SEUILS ADAPTESS**
[72] ALONSO, CORINNE, FR
[72] BERASATEGI, ALONA, ES
[72] CABAL, CEDRIC, FR
[72] ESTIBALS, BRUNO, FR
[72] PETIBON, STEPHANE, FR
[72] VERMEERSCH, MARC, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE,
[73] TOTAL MARKETING SERVICES,
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[54] **REMOTE VARIABLE AUTHENTICATION PROCESSING**
[54] **TRAITEMENT D'AUTHENTIFICATION VARIABLE A DISTANCE**
[72] LINDELSEE, MIKE, US
[72] BRAND, OLIVIER, US
[72] DIMMICK, JAMES, US
[72] DOMINGUEZ, BENEDICTO, US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION,
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[25] EN
[54] **VALVE FOR HYDRAULIC FRACTURING THROUGH CEMENT OUTSIDE CASING**
[54] **SOUPAPE POUR LA FRACTURATION HYDRAULIQUE A L'EXTERIEUR D'UNE ENVELOPPE DE CIMENT**
[72] SOMMERS, MICHAEL T., US
[72] JACKSON, STEPHEN L., US
[73] INNOVEX DOWNHOLE SOLUTIONS, INC.,
[86] (2788164)
[87] (2788164)
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[51] **Int.Cl. C07D 491/056 (2006.01) A61K 47/54 (2017.01)**
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[54] **PHARMACEUTICAL SUBSTANCES ON THE BASIS OF MITOCHONDRIA-ADDRESSED ANTIOXIDANTS**
[54] **SUBSTANCES PHARMACEUTIQUES A BASE D'ANTIOXYDANTS ADRESSES A DES MITOCHONDRIES**
[72] SKULACHEV, MAXIM VLADIMIROVICH, RU
[72] SKULACHEV, VLADIMIR PETROVICH, RU
[72] ZAMYATIN, ANDREI ALEXANDROVICH, RU
[72] EFREMOV, EVGENY STEPANOVICH, RU
[72] TASHLITSKY, VADIM NERONOVICH, RU
[72] YAGUZHINSKY, LEV SERGEEVICH, RU
[72] KORSHUNOVA, GALINA ANATOLIEVNA, RU
[72] SUMBATYAN, NATALYA VLADIMIROVNA, RU
[72] ANTONENKO, YURY NIKOLAEVICH, RU
[72] SEVERINA, INNA ISAAKOVNA, RU
[72] CHERNYAK, BORIS VIKTOROVICH, RU
[73] MITOTECH S.A.,
[85] 2012-08-01
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[25] EN
[54] **CRAWLING RICH INTERNET APPLICATIONS**
[54] **APPLICATIONS INTERNET RICHES UTILISANT UN PARCOURS DU WEB**
[72] ONUT, IOSIF VIOREL, CA
[72] IONESCU, PAUL, CA
[72] CHOUDHARY, SURYAKANT, CA
[72] BOCHMANN, GREGOR VON, CA
[72] JOURDAN, GUY-VINCENT, CA
[73] IBM CANADA LIMITED - IBM CANADA LIMITEE,
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[87] (2790379)
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[51] **Int.Cl. G06F 7/04 (2006.01) A61B 5/117 (2016.01) G06Q 20/40 (2012.01) G06F 21/32 (2013.01)**
[25] EN
[54] **BIOMETRIC MATCHING ENGINE**
[54] **MOTEUR DE CORRESPONDANCE BIOMETRIQUE**
[72] PARTINGTON, ALASTAIR ROSS, GB
[72] ASTROM, PER ANDERS MATTEUS, FR
[72] BATALLER, CYRILLE, FR
[73] ACCENTURE GLOBAL SERVICES LIMITED,
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[25] EN
[54] **ROTORCRAFT COUNTER-TORQUE CONTROL ASSEMBLY AND METHOD**
[54] **PROCEDE ET ENSEMBLE DE CONTROLE DE CONTRE-COUPLE POUR GIRAVION**
[72] ASHFORD, CURTIS M., US
[73] THE BOEING COMPANY,
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[51] **Int.Cl. B60N 2/24 (2006.01) B60N 2/04 (2006.01)**
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[54] **ARTICULATED SEATING SYSTEM**
[54] **SYSTEME DE SIEGE ARTICULE**
[72] SLUNGARE, HANS BERTIL, SE
[72] BERGSTRAND, JOAKIM LARS, SE
[73] AUTOADAPT AB,
[86] (2794277)
[87] (2794277)
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[25] EN
[54] **FITTINGS FOR AUTORACK RAILROAD CAR**
[54] **RACCORDS POUR WAGON COUVERT A AUTOMOBILES**
[72] HEMATIAN, JAMAL, CA
[72] DUWYN, RYAN, CA
[73] NATIONAL STEEL CAR LIMITED,
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[25] EN
[54] **METHOD FOR OPERATING A CONVERTER AND A SWITCHING CELL AND A CONVERTER**
[54] **METHODE DE FONCTIONNEMENT D'UN CONVERTISSEUR ET D'UNE CELLULE DE COMMUTATION ET D'UN CONVERTISSEUR**
[72] KORN, ARTHUR, CH
[73] ABB SCHWEIZ AG,
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[87] (2794880)
[22] 2012-11-06
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[25] EN
[54] **FORCED AIR HEATER INCLUDING ON-BOARD SOURCE OF ELECTRIC ENERGY**
[54] **AEROTHERME COMPRENANT UNE SOURCE EMBARQUEE D'ENERGIE ELECTRIQUE**
[72] HANEY, DONALD C., US
[72] VANDRAK, BRIAN S., US
[72] O'TOOLE, DENNIS, US
[73] ENERCO GROUP, INC.,
[85] 2012-10-05
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[25] EN
[54] **METHOD AND SYSTEM FOR ANALYZING GEOMETRIC PARAMETERS OF AN OBJECT**
[54] **PROCEDE ET SYSTEME D'ANALYSE DE PARAMETRES GEOMETRIQUES D'UN OBJET**
[72] BOUTBOUL, LAURENT, FR
[72] NOEUVEGLISE, STEPHANE, FR
[73] ACCENTURE GLOBAL SERVICES LIMITED,
[85] 2012-10-19
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[54] **SYSTEME ET PROCEDURE DE COMMUNICATIONS COMMERCIALES.**
[72] CANTERO ESCOLA, JOSE LUIS, ES
[72] BISBE TOSAT, ALEX, ES
[73] WHISBI TECHNOLOGIES, S.L.,
[85] 2012-11-13
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[54] **CONTINUOUS ETHYLENE TETRAMERIZATION PROCESS**
[54] **PROCEDE DE TETRAMERISATION D'ETHYLENE CONTINU**
[72] ZORICAK, PETER, CA
[72] BROWN, STEPHEN J., CA
[72] CHISHOLM, P. SCOTT, CA
[73] NOVA CHEMICALS CORPORATION,
[86] (2800268)
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[25] EN
[54] **ICE CONFECTION COMPRISING GELATIN**
[54] **FRIANDISE GLACEE COMPRENANT DE LA GELATINE**
[72] JUDGE, DAVID JOHN, GB
[73] UNILEVER PLC,
[85] 2012-11-22
[86] 2011-05-31 (PCT/EP2011/058986)
[87] (WO2011/151345)
[30] EP (10164883.0) 2010-06-03

[11] **2,800,952**
[13] C
[51] **Int.Cl. H01Q 21/00 (2006.01) H01Q 21/24 (2006.01)**
[25] FR
[54] **VERY THIN LINEAR ORTHOGONAL DUAL-POLARISED WIDE BAND COMPACT ANTENNA OPERATING IN V/UHF BANDS**
[54] **ANTENNE COMPACTE LARGE BANDE A TRES FAIBLE EPAISSEUR ET A DOUBLE POLARISATIONS LINEAIRES ORTHOGONALES OPERANT DANS LES BANDES V/UHF**
[72] LE MEINS, CYRILLE, FR
[73] THALES,
[86] (2800952)
[87] (2800952)
[22] 2012-12-24
[30] FR (1104121) 2011-12-27

[11] **2,801,776**
[13] C
[51] **Int.Cl. A61J 15/00 (2006.01) A23L 19/00 (2016.01) A23L 33/00 (2016.01)**
[25] EN
[54] **METHODS FOR ADMINISTERING TUBE FEED FORMULATIONS**
[54] **PROCEDES D'ADMINISTRATION DE FORMULATIONS D'ALIMENTATION PAR SONDE**
[72] MAGER, JENNIFER, US
[72] ROUGHEAD, ZAMZAM FARIBA, US
[72] STORM, HEIDI, US
[72] TERESI, JAMES SCOTT, US
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2012-12-05
[86] 2011-06-28 (PCT/US2011/042156)
[87] (WO2012/006078)
[30] US (61/359,184) 2010-06-28
[30] US (61/451,272) 2011-03-10

[11] **2,802,787**
[13] C
[51] **Int.Cl. A01N 43/713 (2006.01) A01N 47/06 (2006.01) A01N 47/40 (2006.01) A01N 51/00 (2006.01) A01N 53/06 (2006.01) A01N 53/08 (2006.01) A01P 3/00 (2006.01) A01P 5/00 (2006.01) A01P 7/00 (2006.01) A01P 9/00 (2006.01)**
[25] EN
[54] **ACTIVE SUBSTANCE COMBINATIONS WITH INSECTICIDE AND ACARICIDE PROPERTIES**
[54] **ASSOCIATIONS DE PRINCIPES ACTIFS PRESENTANT DES PROPRIETES INSECTICIDES ET ACARICIDES**
[72] FUNKE, CHRISTIAN, DE
[72] HUNGENBERG, HEIKE, DE
[72] FISCHER, RUEDIGER, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT,
[85] 2012-12-14
[86] 2011-06-16 (PCT/EP2011/059988)
[87] (WO2011/157778)
[30] US (61/356,224) 2010-06-18
[30] EP (10166439.9) 2010-06-18

[11] **2,802,884**
[13] C
[51] **Int.Cl. A61L 15/26 (2006.01) A61F 13/02 (2006.01) A61L 15/46 (2006.01) G01N 33/15 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL SILICONE-BASED WOUND DRESSINGS**
[54] **PANSEMENTS ANTIMICROBIENS A BASE DE SILICONE**
[72] YANG, LIU, CA
[72] DITIZIO, VALERIO, CA
[73] COVALON TECHNOLOGIES INC.,
[85] 2012-12-17
[86] 2011-06-17 (PCT/CA2011/000712)
[87] (WO2011/156910)
[30] US (61/355,725) 2010-06-17

[11] **2,802,937**
[13] C
[51] **Int.Cl. C07D 277/56 (2006.01) A61K 31/425 (2006.01) A61P 19/06 (2006.01)**
[25] EN
[54] **POLYMORPHS OF FEBUXOSTAT**
[54] **POLYMORPHIES DE FEBUXOSTAT**
[72] HOTTER, ANDREAS, AT
[72] GRIESSER, ULRICH, AT
[72] ADAMER, VERENA, AT
[72] LANGES, CHRISTOPH, AT
[73] SANDOZ AG,
[85] 2012-12-17
[86] 2011-06-24 (PCT/EP2011/060630)
[87] (WO2011/161245)
[30] EP (10167344.0) 2010-06-25

[11] **2,803,076**
[13] C
[51] **Int.Cl. B64C 23/06 (2006.01)**
[25] EN
[54] **WING TIP DEVICE**
[54] **DISPOSITIF DE POINTE D'AILE**
[72] WRIGHT, CHRISTOPHER, GB
[72] CHU, JAMES K., GB
[72] HIMISCH, JAN, DE
[73] AIRBUS OPERATIONS LIMITED,
[73] AIRBUS OPERATIONS GMBH,
[85] 2012-12-18
[86] 2011-07-07 (PCT/EP2011/061552)
[87] (WO2012/007358)
[30] GB (1011843.8) 2010-07-14

[11] **2,803,322**
[13] C
[51] **Int.Cl. C12N 1/20 (2006.01) A23C 11/10 (2006.01) A61K 8/49 (2006.01) A61K 8/64 (2006.01) A61K 31/352 (2006.01) A61K 36/48 (2006.01) A61K 38/16 (2006.01) C12P 1/04 (2006.01) C12P 17/02 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **FERMENTED SOYA BASED MIXTURE COMPRISING ISOFLAVONES-AGLICONES, EQUOL ANDLUNASIL, PROCESS FOR THE PREPARATION AND USES THEREOF IN FOOD, MEDICAL AND COSMETIC FIELDS.**
[54] **MELANGE A BASE DE SOYA FERMENTE RENFERMANT DES ISOFLAVONES-AGLICONES, DEL'EQUOL ET DU LUNASIL, PROCEDE DE PREPARATION ET UTILISATIONS ASSOCIES DANS LES DOMAINES DE L'ALIMENTATION,DE LA MEDECINE ET DES COSMETIQUES**
[72] GIULIANI, GIAMMARIA, IT
[72] BENEDUSI, ANNA, IT
[72] GOBBETTI, MARCO, IT
[72] DI CAGNO, RAFFAELLA, IT
[72] BARONI, SERGIO, IT
[72] RIZZELLO, CARLO GIUSEPPE, IT
[73] GIULIANI S.P.A.,
[85] 2012-12-19
[86] 2011-07-11 (PCT/IT2011/000240)
[87] (WO2012/007978)
[30] IT (RM2010A000378) 2010-07-12

[11] **2,803,426**
[13] C
[51] **Int.Cl. B65H 18/08 (2006.01) B65H 35/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR WINDING OF FIBER WEBS, ESPECIALLY OF PAPER AND BOARD WEBS**
[54] **PROCEDE ET DISPOSITIF POUR ENROULER DES BANDES FIBREUSES, NOTAMMENT DES BANDES DE PAPIER ET DE CARTON**
[72] HAAPANEN, JAAKKO, FI
[72] VIRTA, HENRY, FI
[72] FOHR, HEIKKI, FI
[73] VALMET TECHNOLOGIES, INC.,
[86] (2803426)
[87] (2803426)
[22] 2013-01-30
[30] EP (EP12164212) 2012-04-16

[11] **2,804,304**
[13] C
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61K 31/4545 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/5377 (2006.01) A61K 31/5386 (2006.01) C07D 413/00 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUNDS AND USES THEREOF**
[54] **COMPOSES HETEROCYCLIQUES ET LEURS UTILISATIONS**
[72] REN, PINGDA, US
[72] LIU, YI, US
[72] LI, LIANSHENG, US
[72] CHAN, KATRINA, US
[72] WILSON, TROY EDWARD, US
[72] CAMPBELL, SIMON FRASER, GB
[73] INTELLIKINE, LLC,
[85] 2012-11-26
[86] 2011-05-24 (PCT/US2011/037742)
[87] (WO2011/149937)
[30] US (61/347,814) 2010-05-24
[30] US (61/426,466) 2010-12-22
[30] US (61/445,981) 2011-02-23

[11] **2,804,735**
[13] C
[51] **Int.Cl. A62B 1/08 (2006.01) A63B 29/00 (2006.01) A63B 27/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PROTECTION DURING ASCENT**
[54] **DISPOSITIF ET PROCEDE DE SECURISATION D'ASCENSION**
[72] BAUM, CHRISTOPH, DE
[73] BOETTCHER, ANDREA,
[85] 2013-01-08
[86] 2011-05-12 (PCT/EP2011/057731)
[87] (WO2012/004033)
[30] DE (10 2010 031 208.8) 2010-07-09

[11] **2,805,450**
[13] C
[51] **Int.Cl. C10G 5/06 (2006.01) C10L 3/12 (2006.01)**
[25] EN
[54] **NGL RECOVERY FROM NATURAL GAS USING A MIXED REFRIGERANT**
[54] **RECUPERATION DES LIQUIDES DU GAZ NATUREL AU MOYEN D'UN FRIGORIGENE MELANGE**
[72] CURRENCE, KEVIN L., US
[73] BLACK & VEATCH CORPORATION,
[86] (2805450)
[87] (2805450)
[22] 2013-02-08
[30] US (13/402,349) 2012-02-22

[11] **2,806,268**
[13] C
[51] **Int.Cl. B60T 15/02 (2006.01) B60T 17/18 (2006.01) F16D 65/14 (2006.01)**
[25] EN
[54] **SPRING BRAKE ACTUATOR WITH A CAGING BOLT BEARING JOINING A PRESSURE PLATE AND ACTUATOR TUBE**
[54] **CYLINDRE DE FREIN A RESSORT AVEC COUSSINET A BOULON DE BLOCAGE UNISSANT UNE PLAQUE DE PRESSION ET UN TUBE D'ACTIONNEUR**
[72] BRADFORD, AARON C., US
[72] FISHER, ALBERT D., US
[73] HALDEX BRAKE PRODUCTS CORPORATION,
[86] (2806268)
[87] (2806268)
[22] 2013-02-15
[30] US (13/422,355) 2012-03-16

[11] **2,806,760**
[13] C
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/074 (2010.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **LIVER ORGANOID, USES THEREOF AND CULTURE METHOD FOR OBTAINING THEM**
[54] **ORGANOIDE HEPATIQUE, SES UTILISATIONS, ET PROCEDE DE CULTURE PERMETTANT DE L'OBTENIR**
[72] HUCH ORTEGA, MERITXELL, NL
[72] CLEVERS, JOHANNES CAROLUS, NL
[73] KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN,
[85] 2013-01-28
[86] 2011-07-29 (PCT/IB2011/002167)
[87] (WO2012/014076)
[30] US (61/368,736) 2010-07-29
[30] EP (10171265.1) 2010-07-29
[30] US (61/520,569) 2011-06-10

[11] **2,806,785**
[13] C
[51] **Int.Cl. F28D 1/04 (2006.01) F02C 7/141 (2006.01) F02C 7/224 (2006.01)**
[25] EN
[54] **FUEL AIR HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR CARBURANT/AIR**
[72] PROCIW, LEV ALEXANDER, US
[72] HAWIE, EDUARDO, CA
[73] PRATT & WHITNEY CANADA CORP.,
[86] (2806785)
[87] (2806785)
[22] 2013-02-20
[30] US (13/404,789) 2012-02-24

[11] **2,807,593**
[13] C
[51] **Int.Cl. A61B 17/72 (2006.01) A61B 17/80 (2006.01) A61B 17/86 (2006.01)**
[25] EN
[54] **METHOD FOR JOINING TWO OR MORE SEGMENTS OF A SURGICAL IMPLANT**
[54] **METHODE DE FUSION D'AU MOINS DEUX SEGMENTS D'UN IMPLANT CHIRURGICAL**
[72] VOISARD, CYRIL, CH
[72] FRIGG, ROBERT, CH
[72] THORWARTH, GOETZ, CH
[73] DEPUY SYNTHES PRODUCTS, INC.,
[85] 2013-02-05
[86] 2011-09-15 (PCT/US2011/051771)
[87] (WO2012/040033)
[30] US (61/384,537) 2010-09-20

[11] **2,807,798**
[13] C
[51] **Int.Cl. C08L 23/10 (2006.01) C08L 23/14 (2006.01)**
[25] EN
[54] **FABRICATED ARTICLES COMPRISING POLYOLEFINS**
[54] **ARTICLES FABRIQUES COMPRENANT DES POLYOLEFINES**
[72] CROWN, ALECHIA, US
[72] CLAASEN, GERT, CH
[72] DEGROOT, JACQUELYN, US
[72] GUDMUNDSSON, THOR, US
[72] CROSBY, CHARLES, US
[72] TAU, LI-MIN, US
[72] KAARTO, JOHN, US
[73] BRASKEM AMERICA, INC.,
[85] 2013-02-07
[86] 2011-07-19 (PCT/US2011/044517)
[87] (WO2012/024049)
[30] US (12/859,499) 2010-08-19
[30] US (12/859,500) 2010-08-19

[11] **2,807,973**
[13] C
[51] **Int.Cl. A61G 17/04 (2006.01) A61G 17/00 (2006.01)**
[25] EN
[54] **CASKET WITH APPLIQUE CAP PANEL INSERT**
[54] **CERCUEUIL AVEC INSERTION D'UNE APPLIQUE SUR LE PANNEAU DE FERMETURE**
[72] DREW, TRAVIS EDWARD, US
[72] PARKER, DANIEL J., US
[73] BATESVILLE SERVICES, INC.,
[86] (2807973)
[87] (2807973)
[22] 2013-03-01
[30] US (61/608,254) 2012-03-08

[11] **2,808,064**
[13] C
[51] **Int.Cl. B64C 25/60 (2006.01) B64C 25/22 (2006.01) F15B 15/14 (2006.01) F16F 9/06 (2006.01) F16F 9/56 (2006.01)**
[25] EN
[54] **HYDRAULIC STRUT ASSEMBLY FOR SEMI-LEVERED LANDING GEAR**
[54] **JAMBE DE SUSPENSION HYDRAULIQUE POUR TRAIN D'ATTERRISSAGE PARTIELLEMENT MANOEUVRE**
[72] LINDAHL, GARY M., US
[72] NELSON, ERIC HOWARD, US
[72] MELLOR, MITCHELL LOREN RAY, US
[73] THE BOEING COMPANY,
[86] (2808064)
[87] (2808064)
[22] 2013-02-28
[30] US (13/474,332) 2012-05-17

[11] **2,808,274**
[13] C
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IN-DEVICE INTERFERENCE MITIGATION**
[54] **PROCEDES ET SYSTEMES POUR UNE ATTENUATION D'INTERFERENCES A L'INTERIEUR D'UN DISPOSITIF**
[72] TERRY, STEPHEN E., US
[72] GOMES, SYLVIE, US
[72] COMSA, VIRGIL, CA
[72] PANI, DIANA, CA
[72] CAVE, CHRISTOPHER, CA
[73] INTERDIGITAL PATENT HOLDINGS, INC.,
[85] 2013-02-13
[86] 2011-08-13 (PCT/US2011/047697)
[87] (WO2012/021879)
[30] US (61/373,539) 2010-08-13
[30] US (61/389,030) 2010-10-01
[30] US (61/410,645) 2010-11-05
[30] US (61/430,704) 2011-01-07
[30] US (61/441,963) 2011-02-11
[30] US (61/471,060) 2011-04-01

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[13] C
[51] **Int.Cl. A61J 7/00 (2006.01) B65B 5/08 (2006.01) B65B 67/00 (2006.01)**
[25] EN
[54] **BLISTER SHEET HOLDER FOR THE VERIFICATION OF THE CONTENTS THEREOF**
[54] **SUPPORT DE PLAQUETTES ALVEOLEES PERMETTANT LA VERIFICATION DE SON CONTENU**
[72] MILANTE, SANDRINE, CA
[73] ECOLOPHARM INC.,
[86] (2811030)
[87] (2811030)
[22] 2013-04-03

[11] **2,811,264**
[13] C
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **CATHETER APPARATUSES HAVING MULTI-ELECTRODE ARRAYS FOR RENAL NEUROMODULATION AND ASSOCIATED SYSTEMS AND METHODS**
[54] **APPAREILS A CATHETER AYANT DES RESEAUX MULTI-ELECTRODES POUR NEUROMODULATION NEURALE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] MAUCH, KEVIN, US
[72] CHANG, WILLIAM, US
[72] GOSHGARIAN, JUSTIN, US
[72] RIVERA, LEONILA, US
[72] ROTHMAN, MARTIN, US
[73] MEDTRONIC ARDIAN LUXEMBOURG S.A.R.L.,
[85] 2013-03-12
[86] 2011-10-25 (PCT/US2011/057756)
[87] (WO2012/061161)
[30] US (61/406,531) 2010-10-25
[30] US (61/406,960) 2010-10-26
[30] US (61/572,290) 2011-01-28
[30] US (61/528,001) 2011-08-26
[30] US (61/528,086) 2011-08-26
[30] US (61/528,108) 2011-08-26
[30] US (61/528,091) 2011-08-26
[30] US (61/528,684) 2011-08-29
[30] US (61/546,512) 2011-10-12

[11] **2,812,615**
[13] C
[51] **Int.Cl. E01F 9/646 (2016.01) E01F 9/60 (2016.01) E04H 12/00 (2006.01)**
[25] EN
[54] **ROTATING CANTILEVER POST**
[54] **POTEAU ROTATIF EN PORTE-A-FAUX**
[72] OLIVER, JAMES, AU
[72] BORKOWSKY, BOLLE, AU
[73] OLIVER, JAMES,
[73] BORKOWSKY, BOLLE,
[85] 2013-03-26
[86] 2011-10-07 (PCT/AU2011/001287)
[87] (WO2012/045126)
[30] AU (2010904484) 2010-10-07

[11] **2,816,251**
[13] C
[51] **Int.Cl. H01L 51/00 (2006.01)**
[25] FR
[54] **ELECTRICAL CONDUCTION BY MEANS OF SUPRAMOLECULAR ASSEMBLIES OF TRIARYLAMINES**
[54] **CONDUCTION ELECTRIQUE PAR DES ASSEMBLAGES SUPRAMOLECULAIRES DE TRIARYLAMINES**
[72] GIUSEPPONE, NICOLAS, FR
[72] DAYEN, JEAN-FRANCOIS, FR
[72] FARAMARZI, VINA, FR
[72] MOULIN, EMILIE, FR
[72] NIESS, FREDERIC, FR
[72] DOUDIN, BERNARD, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S),
[73] UNIVERSITE DE STRASBOURG,
[85] 2013-04-26
[86] 2011-10-28 (PCT/FR2011/052529)
[87] (WO2012/093210)
[30] FR (1058954) 2010-10-29
[30] US (61/418645) 2010-12-01

[11] **2,817,338**
[13] C
[51] **Int.Cl. B60K 37/06 (2006.01)**
[25] EN
[54] **LEVER DEVICE**
[54] **DISPOSITIF A LEVIER**
[72] AOKI, YO, JP
[72] WAKITA, HIDEKAZU, JP
[73] VALEO JAPAN CO., LTD.,
[86] (2817338)
[87] (2817338)
[22] 2013-05-30
[30] JP (2012-145898) 2012-06-28

[11] **2,817,343**
[13] C
[51] **Int.Cl. E21B 43/04 (2006.01) E21B 33/127 (2006.01) E21B 43/02 (2006.01) E21B 43/08 (2006.01) E21B 43/10 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **DOWNHOLE METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE FORATION DESCENDANTE**
[72] BRUCE, STEPHEN EDMUND, GB
[72] KENT, STEPHEN, GB
[72] MCCANN, DOMINIC PATRICK JOSEPH, GB
[72] NOBLETT, DAVID ALLAN, GB
[72] GRANT, DAVID, GB
[73] HALLIBURTON MANUFACTURING AND SERVICES LIMITED,
[85] 2013-05-08
[86] 2011-11-16 (PCT/GB2011/001617)
[87] (WO2012/066290)
[30] GB (1019358.9) 2010-11-16

[11] **2,817,461**
[13] C
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/27 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR ADMINISTERING AN ACTIVE SUBSTANCE**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR L'ADMINISTRATION D'UN PRINCIPE ACTIF**
[72] LANGER, BRITTA, DE
[72] SCHURAD, BJOERN, DE
[72] PRINZ, HEIKE, DE
[73] LUYE PHARMA AG,
[85] 2013-05-09
[86] 2011-12-14 (PCT/EP2011/072812)
[87] (WO2012/080365)
[30] EP (10194968.3) 2010-12-14

[11] **2,818,895**
[13] C
[51] **Int.Cl. C07D 493/04 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF (3R, 3AS, 6AR)-HEXAHYDROFURO [2,3-B] FURAN-3-OL**
[54] **PROCEDE POUR LA PREPARATION DE (3R,3AS,6AR)-HEXAHYDROFURO[2,3-B]FURAN-3-OL**
[72] VELLENKI, SIVA RAMA PRASAD, IN
[72] SAHU, ARABINDA, IN
[72] SHIMPI, NITIN ASHOK, IN
[72] PONNURU, ANIL KUMAR, IN
[72] KOTHARI, SATISH BABU, IN
[73] MYLAN LABORATORIES LIMITED,
[85] 2013-05-23
[86] 2011-07-14 (PCT/IN2011/000470)
[87] (WO2012/070057)
[30] IN (3518/CHE/2010) 2010-11-23

[11] **2,819,009**
[13] C
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/502 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED BENZOPYRAZIN DERIVATIVES AS FGFR KINASE INHIBITORS FOR THE TREATMENT OF CANCER DISEASES**
[54] **DERIVES DE BENZOPYRAZINE SUBSTITUEE EN TANT QU'INHIBITEURS DE LA FGFR KINASE POUR LE TRAITEMENT DE MALADIES CANCEREUSES**
[72] BERDINI, VALERIO, GB
[72] SAXTY, GORDON, GB
[72] MURRAY, CHRISTOPHER WILLIAM, GB
[72] BESONG, GILBERT EBAI, DE
[72] HAMLETT, CHRISTOPHER CHARLES FREDERICK, GB
[72] WOODHEAD, STEVEN JOHN, US
[72] LIGNY, YANNICK AIME EDDY, FR
[72] ANGIBAUD, PATRICK RENE, FR
[73] ASTEX THERAPEUTICS LIMITED,
[85] 2013-05-24
[86] 2011-11-29 (PCT/GB2011/052356)
[87] (WO2012/073017)
[30] GB (1020179.6) 2010-11-29
[30] US (61/417,744) 2010-11-29

[11] **2,819,030**
[13] C
[51] **Int.Cl. C23C 18/44 (2006.01) A61L 29/10 (2006.01) A61L 29/12 (2006.01) B05D 3/10 (2006.01)**
[25] EN
[54] **DEPOSITION OF A SILVER LAYER ON A NONCONDUCTING SUBSTRATE**
[54] **DEPOT D'UNE COUCHE D'ARGENT SUR UN SUBSTRAT NON CONDUCTEUR**
[72] TERRY, RICHARD N., US
[72] CHEN, FUNG BOR, US
[72] YIN, ZHIHUI, US
[73] C.R. BARD, INC.,
[85] 2013-05-24
[86] 2011-11-23 (PCT/US2011/062086)
[87] (WO2012/071536)
[30] US (61/417,305) 2010-11-26
[30] US (61/421,901) 2010-12-10

[11] **2,819,369**
[13] C
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[25] EN
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[72] CASEY, MATTHEW R., US
[73] GOOGLE LLC,
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[25] EN
[54] **SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT DE LA DOULEUR PAR LE BIAIS D'UNE STIMULATION NEURONALE DES FIBRES**
[72] BENNETT, MARIA E., US
[72] BOGGS, JOSEPH W., II, US
[72] GRILL, WARREN M., US
[72] CHAE, JOHN, US
[73] SPR THERAPEUTICS, INC.,
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[54] **INOCULANTS INCLUDING BACILLUS BACTERIA FOR INDUCING PRODUCTION OF VOLATILE ORGANIC COMPOUNDS IN PLANTS**
[54] **AGENTS D'INOCULATION INCLUANT DES BACTERIES BACILLUS POUR L'INDUCTION DE LA PRODUCTION DE COMPOSES ORGANIQUES VOLATILS CHEZ LES VEGETAUX**
[72] KLOEPPER, JOSEPH W., US
[72] FADAMIRO, HENRY Y., US
[72] NGUMBI, ESTHER N., KE
[72] NANGLE, KATE W., US
[73] AUBURN UNIVERSITY,
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[54] **POLYMERES FONCTIONNALISES**
[72] KWIATKOWSKI, MAREK, SE
[73] QUIAPEG PHARMACEUTICALS AB,
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[54] **ENVELOPPE THERAPEUTIQUE RENFORCEE ET PROCEDE CORRESPONDANT**
[72] LOWE, MARK H., US
[72] BOWMAN, KRISTER, US
[73] COOLSYSTEMS, INC.,
[85] 2013-06-18
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[54] **PROCEDE ET APPAREIL POUR FABRIQUER UN ENSEMBLE SEPARATEUR**
[72] WANG, CHEN, US
[72] ANDERSON, TODD ALAN, US
[72] LU, SU, US
[72] LI, HUA, US
[72] LIU, ZHEN, US
[72] HUANG, JIE, US
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[73] BL TECHNOLOGIES, INC.,
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[54] **SAFETY AND DESCENDER DEVICE**
[54] **DISPOSITIF DE SECURITE ET DESCENDEUR**
[72] PAGLIOLI, CARLO, IT
[73] ALUDESIGN S.P.A.,
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[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE SUSPENSION**
[72] LI, ALFRED, US
[72] LEE, CHRIS C., US
[72] NELSON, CHRIS, US
[72] CHAN, CESAR, US
[72] SONG, WEIXIN DAVID, US
[72] WITTBOLD, JAMES, US
[73] UNITED STATES GYPSUM COMPANY,
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[54] **TOCODYNAMOMETRE PNEUMATIQUE**
[72] ESWARAN, HARI, US
[72] LOWERY, CURTIS L., US
[72] WILSON, JAMES D., US
[73] BIOVENTURES, LLC,
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[54] **PROCEDES DE PREPARATION D'ISOQUINOLINONES ET DE FORMES SOLIDES D'ISOQUINOLINONES**
[72] MARTIN, MICHAEL, US
[72] ISBESTER, PAUL, US
[72] LANE, BENJAMIN S., US
[72] KROPP, JASON, US
[72] REN, PINGDA, US
[73] INFINITY PHARMACEUTICALS, INC.,
[85] 2013-07-09
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[54] **ANTIBODIES AGAINST HUMAN IL33R AND USES THEREOF**
[54] **ANTICORPS CONTRE IL33R HUMAIN ET SES UTILISATIONS**
[72] FERTIG, GEORG, DE
[72] GEORGES, GUY, DE
[72] KALUZA, KLAUS, DE
[72] LIFKE, VALERIA, DE
[72] MOELLEKEN, JOERG, DE
[72] OFFNER, SONJA, DE
[72] PASHINE, ACHAL, US
[72] SEEBER, STEFAN, DE
[72] FISCHER, JENS, DE
[73] F. HOFFMANN-LA ROCHE AG,
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[54] **HANGING DROPLET PLATE**
[54] **PLAQUE A GOUTTELETTE SUSPENDUE**
[72] FATTINGER, CHRISTOF, CH
[72] IAIZA, PATRICK, FR
[72] KISSLING, TOM, CH
[72] VOEGELIN, DIETER, CH
[72] ZUMSTEIN, THOMAS, DE
[72] MCGINNIS, CLAUDIA, CH
[73] F. HOFFMANN-LA ROCHE AG,
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[54] **IL17 AND IFN-GAMMA INHIBITION FOR THE TREATMENT OF AUTOIMMUNE INFLAMMATION**
[54] **INHIBITION DE L'IL17 ET DE L'IFN-GAMMA DANS LE TRAITEMENT D'UNE INFLAMMATION AUTOIMMUNE**
[72] LEBAN, JOHANN, DE
[72] TASLER, STEFAN, DE
[72] SAEB, WAEL, DE
[72] CHEVRIER, CARINE, DE
[73] 4SC DISCOVERY GMBH,
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[51] **Int.Cl. A01K 7/06 (2006.01)**
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[54] **DEVICE AND METHOD FOR ADMINISTERING ORAL DISINFECTING SOLUTIONS AND OTHER MEDICAMENTS**
[54] **DISPOSITIF ET PROCEDE D'ADMINISTRATION DE SOLUTIONS DE DESINFECTION BUCCALE ET AUTRES MEDICAMENTS**
[72] RICHARDS, JAMES C., US
[73] ASSURE PET HEALTH, INC.,
[85] 2013-07-31
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[54] **SYSTEME DE LEVAGE DE BANDE POUR STORES**
[72] STRAND, TORALF HOLTE, US
[73] HUNTER DOUGLAS INC.,
[85] 2013-08-06
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[25] EN
[54] **LEAK DETECTION, CONTAINMENT AND CUTTOFF SYSTEM FOR A PIPELINE OR OTHER CONDUIT**
[54] **SYSTEME D'INTERRUPTION, DE RETENUE ET DE DETECTION DES FUITES POUR UN PIPELINE OU AUTRE CONDUIT**
[72] NOVAK, ROBERT J., CA
[73] NOVAK, ROBERT J.,
[86] (2827826)
[87] (2827826)
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[54] **UNIDIRECTIONAL ORIENTED POLYETHYLENE-BASED HEAT SHRINKABLE POLYMERIC LABEL**
[54] **ETIQUETTE POLYMERE THERMORETRACTABLE A BASE DE POLYETHYLENE A ORIENTATION UNIDIRECTIONNELLE**
[72] MCKILLIP, BARRON G., US
[72] HOSTETTER, BARRY, US
[72] WIEGAND, EDWARD, US
[72] WEYERMANN, ULRICH E., US
[72] MARTIN, WILLIAM J., US
[73] CCL LABEL, INC.,
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[54] **INSTRUMENT D'AGRAFAGE CHIRURGICAL**
[72] BAXTER, CHESTER O., III, US
[72] DUNKI-JACOBS, ADAM R., US
[72] BEDI, JAMES J., US
[72] VASUDEVAN, VENKATARAMANAN MANDAKOLATHUR, US
[73] ETHICON ENDO-SURGERY, INC.,
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[54] **DEVICE AND METHOD FOR SEPARATING AIR BY CRYOGENIC DISTILLATION**
[54] **APPAREIL ET PROCEDE DE SEPARATION D'AIR PAR DISTILLATION CRYOGENIQUE**
[72] COGNARD, MARIE, FR
[72] DAVIDIAN, BENOIT, FR
[72] DUBETTIER-GRENIER, RICHARD, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE,
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[54] **PLUNGER TIP COUPLING DEVICE FOR INTRAOCULAR LENS INJECTOR**
[54] **DISPOSITIF DE COUPLAGE D'EMBOUT DE PISTON POUR INJECTEUR DE LENTILLES INTRAOCULAIRES**
[72] CHEN, BILL, US
[73] ALCON INC.,
[85] 2013-08-30
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[54] **USE OF VANADIUM COMPOUNDS FOR MAINTAINING NORMAGLYCEMIA IN A MAMMAL**
[54] **UTILISATION DE COMPOSES DE POUR MAINTENIR LA NORMOGLYCEMIE CHEZ UN MAMMIFERE**
[72] MEIJERINK, HENDRIK JAN CORNELIS, NL
[72] CHANGOER, LEKHRAM, NL
[73] CFM PHARMA HOLDING BV,
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[54] **REMOTE CONTROLLED MOVING PLATFORM FOR A CAMERA**
[54] **PLATEFORME MOBILE TELECOMMANDEE POUR CAMERA**
[72] POLIQUIN, YVES, CA
[73] POLYCOM DESIGN INC.,
[86] (2829729)
[87] (2829729)
[22] 2013-10-15
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[54] **EXTRACTS AND COMPOUNDS FROM FICUS BENGHALENSIS FOR INCREASING HAIR GROWTH AND DECREASING HAIR LOSS**
[54] **EXTRAITS ET COMPOSES DE FICUS BENGHALENSIS DESTINES A AUGMENTER LA CROISSANCE DES CHEVEUX ET A DIMINUER LA CHUTE DES CHEVEUX**
[72] ARMANI, SARA, CA
[72] SENEVIRATNE, CHARITHA, CA
[72] NAZARI, REZA, CA
[72] ARMANI, ANTONIO, CA
[73] ALVI ARMANI GENOMICS INC.,
[85] 2013-09-18
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[51] **Int.Cl. G06F 3/048 (2013.01) H04W 88/02 (2009.01) G06F 3/14 (2006.01)**
[25] EN
[54] **MOBILE TERMINAL AND OBJECT CHANGE SUPPORT METHOD FOR THE SAME**
[54] **TERMINAL MOBILE ET PROCEDE DE PRISE EN CHARGE DE CHANGEMENT D'OBJET POUR CE TERMINAL MOBILE**
[72] HEO, NAM JO, KR
[72] LEE, SANG YUP, KR
[72] KIM, YONG SEOK, KR
[72] SON, KWANG SUB, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2013-09-18
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[54] **BIODEGRADABLE COMPOSITIONS SUITABLE FOR CONTROLLED RELEASE**
[54] **COMPOSITIONS BIODEGRADABLES APPROPRIEES POUR UNE LIBERATION CONTROLEE**
[72] PETIT, AUDREY, NL
[72] BRUIN, PETER, NL
[72] LEEUW DE, MIKE, NL
[72] MEIJBOOM, RONALD, NL
[73] INGELL TECHNOLOGIES HOLDING B.V.,
[85] 2013-09-26
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[51] **Int.Cl. A61B 17/88 (2006.01)**
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[54] **INTERLOCK DRIVING INSTRUMENT**
[54] **INSTRUMENT DE COMMANDE DE VERROUILLAGE**
[72] MURRAY, NICOLE, US
[72] WILSON, FRANK, US
[72] HENNING, KYLE, US
[72] POWELL, SEAN, US
[73] DEPUY SYNTHES PRODUCTS, INC.,
[85] 2013-09-27
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[25] EN
[54] **COMPETITIVE AND EFFECTIVE BRADYRHIZOBIUM JAPONICUM STRAINS**
[54] **SOUCHES DE BRADYRHIZOBIUM JAPONICUM COMPETITIVES ET EFFICACES**
[72] KANG, YAOWEI, US
[72] SMITH, JESSICA, US
[72] SEMONES, SHAWN, US
[72] WOODS, KRISTI, US
[73] NOVOZYMES BIOLOGICALS, INC.,
[85] 2013-09-30
[86] 2012-03-30 (PCT/US2012/031584)
[87] (WO2012/135704)
[30] US (61/470,145) 2011-03-31
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[25] FR
[54] **MODULE FOR MANAGING A TRANSACTION BETWEEN A TERMINAL AND AN ELECTRONIC DEVICE**
[54] **MODULE DE GESTION D'UNE TRANSACTION ENTRE UN TERMINAL ET UN DISPOSITIF ELECTRONIQUE**
[72] EONNET, YVES, FR
[73] TAGATTITUDE,
[85] 2013-10-18
[86] 2012-04-25 (PCT/FR2012/050904)
[87] (WO2012/146871)
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[25] EN
[54] **SYSTEMS AND METHODS FOR SYNTHETIC APERTURE SONAR**
[54] **SYSTEMES ET PROCEDES POUR UN SONAR A SYNTHESE D'OUVERTURE**
[72] RIKOSKI, RICHARD J., US
[73] HADAL, INC.,
[85] 2013-11-05
[86] 2012-05-07 (PCT/US2012/036828)
[87] (WO2012/154694)
[30] US (61/483,549) 2011-05-06

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[13] C
[51] **Int.Cl. G05B 17/02 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ARTIFICIALLY INTELLIGENT MODEL-BASED CONTROL OF DYNAMIC PROCESSES USING PROBABILISTIC AGENTS**
[54] **PROCEDE ET APPAREIL DE COMMANDE BASEE SUR UN MODELE DOTE D'UNE INTELLIGENCE ARTIFICIELLE DE PROCESSUS DYNAMIQUES UTILISANT DES AGENTS PROBALISTES**
[72] WATSON, JEFF, CA
[73] ADEPT AI SYSTEMS INC.,
[86] (2835505)
[87] (2835505)
[22] 2013-11-27

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[25] EN
[54] **METHOD AND APPARATUS FOR USE IN WELL ABANDONMENT**
[54] **PROCEDE ET APPAREIL A UTILISER DANS LA FERMETURE DE PUITS**
[72] CARRAGHER, PAUL, GB
[72] RICHARDS, LEO, GB
[73] BISN TEC LTD,
[85] 2013-11-13
[86] 2011-05-27 (PCT/EP2011/058776)
[87] (WO2011/151271)
[30] GB (1009378.9) 2010-06-04

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[51] **Int.Cl. E21B 4/02 (2006.01) E21B 7/00 (2006.01)**
[25] EN
[54] **MUD MOTOR ASSEMBLY**
[54] **SYSTEME DE MOTEUR A BOUE**
[72] VAIL, WILLIAM BANNING, III, US
[73] SMART DRILLING AND COMPLETION, INC.,
[85] 2013-11-21
[86] 2012-05-23 (PCT/US2012/039172)
[87] (WO2012/162408)
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[54] **COMPOSANT FEMORAL POUR UNE PROTHESE DU GENOU AVEC CARACTERISTIQUES ARTICULAIRES AMELIOREES**
[72] PARISI, RAYMOND C., US
[72] DRURY, NICK, US
[72] BALDRIDGE, CHARLES A., US
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[54] **POLYETHYLENE OBTENU PAR CATALYSE PAR UN METALLOCENE**
[72] VANTOMME, AURELIEN, BE
[72] BERNARD, PIERRE, BE
[72] MICHEL, JACQUES, BE
[72] WILLOCQ, CHRISTOPHER, BE
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[54] **SOUND ATTENUATING LAMINATE MATERIALS**
[54] **MATERIAUX STRATIFIES D'ATTENUATION DES SONS**
[72] CLAUSI, ROBERT N., CA
[72] DILORETO, SALVATORE ANTHONY, CA
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[54] **PROCEDE ET SYSTEME DE FABRICATION D'ATTELAGES DE VEHICULES DE CHEMIN DE FER**
[72] NIBOUAR, F. ANDREW, US
[72] SMERECKY, JERRY R., US
[72] DAY, KELLY S., US
[72] SALAMASICK, NICK, US
[73] BEDLOE INDUSTRIES LLC,
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[72] FURMAN, GARY S., US
[72] FRETTE, GILLIAN, NL
[72] KOENIG, FRANK, DE
[72] MAURER, TOBIAS, DE
[73] NALCO COMPANY,
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[54] **FIXATION PERMANENTE D'AGENTS A DES SURFACES CONTENANT UNE FONCTIONNALITE C-H**
[72] LOCKLIN, JASON J., US
[73] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.,
[85] 2014-01-03
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[54] **SUPERALLIAGE A BASE DE NICKEL FORGEABLE A CHAUD AYANT UNE EXCELLENTE SOLIDITE A HAUTE TEMPERATURE**
[72] OSAKI, MOTOTSUGU, JP
[72] UETA, SHIGEKI, JP
[72] OKAJIMA, TAKUMA, JP
[72] HORI, AYUMI, JP
[73] DAIDO STEEL CO., LTD.,
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[54] **OUTIL DE COUPE OU DE TRAVAIL EN RELIEF POUR CONFISERIES SURGELEES**
[72] AMEND, THOMAS ALOISIUS VALENTINUS, US
[72] SRIDAMA, VISIT, TH
[72] MA, CHANGPU, CN
[73] SOCIETE DES PRODUITS NESTLE S.A.,
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[54] **MINIMAL INCISION REMOVABLE BONE SCREW, DRIVER, AND METHOD OF USE**
[54] **VIS A OS AMOVIBLE A INCISION MINIMALE, TOURNEVIS, ET PROCEDE D'UTILISATION**
[72] HORWITZ, MICHAEL H., US
[73] HORWITZ, MICHAEL H.,
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[54] **MISE EN VALEUR, LANCEE PAR L'UTILISATEUR, D'OBJETS D'UN RESEAU SOCIAL**
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[72] RAJARAM, GOKUL, US
[73] FACEBOOK, INC.,
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[54] **DONNEES DE CAPTEUR TRANSPORTANT LA CAPACITE DE PORTEUSES GENEREES EN PHASE**
[72] SCROFANO, RONALD, US
[73] NORTHROP GRUMMAN GUIDANCE AND ELECTRONICS COMPANY, INC.,
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[54] **POSITIONING DEVICE AND ARTICULATION ASSEMBLY FOR REMOTE POSITIONING OF A TOOL**
[54] **DISPOSITIF DE POSITIONNEMENT ET ENSEMBLE ARTICULATION POUR POSITIONNEMENT A DISTANCE D'UN OUTIL**
[72] PURDY, CRAIG A., US
[72] COLE, DAVID, US
[72] SWOPE, BRETTON, US
[73] BOSTON SCIENTIFIC SCIMED, INC.,
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[54] **METHOD FOR PRODUCING A THREE-DIMENSIONAL OBJECT FROM COMPACTABLE MATERIAL AND THE OBJECT PRODUCED THEREBY**
[54] **PROCEDE DE FABRICATION D'UN OBJET TRIDIMENSIONNEL EN MATIERE DURCISSABLE AINSI QU'OBJET FABRIQUE AU MOYEN DE CE PROCEDE**
[72] KRAIBUHLER, HERBERT, DE
[72] DUFFNER, EBERHARD, DE
[73] ARBURG GMBH + CO. KG,
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[72] GULLA, ANDREA FRANCESCO, US
[72] KRASOVIC, JULIA LYNNE, US
[73] INDUSTRIE DE NORA S.P.A.,
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[54] **AGENTS DE SOUTENEMENT AUTO-SUSPENDUS POUR FRACTURATION HYDRAULIQUE**
[72] MAHONEY, ROBERT P., US
[72] SOANE, DAVID S., US
[72] HERRING, MARIE K., US
[72] KINCAID, KEVIN P., US
[73] SELF-SUSPENDING PROPPANT LLC,
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[54] **A TWO-STAGE GAS WASHING METHOD APPLYING SULFIDE PRECIPITATION AND ALKALINE ABSORPTION**
[54] **PROCEDE DE LAVAGE DE GAZ A DEUX ETAGES APPLIQUANT UNE PRECIPITATION DE SULFURE ET UNE ABSORPTION ALCALINE**
[72] WAHLSTROM, JAN, FI
[72] AITTAMAA, JUHANI, FI
[72] EILOS, ISTO, FI
[72] KESKINEN, KARI I., FI
[72] KOSKINEN, JUKKA, FI
[72] TIITTA, MARJA, FI
[72] VUORI, HELI, FI
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[54] **SYSTEME, PROCEDE ET APPAREIL DE FORMATION ADAPTATIFS**
[72] FALASH, MARK, US
[72] POLLAK, EYTAN, US
[72] BARNOSKE, MICHAEL, US
[73] L3 TECHNOLOGIES, INC.,
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[54] **COMPOSITION REFRACTAIRE COULABLE**
[72] SOUDIER, JEROME, FR
[73] IMERTECH SAS,
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[73] ZODIAC AEROTECHNICS,
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[54] **METHOD FOR ASSEMBLING A STRUCTURE KNOWN AS A BOX STRUCTURE AND STRUCTURE OBTAINED BY SUCH A METHOD**
[54] **PROCEDE POUR L'ASSEMBLAGE D'UNE STRUCTURE DITE CAISSON ET STRUCTURE OBTENUE PAR UN TEL PROCEDE**
[72] BAILLY, DOMINIQUE, FR
[72] HOTTIN, MATHIEU, FR
[73] DAHER AEROSPACE,
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[54] **DERIVES DE 5-FLUOROPYRIMIDINE DISUBSTITUES CONTENANT UN GROUPE SULFOXIMINE**
[72] LUCKING, ULRICH, DE
[72] KOSEMUND, DIRK, DE
[72] SCHOLZ, ARNE, DE
[72] LIENAU, PHILIP, DE
[72] SIEMEISTER, GERHARD, DE
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[54] **SYSTEM AND METHOD FOR THE SAFE SPONTANEOUS TRANSMISSION OF CONFIDENTIAL DATA OVER UNSECURE CONNECTIONS AND SWITCHING COMPUTERS**
[54] **SYSTEME ET PROCEDE POUR LA TRANSMISSION SPONTANEE SECURISEE DE DONNEES CONFIDENTIELLES PAR DES LIAISONS NON SECURISEES ET UN PROCESSEUR DE COMMUTATION**
[72] MAYER, PAVEL, DE
[73] HOCCER GMBH,
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[54] **COMPOSITION DE REVETEMENT ET SON UTILISATION**
[72] WEIJNEN, JOHN, NL
[72] KLOMP, DIRK, NL
[73] PPG EUROPE BV,
[85] 2014-03-25
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[54] **CONTROLEUR PORTATIF AVEC CIRCUIT DE MESURE PAR DEPHASAGE DE L'HEMATOCRITE**
[72] KRAFT, ULRICH, DE
[72] ELDER, DAVID, GB
[72] KERMANI, MAHYAR, US
[73] LIFESCAN SCOTLAND LIMITED,
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[25] EN
[54] **METHOD FOR FUNCTIONALIZING A POROUS MEMBRANE COVERING OF AN OPTICAL SENSOR TO FACILITATE COUPLING OF AN ANTITHROMBOGENIC AGENT**
[54] **PROCEDE POUR FONCTIONNALISER UNE COUVERTURE DE MEMBRANE D'UN CAPTEUR OPTIQUE POUR FACILITER LE COUPLAGE D'UN AGENT ANTITHROMBOGENE**
[72] SURI, JEFF T., US
[72] PATTERSON, ERIC, US
[73] GLUMETRICS, INC.,
[85] 2014-03-26
[86] 2012-09-25 (PCT/US2012/057127)
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[72] SHAW, DARRYL STEVEN, US
[72] SHAW, NEIL GAVIN, US
[73] SARCOTEIN DIAGNOSTICS, LLC,
[85] 2014-03-26
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[54] **DEVICES AND METHODS FOR LOW CURRENT NEURAL MODULATION**
[54] **DISPOSITIFS ET METHODES POUR LA NEUROMODULATION A FAIBLE COURANT**
[72] MASHIACH, ADI, BE
[73] NYXOAH SA,
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[30] US (61/541,651) 2011-09-30
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[54] **ENVIRONMENTALLY FRIENDLY TANNING COMPOSITION**
[54] **COMPOSITION DE TANNAGE ECOLOGIQUE**
[72] BAGIRAN, CUNEYIT, NL
[72] BRENDLER, DOMINICUS, DE
[72] WEGENER, FRANK, DE
[73] TAMINCO FINLAND OY,
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[54] **PROCEDE ET APPAREIL DE SYNCHRONISATION DE TRAJECTOIRES DE TRAFIC AERIEN DYNAMIQUE**
[72] CHAN, DAVID S.K., US
[72] TORRES, SERGIO, US
[72] KLOOSTER, JOEL, US
[73] LEIDOS INNOVATIONS TECHNOLOGY, INC.,
[73] GENERAL ELECTRIC COMPANY,
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[54] **ANIMAL MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE D'UN ANIMAL**
[72] RETTEDAL, NICHOLAS P., US
[72] WEILNAU, STEPHEN M., US
[72] COCKROFT, SCOTT R., US
[72] YEAGER, BILLY J., US
[72] HORNICK, JERRY A., US
[73] ST REPRODUCTIVE TECHNOLOGIES, LLC,
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[54] **INSTRUMENT REPROCESSING METHOD**
[54] **PROCEDE POUR DISPOSITIF DE RETRAITEMENT D'INSTRUMENT**
[72] NGUYEN, NICK N., US
[72] BHAUMIK, UJJAL, US
[72] WILLIAMS, HAL, US
[73] ETHICON, INC.,
[85] 2014-04-15
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[51] **Int.Cl. H03K 17/96 (2006.01)**
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[54] **PIECE OF FURNITURE WITH AN ELECTRONIC SWITCHING ELEMENT FOR AN AIRLINER**
[54] **MEUBLE COMPRENANT UN ELEMENT DE COMMUTATION ELECTRONIQUE POUR AVION DE LIGNE**
[72] WENDE, GERKO, DE
[72] MUIRHEAD, ANDREW, DE
[73] LUFTHANSA TECHNIK AG,
[85] 2014-04-16
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[54] **METHODS AND SYSTEMS FOR SURVEY DESIGNS**
[54] **PROCEDES ET SYSTEMES POUR CONCEPTIONS DE PROSPECTION**
[72] MOLDOVEANU, NICOLAE, US
[72] FEALY, STEVEN, US
[72] DEAL, KEVIN J., US
[73] REFLECTION MARINE NORGE AS,
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[54] **ELECTROCHEMCIAL GAS SENSOR WITH AN IONIC LIQUID AS ELECTROLYTE FOR THE DETECTION OF AMMONIA AND AMINES**
[54] **CAPTEUR DE GAZ ELECTROCHIMIQUE UTILISANT UN LIQUIDE IONIQUE COMME ELECTROLYTE POUR LA DETECTION DE L'AMMONIAC ET D'AMINES**
[72] WARRATZ, RALF, DE
[73] MSA EUROPE GMBH,
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[54] **REPARTITION DE SIGNAUX D'EXCITATION POUR ESSAIS ACOUSTIQUES EN CHAMP DIRECT**
[72] LARKIN, PAUL, US
[72] ISAACS, ARTHUR, US
[72] SULLIVAN, MICHAEL, US
[73] LARKIN, PAUL,
[73] ISAACS, ARTHUR,
[73] SULLIVAN, MICHAEL,
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[25] EN
[54] **HETEROARYL PYRIDONE AND AZA-PYRIDONE COMPOUNDS AS INHIBITORS OF BTK ACTIVITY**
[54] **COMPOSES HETEROARYL PYRIDONES ET AZA-PYRIDONES EN TANT QU'INHIBITEURS DE L'ACTIVITE BTK**
[72] CRAWFORD, JAMES JOHN, US
[72] ORTWINE, DANIEL FRED, US
[72] WEI, BINQING, US
[72] YOUNG, WENDY B., US
[73] F. HOFFMANN-LA ROCHE AG,
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[54] **SYSTEMS AND METHODS FOR CONTROLLING A VARIABLE SPEED WATER PUMP**
[54] **SYSTEMES ET PROCEDES DE COMMANDE D'UNE POMPE A EAU A VITESSE VARIABLE**
[72] PYLE, TRISTAN, US
[72] NEVELS, RENE M.P.A., NL
[73] PACCAR INC,
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[72] WANG, CHANGLU, US
[72] SINGH, NARINDERPAL, US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY,
[85] 2014-05-09
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[54] **CHARRIOT**
[72] CHRISTIE, HUNTLY GORDON, US
[72] ADLER, PERCY, CA
[73] CHRISTIE LITES ENTERPRISES CANADA INC.,
[73] ADLER METAL WORKS LIMITED,
[86] (2855778)
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[54] **POLYOLEFIN FIBER**
[54] **FIBRE DE POLYOLEFINE**
[72] VLASBLOM, MARTIN PIETER, NL
[72] GIJSMAN, PIETER, NL
[73] DSM IP ASSETS B.V.,
[85] 2014-05-14
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[25] EN
[54] **ENDPLATE FOR HOT ISOSTATIC PRESSING CANISTER, HOT ISOSTATIC PRESSING CANISTER, AND HOT ISOSTATIC PRESSING METHOD**
[54] **PLAQUE D'EXTREMITE POUR BOITE A PRESSION ISOSTATIQUE A CHAUD, BOITE A PRESSION ISOSTATIQUE A CHAUD ET PROCEDE DE PRESSION ISOSTATIQUE A CHAUD**
[72] LIPETZKY, PETER, US
[72] PEREZ, JOSEPH F., US
[72] KOSOL, EDWARD A., US
[72] THOMAS, JEAN-PHILIPPE A., US
[73] ATI PROPERTIES LLC,
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[25] EN
[54] **MUSCARINIC M1 RECEPTOR AGONISTS**
[54] **AGONISTES DU RECEPTEUR MUSCARINIQUE M1**
[72] CONGREVE, MILES, GB
[72] BROWN, GILES, GB
[72] CANSFIELD, JULIE, GB
[72] TEHAN, BENJAMIN, GB
[73] HEPTARES THERAPEUTICS LIMITED,
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[54] **SURGICAL ROD BENDING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PLIAGE DE TIGE CHIRURGICALE**
[72] CRAWFORD, NEIL R., US
[72] THEODORE, NICHOLAS, US
[72] REYES, PHILIP M., US
[72] NEWCOMB, ANNA G.U.S., US
[72] BAEK, SEUNGWON, US
[73] DIGNITY HEALTH,
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[25] EN
[54] **AGENT AND METHOD FOR COLOURING KERATIN FIBRES**
[54] **AGENTS ET PROCEDE POUR TEINDRE LES FIBRES KERATINIQUES**
[72] MARTON, ISTVAN, AT
[73] GW COSMETICS GMBH,
[85] 2014-05-26
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[54] **DOUBLE-WALLED CONTAINER**
[54] **CONTENEUR A DOUBLE PAROI**
[72] BROWN, ALEXANDER, US
[73] DART CONTAINER CORPORATION,
[86] (2856939)
[87] (2856939)
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[25] EN
[54] **WOUND DRESSING FOR USE IN VACUUM THERAPY**
[54] **PANSEMENT POUR LES PLAIES A UTILISER DANS UN TRAITEMENT SOUS VIDE**
[72] BONNEFIN, WAYNE, GB
[72] WROE, SARAH, GB
[72] PRENTICE, AMELIA, GB
[73] CONVATEC TECHNOLOGIES INC,
[85] 2014-05-30
[86] 2012-11-29 (PCT/GB2012/052950)
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[54] **PATIENT TRANSFER DEVICE**
[54] **DISPOSITIF DE TRANSFERT DE PATIENT**
[72] PIEGDON, SAMUEL, US
[72] MANUNTA, ALEJANDRO, US
[73] ARJOHUNTLEIGH,
[85] 2014-06-02
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[25] EN
[54] **THERMOSET POLYURETHANE FOAM CONTAINING BROMINATED POLYMERIC FLAME RETARDANT**
[54] **MOUSSE DE POLYURETHANE THERMODURCIE COMPRENANT UN RETARDATEUR DE FLAMME POLYMERE BROME**
[72] CRAIN, STEVEN P., US
[72] STOBBY, WILLIAM G., US
[72] MORGAN, TED A., US
[72] YOUMANS, DANIEL T., US
[73] DOW GLOBAL TECHNOLOGIES LLC,
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[25] EN
[54] **METHOD FOR SEPARATING ARSENIC AND HEAVY METALS IN AN ACIDIC WASHING SOLUTION**
[54] **PROCEDE DE SEPARATION D'ARSENIC ET DE METAUX LOURDS DANS UNE SOLUTION DE LAVAGE ACIDE**
[72] ANTE, ANGELA, DE
[72] HOFMANN, MARC-PETER, DE
[73] EISENMANN AG,
[85] 2014-06-06
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[54] **ADHESIVE-BASED VARICOSE VEIN TREATMENT**
[54] **TRAITEMENT DE VARICES FONDE SUR UNE SUBSTANCE ADHESIVE**
[72] MARANO, JOHN P., JR., US
[72] TAL, MICHAEL, US
[73] MERIT MEDICAL SYSTEMS, INC.,
[85] 2014-06-06
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[25] EN
[54] **HIGH TEMPERATURE RESISTANCE, RADIATION CURABLE MASKANT FOR METAL SUBSTRATES**
[54] **AGENT DE MASQUAGE DURCISSABLE PAR RAYONNEMENT A HAUTE RESISTANCE THERMIQUE POUR SUBSTRATS METALLIQUES**
[72] NEBIOGLU, AHMET, US
[72] MORIN, MICHAEL A., US
[72] CAYER, CHRISTOPHER ALAN, US
[72] RAHIM, MARUFUR, US
[73] DYMAX CORPORATION,
[86] (2858770)
[87] (2858770)
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[25] EN
[54] **SENSOR-ENABLED GATE VALVE**
[54] **ROBINET-VANNE A ACTIVATION PAR CAPTEUR**
[72] FLEURY, LEO W., US
[72] ROY, NORMAND JAMES, US
[72] WILLIAMS, JAMES OLA, US
[72] CLARK, KENNETH A., US
[73] MUELLER INTERNATIONAL, LLC,
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[30] US (61/592,321) 2012-01-30
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[54] **SEPARATION DEVICE COMPRISING A SWIRLER**
[54] **DISPOSITIF DE SEPARATION COMPRENANT UNE COUPELLE ROTATIVE**
[72] ALTORF, HUGO, NL
[72] KOPPEN, JANNES, NL
[72] KROON, JOOST JACOBUS, NL
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.,
[85] 2014-06-10
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[54] **A DEVICE TO INCREASE FUEL ECONOMY**
[54] **DISPOSITIF PERMETTANT DE PLUS GRANDES ECONOMIES DE CARBURANT**
[72] YORKE, PETER, US
[72] MALTEZOS, GEORGE, US
[72] VOGT, ROBERT, IV, US
[73] VOYOMOTIVE, LLC,
[85] 2014-06-12
[86] 2012-12-13 (PCT/US2012/069462)
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[30] US (61/576,003) 2011-12-15
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[13] C
[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/01 (2006.01)**
[25] EN
[54] **MILLING BLOCK, METHOD FOR PRODUCING PARTIAL OR TOTAL PROSTHESES, AND COMPLETE MILLING BLOCK SYSTEM**
[54] **BLOC A FRAISER, PROCEDE DE FABRICATION DE PROTHESES PARTIELLES OU COMPLETES, ET SYSTEME DE BLOC A FRAISER COMPLET**
[72] KLINGENBURG, FRIEDHELM, DE
[72] FROLICH, CAROLA, DE
[73] MERZ DENTAL GMBH,
[85] 2014-06-12
[86] 2012-11-09 (PCT/EP2012/004665)
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[30] DE (10 2011 118 320.9) 2011-11-11

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[51] **Int.Cl. G01N 21/55 (2014.01) G01N 21/77 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **DEVICE FOR USE IN THE DETECTION OF BINDING AFFINITIES**
[54] **DISPOSITIF DESTINE A ETRE UTILISE DANS LA DETECTION D'AFFINITES DE LIAISON**
[72] FATTINGER, CHRISTOF, CH
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2014-06-20
[86] 2013-01-17 (PCT/EP2013/050825)
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[30] EP (12151436.8) 2012-01-17

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[51] **Int.Cl. C07C 7/20 (2006.01) C07C 7/04 (2006.01) C07C 11/02 (2006.01) C11B 5/00 (2006.01)**
[25] EN
[54] **METHODS FOR SUPPRESSING ISOMERIZATION OF OLEFIN METATHESIS PRODUCTS, METHODS OF REFINING NATURAL OILS, AND METHODS OF PRODUCING FUEL COMPOSITIONS**
[54] **PROCEDES DE SUPPRESSION DE L'ISOMERISATION DE PRODUITS DE METATHESE D'OLEFINE, PROCEDES DE RAFFINAGE D'HUILES NATURELLES ET PROCEDES DE PRODUCTION DE COMPOSITIONS DE COMBUSTIBLE**
[72] FIRTH, BRUCE E., US
[72] KIRK, SHARON E., US
[73] ELEVANCE RENEWABLE SCIENCES, INC.,
[85] 2014-06-20
[86] 2012-12-19 (PCT/US2012/070550)
[87] (WO2013/096413)
[30] US (13/335,601) 2011-12-22
[30] US (13/335,517) 2011-12-22

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[13] C
[51] **Int.Cl. E03F 5/10 (2006.01) F16K 15/03 (2006.01) F16K 17/04 (2006.01) G05D 7/01 (2006.01)**
[25] FR
[54] **FLOW-LIMITING DEVICE**
[54] **DISPOSITIF LIMITEUR DE DEBIT**
[72] CURINIER, EMMANUEL, FR
[73] CURINIER, EMMANUEL,
[85] 2014-06-23
[86] 2012-12-24 (PCT/FR2012/053078)
[87] (WO2013/093387)
[30] FR (1104056) 2011-12-23

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[51] **Int.Cl. A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC USE OF IMIDAZOPYRIDINE DERIVATIVES**
[54] **UTILISATION THERAPEUTIQUE DE DERIVES D'IMIDAZOPYRIDINE**
[72] ALCOUFFE, CHANTAL, FR
[72] HEBERT, CORENTIN, FR
[73] SANOFI,
[85] 2014-07-03
[86] 2013-01-03 (PCT/IB2013/050048)
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[30] FR (1250075) 2012-01-04

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[13] C
[51] **Int.Cl. A63B 22/04 (2006.01) A61H 1/02 (2006.01) A63B 22/00 (2006.01)**
[25] EN
[54] **LOWER BODY MIMETIC EXERCISE DEVICE WITH FULLY OR PARTIALLY AUTONOMOUS RIGHT AND LEFT LEG LINKS AND ERGONOMICALLY POSITIONED PIVOT POINTS**
[54] **APPAREIL D'EXERCICE MIMETIQUE POUR LE BAS DU CORPS POURVU DE TRINGLERIES DE PIED DROITES ET GAUCHES PARTIELLEMENT OU ENTIEREMENT AUTONOMES ET DES POINTS DE PIVOTEMENT POSITIONNES DE MANIERE ERGONOMIQUE**
[72] LUGER, NATHAN R., US
[72] COY, THOMAS C., US
[72] NESTANDE, MARK R., US
[72] BOYLES, DANIEL C., US
[72] ROSENOW, CHARLES J., US
[73] OCTANE FITNESS, LLC,
[86] (2860427)
[87] (2860427)
[22] 2014-08-22
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[13] C
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[25] EN
[54] **ARTHROSCOPIC SURGICAL DEVICE**
[54] **DISPOSITIF CHIRURGICAL ARTHROSCOPIQUE**
[72] SHOLEV, MOTI, IL
[72] MELOUL, RAPHAEL, IL
[72] RAZ, RONEN, IL
[72] HARARI, BOAZ, IL
[73] MININVASIVE LTD.,
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[54] **A SEXUAL AID DEVICE WITH AUTOMATIC OPERATION**
[54] **DISPOSITIF D'ASSISTANCE SEXUELLE A FONCTIONNEMENT AUTOMATIQUE**
[72] GOLAN, SHOHAM, IL
[73] GOLAN, SHOHAM,
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[54] **COMPOSITIONS USEFUL AS ANIMAL LITTERS**
[54] **COMPOSITIONS UTILES COMME LITIERES POUR ANIMAUX**
[72] ZHANG, YIMIN, US
[73] SOCIETE DES PRODUITS NESTLE S.A.,
[85] 2014-07-15
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[54] **ANNULAR SEALING IN A ROTATING CONTROL DEVICE**
[54] **JOINT D'ETANCHEITE ANNULAIRE DANS UN DISPOSITIF DE COMMANDE ROTATIF**
[72] HANNEGAN, DON M., US
[72] CHAMBERS, JAMES, US
[72] JACOBS, MELVIN, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,
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[25] EN
[54] **METHOD OF INSTALLING A FOUNDATION IN THE SEA BED AND SUCH FOUNDATION**
[54] **PROCEDE D'INSTALLATION D'UNE FONDATION SUR LE FOND MARIN ET FONDATION**
[72] NIELSEN, SOREN ANDREAS, DK
[72] IBSEN, LARS BO, DK
[73] UNIVERSAL FOUNDATION A/S,
[85] 2014-07-23
[86] 2013-02-08 (PCT/DK2013/050034)
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[25] EN
[54] **LONG-ACTING NANOPARTICULATE ARTHROPOD REPELLENT FORMULATIONS AND METHODS OF USE THEREOF**
[54] **FORMULATIONS NANOPARTICULAIRES A ACTION PROLONGEE DE REPULSIF D'ARTHROPODES ET LEURS PROCEDES D'UTILISATION**
[72] DELAVEAU, JEAN, FR
[72] MINOST, AUDREY, FR
[72] FESSI, HATEM, FR
[72] BOLZINGER, MARIE-ALEXANDRINE, FR
[72] ELAISSARI, ABDELHAMID, FR
[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.,
[85] 2014-07-22
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[25] EN
[54] **SUBSTITUTED BENZOTHIENYL-PYRROLOTRIAZINES AND USES THEREOF IN THE TREATMENT CANCER**
[54] **BENZOTHIENYL - PYRROLOTRIAZINES SUBSTITUEES ET UTILISATIONS DE CELLES-CI POUR LE TRAITEMENT DU CANCER**
[72] COLLIN, MARIE-PIERRE, DE
[72] BROHM, DIRK, DE
[72] HEROULT, MELANIE, DE
[72] LOBELL, MARIO, DE
[72] HUBSCH, WALTER, DE
[72] LUSTIG, KLEMENS, DE
[72] GRUNEWALD, SYLVIA, DE
[72] BOMER, ULF, DE
[72] VOHRINGER, VERENA, DE
[72] LINDNER, NIELS, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT,
[73] BAYER INTELLECTUAL PROPERTY GMBH,
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[54] **OCCLUSION ACCESS SYSTEM**
[54] **SYSTEME D'ACCES VIA UNE OCCLUSION**
[72] GURLEY, JOHN, US
[72] TRAUTMAN, JOSEPH CREAGAN, US
[72] DE LA MENARDIERE, BRICE ARNAULT, US
[72] BALDWIN, CLAYTON, US
[73] BLUEGRASS VASCULAR TECHNOLOGIES, INC.,
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[54] **ORIENTATION DEVICE FOR ORIENTATING A SENSOR PROBE**
[54] **DISPOSITIF D'ORIENTATION POUR ORIENTER UN ORGANE PALPEUR**
[72] MENARD, GEORGES, FR
[72] LECOURTOIS, PIERRE, FR
[72] LAURAIN, NICOLAS, FR
[72] DELETRE, BRUNO, FR
[73] GAZTRANSPORT ET TECHNIGAZ,
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[54] **IRRIGATION SOURCE IDENTIFICATION SYSTEM**
[54] **SYSTEME D'IDENTIFICATION DE SOURCE D'IRRIGATION**
[72] GORDON, RAPHAEL, US
[72] ARTSYUKHOVICH, ALEXANDER N., US
[72] SORENSEN, GARY P., US
[72] MORGAN, MICHAEL D., US
[72] WILSON, DANIEL J., US
[73] ALCON INC.,
[85] 2014-08-27
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[54] **DEVICE AND METHOD FOR GAS TURBINE UNLOCKING AFTER SHUT DOWN**
[54] **DISPOSITIF ET PROCEDE POUR DEVERROUILLAGE TURBINE A GAZ APRES ARRET**
[72] BETTI, TOMMASO, IT
[72] BALDASSARRE, ANTONIO, IT
[72] VITI, FILIPPO, IT
[72] MEUCCI, STEFANO, IT
[72] LAZZERI, MARCO, IT
[72] MERLO, ROBERTO, IT
[72] MARCUCCI, DANIELE, IT
[73] NUOVO PIGNONE SRL,
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[25] FR
[54] **IGNITION UNIT FOR TURBOJET ENGINE**
[54] **APPAREIL D'ALLUMAGE POUR TURBOREACTEUR**
[72] SCHAEFFER, CHRISTIAN, FR
[72] STIFANIC, DAVID GINO, FR
[72] BOEDOT, BERTRAND, FR
[73] SNECMA,
[85] 2014-09-12
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[51] **Int.Cl. E04F 15/02 (2006.01) E04F 15/04 (2006.01)**
[25] EN
[54] **BUILDING PANEL WITH A MECHANICAL LOCKING SYSTEM**
[54] **PANNEAU DE CONSTRUCTION AYANT UN MECANISME DE VERROUILLAGE MECANIQUE**
[72] BOO, CHRISTIAN, SE
[73] VALINGE INNOVATION AB,
[85] 2014-09-12
[86] 2013-04-03 (PCT/SE2013/050367)
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[25] EN
[54] **APPARATUS FOR STIMULATING MUSCLES OF A SUBJECT**
[54] **APPAREIL DE STIMULATION DES MUSCLES D'UN SUJET**
[72] SUMNERS, DAVID PAUL, GB
[72] MILEVA, KATYA NIKOLOVA, GB
[73] ACTEGY LTD.,
[85] 2014-09-19
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[51] **Int.Cl. B23K 26/14 (2014.01) B23K 26/08 (2014.01)**
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[54] **LASER NOZZLE WITH MOBILE ELEMENT OF IMPROVED EXTERNAL PROFILE**
[54] **BUSE LASER AVEC ELEMENT MOBILE A PROFIL EXTERNE AMELIORE**
[72] JOUANNEAU, THOMAS, FR
[72] LEFEBVRE, PHILIPPE, FR
[73] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE,
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[54] **SYSTEM AND METHOD TO DETECT ANOMALIES**
[54] **SYSTEME ET PROCEDE POUR DETECTER DES ANOMALIES**
[72] ZIMDARS, DAVID, US
[73] PICOMETRIX, LLC,
[85] 2014-09-23
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[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING A GLOWING CONTACT IN A POWER CIRCUIT**
[54] **PROCEDE ET APPAREIL PERMETTANT DE DETECTER UN CONTACT SURCHAUFFE DANS UN CIRCUIT DE PUISSANCE**
[72] SHEA, JOHN J., US
[73] EATON INTELLIGENT POWER LIMITED,
[85] 2014-09-25
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[25] EN
[54] **WAVEFRONT PARALLEL PROCESSING FOR VIDEO CODING**
[54] **TRAITEMENT PARALLELE DE FRONTS D'ONDE POUR UN CODAGE VIDEO**
[72] COBAN, MUHAMMED ZEYD, US
[72] WANG, YE-KUI, US
[72] KARCZEWICZ, MARTA, US
[73] QUALCOMM INCORPORATED,
[85] 2014-09-25
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[25] EN
[54] **BICYCLIC PYRAZINONE DERIVATIVES**
[54] **DERIVES BICYCLIQUES DE PYRAZINONE**
[72] DORSCH, DIETER, DE
[72] BUCHSTALLER, HANS-PETER, DE
[72] MOINET, GERARD, FR
[72] WEGENER, ANSGAR, DE
[73] MERCK PATENT GMBH,
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[86] 2013-03-19 (PCT/EP2013/000827)
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[25] EN
[54] **D-PEPTIDE CONJUGATES COMPRISING A MEMBRANE LOCALIZING POTENCY-ENHANCING CARGO MOLECULE FOR INHIBITING HIV ENTRY**
[54] **CONJUGUES DE PEPTIDE D RENFEMANT UNE MEMBRANE LOCALISANT UNE MOLECULE CARGO AMELIORANT LE POTENTIEL EN VUE D'EMPECHER L'ENTREE DU VIH**
[72] FRANCIS, J. NICHOLAS, US
[72] REDMAN, JOSEPH S., US
[72] KAY, MICHAEL S., US
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION,
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[86] 2012-03-28 (PCT/US2012/031015)
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[25] EN
[54] **ANTHOCYANIDIN COMPLEX**
[54] **COMPLEXE D'ANTHOCYANIDINE**
[72] ROEWER, NORBERT, DE
[72] BROSCHEIT, JENS, DE
[73] SAPIOTEC GMBH,
[85] 2014-09-30
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[25] EN
[54] **MAGNETIC SEPARATION OF ELECTROCHEMICAL CELL MATERIALS**
[54] **SEPARATION MAGNETIQUE DE MATERIAUX DE PILES ELECTROCHIMIQUES**
[72] ELLIS, TIMOTHY W., US
[72] MONTENEGRO, JOSHUA A., US
[73] RSR TECHNOLOGIES, INC.,
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[54] **AGROBACTERIUM FOR TRANSIENT TRANSFECTION OF WHOLE PLANTS**
[54] **AGROBACTERIUM POUR LA TRANSFECTION TRANSITOIRE DE PLANTES ENTIERES**
[72] ROEMER, PATRICK, DE
[72] BORTESI, LUISA, DE
[72] TIEDE, DOREEN, DE
[72] GIRITCH, ANATOLI, DE
[72] GLEBA, YURI, DE
[73] NOMAD BIOSCIENCE GMBH,
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[51] **Int.Cl. B29C 63/34 (2006.01) B32B 3/02 (2006.01)**
[25] EN
[54] **LINING METHOD FOR CONDUIT AND LINING MATERIAL COMPOSITE FOR CONDUIT**
[54] **METHODE D'INSTALLATION DE REVETEMENT INTERIEUR DESTINEE A UN CONDUIT ET MATERIAU COMPOSITE DE REVETEMENT INTERIEUR DESTINE A UN CONDUIT**
[72] ONISHI, SHINJI, JP
[72] TSUZUKI, HIROSHI, JP
[72] UEDA, YASUHIRO, JP
[73] ASHIMORI INDUSTRY CO., LTD.,
[85] 2014-10-10
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[54] **PRE-LOADED INJECTOR FOR USE WITH INTRAOCULAR LENS**
[54] **INJECTEUR PRECHARGE DESTINE A ETRE UTILISE AVEC UNE LENTILLE INTRAOCULAIRE**
[72] GULATI, VIJAY, US
[72] ALAGIASINGAM, SUSHANTH, US
[73] STAAR SURGICAL COMPANY,
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[25] EN
[54] **INVIOLABLE OPENING FRAMES SYSTEM**
[54] **SYSTEME A CADRES D'OUVERTURE INVIOLABLE**
[72] ZAFEIROPOULOS, GRIGORIOS, GR
[73] ZAFEIROPOULOS, GRIGORIOS,
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[25] EN
[54] **WHEELCHAIR REAR WHEEL SUPPORT ASSEMBLY AND DETACHABLE ARMREST**
[54] **ENSEMBLE SUPPORT DE ROUE ARRIERE DE FAUTEUIL ROULANT ET ACCOUDOIR DETACHABLE**
[72] GINGRAS, DAVID, CA
[72] ARCHAMBAULT, MICHAEL, CA
[72] COUTURE, PIERRE-ANDRE, CA
[72] DESBIENS, JACQUES, CA
[73] MOTION COMPOSITES INC.,
[85] 2014-10-29
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[54] **OPTIMAL CONTACT MECHANICS FOR A THA**
[54] **MECANIQUE DE CONTACT OPTIMAL POUR UN THA**
[72] KOMISTEK, RICHARD D., US
[73] DEPUY (IRELAND),
[85] 2014-11-05
[86] 2013-05-08 (PCT/US2013/040107)
[87] (WO2013/169881)
[30] US (13/466,944) 2012-05-08

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[54] **THE USE OF KETONE ESTERS FOR PREVENTION OF CNS OXYGEN TOXICITY**
[54] **UTILISATION D'ESTERS DE CETONE DANS LA PREVENTION DE LA TOXICITE DE L'OXYGENE SUR LE SYSTEME NERVEUX CENTRAL**
[72] D'AGOSTINO, DOMINIC PAUL, US
[72] DEAN, JAY B., US
[72] PILLA, RAFFAELE, US
[72] ARNOLD, PATRICK, US
[73] UNIVERSITY OF SOUTH FLORIDA,
[85] 2014-11-07
[86] 2012-05-09 (PCT/US2012/037099)
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[30] US (61/483,927) 2011-05-09
[30] US (61/579,779) 2011-12-23

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[25] EN
[54] **CURABLE RESIN COMPOSITION AND PRIMER COMPOSITION**
[54] **COMPOSITION DE RESINE DURCISSABLE ET COMPOSITION D'AMORCE**
[72] SOGA, TETSUNORI, JP
[73] THREE BOND FINE CHEMICAL CO., LTD.,
[85] 2014-11-13
[86] 2013-05-15 (PCT/JP2013/063591)
[87] (WO2013/172388)
[30] JP (2012-114513) 2012-05-18

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[25] FR
[54] **METHOD FOR PRODUCING AN ADJUSTMENT SPACER**
[54] **PROCEDE DE FABRICATION D'UNE CALE DE REGLAGE**
[72] GASTEL, DANIEL ANDRE, FR
[73] GASTEL, DANIEL ANDRE,
[85] 2014-11-17
[86] 2013-04-30 (PCT/FR2013/050953)
[87] (WO2013/171395)
[30] FR (12 54 561) 2012-05-18

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[51] **Int.Cl. A61L 26/00 (2006.01)**
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[54] **DRY HAEMOSTATIC COMPOSITION**
[54] **COMPOSITION HEMOSTATIQUE SECHE**
[72] LARSEN, KRISTIAN, DK
[73] FERROSAN MEDICAL DEVICES A/S,
[85] 2014-11-20
[86] 2013-06-12 (PCT/DK2013/050191)
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[30] DK (PA 2012 70319) 2012-06-12
[30] US (61/658,586) 2012-06-12

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[51] **Int.Cl. A01G 9/02 (2018.01)**
[25] EN
[54] **PLANT INFILTRATION TRAY**
[54] **BAC A INFILTRATION POUR LES PLANTES**
[72] VEZINA, LOUIS-PHILIPPE, CA
[72] BECHTOLD, NICOLE, CA
[72] LAURIN, LUC, CA
[73] MEDICAGO INC.,
[85] 2014-11-21
[86] 2013-05-28 (PCT/CA2013/050406)
[87] (WO2013/177701)
[30] US (61/652,284) 2012-05-28

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[25] EN
[54] **LARYNGEAL MASK HEAD**
[54] **TETE DE MASQUE LARYNGE**
[72] DUBACH, WERNER F., CH
[73] SINGULARITY AG,
[85] 2014-11-27
[86] 2013-05-29 (PCT/EP2013/061059)
[87] (WO2013/182460)
[30] CH (00768/12) 2012-06-04
[30] CH (01169/12) 2012-07-26

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[13] C
[51] **Int.Cl. A47K 13/26 (2006.01) A47K 13/12 (2006.01)**
[25] EN
[54] **TOILET SEAT COVER MOUNTING SYSTEM**
[54] **SYSTEME DE FIXATION DE COUVRE-SIEGE DE TOILETTE**
[72] GRAY, JOEL M., US
[72] KORS, CHRIS, US
[73] DELTA FAUCET COMPANY,
[86] (2875035)
[87] (2875035)
[22] 2014-12-17
[30] US (61/922,461) 2013-12-31
[30] US (14/568,361) 2014-12-12

[11] **2,875,259**
[13] C
[51] **Int.Cl. E04F 21/24 (2006.01) B05C 11/04 (2006.01) E04F 21/08 (2006.01)**
[25] EN
[54] **DISPLACEABLE FLOOR TROWEL**
[54] **TRUELLE A PLANCHER MOBILE**
[72] MILANE, ANTOINE, CA
[73] MILANE, ANTOINE,
[86] (2875259)
[87] (2875259)
[22] 2014-12-17

[11] **2,875,601**
[13] C
[51] **Int.Cl. B23D 77/00 (2006.01) B23D 77/04 (2006.01)**
[25] FR
[54] **CALIBRATION HEAD FOR THE DRILLING OF SHAFTS**
[54] **TETE DE CALIBRAGE POUR LE FORAGE D'ARBRES**
[72] DEJAUNE, CLAUDE GERARD RENE, FR
[72] LEHOUX, GERARD, FR
[73] SNECMA,
[85] 2014-12-03
[86] 2013-06-05 (PCT/FR2013/051276)
[87] (WO2013/182810)
[30] FR (1255195) 2012-06-05

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[13] C
[51] **Int.Cl. F16L 59/05 (2006.01) F16L 59/02 (2006.01) F16L 59/14 (2006.01) F24F 13/02 (2006.01) F24F 13/06 (2006.01)**
[25] EN
[54] **REFLECTIVE LAMINATE INSULATING ASSEMBLY**
[54] **ENSEMBLE D'ISOLATION STRATIFIE ET THERMO-REFLECTEUR**
[72] GRAY, WILLIAM R., US
[73] GRAY, WILLIAM R.,
[86] (2876145)
[87] (2876145)
[22] 2014-12-31
[30] US (14/159,069) 2014-01-20
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[25] EN
[54] **DYNAMIC MATERIALS INTERGRATED INTO ARTICLES FOR ADJUSTABLE PHYSICAL DIMENSIONAL CHARACTERISTICS**
[54] **MATERIAUX DYNAMIQUES INTEGRES DANS DES ARTICLES POUR DES CARACTERISTIQUES DIMENSIONNELLES PHYSIQUES AJUSTABLES**
[72] NORDSTROM, MATTHEW D., US
[72] WILLIAMS, PATRICK, US
[73] NIKE INNOVATE C.V.,
[85] 2015-01-07
[86] 2013-08-27 (PCT/US2013/056847)
[87] (WO2014/035996)
[30] US (61/693,638) 2012-08-27

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[13] C
[51] **Int.Cl. C02F 1/68 (2006.01) C02F 1/72 (2006.01) C02F 1/76 (2006.01)**
[25] EN
[54] **SYSTEM FOR DISPENSING A WATER TREATMENT COMPOSITION INTO RECREATIONAL WATER**
[54] **SYSTEME DE DISTRIBUTION D'UNE COMPOSITION DE TRAITEMENT DE L'EAU DANS L'EAU UTILISEE A DES FINS RECREATIVES**
[72] SAYRE, CURTIS, US
[72] HANSEN, ZACH, US
[72] ROUSE, DAVID, US
[72] MCLEROY, ANNA FLORINE, US
[73] BIO-LAB, INC,
[85] 2015-01-14
[86] 2013-05-08 (PCT/US2013/040039)
[87] (WO2014/018151)
[30] US (61/674,918) 2012-07-24
[30] US (13/854,363) 2013-04-01

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[13] C
[51] **Int.Cl. B60P 3/22 (2006.01) B60P 1/64 (2006.01)**
[25] EN
[54] **VERTICAL TANK TRANSPORT SYSTEMS AND RELATED METHODS**
[54] **SYSTEMES DE TRANSPORT DE RESERVOIR VERTICAL ET METHODES ASSOCIEES**
[72] ELLIS, STANLEY, US
[72] ELLIS, TRAVIS, US
[72] GUDMUNDSON, LYNN, US
[73] VERTICAL TANK, INC.,
[86] (2880484)
[87] (2880484)
[22] 2015-02-02
[30] US (14/171,144) 2014-02-03

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[51] **Int.Cl. F02C 1/06 (2006.01) B21D 53/02 (2006.01) F01K 13/02 (2006.01) F22B 1/08 (2006.01)**
[25] EN
[54] **RAPID STARTUP HEAT RECOVERY STEAM GENERATOR**
[54] **GENERATEUR DE VAPEUR A RECUPERATION DE CHALEUR A DEMARRAGE RAPIDE**
[72] ALBRECHT, MELVIN J., US
[73] THE BABCOCK & WILCOX COMPANY,
[85] 2015-02-10
[86] 2013-06-13 (PCT/US2013/045533)
[87] (WO2014/028107)
[30] US (61/682,470) 2012-08-13
[30] US (13/914,695) 2013-06-11

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[51] **Int.Cl. C08F 220/56 (2006.01) C08F 220/06 (2006.01) C08F 220/54 (2006.01) C08F 226/02 (2006.01) C08F 228/02 (2006.01) C09K 8/44 (2006.01)**
[25] EN
[54] **GEL, PLUGGING METHOD USING THE SAME, AND PLUGGING AND WELL-KILLING METHOD USING THE SAME**
[54] **GEL, PROCEDE DE BOUCHAGE UTILISANT CELUI-CI, ET PROCEDE POUR BOUCHER ET TUER UN PUITS UTILISANT CELUI-CI**
[72] LUO, PINGYA, CN
[72] GUO, YONGJUN, CN
[72] WANG, PINGQUAN, CN
[72] ZHANG, XINMIN, CN
[72] FENG, RUSEN, CN
[73] SOUTHWEST PETROLEUM UNIVERSITY,
[85] 2015-02-17
[86] 2014-03-08 (PCT/CN2014/073091)
[87] (WO2014/190793)
[30] CN (201310209528.5) 2013-05-30

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[13] C
[51] **Int.Cl. B81B 7/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **MICROFLUIDIC RECONFIGURABLE DEVICE FOR MULTI-PLEXED SAMPLE ANALYSIS**
[54] **DISPOSITIF DE MICROFLUIDIQUE RECONFIGURABLE POUR ANALYSE MULTIPLEXEE D'ECHANTILLONS**
[72] GRAY, BONNIE L., CA
[72] SHANNON, LESLEY, CA
[73] SIMON FRASER UNIVERSITY,
[85] 2015-02-19
[86] 2012-10-09 (PCT/CA2012/000932)
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[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/46 (2006.01) G06T 7/00 (2017.01) G06T 9/00 (2006.01)**
[25] EN
[54] **RETINAL ENCODER FOR MACHINE VISION**
[54] **CODEUR RETINIEN POUR VISION INDUSTRIELLE**
[72] NIRENBERG, SHEILA, US
[72] BOMASH, ILLYA, US
[73] CORNELL UNIVERSITY,
[85] 2015-02-24
[86] 2012-08-24 (PCT/US2012/052348)
[87] (WO2013/029008)
[30] US (61/527,493) 2011-08-25
[30] US (61/657,406) 2012-06-08

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[13] C
[51] **Int.Cl. B03C 1/14 (2006.01)**
[25] EN
[54] **DRUM FOR MAGNETIC SEPARATOR AND RELEVANT PRODUCTION METHOD**
[54] **TAMBOUR POUR SEPARATEUR MAGNETIQUE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] MOLTENI, DANILO, IT
[73] SGM MAGNETICS S.P.A.,
[85] 2015-03-13
[86] 2013-10-29 (PCT/IB2013/059749)
[87] (WO2014/072880)
[30] IT (MI2012A001901) 2012-11-08

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[13] C
[51] **Int.Cl. A47J 37/04 (2006.01) A47J 37/06 (2006.01)**
[25] FR
[54] **HOUSEHOLD ELECTRICAL AIR FLOW COOKING APPLIANCE**
[54] **APPAREIL ELECTRIQUE DOMESTIQUE DE CUISSON A FLUX D'AIR**
[72] ALLEMAND, BERNARD, FR
[72] PETITALLOT, JOHANN, FR
[73] SEB S.A.,
[85] 2015-03-23
[86] 2013-09-18 (PCT/FR2013/052150)
[87] (WO2014/049231)
[30] FR (1259069) 2012-09-26

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[13] C
[51] **Int.Cl. F02D 45/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREDETERMINING THE ONSET OF IMPENDING OSCILLATORY INSTABILITIES IN PRACTICAL DEVICES**
[54] **SYSTEME ET PROCEDE DE PREDETERMINATION D'APPARITION D'INSTABILITES OSCILLATOIRES IMMINENTES DANS DES DISPOSITIFS PRATIQUES**
[72] NAIR VINOD, VINEETH, IN
[72] THAMPI, GIREESHKUMARAN, IN
[72] KARUPPUSAMY, SULOCHANA, IN
[72] RAMAN PILLAI INDUSEKHARAN NAIR, SUJITH, IN
[72] GOPALAN, SARAVANAN, IN
[73] INDIAN INSTITUTE OF TECHNOLOGY MADRAS,
[85] 2015-03-31
[86] 2013-03-26 (PCT/IN2013/000197)
[87] (WO2014/054050)
[30] IN (4110/CHE/2012) 2012-10-01
[30] IN (4476/CHE/2012) 2012-10-26

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[13] C
[51] **Int.Cl. G06Q 20/08 (2012.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SOCIAL PAYMENT METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE PAIEMENT SOCIAL**
[72] YILGOREN, SECKIN, TR
[72] CAKAR, ERDEM, TR
[72] DUCHARME, BRIAN, US
[72] VITANOVA, ASYA, BE
[72] LABCIR, NISRINE, BE
[72] GALLAGHER, JAMES GEORGE, IE
[72] INGRAM, KARL, IE
[72] WHITNEY, STEPHEN, IE
[73] MASTERCARD INTERNATIONAL INC.,
[85] 2015-04-09
[86] 2013-10-11 (PCT/US2013/064627)
[87] (WO2014/059327)
[30] US (13/651,104) 2012-10-12

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[13] C
[51] **Int.Cl. B60B 27/04 (2006.01) B60K 17/04 (2006.01) B60K 17/22 (2006.01) F16H 3/44 (2006.01) F16H 3/54 (2006.01)**
[25] EN
[54] **WHEEL DRIVE TRANSMISSION UNIT**
[54] **BOITE DE TRANSMISSION DE ROUES MOTRICES**
[72] FORTMAN, JOHN T., US
[72] FORREST, JAMES L., US
[72] METZGER, DAN M., US
[72] WALTERS, DON T., US
[72] BEALS, JOSEPH A., US
[72] WISNER, CRAIG A., US
[73] AUBURN GEAR, LLC,
[85] 2015-04-10
[86] 2013-03-01 (PCT/US2013/028657)
[87] (WO2014/065851)
[30] US (61/718,506) 2012-10-25

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[13] C
[51] **Int.Cl. B65D 47/34 (2006.01)**
[25] EN
[54] **TRIGGER-DISPENSING DEVICE FOR TWO OR MORE LIQUIDS**
[54] **DISPOSITIF DE DISTRIBUTION A GACHETTE POUR DEUX LIQUIDES OU PLUS**
[72] ALLUIGI, RICCARDO, IT
[73] THE CLOROX COMPANY,
[86] (2887958)
[87] (2887958)
[22] 2015-04-13
[30] IT (BS2014A000085) 2014-04-18

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[13] C
[51] **Int.Cl. B01J 20/30 (2006.01) C01B 25/00 (2006.01) C02F 1/28 (2006.01) C02F 1/58 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING PHOSPHINE-BASED METAL BINDING PARTICLES**
[54] **PROCEDE DE PREPARATION DE PARTICULES SE LIANT A UN METAL A BASE DE PHOSPHINE**
[72] VAN ZUTPHEN, STEVEN, FR
[72] BOCOKIC, VLADICA, FR
[73] ITALMATCH CHEMICALS SPA,
[85] 2015-04-10
[86] 2012-09-17 (PCT/IB2012/054916)
[87] (WO2014/041405)

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[51] **Int.Cl. C22B 60/02 (2006.01) C22B 3/00 (2006.01)**
[25] EN
[54] **BENEFICIATION PROCESS FOR LOW GRADE URANIUM ORES**
[54] **PROCEDE D'ENRICHISSEMENT DE MINERAIS D'URANIUM PAUVRES**
[72] HILL, MURRAY PHILIP, AU
[73] URANIUM BENEFICIATION PTY LTD,
[85] 2015-04-15
[86] 2013-04-23 (PCT/AU2013/000421)
[87] (WO2014/059461)
[30] AU (2012904542) 2012-10-17

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[51] **Int.Cl. D21H 17/17 (2006.01) A61K 31/365 (2006.01) C07C 49/88 (2006.01) C07D 305/12 (2006.01) D21H 19/18 (2006.01) D21H 19/44 (2006.01) D21H 19/46 (2006.01)**
[25] EN
[54] **COMPOSITION AND USE OF HYDROGENATED ALKYL KETENE DIMERS**
[54] **COMPOSITION ET UTILISATION DE DIMERES D'ALKYLCETENE HYDROGENES**
[72] BRUNGARDT, CLEMENT L., US
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P.,
[85] 2015-04-15
[86] 2013-10-23 (PCT/US2013/066339)
[87] (WO2014/074309)
[30] US (61/723,960) 2012-11-08

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[13] C
[51] **Int.Cl. A63B 69/00 (2006.01) A63B 71/00 (2006.01)**
[25] EN
[54] **PITCHING SCREEN ASSEMBLY**
[54] **ENSEMBLE D'ECRAN DE LANCER**
[72] KAPER, TERRY J., US
[73] KAPER, TERRY J.,
[86] (2888509)
[87] (2888509)
[22] 2015-04-20
[30] US (14/256,271) 2015-04-18

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[13] C
[51] **Int.Cl. F02C 9/20 (2006.01)**
[25] FR
[54] **METHOD FOR DIFFERENTIATING CONTROL FAILURES IN A SYSTEM FOR CONTROLLING AN ACTUATOR, IN PARTICULAR OF A STATOR OF A GAS-TURBINE ENGINE**
[54] **PROCEDE DE DIFFERENCIATION DE PANNES DE COMMANDE DANS UN SYSTEME DE COMMANDE D'UN ACTIONNEUR, NOTAMMENT DE STATOR DE MOTEUR A TURBINE A GAZ**
[72] CHEVALIER, SEVERINE, FR
[72] RODRIGUES, JOSE, FR
[72] TIEPEL, ALAIN, FR
[73] SNECMA,
[85] 2015-04-21
[86] 2013-09-24 (PCT/FR2013/052238)
[87] (WO2014/049260)
[30] FR (1259038) 2012-09-26

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[13] C
[51] **Int.Cl. A61H 1/00 (2006.01)**
[25] EN
[54] **UPPER BODY ATTACHMENT APPARATUS FOR WHOLE BODY VIBRATION EQUIPMENT**
[54] **DISPOSITIF DE FIXATION DU CORPS SUPERIEUR POUR UN EQUIPEMENT DE VIBRATION DE L'ENSEMBLE DU CORPS**
[72] CAMMISA, PERRY A., US
[73] CAMMISA, PERRY A.,
[85] 2015-04-24
[86] 2012-10-25 (PCT/US2012/061903)
[87] (WO2013/063255)
[30] US (61/551,696) 2011-10-26
[30] US (61/660,368) 2012-06-15
[30] US (13/659,513) 2012-10-24

[11] **2,890,028**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **BIOMARKERS TO IMPROVE PREDICTION OF HEART FAILURE RISK**
[54] **BIOMARQUEURS POUR AMELIORER LA PREDICTION DU RISQUE D'INSUFFISANCE CARDIAQUE**
[72] BALLANTYNE, CHRISTIE MITCHELL, US
[72] HOOGEVEEN, RON CORNELIS, US
[72] NAMBI, VIJAY, US
[72] CHAMBLESS, LLOYD E., US
[73] F. HOFFMANN-LA ROCHE AG,
[73] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL,
[73] BALLANTYNE, CHRISTIE MITCHELL,
[73] HOOGEVEEN, RON CORNELIS,
[73] NAMBI, VIJAY,
[73] CHAMBLESS, LLOYD E.,
[73] BAYLOR COLLEGE OF MEDICINE,
[85] 2015-05-01
[86] 2013-11-04 (PCT/EP2013/072943)
[87] (WO2014/068113)
[30] US (61/721,475) 2012-11-01

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[13] C
[51] **Int.Cl. G01M 15/11 (2006.01) G01M 15/12 (2006.01) G10K 11/178 (2006.01)**
[25] FR
[54] **METHOD AND DEVICE FOR ACOUSTICALLY DETECTING A MALFUNCTION OF A MOTOR HAVING AN ACTIVE NOISE CONTROL**
[54] **METHODE ET DISPOSITIF DE DETECTION ACOUSTIQUE D'UN DYSFONCTIONNEMENT D'UN MOTEUR EQUIPE D'UN CONTROLE ACTIF DU BRUIT**
[72] NICQ, GEOFFROY, FR
[73] SNECMA,
[85] 2015-05-11
[86] 2013-12-12 (PCT/FR2013/053052)
[87] (WO2014/091165)
[30] FR (1262025) 2012-12-13

[11] **2,891,303**
[13] C
[51] **Int.Cl. A61B 17/86 (2006.01)**
[25] FR
[54] **INTRAOSSEOUS SCREW FOR FIXING A BONE FRAGMENT OR A TRANSPLANT TO A BONE AND METHOD FOR PRODUCING SUCH AN INTRAOSSEOUS SCREW**
[54] **VIS INTRAOSSEUSE POUR FIXER A UN OS UN FRAGMENT OSSEUX OU UN TRANSPLANT ET PROCEDE DE FABRICATION D'UNE TELLE VIS INTRAOSSEUSE**
[72] DE LAVIGNE SAINTE SUZANNE, CHRISTOPHE, FR
[73] DE LAVIGNE SAINTE SUZANNE, CHRISTOPHE,
[85] 2015-05-04
[86] 2013-10-31 (PCT/FR2013/052616)
[87] (WO2014/068259)
[30] FR (1260471) 2012-11-05

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[13] C
[51] **Int.Cl. H04W 74/08 (2009.01)**
[25] EN
[54] **BACKOFF METHOD AND DEVICE IN SLOT-TYPE CHANNEL ACCESS OF WIRELESS LAN SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE REDUCTION DE PUISSANCE DANS UN ACCES DE CANAL DE TYPE FENTE D'UN SYSTEME LAN SANS FIL**
[72] SEOK, YONGHO, KR
[73] LG ELECTRONICS INC.,
[85] 2015-05-19
[86] 2013-10-30 (PCT/KR2013/009729)
[87] (WO2014/098367)
[30] US (61/739,658) 2012-12-19
[30] US (61/740,424) 2012-12-20
[30] US (61/750,299) 2013-01-08

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[13] C
[51] **Int.Cl. B60H 1/02 (2006.01) F01D 5/28 (2006.01) F01D 5/30 (2006.01) F01D 5/32 (2006.01)**
[25] EN
[54] **COMPLIANT INTERMEDIATE COMPONENT OF A GAS TURBINE ENGINE**
[54] **COMPOSANT INTERMEDIAIRE CONFORME D'UNE TURBINE A GAZ**
[72] THOMAS, DAVID J., US
[72] CHAMBERLAIN, ADAM L., US
[72] USKERT, RICHARD C., US
[73] ROLLS-ROYCE CORPORATION,
[85] 2015-07-10
[86] 2013-12-27 (PCT/US2013/078139)
[87] (WO2014/163701)
[30] US (61/776,750) 2013-03-11

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[13] C
[51] **Int.Cl. G01N 23/00 (2006.01) B60P 1/64 (2006.01) H05G 1/02 (2006.01)**
[25] EN
[54] **PORTABLE SECURITY INSPECTION SYSTEM**
[54] **SYSTEME D'INSPECTION DE SECURITE PORTABLE**
[72] MORTON, EDWARD JAMES, GB
[73] RAPISCAN SYSTEMS, INC.,
[85] 2015-07-17
[86] 2014-01-31 (PCT/US2014/014198)
[87] (WO2014/121097)
[30] US (61/759,211) 2013-01-31

[11] **2,898,865**
[13] C
[51] **Int.Cl. A61J 17/00 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **HANDHELD CORDLESS NON-NUTRITIVE SUCK ASSESSMENT DEVICE**
[54] **DISPOSITIF PORTATIF SANS FIL D'EVALUATION DE LA SUCCION NON NUTRITIVE**
[72] ARON, KENNETH, US
[72] STALLING, DAVID L., US
[72] KEAN, JOHN, US
[72] INGLING, ALLEN, US
[73] INNARA HEALTH, INC.,
[85] 2015-07-21
[86] 2014-01-21 (PCT/US2014/012350)
[87] (WO2014/113800)
[30] US (61/754,808) 2013-01-21

[11] **2,899,295**
[13] C
[51] **Int.Cl. C07F 5/06 (2006.01) C08F 4/642 (2006.01) C08F 10/00 (2006.01) C08G 79/10 (2006.01)**
[25] EN
[54] **SOLID POLYALUMINOXANE COMPOSITION, OLEFIN POLYMERIZATION CATALYST, OLEFIN POLYMER PRODUCTION METHOD AND SOLID POLYALUMINOXANE COMPOSITION PRODUCTION METHOD**
[54] **COMPOSITION DE POLYALUMINOXANE SOLIDE, CATALYSEUR POUR LA POLYMERISATION D'OLEFINES, PROCEDE DE PRODUCTION D'UN POLYMERE D'OLEFINE, ET PROCEDE DE PRODUCTION D'UNE COMPOSITION DE POLYALUMINOXANE SOLIDE**
[72] TSURUGI, KOU, JP
[72] HANADA, SHIORI, JP
[72] SHIBAHARA, ATSUSHI, JP
[72] KAWAMURA, KAZUMORI, JP
[72] NISHINO, FUMIAKI, JP
[72] HARADA, YASUYUKI, JP
[72] YAMADA, WATARU, JP
[72] MATSUMOTO, AKIKO, JP
[72] HARA, ISAO, JP
[72] NAKAMURA, TATSUYA, JP
[72] MUROTO, TOSHIHIRO, JP
[73] MITSUI CHEMICALS, INC.,
[85] 2015-07-24
[86] 2014-02-07 (PCT/JP2014/052856)
[87] (WO2014/123212)
[30] JP (2013-023266) 2013-02-08
[30] JP (2013-212878) 2013-10-10

[11] **2,900,167**
[13] C
[51] **Int.Cl. G02B 6/36 (2006.01) G02B 6/24 (2006.01)**
[25] EN
[54] **OPTICAL FIBER BEAM DIRECTING SYSTEMS AND APPARATUSES**
[54] **SYSTEMES ET APPAREILLAGES D'ORIENTATION DE FAISCEAU DE FIBRES OPTIQUES**
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[72] PETROFF, CHRISTOPHER, US
[73] LIGHTLAB IMAGING, INC.,
[85] 2015-08-04
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[54] **MODULAR ACTUATOR WITH SNUBBING ARRANGEMENT**
[54] **ACTIONNEUR MODULAIRE A AGENCEMENT DE RETENUE**
[72] BESLU, MARIN, CA
[72] BRYANT, CHRIS, CA
[72] SMITH, HOWARD, CA
[73] SAFRAN LANDING SYSTEMS CANADA INC. / SAFRAN SYSTEMES D'ATTERRISSAGE CADA INC.,
[85] 2015-08-11
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[54] **RAIL ROAD TRACK LUBRICATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE LUBRIFICATION DE VOIE FERREE**
[72] NELSON, ROY L., US
[72] PIEPER, ROBERT G., US
[73] RBL, INC.,
[85] 2015-08-14
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE PACKAGING OF NUCLEIC ACIDS INTO MICROGLIAL EXOSOMES FOR THE TARGETED EXPRESSION OF POLYPEPTIDES IN NEURAL CELLS**
[54] **METHODES ET COMPOSITIONS DE CONDITIONNEMENT D'ACIDES NUCLEIQUES DANS LES EXOSOMES MICROGLIAUX DESTINES A L'EXPRESSION CIBLEE DE POLYPEPTIDES DANS LES CELLULES NEURONALES**
[72] WONG, SCOTT ALLAN, CA
[72] CATON, EVAN ANTHONY, CA
[72] STINSON, ZAKERY KEVIN, CA
[72] DEMCHUK, AUBREY MARISSA, CA
[73] NOMADOGEN BIOTECHNOLOGIES INC.,
[86] (2903933)
[87] (2903933)
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[54] **THRUST APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPAREILS, SYSTEMES ET METHODES DE POUSSEE**
[72] STICKELMAIER, JOHN F., US
[72] PERKINS, JULIE M., US
[72] KREINER, KURT B., US
[72] NGUYEN, PHILIP D., US
[73] THE BOEING COMPANY,
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[87] (2905685)
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[54] **TRAIN D'ATTERRISSAGE MULTI-POSITION**
[72] HARRIS, JOHN H., III, US
[72] NEWMAN, DANIEL I., US
[73] THE BOEING COMPANY,
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[54] **RELIEF VALVE**
[54] **SOUPAPE DE DECHARGE**
[72] FAWCETT, LYMAN, US
[73] HALKEY-ROBERTS CORPORATION,
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[54] **RELUCTANCE MOTOR WITH VIRTUAL ROTOR**
[54] **MOTEUR A RELUCTANCE A ROTOR VIRTUEL**
[72] ATMUR, ROBERT J., US
[73] THE BOEING COMPANY,
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[87] (2910305)
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[54] **FRACTURING USING RE-OPENABLE SLIDING SLEEVES**
[54] **FRACTURATION AU MOYEN DE MANCHONS COULISSANTS A FERMETURE REVERSIBLE**
[72] ANTONSEN, ROGER, US
[73] NOV COMPLETION TOOLS AS,
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[54] **HIGH RESOLUTION THERMO-ELECTRIC NANOWIRE AND GRAPHENE COUPLED DETECTOR SYSTEM**
[54] **NANOFIL THERMOELECTRIQUE HAUTE RESOLUTION ET SYSTEME DE DETECTION PAR GRAPHENE**
[72] BELK, JOHN H., US
[72] HUNT, JEFFREY H., US
[73] THE BOEING COMPANY,
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[87] (2910641)
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[54] **ADDITIVES FOR OIL-BASED DRILLING FLUIDS**
[54] **ADDITIFS POUR FLUIDES DE FORAGE A BASE D'HUILE**
[72] BISHOP, MARSHALL D., US
[72] RENEAU, WILLIE P., US
[72] EVANS, FRANK E., US
[72] ANDERSON, JOHN E., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP,
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[54] **TOILET USAGE SENSING SYSTEM**
[54] **MECANISME DE DETECTION D'UTILISATION DE LA TOILETTE**
[72] VEROS, MICHAEL J., US
[72] SAWASKI, JOEL D., US
[73] DELTA FAUCET COMPANY,
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[54] **ROTOR BLADE OF A WIND TURBINE AND WIND TURBINE**
[54] **PALE DE ROTOR D'UNE EOLIENNE ET EOLIENNE**
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[73] WOBBEN PROPERTIES GMBH,
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[54] **PERFUSION ASSESSMENT MULTI-MODALITY OPTICAL MEDICAL DEVICE**
[54] **DISPOSITIF MEDICAL OPTIQUE A MODALITES MULTIPLES POUR L'EVALUATION DE LA PERFUSION**
[72] ANDRE, MARC, CH
[72] FRIEDRICH, MICHAEL, CH
[73] AIMAGO S.A.,
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[54] **TREATMENT OF PAIN USING PROTEIN SOLUTIONS**
[54] **TRAITEMENT DE LA DOULEUR A L'AIDE DE SOLUTIONS DE PROTEINES**
[72] O'SHAUGHNESSEY, KRISTA, US
[72] WOODELL-MAY, JENNIFER E., US
[72] HIGGINS, JOEL C., US
[72] LEACH, MICHAEL D., US
[73] BIOMET BIOLOGICS, LLC,
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[54] **INTERNAL PIPE PIG WITH WIRELESS DATA TRANSMISSION SYSTEM**
[54] **RACLEUR DE TUYAU INTERNE AYANT UN SYSTEME DE TRANSMISSION DE DONNEES SANS FIL**
[72] MAYOROV, SERGEY, RU
[72] SMIRNOV, ANATOLY, RU
[73] BAKER HUGHES INCORPORATED,
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[54] **TENSION RELEASE PACKER FOR A BOTTOMHOLE ASSEMBLY**
[54] **GARNITURE A LIBERATION DE TENSION DESTINEE A UN DISPOSITIF DE FOND DE TROU**
[72] ANGMAN, PER, CA
[72] ANDREYCHUK, MARK, CA
[73] KOBOLD CORPORATION,
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[87] (2919561)
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[54] **ROBUST INTER-RADIO ACCESS TECHNOLOGY OPERATIONS IN UNLICENSED SPECTRUM**
[54] **OPERATIONS ROBUSTES ENTRE DES TECHNOLOGIES D'ACCES RADIO DANS UN SPECTRE SANS LICENCE**
[72] SADEK, AHMED KAMEL, US
[73] QUALCOMM INCORPORATED,
[85] 2016-01-29
[86] 2014-09-03 (PCT/US2014/053926)
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[54] **VASCULAR TREATMENT DEVICE**
[54] **DISPOSITIF DE TRAITEMENT VASCULAIRE**
[72] TAL, MICHAEL, US
[72] MARANO, JOHN P., US
[72] THOMPSON, STANLEY O., US
[72] LABAK, CHRIS, US
[73] MERIT MEDICAL SYSTEMS, INC.,
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[54] **SERVICEABLE JOINT WITH REMOVABLE RACE**
[54] **JOINT REPARABLE DOTE D'UNE COURSE AMOVIBLE**
[72] KRAATZ, CLAYTON, CA
[73] KRAATZ, CLAYTON,
[86] (2922209)
[87] (2922209)
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[54] **BYPASS VALVE**
[54] **SOUPAPE DE DERIVATION**
[72] PETERSON, MATTHEW, US
[73] PETERSON, MATTHEW,
[73] FLEXTRONICS GLOBAL SERVICES CANADA INC. SERVICES GLOBAUX FLEXTRONICS CADA INC.,
[85] 2016-02-29
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[54] **METHODS FOR MEASURING CELL-FREE VIRUS PARTICLES FROM DRIED BLOOD SPOTS**
[54] **PROCEDE PERMETTANT DE MESURER DES PARTICULES VIRALES EXEMPTES DE CELLULES A PARTIR DE TACHES DE SANG SECHE**
[72] BAUM, PAUL, US
[72] CRASK, MEGAN, US
[72] WU, XIAONING, US
[73] F. HOFFMANN-LA ROCHE AG,
[85] 2016-03-09
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[87] (WO2015/059065)
[30] US (61/894,332) 2013-10-22
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[54] **IMPACT-RESISTANT AND ENERGY-ABSORBING ITEM OF STREET FURNITURE**
[54] **ARTICLE DE MOBILIER URBAIN RESISTANT A L'IMPACT ET ABSORBANT L'ENERGIE**
[72] WOLTERS, GERARD, BE
[73] SLOWSTOP GUARDING SYSTEMS, LLC,
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[54] **DISPOSITIF D'ALIMENTATION SANS COUPURE PARALLELE ISOLE A COURANT DIRECT**
[72] MOSMAN, MICHAEL J., US
[73] ISOLATED PARALLEL INC.,
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[54] **ECHANGEURS THERMIQUES**
[72] BOND, ALAN, GB
[72] VARVILL, RICHARD, GB
[73] REACTION ENGINES LIMITED,
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[86] 2014-10-10 (PCT/GB2014/000405)
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[54] **METHOD AND SYSTEM FOR PRODUCING HYDROGEN USING AN OXYGEN TRANSPORT MEMBRANE BASED REFORMING SYSTEM WITH SECONDARY REFORMING**
[54] **PROCEDE ET SYSTEME DE PRODUCTION D'HYDROGENE AU MOYEN D'UN SYSTEME DE REFORMAGE A BASE DE MEMBRANE DE TRANSPORT D'OXYGENE AVEC UN REFORMAGE SECONDAIRE**
[72] CHAKRAVARTI, SHRIKAR, US
[72] DRNEVICH, RAYMOND F., US
[72] STUCKERT, INES C., US
[72] SHAH, MINISH M., US
[73] PRAXAIR TECHNOLOGY, INC.,
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[54] **METHODS AND SYSTEMS FOR INHIBITING FOREIGN-BODY RESPONSES IN DIABETIC PATIENTS**
[54] **PROCEDES ET SYSTEMES POUR L'INHIBITION DE REPONSES A DES CORPS ETRANGERS CHEZ DES PATIENTS DIABETIQUES**
[72] CHATTARAJ, SARNATH, US
[72] DANG, KIEM H., US
[72] FUSSELMAN, HSI CHUNG, US
[72] GULATI, POONAM S., US
[72] HOFFMAN, LANCE P., US
[72] ZHANG, GUANGPING, US
[73] MEDTRONIC MINIMED, INC.,
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[30] US (61/894,088) 2013-10-22
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[54] **DRILLING DEVICE**
[54] **DISPOSITIF DE FORAGE**
[72] GYLLING, KAI, FI
[73] TERRAROC FINLAND OY,
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[54] **DEMARRAGE ACCELERE DESTINE A DES OPERATIONS DE RECUPERATION D'HYDROCARBURE DOUBLE PUITS**
[72] FADAEI, HOSSEIN, CA
[72] IRANI, MAZDA, CA
[73] SUNCOR ENERGY INC.,
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[87] (2928382)
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[54] **MONOLITHIC TUBE-IN MATRIX HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR MATRICIEL SOUS FORME DE TUBE MONOLITHIQUE**
[72] KUPISZEWSKI, THOMAS, US
[72] BALADI, MEHDI MILANI, US
[72] KEMME, JOHN ANDREW, US
[72] GLYNN, CHRISTOPHER CHARLES, US
[72] JOHNSON, STEVEN DOUGLAS, US
[72] EPSTEIN, MICHAEL JAY, US
[73] GENERAL ELECTRIC COMPANY,
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[25] EN
[54] **QUANTIZATION OF THE ESCAPE PIXELS OF A VIDEO BLOCK IN PALETTE CODING MODE**
[54] **QUANTIFICATION DES PIXELS DE FUITE D'UN BLOC VIDEO EN MODE DE CODAGE DE PALETTE**
[72] PU, WEI, US
[72] KARCZEWICZ, MARTA, US
[72] SOLE ROJALS, JOEL, US
[72] GUO, LIWEI, US
[72] JOSHI, RAJAN LAXMAN, US
[72] ZOU, FENG, US
[73] QUALCOMM INCORPORATED,
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[54] **TECHNIQUES TO RATE-ADJUST DATA USAGE WITH A VIRTUAL PRIVATE NETWORK**
[54] **PROCEDES D'AJUSTEMENT DE TAUX D'UTILISATION DE DONNEES AVEC UN RESEAU PRIVE VIRTUEL**
[72] MAKAVY, RAN, US
[72] ROBERTO, BRENO, US
[73] FACEBOOK, INC.,
[85] 2016-05-05
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[25] EN
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[54] **SYSTEME DE COMMANDE SANS FIL ET METHODE DESTINES AUX SCENES HYDRAULIQUES MOBILES**
[72] ALLISON, TODD N., US
[73] PROGRESSIVE PRODUCTS, INC.,
[86] (2930783)
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[30] US (62/165,492) 2015-05-22
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[72] HIWADA, KIYOYASU, JP
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[73] KABUSHIKI KAISHA NIHON MICRONICS,
[73] GUALA TECHNOLOGY CO., LTD.,
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[51] **Int.Cl. A61F 9/00 (2006.01) G02C 7/02 (2006.01)**
[25] EN
[54] **OCULAR IRRIGATION DEVICE AND METHOD**
[54] **DISPOSITIF D'IRRIGATION OCULAIRE ET METHODE**
[72] MORGAN, DANIEL T., US
[72] BIXBY, STEVEN H., US
[72] MORGAN, ZACH T., US
[72] DEVINE, JUDY G., US
[73] MORTAN, INC.,
[86] (2933773)
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[30] US (14/746,587) 2015-06-22

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[51] **Int.Cl. B29C 70/54 (2006.01) C08J 5/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR REMOVING HOLES IN PRODUCTION OF BIOCOMPOSITE MATERIALS**
[54] **APPAREIL ET PROCEDE POUR ELIMINER LES TROUS DANS LA PRODUCTION DE MATERIAUX BIOCOMPOSITES**
[72] HENRY, JAMES W., CA
[72] PANIGRAHI, SATYANARAYAN, CA
[72] LAL KUSHWAHA, RADHEY, CA
[73] CNH INDUSTRIAL CANADA, LTD.,
[85] 2016-06-14
[86] 2015-03-06 (PCT/IB2015/000289)
[87] (WO2015/132653)
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[51] **Int.Cl. C07D 487/04 (2006.01) C07D 265/10 (2006.01)**
[25] EN
[54] **PROCESS METHODS FOR PHOSPHATIDYLINOSITOL 3-KINASE INHIBITORS**
[54] **PROCEDES DE SYNTHESE D'INHIBITEURS DE LA PHOSPHATIDYLINOSITOL 3-KINASE**
[72] BREMNER, STACY, US
[72] EVARTS, JERRY, US
[72] SUJINO, KEIKO, US
[72] TRAN, DUONG, US
[72] VIZITIU, DRAGOS, US
[73] GILEAD CALISTOGA LLC,
[85] 2016-06-17
[86] 2014-12-18 (PCT/US2014/071286)
[87] (WO2015/095601)
[30] US (61/919,548) 2013-12-20

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[51] **Int.Cl. G02B 5/20 (2006.01) G01J 3/00 (2006.01) G01N 21/01 (2006.01) G01N 21/25 (2006.01)**
[25] EN
[54] **OPTICAL FILTER AND SPECTROMETER**
[54] **FILTRE OPTIQUE ET SPECTROMETRE**
[72] SMITH, PAULA, US
[72] HRUSKA, CURTIS R., US
[72] CATCHING, BENJAMIN F., US
[72] COOMBS, PAUL G., US
[73] VIAVI SOLUTIONS INC.,
[86] (2938013)
[87] (2938013)
[22] 2016-08-03
[30] US (14/818,986) 2015-08-05

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[51] **Int.Cl. C22C 38/04 (2006.01) C22C 38/02 (2006.01)**
[25] EN
[54] **RAIL VEHICLE AXLE**
[54] **ESSIEU DE TRAIN**
[72] MAKINO, TAIZO, JP
[72] TAKESHITA, YUKITERU, JP
[72] MIZUI, NAOMITSU, JP
[72] WAKASU, YUTAKA, JP
[73] NIPPON STEEL CORPORATION,
[85] 2016-08-05
[86] 2015-02-25 (PCT/JP2015/000942)
[87] (WO2015/129258)
[30] JP (2014-035501) 2014-02-26
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[51] **Int.Cl. C03C 3/087 (2006.01) C03C 3/091 (2006.01)**
[25] EN
[54] **GLASS COMPOSITIONS WITH IMPROVED CHEMICAL AND MECHANICAL DURABILITY**
[54] **COMPOSITIONS DE VERRE DOUEES D'UNE DURABILITE CHIMIQUE ET MECANIQUE AMELIOREE**
[72] DANIELSON, PAUL STEPHEN, US
[72] DEMARTINO, STEVEN EDWARD, US
[72] DRAKE, MELINDA ANN, US
[72] MORENA, ROBERT MICHAEL, US
[72] PAL, SANTONA, US
[72] SCHAUT, ROBERT ANTHONY, US
[73] CORNING INCORPORATED,
[86] (2939269)
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[51] **Int.Cl. A47K 17/00 (2006.01) E05B 65/00 (2006.01) G08B 21/18 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **ELECTRONICALLY MONITORED AND PORTABLE POINT-OF-CARE HAND HYGIENE DISPENSER HAVING SECURITY FEATURES**
[54] **DISTRIBUTEUR D'HYGIENE DES MAINS DE POINT DE SOINS SURVEILLE ELECTRONIQUEMENT ET PORTABLE DOTE DE FONCTIONS DE SECURITE**
[72] LIMBERT, DEAN PHILIP, GB
[72] GAYLARD, NIGEL, AU
[72] HINES, JOHN, GB
[72] LANG, CHRISTOPHER, GB
[72] BUTLER, ROBERT, GB
[72] CREAGHAN, DAVID, GB
[72] DODDS, PAUL, GB
[73] DEB IP LIMITED,
[85] 2016-08-11
[86] 2015-01-14 (PCT/US2015/011328)
[87] (WO2015/126538)
[30] US (14/185,568) 2014-02-20

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[51] **Int.Cl. C07K 1/08 (2006.01) C07K 1/04 (2006.01) C07K 1/10 (2006.01) C40B 50/14 (2006.01)**
[25] EN
[54] **SELECTIVE PHOTO ACTIVATION OF AMINO ACIDS FOR SINGLE STEP PEPTIDE COUPLING**
[54] **PHOTO-ACTIVATION SELECTIVE D'ACIDES AMINES POUR UN COUPLAGE PEPTIDIQUE EN UNE SEULE ETAPE**
[72] JAYARAMAN, VASANTH, US
[73] VIBRANT HOLDINGS, LLC,
[85] 2016-08-18
[86] 2015-02-23 (PCT/US2015/017173)
[87] (WO2015/127409)
[30] US (61/942,903) 2014-02-21
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[51] **Int.Cl. B64C 23/06 (2006.01) B64C 9/00 (2006.01) B64C 21/02 (2006.01)**
[25] EN
[54] **VORTEX GENERATOR ARRANGEMENT, FLOW CONTROL SYSTEM AND METHOD FOR CONTROLLING A FLOW ON A RUDDER SURFACE**
[54] **DISPOSITION DE GENERATEUR DE COURANT TOURBILLONNAIRE, SYSTEME DE CONTROLE D'ECOULEMENT ET METHODE DE CONTROLE D'ECOULEMENT SUR UNE SURFACE D'UN GOUVERNAIL**
[72] STEFES, BRUNO, DE
[72] EILKEN, WOLFGANG, DE
[72] PAUL, ERICH, DE
[73] AIRBUS OPERATIONS GMBH,
[86] (2941164)
[87] (2941164)
[22] 2016-09-06
[30] EP (15187918.6) 2015-10-01

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[25] EN
[54] **SPATIAL AND SPECTRAL FILTERING APERTURES AND OPTICAL IMAGING SYSTEMS INCLUDING THE SAME**
[54] **OUVERTURES DE FILTRAGE SPATIAL ET SPECTRAL ET SYSTEMES D'IMAGERIE OPTIQUE COMPORTANT CES DERNIERES**
[72] MOORE, FREDERICK ALLEN, CA
[73] NOVADAQ TECHNOLOGIES ULC,
[85] 2016-08-31
[86] 2015-03-03 (PCT/CA2015/050162)
[87] (WO2015/131281)
[30] US (61/947,774) 2014-03-04
[30] US (62/077,730) 2014-11-10

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[13] C
[51] **Int.Cl. F24F 7/10 (2006.01) E04F 17/04 (2006.01)**
[25] EN
[54] **FLOOR VENT**
[54] **AERATEUR DE PLANCHER**
[72] YASINSKIY, VITALIY VIKTOROVICH, US
[73] YASINSKIY, VITALIY VIKTOROVICH,
[86] (2941602)
[87] (2941602)
[22] 2016-09-09
[30] US (15/073285) 2016-03-17

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[13] C
[51] **Int.Cl. G06Q 30/00 (2012.01) G06Q 50/16 (2012.01)**
[25] EN
[54] **CONNECTED DEVICE-BASED PROPERTY EVALUATION**
[54] **EVALUATION DE PROPRIETE FONDEE SUR UN APPAREIL CONNECTE**
[72] D'SOUZA, ROY, CA
[72] FRITZ, ROISIN LARA, CA
[72] BARNETT, JONATHAN K., CA
[72] DEL VECCHIO, ORIN, CA
[72] CHAN, PAUL MON-WAH, CA
[72] LEE, JOHN JONG SUK, CA
[73] THE TORONTO-DOMINION BANK,
[86] (2941893)
[87] (2941893)
[22] 2016-09-14
[30] US (62/218,451) 2015-09-14

[11] **2,942,318**
[13] C
[51] **Int.Cl. B65D 65/42 (2006.01) B32B 27/10 (2006.01) B32B 27/16 (2006.01) B65D 65/40 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A COATED PACKAGING MATERIAL, AND PACKAGING MATERIAL HAVING AT LEAST ONE BARRIER LAYER FOR HYDROPHOBIC COMPOUNDS**
[54] **PROCEDE DE FABRICATION D'UN MATERIAU D'EMBALLAGE MUNI D'UN REVETEMENT ET MATERIAU D'EMBALLAGE COMPORTANT AU MOINS UNE COUCHE BARRIERE POUR DES COMPOSES HYDROPHOBES**
[72] ZISCHKA, MICHAEL, AT
[72] SPANRING, JULIA, AT
[72] REISCHL, MARTIN, AT
[73] MAYR-MELNHOF KARTON AG,
[86] (2942318)
[87] (2942318)
[22] 2012-06-08
[62] 2,838,606
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[51] **Int.Cl. G06F 3/0484 (2013.01) G06F 3/0488 (2013.01)**
[25] EN
[54] **OBJECT TRACKING IN ZOOMED VIDEO**
[54] **SUIVI D'OBJETS DANS DES AGRANDISSEMENTS DE VIDEOS**
[72] WAGGONER, CHARLES BENJAMIN FRANKLIN, US
[72] TAYLOR, COLIN JON, US
[72] BEZOS, JEFFREY P., US
[72] GRAY, DOUGLAS RYAN, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2016-09-09
[86] 2015-03-12 (PCT/US2015/020238)
[87] (WO2015/142621)
[30] US (61/968,872) 2014-03-21
[30] US (14/283,554) 2014-05-21

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[51] **Int.Cl. C07H 19/14 (2006.01) A61K 31/706 (2006.01) A61K 31/7064 (2006.01) A61K 31/7076 (2006.01) A61P 31/18 (2006.01) C07D 487/04 (2006.01) C07F 9/6558 (2006.01)**
[25] EN
[54] **4'-SUBSTITUTED NUCLEOSIDE-DERIVATIVES AS HIV REVERSE TRANSCRIPTASE INHIBITORS**
[54] **DERIVES NUCLEOSIDIQUES 4'-SUBSTITUES UTILISES COMME INHIBITEURS DE LA TRANSCRIPTASE INVERSE DU VIH**
[72] GIRIJAVALLABHAN, VINAY M., US
[72] OLSEN, DAVID B., US
[72] ZHANG, ZHIBO, CN
[72] FU, JIANMIN, CN
[72] TANG, BING-YU, CN
[73] MERCK SHARP & DOHME CORP.,
[85] 2016-09-23
[86] 2015-03-26 (PCT/US2015/022621)
[87] (WO2015/148746)
[30] CN (PCT/CN2014/074294) 2014-03-28

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[13] C
[51] **Int.Cl. F03D 1/06 (2006.01) F03D 80/00 (2016.01) B64C 11/20 (2006.01)**
[25] EN
[54] **METHOD FOR ATTACHING A TOOTHED REAR EDGE TO A BLADE REAR EDGE OF A ROTOR BLADE**
[54] **PROCEDE DE MONTAGE D'UN BORD DE FUITE DENTELE SUR UN BORD DE FUITE D'UNE PALE DE ROTOR**
[72] KUHN, MARVIN, DE
[73] WOBBEN PROPERTIES GMBH,
[85] 2016-09-26
[86] 2015-03-31 (PCT/EP2015/056968)
[87] (WO2015/150358)
[30] DE (10 2014 206 345.0) 2014-04-02

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[51] **Int.Cl. A45C 11/00 (2006.01)**
[25] EN
[54] **CASE CONSTRUCTION FOR AN ELECTRONIC DEVICE WITH FOLDING DEVICE-SUPPORT FEATURE**
[54] **CONSTRUCTION DE BOITIER DESTINEE A UN DISPOSITIF ELECTRONIQUE COMPORTANT UNE FONCTIONNALITE DE SUPPORT DE DISPOSITIF PLIANT**
[72] SIRICHAI, SAHARUT, US
[72] MULHERN, IORDANKA KOLEVA, US
[73] WORLD RICHMAN MANUFACTURING CORPORATION,
[86] (2944859)
[87] (2944859)
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[30] US (62/239,930) 2015-10-11

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[51] **Int.Cl. F04B 49/06 (2006.01) F04B 51/00 (2006.01) F04C 14/08 (2006.01) F04D 15/00 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **BEST-FIT AFFINITY SENSORLESS CONVERSION MEANS OR TECHNIQUE FOR PUMP DIFFERENTIAL PRESSURE AND FLOW MONITORING**
[54] **TECHNIQUE OU MOYENS DE CONVERSION SANS CAPTEUR D'AFFINITE A MEILLEUR AJUSTEMENT POUR PERMETTRE UNE SURVEILLANCE D'ECOULEMENT ET DE PRESSION DIFFERENTIELLE D'UNE POMPE**
[72] CHENG, ANDREW A., US
[72] GU, JAMES J., US
[72] SCOTT, GRAHAM A., US
[73] FLUID HANDLING LLC,
[85] 2016-10-04
[86] 2015-04-07 (PCT/US2015/024703)
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[30] US (61/976,749) 2014-04-08

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[51] **Int.Cl. H04W 72/12 (2009.01) H04W 72/14 (2009.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SYNCHRONOUS MULTIPLEXING AND MULTIPLE ACCESS FOR DIFFERENT LATENCY TARGETS UTILIZING THIN CONTROL**
[54] **APPAREIL ET PROCEDE DE MULTIPLEXAGE ET D'ACCES MULTIPLE SYNCHRONES POUR DIFFERENTES CIBLES DE LATENCE A L'AIDE DE COMMANDE MINCE**
[72] JI, TINGFANG, US
[72] SMEE, JOHN EDWARD, US
[72] SORIAGA, JOSEPH BINAMIRA, US
[72] BHUSHAN, NAGA, US
[72] GAAL, PETER, US
[72] GOROKHOV, ALEXEI YURIEVITCH, US
[72] MUKKAVILLI, KRISHNA KIRAN, US
[72] HOWARD, MICHAEL ALEXANDER, US
[72] COOPER, ROTEM, US
[72] ANG, PETER, US
[73] QUALCOMM INCORPORATED,
[85] 2016-10-11
[86] 2015-05-07 (PCT/US2015/029637)
[87] (WO2015/179135)
[30] US (62/000,443) 2014-05-19
[30] US (14/533,923) 2014-11-05

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[13] C
[51] **Int.Cl. B60L 15/00 (2006.01) B60L 5/00 (2006.01) B60L 9/00 (2019.01) B60M 7/00 (2006.01) E21F 17/06 (2006.01) H02J 13/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **MINE POWER MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE L'ENERGIE POUR L'EXPLOITATION MINIERE**
[72] TOJIMA, MASANORI, JP
[72] YAMASHITA, KOUICHI, JP
[72] SUDOU, TSUGIO, JP
[72] TAKEDA, KOJI, JP
[72] NAGAI, TAKAO, JP
[72] KAJINO, KATSUHIRO, JP
[72] YANAGIDA, YASUHIRO, JP
[72] SUZUKI, YASUYUKI, JP
[73] KOMATSU LTD.,
[86] (2945723)
[87] (2945723)
[22] 2012-05-09
[62] 2,833,138
[30] JP (2011-104938) 2011-05-10

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[13] C
[51] **Int.Cl. C12N 15/35 (2006.01) C07K 14/015 (2006.01) C07K 14/475 (2006.01) C07K 14/505 (2006.01) C07K 14/515 (2006.01) C07K 14/54 (2006.01) C07K 14/705 (2006.01) C07K 14/755 (2006.01) C07K 14/81 (2006.01) C07K 16/00 (2006.01) C12N 5/10 (2006.01) C12N 7/01 (2006.01) C12N 9/10 (2006.01) C12N 9/16 (2006.01) C12N 9/64 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) C12N 15/16 (2006.01) C12N 15/24 (2006.01) C12N 15/54 (2006.01) C12N 15/55 (2006.01) C12N 15/57 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **A METHOD OF DETECTING AND/OR IDENTIFYING ADENO-ASSOCIATED VIRUS (AAV) SEQUENCES AND ISOLATING NOVEL SEQUENCES IDENTIFIED THEREBY**
[54] **METHODE DE DETECTION ET/OU D'IDENTIFICATION DE SEQUENCES DE VIRUS ASSOCIES AUX ADENOVIRUS (AAV) ET D'ISOLATION DE NOUVELLES SEQUENCES AINSI IDENTIFIEES**
[72] GAO, GUANGPING, US
[72] WILSON, JAMES M., US
[72] ALVIRA, MAURICIO R., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA,
[86] (2945734)
[87] (2945734)
[22] 2002-11-12
[62] 2,864,537
[30] US (60/350,607) 2001-11-13
[30] US (60/341,117) 2001-12-17
[30] US (60/377,066) 2002-05-01
[30] US (60/386,675) 2002-06-05

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[13] C
[51] **Int.Cl. H04B 10/80 (2013.01) H04J 14/02 (2006.01)**
[25] EN
[54] **APPARATUS AND SYSTEM FOR MANAGING WAVELENGTHS IN OPTICAL NETWORKS**
[54] **APPAREIL ET SYSTEME POUR GERER DES LONGUEURS D'ONDE DANS DES RESEAUX OPTIQUES**
[72] SCHEMMANN, MARCEL F., NL
[72] MUTALIK, VENKATESH G., US
[73] ARRIS ENTERPRISES LLC,
[85] 2016-10-20
[86] 2015-04-02 (PCT/US2015/024101)
[87] (WO2015/164043)
[30] US (61/982,089) 2014-04-21
[30] US (62/043,787) 2014-08-29
[30] US (62/043,793) 2014-08-29
[30] US (14/676,887) 2015-04-02

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[13] C
[51] **Int.Cl. B67D 1/12 (2006.01) B67D 1/00 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR DISPENSING A LIQUID FROM A LIQUID STORAGE CONTAINER**
[54] **APPAREIL POUR DISTRIBUER UN LIQUIDE PROVENANT D'UN RECIPIENT DE STOCKAGE DE LIQUIDE**
[72] WALTON, PHILIP A., GB
[72] VIPOND, STEPHEN J., GB
[72] RIVARD, DENNIS L., CA
[72] NICKERSON, TYLER W., CA
[73] CARDOMON INTERNATIONAL LIMITED,
[86] (2947225)
[87] (2947225)
[22] 2012-08-27
[62] 2,844,261
[30] US (13/137,606) 2011-08-29
[30] US (13/373,886) 2011-12-05

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[13] C
[51] **Int.Cl. B23Q 5/22 (2006.01)**
[25] EN
[54] **SHUTTLE SYSTEM TO MOVE STRAPPED/BUNDLED MATERIAL FOR SAWING**
[54] **MECANISME DE NAVETTE SERVANT A DEPLACES DES MATERIAUX A SCIER ATTACHES OU GROUPES**
[72] DI GIOVANNI, WALTER, IT
[72] RACZYNSKI, WIESLAW, CA
[72] PASIAK, ZBIGNIEW E., CA
[72] VAN SCHAAYK, ROBIN, CA
[73] HYDMECH CANADA CORP.,
[86] (2947594)
[87] (2947594)
[22] 2016-11-04
[30] US (62/252,041) 2015-11-06

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[13] C
[51] **Int.Cl. A63B 59/00 (2015.01) A63B 59/70 (2015.01) A63B 60/00 (2015.01)**
[25] EN
[54] **SPORTING GOODS INCLUDING MICROLATTICE STRUCTURES**
[54] **ARTICLES DE SPORT COMPRENANT DES STRUCTURES EN MICRO-RESEAUX**
[72] DAVIS, STEPHEN J., US
[72] CHAUVIN, DEWEY, US
[73] BAUER HOCKEY LTD.,
[85] 2016-11-14
[86] 2015-05-12 (PCT/US2015/030383)
[87] (WO2015/175541)
[30] US (14/276,739) 2014-05-13

[11] **2,951,401**
[13] C
[51] **Int.Cl. G06F 9/50 (2006.01) G06F 9/455 (2018.01)**
[25] EN
[54] **ROLLING RESOURCE CREDITS FOR SCHEDULING OF VIRTUAL COMPUTER RESOURCES**
[54] **ROULEMENT DE CREDITS DE RESSOURCE POUR LA PLANIFICATION DE RESSOURCES INFORMATIQUES VIRTUELLES**
[72] PHILLIPS, JOHN MERRILL, US
[72] EARL, WILLIAM JOHN, US
[72] SINGH, DEEPAK, US
[73] AMAZON TECHNOLOGIES, INC.,
[85] 2016-12-06
[86] 2015-06-24 (PCT/US2015/037443)
[87] (WO2015/200493)
[30] US (62/018,466) 2014-06-27
[30] US (14/331,745) 2014-07-15

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[13] C
[51] **Int.Cl. F03B 3/12 (2006.01) F03B 3/02 (2006.01)**
[25] EN
[54] **FRANCIS TURBINE WITH SHORT BLADE AND SHORT BAND**
[54] **TURBINE FRANCIS A LAME COURTE ET BANDE COURTE**
[72] VON FELLENBERG, SVEN, CA
[73] ANDRITZ HYDRO CANADA INC.,
[85] 2017-01-11
[86] 2015-04-30 (PCT/CA2015/050367)
[87] (WO2016/011537)
[30] US (62/027,910) 2014-07-23

[11] **2,954,798**
[13] C
[51] **Int.Cl. A61B 8/12 (2006.01) A61B 5/042 (2006.01) A61B 5/06 (2006.01) A61B 8/13 (2006.01)**
[25] EN
[54] **CARDIAC MECHANICAL ASSESSMENT USING ULTRASOUND**
[54] **EVALUATION CARDIOMECANIQUE PAR ULTRASONS**
[72] GOVARI, ASSAF, IL
[72] LEVIN, ALEXANDER, IL
[72] ALTMANN, ANDRES CLAUDIO, IL
[73] BIOSENSE WEBSTER, INC.,
[86] (2954798)
[87] (2954798)
[22] 2008-06-02
[62] 2,633,231
[30] US (60/941,778) 2007-06-04

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[13] C
[51] **Int.Cl. B63B 35/00 (2020.01) F03D 9/00 (2016.01)**
[25] EN
[54] **METHOD OF CONSTRUCTING AN OFFSHORE STRUCTURE, AND OFFSHORE STRUCTURE**
[54] **PROCEDE DE CONSTRUCTION D'UNE STRUCTURE EN MER ET STRUCTURE EN MER**
[72] NAKAMURA, TAKUJU, JP
[73] MODEC, INC.,
[85] 2017-01-17
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[72] TIBBETTS, NICOLE JESSICA, US
[72] SCHEPER, MICHAEL, US
[72] ZELTWANGER, ERIC, US
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[72] ROTH, YIFTACH, IL
[72] MIRANDA, PEDRO C., PT
[72] HAZANI, DAVID, IL
[72] HALLET, MARK, US
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[72] TOMIYAMA TAKASHI, JP
[73] TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION,
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[54] **DISPOSITIF INTRALUMINAL IMPLANTABLE**
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[73] W.L. GORE & ASSOCIATES, INC.,
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[54] **APPAREIL, PROCEDE ET SYSTEME DE DISTILLATION DE VAPEUR D'EAU**
[72] KAMEN, DEAN, US
[72] LANGENFELD, CHRISTOPHER C., US
[72] SMITH, STANLEY B., III, US
[72] BHAT, PRASHANT, US
[72] LAROCQUE, RYAN, US
[72] SCHNELLINGER, ANDREW A., US
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[72] BROCHER, MARKUS, DE
[73] SOLENIS TECHNOLOGIES, L.P.,
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[54] **COMPOSITIONS DE NEISSERIA MENINGITIDIS ET PROCEDES ASSOCIES**
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[72] HOISETH, SUSAN KAY, US
[72] JANSEN, KATHRIN UTE, US
[72] MORAN, JUSTIN KEITH, US
[72] RUPPEN, MARK E., US
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[54] **PROCEDE ET APPAREIL POUR ETABLIR UNE COMMUNICATION FLUIDE ENTRE DES PUITS HORIZONTAUX**
[72] NENNIGER, JOHN, CA
[72] MELISSARI, BLAS, UY
[72] KRAWCHUK, PAUL, CA
[72] WIKSTON, JAMES, CA
[72] GUNNEWIEK, LOWY, CA
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[72] JUNG, MIN GYU, KR
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[72] CHOI, KUN WOO, KR
[72] KIM, TAE HUN, KR
[72] JEON, IN KI, KR
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[72] GRASSO, LUIGI, US
[72] LI, JIAN, US
[72] CHAO, QIMIN, US
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[72] KLASSEN, JACOB, CA
[72] NEUFELD, JOHAN, CA
[73] GLIDER SYSTEMS IP INC.,
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[72] RITCHIE, MATTHEW S., GB
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[72] BIAN, SHUNNING, GB
[73] BIOCARBON ENGINEERING LTD.,
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[54] **SEGMENT DE LAME ET ENSEMBLE DE LAMES POUR VEHICULE DE TERRASSEMENT**
[72] TUTSCHEK, ALEX, CA
[72] WOWK, DAVE, CA
[72] CORABIAN, MIHAI, CA
[72] BOGOJEVIC, DRAGAN, CA
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[54] **DISPOSITIF D'EMISSION D'ONDE GUIDEE ET PROCEDES DESTINES A ETRE UTILISES AVEC CE DERNIER**
[72] HENRY, PAUL SHALA, US
[72] BENNETT, ROBERT, US
[72] GERSZBERG, IRWIN, US
[72] BARZEGAR, FARHAD, US
[72] BARNICKEL, DONALD J., US
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[54] **SYSTEME ET PROCEDE DE COLLECTE ET D'ANALYSE DE DONNEES D'ANIMAUX**
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[73] SIEGEL, JOHN,
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[73] SIEMENS AKTIENGESELLSCHAFT,
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[54] **ENSEMBLE DE LEVAGE, ET CUVE THERMALE LE COMPRENANT**
[72] CUNERTY, JOHN, CA
[72] CORNEAU, GARY, CA
[72] SPICER, WADE, US
[73] STRONG INDUSTRIES, INC.,
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[72] PATTERSON, MARLOWE, US
[72] YI, SEUNG, US
[72] GEIST, STEVE, US
[72] OBA, TRAVIS, US
[73] EDWARDS LIFESCIENCES CORPORATION,
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[54] **ARTICLE A FUMER, FILTRE ET PROCEDE DE FABRICATION D'UN ARTICLE A FUMER**
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[72] WHITTON, TINA, GB
[72] BAILEY, MARK, GB
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[72] HARVEY, LISA, GB
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[54] **SYSTEM AND METHOD FOR LEVELING AN AGRICULTURAL IMPLEMENT**
[54] **SYSTEME ET METHODE DE NIVELLEMENT D'ACCESSOIRE AGRICOLE**
[72] CZAPKA, JASON, US
[72] WENDTE, KEITH WALTER, US
[73] CNH INDUSTRIAL AMERICA LLC,
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[54] **ENSEMBLE DE FREIN POUR ADAPTATION D'UN VEHICULE AUTOMOBILE MUNI D'UN SYSTEME DE FREINAGE A DEUX POSITIONS**
[72] HALL, BRANDON, US
[72] HAYNES, JOSH, US
[73] FONTAINE MODIFICATION COMPANY,
[86] (2966876)
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[54] **PROCEDES DE DETERMINATION DU RISQUE DE COMPLICATIONS PRENATALES**
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[72] NICOLAIDES, KYPROS, GB
[72] AHOLA, TARJA, FI
[72] POON, LEONA, GB
[73] WALLAC OY,
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[54] **DISPOSITIF D'AIDE AU DEMARRAGE POUR NAGEURS DOTE D'UN MECANISME DE POSITIONNEMENT ET DE RETRAIT**
[72] STOCKINGER, CHRISTIAN, US
[72] SOLANYK, ERIC, US
[73] EVERLAST CLIMBING INDUSTRIES, INC. DBA COLORADO TIME SYSTEMS,
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[54] **SOUS-ENSEMBLE DE DETECTION D'ANALYTES ET PROCEDES ET APPAREILS POUR INSERER UN DETECTEUR D'ANALYTES LUI ETANT ASSOCIES**
[72] SLOMSKI, DENNIS, US
[72] BRUCE, ROBERT, US
[72] FORTUNA, JON, US
[72] KREITLOW, DAVID B., US
[73] WAVEFORM TECHNOLOGIES, INC.,
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[54] **METHOD FOR PRODUCING A COMPOSITE PANE WITH A CORROSION-PROTECTED FUNCTIONAL COATING**
[54] **PROCEDE DE FABRICATION D'UNE PLAQUE COMPOSITE POURVUE D'UN REVETEMENT FONCTIONNEL A PROTECTION CONTRE LA CORROSION**
[72] SCHULZ, VALENTIN, DE
[72] CUCCHI, IRENE, FR
[73] SAINT-GOBAIN GLASS FRANCE,
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[54] **RECUPERATION DE DILUANT D'HYDROCARBURE DES RESIDUS**
[72] BHATTACHARYA, SUJIT, CA
[72] BARA, BARRY, CA
[72] MCKNIGHT, CRAIG A., CA
[72] BULBUC, DANIEL JOHN, CA
[72] CYMERMAN, GEORGE, CA
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[54] **ALCOXYLATES D'ALCOOL COMME ADJUVANTS POUR FORMULATIONS AGROCHIMIQUES**
[72] BELL, GORDON ALASTAIR, GB
[73] SYNGENTA PARTICIPATIONS AG,
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[54] **SYSTEME DE CODAGE D'IMAGE BASE SUR LA FORCE DE LIMITE**
[72] SUN, SHIJUN, US
[72] LEI, SHAWMIN, US
[72] KATATA, HIROYUKI, US
[73] DOLBY INTERNATIONAL AB,
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[54] **SOCLE D'EOLIENNE ET EOLIENNE**
[72] BERAMENDI ORTEGA, HUGO RODRIGO, DE
[72] RANDEL, BRITTA, DE
[72] KERSTEN, ROY, DE
[73] WOBBEN PROPERTIES GMBH,
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[54] **TRICYCLIC HETEROARYL COMPOUNDS AND THEIR USE AS PROTEIN MODULATORS**
[54] **COMPOSES HETEROARYLES TRICYCLIQUES ET LEUR UTILISATION COMME MODULATEURSDE PROTEINE**
[72] CHUA, PETER C., US
[72] PIERRE, FABRICE, US
[72] WHITTEN, JEFFREY P., US
[73] SENHWA BIOSCIENCES, INC.,
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[54] **ETIQUETTES A DOUBLE FREQUENCE POUR DETECTER LE DURCISSEMENT DU CIMENT DANS DES APPLICATIONS DE PUITS DE FORAGE**
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[72] GOODWIN, SCOTT, US
[72] RAVI, KRISHNA M., US
[73] HALLIBURTON ENERGY SERVICES, INC.,
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[54] **INHIBITEURS DE CANAUX NC<SB>CA-ATP</SB> POUR THERAPIE**
[72] SIMARD, MARC J., US
[73] THE UNITED STATES OF AMERICA AS REPRESENTED BY THE DEPARTMENT OF VETERS AFFAIRS,
[73] UNIVERSITY OF MARYLAND, BALTIMORE,
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[54] **APPARATUS FOR GENERATING AN INHALABLE MEDIUM**
[54] **APPAREIL DE GENERATION DE MILIEU INHALABLE**
[72] HEPWORTH, RICHARD, GB
[72] WOODCOCK, DOMINIC, GB
[72] SUTTON, JOSEPH, GB
[72] GOODALL, SHARON, GB
[73] BRITISH AMERICAN TABACCO (INVESTMENTS) LIMITED,
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[54] **ZERO PADDING APPARATUS FOR ENCODING FIXED-LENGTH SIGNALING INFORMATION AND ZERO PADDING METHOD USING SAME**
[54] **APPAREIL DE REMPLISSAGE PAR DES ZEROS PERMETTANT DE CODER DES INFORMATIONS DE SIGNALISATION DE LONGUEUR FIXE, ET PROCEDE DE REMPLISSAGE PAR DES ZEROS UTILISANT CET APPAREIL**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
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[54] **ZERO PADDING APPARATUS FOR ENCODING VARIABLE-LENGTH SIGNALING INFORMATION AND ZERO PADDING METHOD USING SAME**
[54] **APPAREIL DE REMPLISSAGE PAR DES ZEROS PERMETTANT DE CODER DES INFORMATIONS DE SIGNALISATION DE LONGUEUR VARIABLE, ET PROCEDE DE REMPLISSAGE PAR DES ZEROS UTILISANT CET APPAREIL**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
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[25] EN
[54] **BROADCAST SIGNAL FRAME GENERATION APPARATUS AND BROADCAST SIGNAL FRAME GENERATION METHOD USING LAYERED DIVISION MULTIPLEXING**
[54] **APPAREIL DE GENERATION DE TRAME DE SIGNAUX DE RADIODIFFUSION, ET PROCEDE DE GENERATION DE TRAME DE SIGNAUX DE RADIODIFFUSION UTILISANT LE MULTIPLEXAGE PAR REPARTITION EN COUCHES**
[72] LEE, JAE-YOUNG, KR
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
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[54] **NOVEL SUBSTITUTION MUTANT RECEPTORS AND THEIR USE IN A NUCLEAR RECEPTOR-BASED INDUCIBLE GENE EXPRESSION SYSTEM**
[54] **NOUVEAUX RECEPTEURS DE MUTANTS DE SUBSTITUTION ET UTILISATION DE CEUX-CI DANS UN SYSTEME D'EXPRESSION GENIQUE INDUCTIBLE A BASE DE RECEPTEURS NUCLEAIRES**
[72] PALLI, SUBBA REDDY, US
[72] KUMAR, MOHAN BASAVARAJU, CA
[72] CRESS, DEAN ERVIN, US
[72] FUJIMOTO, TED TSUTOMU, US
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[54] **APPARATUS AND METHOD FOR CONTROLLING THE DYNAMIC COMPRESSOR AND METHOD FOR DETERMINING AMPLIFICATION VALUES FOR A DYNAMIC COMPRESSOR**
[54] **DISPOSITIF ET PROCEDE POUR L'EXCITATION D'UN COMPRESSEUR DE DYNAMIQUE ET PROCEDE POUR DETERMINER DES VALEURS D'AMPLIFICATION POUR UN COMPRESSEUR DE DYNAMIQUE**
[72] OETTING, DIRK, DE
[72] HOHMANN, VOLKER, DE
[72] EWERT, STEPHAN D., DE
[72] APPELL, JENS EKKEHART, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V.,
[73] CARL VON OSSIETZKY UNIVERSITAT OLDENBURG,
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[25] EN
[54] **TRAIN DIRECTION AND ROUTE DETECTION VIA WIRELESS SENSORS**
[54] **DETECTION D'ITINERAIRE ET DE DIRECTION DE TRAIN PAR LE BIAIS DE CAPTEURS SANS FIL**
[72] TOSHACK, FREDERICK, CA
[73] SIEMENS CANADA LIMITED,
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[25] EN
[54] **BROADCAST SIGNAL FRAME GENERATING APPARATUS AND BROADCAST SIGNAL FRAME GENERATING METHOD USING BOOTSTRAP AND PREAMBLE**
[54] **APPAREIL DE GENERATION DE TRAME DE SIGNAL DE DIFFUSION ET PROCEDE DE GENERATION DE TRAME DE SIGNAL DE DIFFUSION FAISANT APPEL A UNE AMORCE ET UN PREAMBULE**
[72] PARK, SUNG-IK, KR
[72] LEE, JAE-YOUNG, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
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[25] EN
[54] **BROADCAST SIGNAL FRAME GENERATION DEVICE AND BROADCAST SIGNAL FRAME GENERATION METHOD USING BOOTSTRAP INCLUDING SYMBOL FOR SIGNALING BICM MODE OF PREAMBLE AND OFDM PARAMETER TOGETHER**
[54] **DISPOSITIF DE GENERATION DE TRAME DE SIGNAL DE DIFFUSION ET PROCEDE DE GENERATION DE TRAME DE SIGNAL DE DIFFUSION UTILISANT UN AMORCAGE INCLUANT UN SYMBOLE POUR SIGNALER CONJOINTEMENT UN MODE BICM D'UN PREAMBULE ET UN PARAMETRE OFDM**
[72] PARK, SUNG-IK, KR
[72] LEE, JAE-YOUNG, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
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[54] **PROCEDES, DISPOSITIFS, ET SYSTEMES SE RAPPORTANT A UNE HOTTE D'ASPIRATION POUR FOUR**
[72] BAGWELL, RICK A., US
[72] LIVCHAK, ANDREY V., US
[72] MEREDITH, PHILIP J., US
[72] SCHROCK, DEREK W., US
[72] FALLER, ANDREW C., US
[72] BEARDSLEE, DARRIN W., US
[73] OY HALTON GROUP LTD.,
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[54] **SYTEMS AND METHODS FOR MOUNTING ELECTRICALLY POWERED DEVICES TO CEILINGS AND OTHER STRUCTURES**
[54] **SYSTEMES ET PROCEDES POUR MONTER DES DISPOSITIFS ELECTRIQUES SUR DES PLAFONDS OU D'AUTRES STRUCTURES**
[72] BROUGHMAN, JAMES MICHAEL, US
[72] JODICE, DANA LYNN, US
[72] LU, JASON, US
[73] LOWE'S COMPANIES, INC.,
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[54] **POLYCYCLIC-CARBAMOYLPYRIDONE COMPOUNDS AND THEIR PHARMACEUTICAL USE**
[54] **COMPOSES CARBAMOYLPYRIDONES POLYCYCLIQUES ET LEUR UTILISATION PHARMACEUTIQUE**
[72] CAI, ZHENHONG R., US
[72] JIN, HAOLUN, US
[72] LAZERWITH, SCOTT E., US
[72] PYUN, HYUNG-JUNG, US
[73] GILEAD SCIENCES, INC.,
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[54] **6-MORPHOLINYL-2-PYRAZOLYL-9H-PURINE DERIVATIVES AND THEIR USE AS PI3K INHIBITORS**
[54] **DERIVES DE LA 6-MORPHOLINYL-2-PYRAZOLYL-9H-PURINE ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE LA PI3K**
[72] SAMBY, KIRANDEEP KAUR, IN
[72] SURASE, YOGESH BABAN, IN
[72] AMALE, SAGAR RAMDAS, IN
[72] GORLA, SURESH KUMAR, IN
[72] PATEL, PRIYANKA, JP
[72] VERMA, ASHWANI KUMAR, IN
[73] DAIICHI SANKYO COMPANY, LIMITED,
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[54] **CANDLE PRODUCTS COMPRISING VEGETABLE OIL THAT IS LOW IN POLYUNSATURATION AND GELLING AGENT**
[54] **PRODUITS DE BOUGIE COMPRENANT DE L'HUILE VEGETALE A FAIBLE TENEUR EN POLYINSATURATION ET AGENT GELIFIANT**
[72] GRIMM, RUSSELL A., US
[73] CANDLE-LITE COMPANY, LLC,
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[25] EN
[54] **STAINLESS STEEL AND STAINLESS STEEL PRODUCT FOR OIL WELL**
[54] **ACIER INOXYDABLE ET PRODUIT D'ACIER INOXYDABLE DESTINE A UN PUITS DE PETROLE**
[72] TOMIO, YUSAKU, JP
[72] KAIDO, HIROSHI, JP
[73] NIPPON STEEL CORPORATION,
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[51] **Int.Cl. G01J 3/36 (2006.01) G02B 13/22 (2006.01)**
[25] EN
[54] **MULTI-CHANNEL WIDE FIELD IMAGING SYSTEM AND OPTICAL SYSTEM FOR USE THEREIN**
[54] **SYSTEME D'IMAGERIE GRAND CHAMP A CANAUX MULTIPLES ET SYSTEME OPTIQUE DESTINE A ETRE UTILISE A L'INTERIEUR DE CE DERNIER**
[72] MOORE, FREDERICK ALLEN, CA
[73] NOVADAQ TECHNOLOGIES ULC,
[85] 2017-09-29
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[51] **Int.Cl. F24F 11/84 (2018.01) F24F 11/65 (2018.01) F25B 41/06 (2006.01) F25B 49/02 (2006.01)**
[25] EN
[54] **EXPANSION VALVE CONTROL SYSTEM AND METHOD FOR AIR CONDITIONING APPARATUS**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE DETENDEUR POUR UN DISPOSITIF DE CONDITIONNEMENT D'AIR**
[72] MERCER, KEVIN B., US
[72] EDENS, JOHN R., US
[72] DOUGLAS, JONATHAN DAVID, US
[73] TRANE INTERNATIONAL INC.,
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[54] **LONG RANGE STEERABLE LIDAR SYSTEM**
[54] **SYSTEME LIDAR ORIENTABLE A LONGUE PORTEE**
[72] DROZ, PIERRE-YVES, US
[72] PENNECOT, GAETAN, US
[72] LEVANDOWSKI, ANTHONY, US
[72] ULRICH, DREW EUGENE, US
[72] MORRISS, ZACH, US
[72] WACHTER, LUKE, US
[72] IORDACHE, DOREL IONUT, US
[72] MCCANN, WILLIAM, US
[72] GRUVER, DANIEL, US
[72] FIDRIC, BERNARD, US
[72] LENIUS, SAMUEL WILLIAM, US
[73] WAYMO LLC,
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[51] **Int.Cl. A61M 16/16 (2006.01) A61M 16/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR DELIVERING HUMIDIFIED GASES**
[54] **APPAREIL D'ADMINISTRATION DE GAZ HUMIDIFIES**
[72] KRAMER, MARTIN PAUL FRIEDRICH, NZ
[72] MAKINSON, IAN DOUGLAS, NZ
[72] BIGGS, PHILIP JAMES, NZ
[72] DICKINSON, PHILIP JOHN, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED,
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[25] EN
[54] **LAMINATED METAL SHEET FOR CONTAINER**
[54] **PLAQUE METALLIQUE STRATIFIEE POUR RECIPIENT**
[72] NAKAMURA, NORIHIKO, JP
[72] KITAGAWA, JUNICHI, JP
[72] NAKAMARU, HIROKI, JP
[72] YAMANAKA, YOICHIRO, JP
[73] JFE STEEL CORPORATION,
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[51] **Int.Cl. C07D 239/48 (2006.01) A61K 31/33 (2006.01) A61K 31/506 (2006.01) A61P 19/10 (2006.01) A61P 35/00 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **PREPARATION METHOD FOR AROMATIC HETEROCYCLIC COMPOUND USED AS SELECTIVE JAK3 AND/OR JAK1 KINASE INHIBITOR AND APPLICATION OF AROMATIC HETEROCYCLIC COMPOUND**
[54] **METHODE DE PREPARATION D'UN COMPOSE HETEROCYCLIQUE AROMATIQUE UTILISE COMME INHIBITEUR SELECTIF DE LA KINASE JAK3 ET/OU JAK1, ET APPLICATION DUDIT COMPOSE**
[72] LU, XIANPING, CN
[72] YU, JINDI, CN
[72] YANG, QIANJIAO, CN
[72] LI, ZHIBIN, CN
[72] PAN, DESI, CN
[72] SHAN, SONG, CN
[72] ZHU, JIANGFEI, CN
[72] WANG, XIANGHUI, CN
[72] LIU, XIANGHENG, CN
[72] NING, ZHIQIANG, CN
[73] SHENZHEN CHIPSCREEN BIOSCIENCES, LTD.,
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[54] **TOOL AND METHOD FOR FRACTURING A WELLBORE**
[54] **OUTIL ET METHODE DE FRACTURATION D'UN TROU DE FORAGE**
[72] ARABSKYY, SERHIY, CA
[73] TARTAN COMPLETION SYSTEMS INC.,
[86] (2983696)
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[51] **Int.Cl. B02C 18/10 (2006.01) B02C 18/16 (2006.01) B02C 18/22 (2006.01) B02C 23/08 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR THE COMMINUTION OF BOTANICAL FEEDSTOCK**
[54] **APPAREILS ET METHODES DE DECHIQUETAGE DE MATIERE PREMIERE BOTANIQUE**
[72] NAHTIGAL, ISTOK GORAZD, CA
[73] MEDRELEAF CORP.,
[86] (2983838)
[87] (2983838)
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[30] US (15/791,183) 2017-10-23

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[25] EN
[54] **METHOD FOR USING THE CAPACITY OF FACILITIES IN A SKI AREA, A TRADE FAIR, AN AMUSEMENT PARK, OR A STADIUM**
[54] **METHODE D'UTILISATION DE LA CAPACITE DES INSTALLATIONS DANS UNE REGION DE SKI, UNE FOIRE COMMERCIALE, UN PARC D'ATTRACTIONS OU UN STADE**
[72] HAIDACHER, MARTIN, AT
[72] SCHLECHTER, THOMAS, AT
[73] SKIDATA AG,
[86] (2983839)
[87] (2983839)
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[51] **Int.Cl. B65H 54/08 (2006.01) B65H 54/28 (2006.01) B65H 55/04 (2006.01) D01H 9/00 (2006.01)**
[25] EN
[54] **EXTENDED LENGTH AND HIGHER DENSITY PACKAGES OF BULKY YARNS AND METHODS OF MAKING THE SAME**
[54] **EMBALLAGES DE LONGUEUR ETENDUE ET DENSITE SUPERIEURE DE FILS EN VRAC ET METHODES DE FABRICATION ASSOCIEES**
[72] MATTIS, JOHN RANDALL, US
[72] RILEY, WILLIAM THOMAS, US
[72] MESSINIDES, MICHAEL, US
[73] INVISTA TEXTILES (U.K.) LIMITED,
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[54] **RECEIVER AND SIGNAL PROCESSING METHOD THEREOF**
[54] **RECEPTEUR ET SON PROCEDE DE TRAITEMENT DE SIGNAL**
[72] OH, YOUNG-HO, KR
[72] MYUNG, SE-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD.,
[85] 2017-10-31
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[54] **SEQUENTIAL COINING**
[54] **MATRICAGE SEQUENTIEL**
[72] HANSON, HERBERT KENNETH, III, US
[72] HUANG, CHOW-CHI, US
[72] ALTONEN, GENE MICHAEL, US
[72] BIRCHMEIER, BRANDON MICHAEL, US
[72] GRAM, JES TOUGAARD, US
[73] IMFLUX INC.,
[85] 2017-11-02
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[54] **CRYSTALLINE FORM II OF 3-ETHYL-4-{3-ISOPROPYL-4-(4-(1-METHYL-1H-PYRAZOL-4-YL)-1H-IMIDAZOL-1-YL)-1H-PYRAZOL0[3,4-B]PYRIDIN-1-YL}BENZAMIDE**
[54] **SOUS FORME CRISTALLINE II DE 3-ETHYLE -4-{3-ISOPROPYL-4-(4-(1-METHYLE-1H-PYRAZOL- 4-YL)-1H-IMIDAZOLE-1-YL)-1HPYRAZOL0[3,4-B]PYRIDIN-1-YL} BENZAMIDE**
[72] UNO, TAKAO, JP
[73] TAIHO PHARMACEUTICAL CO., LTD.,
[85] 2017-11-03
[86] 2016-05-11 (PCT/JP2016/063989)
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[25] EN
[54] **EXHAUST GAS CONTROL APPARATUS FOR INTERNAL COMBUSTION ENGINE AND CONTROL METHOD FOR EXHAUST GAS CONTROL APPARATUS**
[54] **APPAREIL DE CONTROLE DE GAZ D'ECHAPPEMENT DESTINE A UN MOTEUR A COMBUSTION INTERNE ET METHODE DE COMMANDE D'APPAREIL DE CONTROLE DE GAZ D'ECHAPPEMENT**
[72] UMEMOTO, KAZUHIRO, JP
[72] MORI, TOSHIHIRO, JP
[72] NISHIOKA, HIROMASA, JP
[72] SENDA, JIRO, JP
[72] MATSUMURA, ERIKO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA,
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[54] **UNDERGROUND SEPTIC TANK**
[54] **FOSSE SEPTIQUE SOUTERRAINE**
[72] WEED, CHRISTOPHER D., US
[72] ELLIOTT, DAVID A., US
[73] PALLETTE STONE CORPORATION,
[85] 2017-11-07
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[54] **ANTENNAS FOR WELLBORE LOGGING TOOLS AND METHODS OF MANUFACTURE**
[54] **ANTENNES POUR OUTILS DE DIAGRAPHIE DE PUITS DE FORAGE ET PROCEDES DE FABRICATION**
[72] PRAKASH, ANAND, US
[72] KOROVIN, ALEXEI, US
[72] COBB, JAMES H., US
[73] HALLIBURTON ENERGY SERVICES, INC.,
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[72] EBERSPACH, GUNTER, DE
[72] JENSEN, HANS, DE
[73] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH & CO. KG,
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[54] **METHODS AND SYSTEMS FOR COPY NUMBER VARIANT DETECTION**
[54] **PROCEDES ET SYSTEMES DE DETECTION DE VARIANTES D'UN NOMBRE DE COPIES**
[72] REID, JEFFREY, US
[72] HABEGGER, LUKAS, US
[72] PACKER, JONATHAN, US
[72] MAXWELL, EVAN, US
[73] REGENERON PHARMACEUTICALS, INC.,
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[25] EN
[54] **METHODS OF REDUCING EOSINOPHIL LEVELS**
[54] **METHODES DE REDUCTION DES TAUX D'EOSINOPHILES**
[72] KOIKE, MASAMICHI, US
[72] SPITALNY, GEORGE L., US
[72] WHEELER, ALISTAIR, US
[72] WHITE, BARBARA, US
[73] ASTRAZENECA AB,
[73] KYOWA KIRIN CO., LTD.,
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[54] **COORDINATED MULTIPOINT TRANSMISSION AND RECEPTION (COMP)**
[54] **EMISSION ET RECEPTION MULTIPOINT COORDONNEES (COMP)**
[72] YUE, GUOSEN, US
[72] PRASAD, NARAYAN, US
[72] JIANG, MEILONG, US
[72] RANGARAJAN, SAMPATH, US
[73] NEC CORPORATION,
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[54] **METHOD FOR MANUFACTURING AN AEROSOL VALVE, AND AEROSOL VALVE**
[54] **PROCEDE POUR FABRIQUER UNE VALVE D'AEROSOL ET VALVE D'AEROSOL**
[72] BODET, HERVE, FR
[72] BOREL, BERNARD, FR
[73] LINDAL FRANCE SAS,
[85] 2017-12-01
[86] 2016-06-13 (PCT/EP2016/063537)
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[25] EN
[54] **MAGNUS TYPE THRUST GENERATING DEVICE**
[54] **DISPOSITIF DE GENERATION DE POUSSEE DU TYPE A EFFET MAGNUS**
[72] SHIMIZU, ATSUSHI, JP
[73] CHALLENERGY INC.,
[85] 2017-12-05
[86] 2016-06-27 (PCT/JP2016/069000)
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[54] **ASYMMETRIC TIBIAL COMPONENTS FOR A KNEE PROSTHESIS**
[54] **COMPOSANTS TIBIAUX ASYMETRIQUES POUR PROTHESE DU GENOU**
[72] WENTORF, MARY S. S., US
[72] BISCHOFF, JEFFREY E., US
[72] PARISI, RAYMOND C., US
[72] RETTIG, KATHERINE M., US
[73] ZIMMER, INC.,
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[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTING AND STACKING BAGS OF ICE**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION ET D'EMPILAGE DE SACS DE GLACE**
[72] METZGER, MARK C., US
[73] REDDY ICE LLC,
[86] (2989701)
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[25] EN
[54] **PLANT FUNGAL DISEASE CONTROLLING COMPOSITION CONTAINING MANDESTROBIN ANDFLUDIOXONIL, AND A METHOD FOR CONTROLLING PLANT FUNGAL DISEASES**
[54] **COMPOSITION DE CONTROLE DE MALADIE FONGIQUE DE VEGETAUX RENFERMANT DE LAMANDESTROBINE ET DU FLUDIOXONIL, UNE METHODE DE CONTROLE DES MALADIES FONGIQUES DE VEGETAUX**
[72] KIGUCHI, SO, JP
[72] TANAKA, SOICHI, JP
[72] OZAWA, MAYUKO, JP
[72] IWATA, ATSUSHI, JP
[73] SUMITOMO CHEMICAL COMPANY, LIMITED,
[86] (2990796)
[87] (2990796)
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[25] EN
[54] **METHOD OF DETERMINING A SENSITIVITY OF A CANCER TO A RADIATION TREATMENT**
[54] **PROCEDE POUR DETERMINER LA SENSIBILITE D'UN CANCER A UNE RADIOTHERAPIE**
[72] MIKLOS, GEORGE L. GABOR, AU
[73] ATOMIC ONCOLOGY PTY LTD,
[85] 2018-01-03
[86] 2016-07-11 (PCT/AU2016/050603)
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[30] AU (2015902706) 2015-07-09

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[54] **CELL ANALYSIS APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES D'ANALYSE DE CELLULE**
[72] SHARPE, JONATHAN C., NZ
[72] EVANS, KENNETH M., US
[73] XY, LLC,
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[54] **SNOW THROWER HAVING A MULTIPLE SPEED IMPELLER**
[54] **SOUFFLEUSE A NEIGE AYANT UNE ROUE A AUBES A VITESSES MULTIPLES**
[72] SCHAEDLER, AXEL, US
[73] MTD PRODUCTS INC,
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[54] **MASS SPECTROMETER USING GASTIGHT RADIO FREQUENCY ION GUIDE**
[54] **SPECTROMETRE DE MASSE UTILISANT UN GUIDE RADIOFREQUENCE D'IONS ETANCHE AUX GAZ**
[72] MUNTEAN, FELICIAN, US
[72] ZANON, STEPHEN, US
[73] BRUKER SCIENTIFIC LLC,
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[54] **SANITARY-WARE FLUSHING SYSTEM**
[54] **SYSTEME DE CHASSE D'EAU D'ARTICLE SANITAIRE**
[72] FELDMAN, YOSEPH, IL
[72] MENDES, EMANUEL, IL
[73] FELDMAN, YOSEPH,
[73] MENDES, EMANUEL,
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[54] **HORTICULTURE GROW LIGHTS**
[54] **LAMPES DE SERRE D'HORTICULTURE**
[72] VILGIATE, ANTHONY, US
[73] CABATECH, LLC,
[85] 2018-01-30
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[54] **INDIRECT-HEAT THERMAL PROCESSING OF BULK SOLIDS**
[54] **TRAITEMENT THERMIQUE PAR CHALEUR INDIRECTE DE SOLIDES EN VRAC**
[72] BYMAN, ASHLEY D., CA
[73] SOLEX THERMAL SCIENCE INC.,
[85] 2018-02-09
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[25] EN
[54] **DISTRIBUTED ACOUSTIC SENSING SYSTEMS AND METHODS EMPLOYING MULTIPLE PULSE WIDTHS**
[54] **SYSTEMES ET PROCEDES DE DETECTION ACOUSTIQUE REPARTIE UTILISANT DE MULTIPLES LARGEURS D'IMPULSION**
[72] SUH, KWANG, US
[73] HALLIBURTON ENERGY SERVICES, INC.,
[85] 2018-02-09
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[54] **COMPOSITION FOR MINIMUM QUANTITY LUBRICATION, AND USE OF SAME**
[54] **COMPOSITION POUR MICRO-LUBRIFICATION ET SON UTILISATION**
[72] THOMAS, FRANK, DE
[73] FUCHS PETROLUB SE,
[85] 2018-02-13
[86] 2016-08-15 (PCT/EP2016/001394)
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[25] EN
[54] **NOVEL MATERIAL AND PRODUCTION THEREOF FOR USE AS STORAGE MEDIUM IN A SENSITIVE ENERGY STORAGE SYSTEM IN THE LOW-, MEDIUM- OR HIGH-TEMPERATURE SECTOR**
[54] **NOUVEAU MATERIAU AINSI QUE SA PREPARATION, DESTINE A ETRE UTILISE COMME MILIEU D'ACCUMULATION DANS UN SYSTEME SENSIBLE D'ACCUMULATION D'ENERGIE, DANS UNE PLAGE DE TEMPERATURE BASSE, MOYENNE ET ELEVEE**
[72] ROCKTASCHEL, CHRISTIAN, DE
[73] FLUORCHEMIE GMBH FRANKFURT,
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[54] **DISPOSITIF DE MESURE NON INVASIVE DE LA GLYCEMIE**
[72] ARKO, ZORAN, SI
[72] TOFANT, TADEJ, SI
[73] DIA-VIT LTD.,
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[54] **AMPLIFICATEUR DE PRESSION**
[72] TYCHSEN, TOM, DK
[72] CLAUSEN, JORGEN M., DK
[72] VOKEL, LUBOS, SK
[73] PISTONPOWER APS,
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[54] **DISPOSITIF D'INTENSIFICATION DE PRESSION HYDRAULIQUE**
[72] TYCHSEN, TOM, DK
[72] CLAUSEN, JORGEN M., DK
[72] TODSEN,JORGEN P., DK
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[54] **ANTI-SPIN DUST SEAL FOR CONE AND GYRATORY CRUSHERS**
[54] **JOINT D'ETANCHEITE VIS-A-VIS DE LA POUSSIERE ANTI-ROTATION POUR CONCASSEUR A CONE ET CONCASSEUR GIRATOIRE**
[72] NIKLEWSKI, ANDRZEJ, BR
[72] BARSCEVICIUS, PAULO, BR
[73] METSO MINERALS INDUSTRIES, INC.,
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[25] EN
[54] **METHOD AND A SYSTEM FOR COMBINED HYDROGEN AND ELECTRICITY PRODUCTION USING PETROLEUM FUELS**
[54] **PROCEDE ET SYSTEME POUR UNE PRODUCTION COMBINEE D'HYDROGENE ET D'ELECTRICITE A L'AIDE DE CARBURANTS A BASE DE PETROLE**
[72] JAMAL, AQIL, SA
[72] PHAM, THANG, SA
[73] SAUDI ARABIAN OIL COMPANY,
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[54] **LAWN AND GARDEN SPRAYER AND COMMUNICATION CARD ASSEMBLY**
[54] **ENSEMBLE DE GICLEUR DE PELOUSE ET JARDIN ET DE CARTE DE COMMUNICATION**
[72] MITCHELL, GEORGE A., US
[72] RESTIVE, MARIO J., US
[72] ABERNETHY, TODD, US
[72] CLAREY, ANDREW, US
[72] VAUGHN, JOHN, US
[73] THE FOUNTAINHEAD GROUP, INC.,
[86] (2996579)
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[25] EN
[54] **DEVICE AND METHOD FOR UPGRADING PETROLEUM FEEDSTOCKS USING AN ALKALI METAL CONDUCTIVE MEMBRANE**
[54] **DISPOSITIF ET PROCEDE POUR VALORISER DES CHARGES D'ALIMENTATION PETROLIERES A L'AIDE D'UNE MEMBRANE CONDUCTRICE A BASE DE METAL ALCALIN**
[72] GORDON, JOHN HOWARD, US
[72] ALVARE, JAVIER, US
[73] ENLIGHTEN INNOVATIONS INC.,
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[25] EN
[54] **AUTOMATED PRIMER APPLICATION SYSTEM**
[54] **SYSTEME AUTOMATISE D'APPLICATION DE COUCHE D'APPRET**
[72] WEISSENBERGER, UWE, DE
[72] LUX, THOMAS, DE
[72] SCHNEIDER, GEORG, DE
[72] NALINCI, GUNAY, DE
[73] SAINT-GOBAIN GLASS FRANCE,
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[54] **CREAM CHEESE-LIKE FOOD PRODUCT AND PRODUCTION METHOD**
[54] **PRODUIT ALIMENTAIRE DE TYPE FROMAGE FRAIS ET PROCEDE DE PRODUCTION**
[72] HERRMANN, DIRK, DE
[72] ROTHER, MATTHIAS, DE
[72] MAHLER, MARIE-LUISE, DE
[73] HOCHLAND SE,
[85] 2018-03-22
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[51] **Int.Cl. E21B 49/00 (2006.01)**
[25] EN
[54] **MINING DESIGN METHOD FOR NEAR-WHOLE ROCK UPPER PROTECTIVE LAYER IN COAL SEAM MINING**
[54] **PROCEDE DE CONCEPTION POUR L'EXPLOITATION MINIERE DE VEINE DE PROTECTION SUPERIEURE PROCHE DE LA ROCHE TOTALE POUR UTILISATION DANS L'EXPLOITATION MINIERE DE LIT DE CHARBON**
[72] ZHANG, JIXIONG, CN
[72] ZHANG, QIANG, CN
[72] SUN, QIANG, CN
[72] MEI, XIANCHENG, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY,
[85] 2018-03-29
[86] 2016-11-18 (PCT/CN2016/106341)
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[25] EN
[54] **METHOD FOR INDUCING SATIETY**
[54] **PROCEDE POUR INDUIRE LA SATIETE**
[72] BOLSTER, DOUGLAS, US
[72] HARKNESS, LAURA, US
[72] PETERSON, BRENT L., US
[72] RAHN, MAIKE, US
[73] STOKELY-VAN CAMP, INC.,
[73] GLANBIA NUTRITIONALS (IRELAND) LTD.,
[85] 2018-05-02
[86] 2016-11-04 (PCT/US2016/060648)
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[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR COLLECTING EXUDATES**
[54] **SYSTEME ET PROCEDE PERMETTANT DE RECUEILLIR DES EXSUDATS**
[72] JAEB, JONATHAN PAUL, US
[72] KELCH, RANDALL PAUL, US
[72] LOCKE, CHRISTOPHER BRIAN, GB
[72] LUCKEMEYER, JAMES, US
[72] MCDANIEL, TERRIE LEA, US
[72] PHILLIPS, BRUCE, US
[72] ROBINSON, TIMOTHY MARK, GB
[72] JASWAL, ABHAY, US
[72] HIGLEY, KEVIN, US
[72] SIMMONS, TYLER, US
[73] KCI LICENSING INC.,
[86] (3004823)
[87] (3004823)
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[51] **Int.Cl. F24F 11/00 (2018.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING PHOTOVOLTAIC AIR CONDITIONING SYSTEM**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE D'UN SYSTEME DE CLIMATISATION PHOTOVOLTAIQUE**
[72] DONG, MINGZHU, CN
[72] ZHAO, ZHIGANG, CN
[72] JIANG, SHIYONG, CN
[72] FENG, CHONGYANG, CN
[72] SONG, JIANGXI, CN
[72] ZHANG, XUEFEN, CN
[72] LIU, KEQIN, CN
[72] WANG, JING, CN
[73] GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI,
[85] 2018-05-16
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[51] **Int.Cl. A45D 34/04 (2006.01) A61K 8/49 (2006.01)**
[25] EN
[54] **BODY INK COMPOSITIONS AND APPLICATORS**
[54] **COMPOSITIONS D'ENCRE CORPORELLE ET APPLICATEURS**
[72] HANDLEY, TYLER J., CA
[72] HANDLEY, BRADEN, CA
[72] CAPUTO, CHRISTOPHER, CA
[72] ZREHEN, ADAM M., CA
[73] INKBOX INK INC.,
[86] (3006358)
[87] (3006358)
[22] 2016-06-10
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[51] **Int.Cl. B23K 9/16 (2006.01) B23K 9/173 (2006.01)**
[25] EN
[54] **CONSUMABLE ELECTRODE TYPE GAS SHIELD ARC WELDING METHOD AND ARC WELDING PORTION**
[54] **PROCEDE DE SOUDAGE A L'ARC SOUS PROTECTION GAZEUSE DE TYPE ELECTRODE FUSIBLE ET PARTIE DE SOUDAGE A L'ARC**
[72] KODAMA, SHINJI, JP
[72] ZENIYA, TASUKU, JP
[72] OAMI, SHOKO, JP
[72] MATSUBA, MASAHIRO, JP
[73] NIPPON STEEL CORPORATION,
[85] 2018-06-12
[86] 2017-01-20 (PCT/JP2017/001934)
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[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **PARTICULATE MATERIAL DELIVERY SYSTEM FOR VARIABLE RATE SECTIONAL CONTROL**
[54] **SYSTEME DE DISTRIBUTION DE MATIERES PARTICULAIRES POUR COMMANDE MODULAIRE A DEBIT VARIABLE**
[72] HENRY, JAMES W., CA
[72] PETRUIC, MATTHEW, CA
[72] STUART, GRAHAM, CA
[72] WOLOWSKI, EVAN, CA
[73] CNH INDUSTRIAL CANADA, LTD.,
[86] (3008829)
[87] (3008829)
[22] 2013-01-22
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[51] **Int.Cl. A47L 13/58 (2006.01)**
[25] EN
[54] **WRINGING APPARATUS FOR A WIPING DEVICE**
[54] **DISPOSITIF D'ESSORAGE POUR UN BALAI LAVEUR**
[72] BRUGORA, ALESSANDRO, IT
[72] DINGERT, UWE, DE
[72] WEIS, NORBERT, DE
[73] CARL FREUDENBERG KG,
[85] 2018-06-20
[86] 2016-12-19 (PCT/EP2016/081739)
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[30] DE (10 2015 016 459.7) 2015-12-21
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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/439 (2006.01) A61P 25/34 (2006.01) C07C 55/10 (2006.01)**
[25] EN
[54] **SUCCINATE SALT OF CYTISINE AND USE THEREOF**
[54] **SEL DE TYPE SUCCINATE DE CYTISINE ET SON UTILISATION**
[72] CLARKE, ANTHONY, GB
[72] STEWART, RICHARD ALLISTAIR, GB
[72] WILLIS, ANDREW GARETH, GB
[73] ACHIEVE PHARMA UK LIMITED,
[85] 2018-08-01
[86] 2017-02-06 (PCT/GB2017/050294)
[87] (WO2017/134468)
[30] GB (1602145.3) 2016-02-05

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[51] **Int.Cl. B32B 7/05 (2019.01) B32B 3/08 (2006.01) B32B 15/085 (2006.01) B32B 27/32 (2006.01) B32B 37/04 (2006.01) B65D 51/18 (2006.01)**
[25] EN
[54] **THERMALLY LAMINATED TAB LINER**
[54] **OPERCULE A TIRETTE STRATIFIE THERMIQUEMENT**
[72] BOURGEOIS, PHILIP, US
[73] TEKNI-PLEX, INC.,
[85] 2018-09-06
[86] 2017-03-29 (PCT/US2017/024774)
[87] (WO2017/176530)
[30] US (15/091,607) 2016-04-06

[11] **3,017,162**
[13] C
[51] **Int.Cl. H04L 27/28 (2006.01) H04J 11/00 (2006.01)**
[25] EN
[54] **TRANSMISSION METHOD, TRANSMISSION DEVICE, RECEPTION METHOD, AND RECEPTION DEVICE**
[54] **PROCEDE DE TRANSMISSION, DISPOSITIF DE TRANSMISSION, PROCEDE DE RECEPTION ET DISPOSITIF DE RECEPTION**
[72] MURAKAMI, YUTAKA, JP
[72] KIMURA, TOMOHIRO, JP
[72] OUCHI, MIKIHIRO, JP
[73] SUN PATENT TRUST,
[86] (3017162)
[87] (3017162)
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[51] **Int.Cl. G01J 1/44 (2006.01) G01S 7/4863 (2020.01) G01J 1/46 (2006.01) H01L 27/146 (2006.01)**
[25] EN
[54] **ACTIVE AREA SELECTION FOR LIDAR RECEIVERS**
[54] **SELECTION DE ZONE ACTIVE POUR DES RECEPTEURS LIDAR**
[72] IRISH, LINDA, US
[72] VON NOVAK, WILLIAM HENRY, US
[73] QUALCOMM INCORPORATED,
[85] 2018-09-07
[86] 2017-03-13 (PCT/US2017/022199)
[87] (WO2017/180277)
[30] US (62/323,515) 2016-04-15
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[25] EN
[54] **MODULAR UTILITY SYSTEM**
[54] **SYSTEME D'ACCESSOIRES MODULAIRE**
[72] LEBLANC, ALEXANDER, CA
[73] ARCHI ENTERPRISES INC.,
[85] 2018-09-21
[86] 2017-03-24 (PCT/CA2017/050376)
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[51] **Int.Cl. B60K 1/04 (2019.01) B60L 50/60 (2019.01) B60K 17/346 (2006.01) B60K 17/356 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE**
[54] **VEHICULE ELECTRIQUE**
[72] STENBERG, KURT E., US
[72] NOTARO, JOEL M., US
[72] LEONARD, JOSH J., US
[72] CRAIN, STEPHEN G., US
[72] SABOURIN, DENNIS P., US
[72] OLSEN, RUSS G., US
[72] MAKI, RICHARD R., US
[72] MALONE, AMBER PATRICIA, US
[72] GILLINGHAM, BRIAN R., US
[72] JOHNSTUN, JEREMIAH TRAVIS, US
[73] POLARIS INDUSTRIES INC.,
[86] (3023315)
[87] (3023315)
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[51] **Int.Cl. A61B 5/026 (2006.01) A61B 34/10 (2016.01) G16H 50/50 (2018.01) G09B 23/32 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PATIENT-SPECIFIC MODELING OF BLOOD FLOW**
[54] **PROCEDE ET SYSTEME DE MODELISATION DU DEBIT SANGUIN SPECIFIQUE D'UN PATIENT**
[72] TAYLOR, CHARLES A., US
[72] FONTE, TIMOTHY A., US
[72] CHOI, GILWOO, US
[72] BAI, YING, US
[72] ZARINS, CHRISTOPHER K., US
[73] HEARTFLOW, INC.,
[86] (3027987)
[87] (3027987)
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[62] 2,807,586
[30] US (61/401,462) 2010-08-12
[30] US (61/401,915) 2010-08-20
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[51] **Int.Cl. C02F 1/40 (2006.01) B01D 17/02 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **CONTAMINATED WATER TREATMENT SYSTEM, METHOD AND APPARATUS**
[54] **SYSTEME, METHODE ET APPAREIL DE TRAITEMENT DE L'EAU CONTAMINEE**
[72] DOELL, KEITH, CA
[72] TRAINOR, KYLE, US
[73] RESIRKULERE CANADA LTD.,
[86] (3028700)
[87] (3028700)
[22] 2011-08-31
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[51] **Int.Cl. C10M 139/00 (2006.01) C10M 135/12 (2006.01) C10M 135/18 (2006.01)**
[25] EN
[54] **LUBRICANT COMPOSITIONS COMPRISING MOLYBDENUM COMPOUNDS**
[54] **COMPOSITIONS LUBRIFIANTES RENFERMANT DES COMPOSES DE MOLYBDENE**
[72] KATSUNO, EIJI, JP
[72] SUMI, TARO, JP
[73] ADEKA CORPORATION,
[85] 2019-01-10
[86] 2017-06-26 (PCT/JP2017/023418)
[87] (WO2018/012265)
[30] JP (2016-136716) 2016-07-11

[11] **3,035,175**
[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/02 (2013.01) H04S 1/00 (2006.01)**
[25] EN
[54] **RECONSTRUCTING AUDIO SIGNALS WITH MULTIPLE DECORRELATION TECHNIQUES**
[54] **RECONSTRUCTION DE SIGNAUX AUDIO AU MOYEN DE TECHNIQUES DE DECORRELATION**
[72] DAVIS, MARK FRANKLIN, US
[73] DOLBY LABORATORIES LICENSING CORPORATION,
[86] (3035175)
[87] (3035175)
[22] 2005-02-28
[62] 3,026,276
[30] US (60/549368) 2004-03-01
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[11] **3,039,461**
[13] C
[51] **Int.Cl. G01J 3/02 (2006.01) G01J 3/28 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CALIBRATING MEASURING INSTRUMENTS**
[54] **APPAREIL ET PROCEDE D'ETALONNAGE D'INSTRUMENTS DE MESURE**
[72] LEMIEUX, SAMUEL, CA
[72] MANCEAU, MATHIEU, DE
[72] BOYD, ROBERT W., US
[72] LEUCHS, GERD, DE
[72] CHEKHOVA, MARIA V., DE
[73] UNIVERSITY OF OTTAWA,
[73] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V.,
[73] FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG,
[85] 2019-04-04
[86] 2017-10-17 (PCT/IB2017/056450)
[87] (WO2018/073749)
[30] US (62/408,900) 2016-10-17

[11] **3,040,261**
[13] C
[51] **Int.Cl. F02M 21/02 (2006.01)**
[25] EN
[54] **COMPRESSED NATURAL GAS (CNG) PRESSURE REGULATOR**
[54] **REGULATEUR DE PRESSION DE GAZ NATUREL COMPRIME (CNG)**
[72] WILEY, DARRELL T., US
[72] GOTTHELF, JEFFREY B., US
[72] TUCKER, CHRISTOPHER, US
[73] ITT MANUFACTURING ENTERPRISES LLC,
[85] 2019-04-11
[86] 2017-09-18 (PCT/US2017/051996)
[87] (WO2018/071134)
[30] US (15/292,254) 2016-10-13

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[51] **Int.Cl. F16L 21/04 (2006.01) F16L 19/06 (2006.01) F16L 21/08 (2006.01) F16L 37/091 (2006.01)**
[25] EN
[54] **LOCKING PIPE JOINT ASSEMBLY, DEVICE AND METHOD**
[54] **ENSEMBLE, DISPOSITIF ET PROCEDE DE RACCORD DE TUYAU VERROUILLABLE**
[72] CROMPTON, DAVID B., US
[72] DIAS, LIBARDO OCHOA, US
[72] BOUCHARD, HERBERT J., US
[73] QUICK FITTING, INC.,
[86] (3045362)
[87] (3045362)
[22] 2016-09-15
[62] 2,999,473
[30] US (62/221,941) 2015-09-22
[30] US (15/001,986) 2016-01-20

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[51] **Int.Cl. H01G 4/008 (2006.01) B22F 1/00 (2006.01) B22F 9/04 (2006.01) B22F 9/08 (2006.01) C04B 41/88 (2006.01) H01G 4/12 (2006.01)**
[25] EN
[54] **METALLIC POWDERS FOR USE AS ELECTRODE MATERIAL IN MULTILAYER CERAMIC CAPACITORS AND METHOD OF MANUFACTURING AND OF USING SAME**
[54] **POUDRES METALLIQUES DESTINEES A UNE UTILISATION COMME MATERIAU D'ELECTRODE DANS LES CONDENSATEURS EN CERAMIQUE MULTICOUCHES ET METHODE DE FABRICATION ET UTILISATION ASSOCIEE**
[72] GUO, JIAYIN, CA
[72] BOUCHARD, ERIC, CA
[72] DOLBEC, RICHARD, CA
[73] TEKNA PLASMA SYSTEMS INC.,
[85] 2019-06-07
[86] 2019-01-30 (PCT/CA2019/050115)
[87] (WO2019/148277)
[30] US (US 62/623,708) 2018-01-30

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[51] **Int.Cl. C22B 3/44 (2006.01) C22B 3/00 (2006.01) C22B 3/02 (2006.01) C22B 3/06 (2006.01) C22B 7/00 (2006.01) C22B 15/00 (2006.01) C22B 19/00 (2006.01) C22B 26/22 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING IRON VIA MAGNETITE FORMATION IN HYDROMETALLURGICAL PROCESSES**
[54] **PROCEDES PERMETTANT DE CONTROLER DU FER PAR FORMATION DE MAGNETITE DANS DES PROCEDES HYDROMETALLURGIQUES**
[72] CHAIKO, DAVID JOHN, US
[72] BACZEK, FRANK, US
[72] ROCKS, SARA (SALLY), US
[73] FLSMIDTH A/S,
[85] 2019-05-30
[86] 2017-11-30 (PCT/IB2017/057553)
[87] (WO2018/100539)
[30] US (62/428,895) 2016-12-01

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[13] C
[51] **Int.Cl. E02B 17/00 (2006.01) B63B 35/08 (2006.01)**
[25] EN
[54] **FLOATING MODULAR PROTECTIVE HARBOR STRUCTURE AND METHOD OF SEASONAL SERVICE EXTENSION OF OFFSHORE VESSELS IN ICE-PRONE ENVIRONMENTS**
[54] **STRUCTURE PORTUAIRE DE PROTECTION MODULAIRE FLOTTANTE ET PROCEDE D'EXTENSION DE SERVICE SAISONNIERE DE NAVIRES DE HAUTE MER DANS DES ENVIRONNEMENTS PROPICES A LA FORMATION DE GLACE**
[72] HALLAI, JULIAN DE FREITAS, US
[72] KRSTULOVIC-OPARA, NEVEN, US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY,
[85] 2019-06-10
[86] 2017-10-04 (PCT/US2017/055050)
[87] (WO2018/118180)
[30] US (62/437,315) 2016-12-21

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[13] C
[51] **Int.Cl. F21S 8/04 (2006.01) F21S 4/20 (2016.01) F21S 4/28 (2016.01) E04B 9/00 (2006.01)**
[25] EN
[54] **ACCESSIBLE CEILING BAFFLES WITH INTEGRATED LIGHTING, CUSTOM PERFORATION, AND ACOUSTICS**
[54] **ECRANS ACOUSTIQUES DE PLAFOND ACCESSIBLES COMPRENANT UN ECLAIRAGE, UNE PERFORATION PERSONNALISEE ET UNE ACOUSTIQUE**
[72] HETTWER, STEPHEN, US
[72] AHMADI, RANA, US
[72] LANGAN, JAMES, US
[73] USG INTERIORS, LLC,
[86] (3048538)
[87] (3048538)
[22] 2019-07-03
[30] US (16/174732) 2018-10-30

[11] **3,049,863**
[13] C
[51] **Int.Cl. E05F 15/76 (2015.01) H04W 4/021 (2018.01) G08G 1/017 (2006.01) H04N 7/18 (2006.01) G06K 9/80 (2006.01)**
[25] EN
[54] **GARAGE DOOR CONTROLLER AND MONITORING SYSTEM AND METHOD**
[54] **CONTROLEUR DE PORTE DE GARAGE ET SYSTEME ET PROCEDE DE SURVEILLANCE**
[72] YU, CHENGFU, US
[73] YU, CHENGFU,
[85] 2019-07-10
[86] 2017-07-26 (PCT/US2017/043914)
[87] (WO2018/194699)
[30] US (15/490,826) 2017-04-18

[11] **3,051,710**
[13] C
[51] **Int.Cl. A47J 33/00 (2006.01) A47J 37/07 (2006.01) F24C 1/16 (2006.01)**
[25] EN
[54] **PORTABLE FIRE PIT**
[54] **FOYER PORTATIF**
[72] WOLF, MARK ANDREW, US
[73] FIRESIDE INDUSTRIES, INC.,
[85] 2019-07-25
[86] 2019-01-10 (PCT/US2019/013112)
[87] (WO2019/143524)
[30] US (62/619,263) 2018-01-19
[30] US (15/928,424) 2018-03-22

[11] **3,051,820**
[13] C
[51] **Int.Cl. H01F 38/14 (2006.01) H02J 50/12 (2016.01) H02J 7/00 (2006.01)**
[25] EN
[54] **WIRELESS POWER SUPPLY COIL UNIT**
[54] **UNITE DE BOBINE D'ALIMENTATION ELECTRIQUE SANS CONTACT**
[72] YAMAUCHI, YUUYA, JP
[73] NISSAN MOTOR CO., LTD.,
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[54] **CUSTOMIZED ROLLED PAPER HOLDER**
[54] **ETUI POUR PAPIER ROULE PERSONNALISE**
[72] INCONNUE, XX
[71] ANDRE, HELENE, CA
[22] 2018-08-09
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[51] **Int.Cl. E03F 5/02 (2006.01) E02D 29/12 (2006.01) E02D 29/14 (2006.01) E03F 5/10 (2006.01)**
[25] EN
[54] **CATCH BASIN ADJUSTER SYSTEM**
[54] **SYSTEME DE REGLAGE DU PUISARD**
[72] ROBERGE, CLEO, CA
[71] ROBERGE, CLEO, CA
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[51] **Int.Cl. E03D 9/03 (2006.01)**
[25] EN
[54] **SMARTLOO BOWL AND TANK CLEANER**
[54] **NETTOYEUR DE CUVETTE ET DE RESERVOIR SMARTLOO**
[72] LEE, SANG KUN S. K., AU
[71] LEE, SANG KUN S. K., AU
[22] 2018-08-09
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[21] **3,013,726**
[13] A1
[51] **Int.Cl. E03D 9/02 (2006.01)**
[25] EN
[54] **SMARTLOO CLEANER**
[54] **PRODUIT DE NETTOYAGE SMARTLOO**
[72] LEE, SANG KUN S. K., AU
[71] LEE, SANG KUN S. K., AU
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[25] EN
[54] **GRAPHENE COMPOSITE FILM MODIFIED BY SINGLE CRYSTAL SAPPHIRE WHISKERS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF**
[54] **FILM COMPOSITE DE GRAPHENE MODIFIE PAR DES TRICHITES EN SAPHIR MONOCRISTALLIN ET SON PROCEDE DE PREPARATION ET SON APPLICATION**
[72] MA, QIN, CN
[72] LIU, RENCHEN, CN
[72] SONG, LINLIN, CN
[72] CHEN, JIANJUN, CN
[72] JI, SHISHAN, CN
[72] LIU, YAN, CN
[71] RESEARCH INSTITUTE OF TSINGHUA UNIVERSITY IN SHENZHEN, CN
[71] HARBIN INSTITUTE OF TECHNOLOGY, SHENZHEN, CN
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[25] EN
[54] **REMOVABLE GREASE TRAP WITH DISPOSABLE LINER**
[54] **INTERCEPTEUR DE GRAISSE AMOVIBLE EQUIPE D'UNE GARNITURE JETABLE**
[72] ROCKWELL, DAVID A., CA
[71] ROCKWELL, DAVID A., CA
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[54] **DEAD WEIGHT THIEF HATCH**
[54] **TRAPPE ANTIVOL A POIDS MORT**
[72] RAJEWSKI, ROBERT C., CA
[71] RAJEWSKI, ROBERT C., CA
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[25] EN
[54] **SANDWICH-TYPE POCKETED SPRING UNIT AND POCKETED SPRING**
[54] **UNITE DE RESSORTS ENSACHES DE TYPE SANDWICH ET RESSORT ENSACHE**
[72] TAN, ZHIMING, CN
[71] GUANGZHOU LIANROU MACHINERY & EQUIPMENT CO., LTD., CN
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[51] **Int.Cl. B60N 2/879 (2018.01) B60N 2/26 (2006.01)**
[25] EN
[54] **HEAD RESTRAINING SYSTEM**
[54] **SYSTEME DE RETENUE DE TETE**
[72] QIAO, WEI JUAN, CA
[71] QIAO, WEI JUAN, CA
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[51] **Int.Cl. G02C 1/06 (2006.01)**
[25] EN
[54] **EYEGLASS FRAME SYSTEM WHERE LENSES CAN MOVE FROM ONE FRAME TO ANOTHER**
[54] **SYSTEME DE MONTURES DE LUNETTES DANS LEQUEL LES LENTILLES PEUVENT SE DEPLACER D'UNE MONTURE A UNE AUTRE**
[72] MCGINLEY, SEAN, US
[72] PROFFITT, MATT, US
[72] BROZ, MICHAEL, US
[71] KLIX FRAMES (USA) LLC, US
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[25] EN
[54] **ENGINEERED PLATFORM FOR CONNECTED MICROPATTERNED MUSCLE TISSUES**
[54] **PLATEFORME CONCUE POUR DES TISSUS MUSCULAIRES MICROSTRUCTURES CONNECTES**
[72] NAPIWOCKI, BRETT NICHOLAS, US
[72] SALICK, MAX R., US
[72] CRONE, WENDY CATHERINE, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[25] EN
[54] **SUNSCREEN CONTAINER SYSTEM**
[54] **SYSTEME DE CONTENANT D'ECRAN SOLAIRE**
[72] SEO, YOUNSIL, CA
[71] SEO, YOUNSIL, CA
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[25] EN
[54] **FRAC BALL DROPPER**
[54] **DISPOSITIF DE CHUTE DE BILLES DE FRACTURATION**
[72] GOLINOWSKI, JEFF, CA
[72] BROWN, CODY, CA
[72] HOLMWOOD, LAYNE, CA
[71] 1106666 B.C. LTD., CA
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[51] **Int.Cl. A47D 13/02 (2006.01) A41D 1/21 (2018.01)**
[25] EN
[54] **TRIPLE SHOULDER RING SLING CARRIER**
[54] **ECHARPE DE PORTAGE A ANNEAUX TRIPLE SUR EPAULE**
[72] REIZVIKH, ANALI N., CA
[71] REIZVIKH, ANALI N., CA
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[51] **Int.Cl. B65D 25/16 (2006.01) B21D 5/02 (2006.01) B65D 1/22 (2006.01) B65D 25/14 (2006.01) E04F 21/16 (2006.01)**
[25] EN
[54] **CONTAINER WITH AN INTERCHANGEABLE LINER**
[54] **CONTENANT COMPRENANT UNE GARNITURE INTERCHANGEABLE**
[72] CLOUTIER, ALEXANDRE, CA
[71] 2446914 ONTARIO INC., CA
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[41] 2020-02-14

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[13] A1
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **ADJUSTABLE FRACTURING MANIFOLD MODULE, SYSTEM AND METHOD**
[54] **MODULE, SYSTEME ET PROCEDE DE COLLECTEUR DE FRACTURATION REGLABLE**
[72] JESPERSEN, MICHAEL DAVID, CA
[72] ELENIAK, GLEN MURRAY, CA
[72] WAKEFORD, JERRY, CA
[71] STREAM-FLO INDUSTRIES LTD., CA
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[13] A1
[51] **Int.Cl. A45F 5/00 (2006.01)**
[25] EN
[54] **CLIP-ON ELECTRONIC DEVICE HOLDER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DISPOSITIF DE SUPPORT POUR UN APPAREIL ELECTRONIQUE A SUPERPOSER**
[72] BOUTHILLIER, PETER J., CA
[72] FARYON, CYNTHIA J., CA
[71] BOUTHILLIER, PETER J., CA
[71] FARYON, CYNTHIA J., CA
[22] 2018-08-14
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[51] **Int.Cl. B60R 11/04 (2006.01)**
[25] EN
[54] **PINHOLE-SPY-CAMERA AND CAR-ANTENNA ASSEMBLY**
[54] **ENSEMBLE DE CAMERAS DE SURVEILLANCE A STENOPE ET D'ANTENNES POUR VOITURE**
[72] SZKODZINSKI, ANDRZEJ, CA
[71] SZKODZINSKI, ANDRZEJ, CA
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[21] **3,014,121**
[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01) A45F 4/02 (2006.01) A61G 1/01 (2006.01)**
[25] EN
[54] **BLANKET PROVIDED WITH MEANS ALLOWING TO WRAP-UP AND MAINTAIN THE FEET OF A PERSON UNDER THE BLANKET, A METHOD FOR REVERSIBLY TRANSFORMING THE BLANKET INTO A BAG, AND A USE OF SAIDBLANKET**
[54] **COUVERTURE COMPORTANT DES MOYENS QUI PERMETTENT DE COUVRIR ET DE MAINTENIR LE PIED D'UNE PERSONNE SOUS UNE COUVERTURE, UN PROCEDE PERMETTANT DE TRANSFORMER DE FACON REVERSIBLE LA COUVERTURE EN UN SAC, ET UTILISATION DE LADITE COUVERTURE**
[72] JACOB, MARLENE, CA
[71] SOLUTIONS KORELATION INC., CA
[22] 2018-08-14
[41] 2020-02-14

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[51] **Int.Cl. B65D 47/34 (2006.01) A45D 34/00 (2006.01) A61M 35/00 (2006.01) B65D 25/42 (2006.01)**
[25] EN
[54] **DISPENSING CONTAINER AND ACTUATOR THEREFOR**
[54] **CONTENANT DE DISTRIBUTION ET ACTIONNEUR CORRESPONDANT**
[72] WONG, SARAH NYAT PENG, CA
[72] BADER, PATRICK-MARTIN, CA
[72] BAO, VANCE, CA
[71] MEDISCA PHARMACEUTIQUE, INC., CA
[22] 2018-08-13
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[30] US (16/059,652) 2018-08-09

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[51] **Int.Cl. A41D 27/10 (2006.01) A47D 13/02 (2006.01)**
[25] EN
[54] **COMFORT SLEEVE**
[54] **MANCHE DE CONFORT**
[72] BOZELKO, FILIP F. B., CA
[71] BOZELKO, FILIP F. B., CA
[22] 2018-08-14
[41] 2020-02-14

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[13] A1
[51] **Int.Cl. G06F 15/00 (2006.01) G06F 1/16 (2006.01) G06F 1/20 (2006.01)**
[25] EN
[54] **SUBMERGED UNDERWATER MULTIPROCESSOR COMPUTING APPARATUS WITH MULTIPLEXED WIRES+ANTENNAS+CONFINED FREESPACE INTERCONNECT**
[54] **APPAREIL INFORMATIQUE A PROCESSEURS MULTIPLES SUBAQUATIQUES SUBMERGE DOTE DE FILS, D'ANTENNES ET D'INTERCONNEXIONS DE L'ESPACE LIBRE CONFINE MULTIPLEXES**
[72] PATEL, SURESHCHANDRA B., CA
[71] PATEL, SURESHCHANDRA B., CA
[22] 2018-08-14
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[51] **Int.Cl. B63B 1/12 (2006.01) B63B 3/48 (2006.01) B63B 5/24 (2006.01) B63C 13/00 (2006.01)**
[25] EN
[54] **PORTABLE MODULAR BOAT**
[54] **BATEAU MODULAIRE PORTATIF**
[72] RASTEGORAC, ZORAN Z. R., CA
[71] RASTEGORAC, ZORAN Z. R., CA
[22] 2018-08-14
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[13] A1
[51] **Int.Cl. A47C 21/00 (2006.01) A47C 31/00 (2006.01)**
[25] EN
[54] **STOP STRUCTURE FOR MATTRESS OF ELECTRIC BED**
[54] **STRUCTURE D'ARRET DU MATELAS D'UN LIT ELECTRIQUE**
[72] HUANG, CHI-CHUNG, CN
[71] APEX HEALTH CARE MFG. INC., CN
[22] 2018-08-15
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[51] **Int.Cl. B62K 11/14 (2006.01) B60K 20/02 (2006.01) B60K 23/02 (2006.01) B60K 26/02 (2006.01) B60T 7/04 (2006.01) B62K 23/02 (2006.01) B62K 23/08 (2006.01) A61F 2/54 (2006.01) A61F 2/58 (2006.01)**
[25] EN
[54] **MOTOR VEHICLE CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE VEHICULE AUTOMOBILE**
[72] CHERKASHOV, ALEXEY, CA
[71] CHERKASHOV, ALEXEY, CA
[22] 2018-08-15
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[51] **Int.Cl. F01C 1/344 (2006.01) F01C 19/00 (2006.01) F04C 2/344 (2006.01) F04C 15/00 (2006.01)**
[25] EN
[54] **VANE ACTUATOR ASSEMBLY FOR A ROTARY ENGINE**
[54] **ENSEMBLE ACTIONNEUR DE L'AUBAGE POUR UN MOTEUR A PISTON ROTATIF**
[72] UNKNOWN, XX
[71] STASINOPOULOU, ELENI, GR
[71] STASINOPOULOU, IRINI, GR
[22] 2018-08-15
[41] 2020-02-15

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[13] A1
[51] **Int.Cl. B60C 11/02 (2006.01)**
[25] EN
[54] **INTERCHANGEABLE TIRE THREAD**
[54] **BANDE DE ROULEMENT INTERCHANGEABLE**
[72] UNKNOWN, XX
[71] ARCOUETTE, GAUTIER G. A., CA
[22] 2018-08-15
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[51] **Int.Cl. B63B 3/00 (2006.01)**
[25] EN
[54] **AN AUTOMATED, PADDLER-ON-BOARD, PADDLE-CRAFT LAUNCH AND RETRIEVAL SYSTEM**
[54] **SYSTEME DE MISE A L'EAU ET DE RECUPERATION D'EMBARCATION A PAGAIE AUTOMATISE, PAGAYEUR A BORD**
[72] UNKNOWN, XX
[71] SQUAREK, DOUGLAS P., CA
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[51] **Int.Cl. C12C 12/00 (2006.01) C12C 5/00 (2006.01) C12C 7/00 (2006.01) C12C 11/00 (2006.01)**
[25] EN
[54] **MARIJUANA INFUSED CRAFT BEER RECIPE AND PROCESS**
[54] **RECETTE ET PROCEDE DE BIERE ARTISANALE CONTENANT DE LA MARIJUANA**
[72] MCCREEDY, JOHN, CA
[71] MCCREEDY, JOHN, CA
[22] 2018-08-15
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[51] **Int.Cl. H04L 12/24 (2006.01)**
[25] EN
[54] **PROVISIONING SERVER FOR AUTOMATED DATA PROVIDER PROVISIONING AND ASSOCIATED METHODS**
[54] **SERVEUR D'APPROVISIONNEMENT POUR APPROVISIONNER LE FOURNISSEUR DE DONNEES AUTOMATISEES ET PROCEDES ASSOCIES**
[72] MILLER, ROBERT KYLE, CA
[72] TORBICA, SONJA, CA
[72] ESPOSITO, HELENE NICOLE, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-08-15
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[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6876 (2018.01) G16B 25/10 (2019.01) A61K 31/136 (2006.01) A61K 31/175 (2006.01) A61K 31/198 (2006.01) A61K 31/475 (2006.01) A61K 31/538 (2006.01) A61K 31/573 (2006.01) A61K 31/655 (2006.01) A61K 31/7048 (2006.01) A61K 31/7068 (2006.01) A61K 38/50 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **GENE SIGNATURE TO PREDICT CHEMOTHERAPY RESPONSE IN SUBJECTS WITH LYMPHOMA**
[54] **SIGNATURE GENETIQUE POUR PREDIRE LA REACTION A LA CHIMIOTHERAPIE CHEZ DES INDIVIDUS ATTEINTS DE LYMPHOME**
[72] COOMBER, BRENDA, CA
[72] MEE, MILES WILLIAM, CA
[72] WOOD, GEOFFREY A., CA
[72] BIENZLE, DOROTHEE, CA
[72] WOODS, J. PAUL, CA
[71] UNIVERSITY OF GUELPH, CA
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[51] **Int.Cl. G01T 1/10 (2006.01)**
[25] EN
[54] **DEFORMABLE DOSIMETER**
[54] **DOSIMETRE DEFORMABLE**
[72] CLOUTIER, EMILY, CA
[72] ARCHAMBAULT, LOUIS, CA
[72] BEAULIEU, LUC, CA
[71] CLOUTIER, EMILY, CA
[71] ARCHAMBAULT, LOUIS, CA
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[51] **Int.Cl. G16B 25/10 (2019.01) G16B 25/00 (2019.01) A61P 31/00 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR THE TREATMENT OF MEDICAL CONDITIONS BY INTRAVENOUS THERAPY**
[54] **PROCEDE ET SYSTEME DE TRAITEMENT DES TROUBLES MEDICAUX AU MOYEN D'UNE PERFUSION INTRAVEINEUSE**
[72] PALUMBO, WYATT J., US
[71] PALUMBO, WYATT J., US
[22] 2018-08-14
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[51] **Int.Cl. B05B 1/02 (2006.01) B05B 1/18 (2006.01)**
[25] EN
[54] **SPRAY HEAD**
[54] **TETE DE PULVERISATION**
[72] MERCNIK, GERY HANSY, CA
[72] DESROSIERS, CYRILLE, CA
[71] SNOW LUTIONS INC., CA
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[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **CARTILAGE REMOVAL TOOL AND METHOD**
[54] **OUTIL D'EXTRACTION DE CARTILAGE ET METHODE**
[72] WOODWARD, JOSEPH RYAN, US
[72] LUTTRELL, PAUL, US
[72] THOREN, BRIAN ROBERT, US
[72] MULLER, ERIN, US
[72] STROHKIRCH, TERRANCE W., US
[72] LOWERY, GARY W., US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
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[41] 2020-02-09
[30] US (16/059,190) 2018-08-09

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[54] **OSTEOTOMY GUIDE**
[54] **GABARIT D'OSTEOTOMIE**
[72] WOODARD, JOSEPH RYAN, US
[72] LUTTRELL, PAUL, US
[72] MULLER, ERIN, US
[72] FREE, DANIEL E., US
[72] MOORE, JESSE G., US
[71] WRIGHT MEDICAL TECHNOLOGY, INC., US
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[30] US (16/100,308) 2018-08-10

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[51] **Int.Cl. F02C 7/20 (2006.01) B64D 27/10 (2006.01) B64D 27/24 (2006.01) F02C 7/32 (2006.01) F02C 7/36 (2006.01) F16M 5/00 (2006.01) H02K 7/18 (2006.01)**
[25] EN
[54] **GENSETS AND METHODS OF PRODUCING A GENSET**
[54] **GROUPES ELECTROGENES ET METHODES DE PRODUCTION D'UN GROUPE ELECTROGENE**
[72] HUGHES, MELISSA, US
[72] BANHAM, CHRISTOPHER, US
[72] BENNETT, BRIAN R., US
[72] SWINDLE, JASON L., US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[71] ROLLS-ROYCE CORPORATION, US
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[41] 2020-02-10
[30] US (16/101,194) 2018-08-10

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[13] A1
[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **A VAPORIZATION DEVICE, METHOD OF USING THE DEVICE, A CHARGING CASE, A KIT, AND A VIBRATION ASSEMBLY**
[54] **APPAREIL DE VAPORISATION, METHODE D'UTILISATION, BOITIER DE RECHARGE, TROUSSE ET ASSEMBLAGE DE VIBRATION**
[72] FORNARELLI, THOMAS, US
[71] GSW CREATIVE CORPORATION, US
[22] 2018-12-07
[41] 2020-02-09
[30] US (16/100,150) 2018-08-09

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[13] A1
[51] **Int.Cl. G06F 16/22 (2019.01) G06F 16/182 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **FILE STORAGE METHOD AND APPARATUS FOR BLOCKCHAIN NETWORK**
[54] **METHODE DE STOCKAGE DE FICHIERS ET APPAREIL DE RESEAU DE CHAINE DE BLOCS**
[72] ZHU, DAXIN, CN
[72] WANG, YU, CN
[71] SPACEBOOK TECHNOLOGY CO. LIMITED, VG
[22] 2019-01-16
[41] 2020-02-09
[30] CN (2018109029770) 2018-08-09

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[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 16/21 (2019.01)**
[25] EN
[54] **BLOCKCHAIN NETWORK AND TASK SCHEDULING METHOD THEREFOR**
[54] **RESEAU A CHAINE DE BLOC ET METHODE DE PLANIFICATION DE TACHE ASSOCIEE**
[72] WANG, YU, CN
[72] ZHU, DAXIN, CN
[71] SPACEBOOK TECHNOLOGY CO. LIMITED, VG
[22] 2019-01-18
[41] 2020-02-09
[30] CN (2018109029520) 2018-08-09

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[13] A1
[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/27 (2019.01) H04L 12/18 (2006.01) H04L 12/46 (2006.01)**
[25] EN
[54] **CONSENSUS INCENTIVE METHOD FOR BLOCKCHAIN**
[54] **METHODE INCITATIVE DANS L'ALGORITHME DE CONSENSUS DE LA CHAINE DE BLOCS**
[72] WANG, YU, CN
[72] ZHU, DAXIN, CN
[71] SPACEBOOK TECHNOLOGY CO. LIMITED, VG
[22] 2019-01-21
[41] 2020-02-09
[30] CN (2018109040074) 2018-08-09

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[13] A1
[51] **Int.Cl. E06B 11/02 (2006.01) E04H 17/00 (2006.01)**
[25] EN
[54] **SELF-CONTAINED GATE**
[54] **PORTE AUTONOME**
[72] DEL ROSSI, CAMILLO, CA
[71] VLM CONTAINERS INC., CA
[22] 2019-01-18
[41] 2020-02-14
[30] US (62/718,634) 2018-08-14

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[13] A1
[51] **Int.Cl. B66F 5/04 (2006.01) B66F 3/25 (2006.01) F15B 20/00 (2006.01)**
[25] EN
[54] **HYDRAULIC POWER UNIT FOR JACK WITH INTERNALLY ADJUSTABLE SAFETY RELIEF VALVE**
[54] **BLOC HYDRAULIQUE POUR UN CRIC DISPOSANT D'UNE SOUPAPE DE SURETE-DECHARGE INTERNE AJUSTABLE**
[72] ANDERSEN, JONATHAN I., US
[72] SCHULZ, BENJAMIN T., US
[72] EGGERT, DANIEL M., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-03-05
[41] 2020-02-13
[30] US (16/101,754) 2018-08-13

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[13] A1
[51] **Int.Cl. A45F 3/00 (2006.01) A45F 5/02 (2006.01) B25H 3/00 (2006.01)**
[25] EN
[54] **TOOL POUCH WITH BI-STABLE HINGED CLOSURES**
[54] **PORTE-OUTILS A FERMETURES A CHARNIERES BISTABLES**
[72] SATTERFIELD, JOSEPH ALLEN, US
[71] ROGUE INNOVATIVE TOOLS, INC., US
[22] 2019-03-22
[41] 2020-02-10
[30] US (16/221432) 2018-12-14
[30] US (16/101267) 2018-08-10

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[13] A1
[51] **Int.Cl. B66F 1/00 (2006.01) B66F 11/00 (2006.01) E04G 5/00 (2006.01) E04G 5/06 (2006.01)**
[25] EN
[54] **PUMP JACK CENTERING ROLLER SYSTEM**
[54] **SYSTEME DE CENTRAGE A ROULEAUX D'UN CHEVALET DE POMPAGE**
[72] JABLONSKI, KEVIN, US
[71] ALUM-A-POLE CORPORATION, US
[22] 2019-03-25
[41] 2020-02-13
[30] US (62/717,985) 2018-08-13

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[13] A1
[51] **Int.Cl. A01B 63/16 (2006.01) B60T 7/20 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING THE POSITION OF AN AGRICULTURAL IMPLEMENT BY APPLYING A BRAKING FORCE TO A WHEEL OF THE IMPLEMENT**
[54] **SYSTEME ET METHODE POUR CONTROLER LA POSITION D'UN APPAREIL AGRICOLE EN APPLIQUANT UNE FORCE DE FREINAGE A UNE ROUE DE L'APPAREIL**
[72] ZEMENCHIK, ROBERT A., US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2019-05-13
[41] 2020-02-14
[30] US (16/103,333) 2018-08-14

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[13] A1
[51] **Int.Cl. A01B 69/00 (2006.01)**
[25] EN
[54] **COMBINED GAGE WHEEL AND INTEGRATED TRANSPORT SYSTEM**
[54] **ROUE DE JAUGE ET SYSTEME DE TRANSPORT INTEGRE D`UN APPAREIL AGRICOLE**
[72] CHEN, JIXIN, US
[72] VANDEVEN, MICHAEL L., US
[71] DEERE & COMPANY, US
[22] 2019-05-24
[41] 2020-02-15
[30] US (62/764,936) 2018-08-15
[30] US (16/240,225) 2019-01-04

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[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) H04N 21/80 (2011.01) G06T 7/70 (2017.01) G06T 7/20 (2017.01) G08B 13/196 (2006.01) H04N 5/232 (2006.01)**
[25] EN
[54] **OBJECT-TRACKING SYSTEM**
[54] **SYSTEME DE REPERAGE D`OBJETS**
[72] JANJIC, IGOR, US
[72] CHOI, JAE-WOO, US
[72] WU, FRANKLIN, US
[71] AURORA FLIGHT SCIENCES CORPORATION, US
[22] 2019-05-28
[41] 2020-02-10
[30] US (16/100,533) 2018-08-10

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[13] A1
[51] **Int.Cl. A01B 73/00 (2006.01) A01D 47/00 (2006.01) B62D 7/18 (2006.01)**
[25] EN
[54] **INTEGRATED TRANSPORT SYSTEMS WIH KINGPIN STEERING**
[54] **SYSTEMES DE TRANSPORT INTEGRES A GUIDAGE SUR CHEVILLE**
[72] CHEN, JIXIN, US
[72] VANDEVEN, MICHAEL L., US
[71] DEERE & COMPANY, US
[22] 2019-06-20
[41] 2020-02-15
[30] US (62/764,936) 2018-08-15
[30] US (16/427,647) 2019-05-31

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[13] A1
[51] **Int.Cl. B65G 65/28 (2006.01) B65G 15/60 (2006.01) B65G 65/06 (2006.01)**
[25] EN
[54] **STACKER-RECLAIMER APPARATUS**
[54] **CONVOYEUR EMPILEUR-RAMASSEUR**
[72] KAUFMANN, MARIO, AT
[71] FMW FORDERANLAGEN GMBH, AT
[22] 2019-06-26
[41] 2020-02-10
[30] US (16/100,898) 2018-08-10

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[13] A1
[51] **Int.Cl. A01B 63/14 (2006.01) A01B 63/00 (2006.01) A01B 76/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INITIATING CONTROL OF COMPONENTS OF A WORK VEHICLE BASED ON INPUT RECEIVED FROM A USER INTERFACE OF AN ASSOCIATED AGRICULTURAL IMPLEMENT**
[54] **SYSTEME ET METHODE DE MISE EN MARCHE DU CONTROLE DES COMPOSANTES D`UN VEHICULE DE TRAVAIL EN FONCTION DES COMMANDES RECUES D`UNE INTERFACE UTILISATEUR D`UN APPAREIL AGRICOLE CONNEXE**
[72] KOWALCHUK, TREVOR L., CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-06-27
[41] 2020-02-09
[30] US (16/059,643) 2018-08-09

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 21/00 (2006.01)**
[25] EN
[54] **ACTIVE FLOW TUNING OF SECONDARY HEADER**
[54] **MISE AU POINT A CONTROLE ACTIF D`UN TABLIER SECONDAIRE**
[72] NOBLE, SCOTT D., CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-06-27
[41] 2020-02-10
[30] US (16/100,578) 2018-08-10

[21] **3,048,697**
[13] A1
[51] **Int.Cl. H04W 48/04 (2009.01) H04W 12/06 (2009.01) H04W 88/10 (2009.01) H05K 9/00 (2006.01)**
[25] EN
[54] **PORTABLE WIRELESS COMMUNICATIONS ADAPTER**
[54] **ADAPTATEUR DE COMMUNICATION SANS FIL POUR APPAREIL PORTATIF**
[72] BALASUBRAMANIAN, RAMESHKUMAR, IN
[72] DUSSA, PULLAIAH, IN
[72] LYNCH, MICHAEL A., US
[71] GOODRICH AEROSPACE SERVICES PRIVATE LIMITED, IN
[22] 2019-07-04
[41] 2020-02-09
[30] IN (201841029926) 2018-08-09

[21] **3,049,055**
[13] A1
[51] **Int.Cl. A01B 33/02 (2006.01) A01B 33/16 (2006.01) A01B 73/02 (2006.01)**
[25] EN
[54] **FRAME ASSEMBLY AND ACTUATOR ARRANGEMENT FOR AGRICULTURAL IMPLEMENTS**
[54] **ASSEMBLAGE DE CADRE ET DISPOSITION D`ACTIONNEURS D,APPAREILS AGRICOLES**
[72] BECKER, SHAWN J., US
[72] PETERSON, ANDREW J., US
[72] BEECK, MARK D., US
[72] RUCKLE, JARROD R., US
[71] DEERE & COMPANY, US
[22] 2019-07-10
[41] 2020-02-15
[30] US (15/999,161) 2018-08-15

[21] **3,049,057**
[13] A1
[51] **Int.Cl. A01B 73/02 (2006.01) E05D 7/00 (2006.01)**
[25] EN
[54] **COMPACT HINGE ASSEMBLY FOR FLOATING AND FOLDING FRAME SECTIONS**
[54] **ASSEMBLAGE COMPACT DE CHARNIERES POUR DES SECTIONS DE CADRE FLOTTANT ET PLIANT**
[72] LIMAYE, PADMANABH, IN
[72] SVIDAL, TROND A., US
[71] DEERE & COMPANY, US
[22] 2019-07-10
[41] 2020-02-15
[30] US (15/998,703) 2018-08-15

[21] **3,049,194**
[13] A1
[51] **Int.Cl. F28D 1/00 (2006.01) B64D 33/08 (2006.01) B64D 47/00 (2006.01) H05K 7/20 (2006.01)**
[25] EN
[54] **HEAT TRANSFER DEVICES AND METHODS FOR FACILITATING CONVECTIVE HEAT TRANSFER WITH A HEAT SOURCE OR A COLD SOURCE**
[54] **DISPOSITIFS DE TRANSFERT THERMIQUE ET METHODES DE FACILITATION DU TRANSFERT THERMIQUE PAR CONVECTION AVEC UNE SOURCE DE CHALEUR OU UNE SOURCE DE FROID**
[72] VETO, CHRISTOPHER C., US
[72] BUNCH, ERNEST E., US
[71] THE BOEING COMPANY, US
[22] 2019-07-10
[41] 2020-02-09
[30] US (16/059,872) 2018-08-09

[21] **3,049,213**
[13] A1
[51] **Int.Cl. A01B 63/22 (2006.01) A01B 33/02 (2006.01) A01B 63/16 (2006.01)**
[25] EN
[54] **FRAME AND LEVELING ASSEMBLY FOR AGRICULTURAL IMPLEMENT**
[54] **CADRE ET ASSEMBLAGE DE MISE A NIVEAU D`UN APPAREIL AGRICOLE**
[72] BECKER, SHAWN J., US
[72] BEECK, MARK D., US
[72] PETERSON, ANDREW J., US
[72] RUCKLE, JARROD R., US
[71] DEERE & COMPANY, US
[22] 2019-07-11
[41] 2020-02-15
[30] US (15/998,824) 2018-08-15

[21] **3,049,214**
[13] A1
[51] **Int.Cl. A01B 73/02 (2006.01) A01B 63/24 (2006.01) A01B 76/00 (2006.01) E05D 7/04 (2006.01)**
[25] EN
[54] **HINGE ASSEMBLY FOR WING FRAME SECTIONS OF AGRICULTURAL IMPLEMENT**
[54] **ASSEMBLAGE DE CHARNIERE POUR LES SECTIONS D`UN CADRE D`EXTENSION D`UN APPAREIL AGRICOLE**
[72] BECKER, SHAWN J., US
[72] PETERSON, ANDREW J., US
[72] BEECK, MARK D., US
[72] RUCKLE, JARROD R., US
[71] DEERE & COMPANY, US
[22] 2019-07-11
[41] 2020-02-15
[30] US (62/764,822) 2018-08-15
[30] US (16/406,402) 2019-05-08

[21] **3,049,565**
[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B25B 5/16 (2006.01) B60J 7/08 (2006.01) B62D 33/04 (2006.01) F16B 2/12 (2006.01)**
[25] EN
[54] **ADJUSTABLE CLAMP**
[54] **DISPOSITIF D`ANCRAGE AJUSTABLE**
[72] VOEGELE, TYLER ALYCE, US
[72] OYE, JERRY, US
[71] RETRAX HOLDINGS, LLC, US
[22] 2019-07-15
[41] 2020-02-14
[30] US (16/103,232) 2018-08-14

[21] **3,049,571**
[13] A1
[51] **Int.Cl. H04W 88/10 (2009.01) H04W 12/06 (2009.01) H04W 76/14 (2018.01) H04B 1/40 (2015.01) H05K 9/00 (2006.01)**
[25] EN
[54] **WAIC INTERFACE DEVICE**
[54] **INTERFACE WAIC**
[72] BALASUBRAMANIAN, RAMESHKUMAR, IN
[72] DUSSA, PULLAIAH, IN
[72] LYNCH, MICHAEL A., US
[71] GOODRICH AEROSPACE SERVICES PRIVATE LIMITED, IN
[22] 2019-07-12
[41] 2020-02-09
[30] IN (201841029927) 2018-08-09

[21] **3,049,580**
[13] A1
[51] **Int.Cl. A47J 43/04 (2006.01) A47J 43/044 (2006.01) A47J 43/07 (2006.01)**
[25] EN
[54] **PEANUT BUTTER MIXER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MELANGE DE BEURRE D`ARACHIDE**
[72] VENABLES, STACEY, CA
[71] VENABLES, STACEY, CA
[22] 2019-07-12
[41] 2020-02-14
[30] US (16103728) 2018-08-14

[21] **3,049,875**
[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01) C09K 8/508 (2006.01) C09K 8/68 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **FRAC FLUIDS FOR FAR FIELD DIVERSION**
[54] **FLUIDE DE FRACTURATION POUR DEVIATION EN CHAMP ELOIGNE**
[72] VIGDERMAN, LEONID, US
[72] SHEN, LINGJUAN, US
[72] FU, DIANKUI, US
[71] BJ SERVICES, LLC, US
[22] 2019-07-16
[41] 2020-02-10
[30] US (62/717335) 2018-08-10
[30] US (16/111407) 2018-08-24

[21] **3,049,968**
[13] A1
[51] **Int.Cl. G01F 25/00 (2006.01) G01F 23/62 (2006.01)**
[25] EN
[54] **FAULT DETECTION SYSTEM AND METHOD FOR LIQUID LEVEL SENSING DEVICE**
[54] **SYSTEME DE DETECTION DES ANOMALIES ET METHODE LIEE A UN CAPTEUR DU NIVEAU DE LIQUIDE**
[72] MCCARTHY, SEAN, CA
[72] BIBOR, OLIVIER, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-07-16
[41] 2020-02-14
[30] US (16/103,412) 2018-08-14

[21] **3,050,053**
[13] A1
[51] **Int.Cl. H05B 47/155 (2020.01) G05B 11/38 (2006.01)**
[25] EN
[54] **ENVIRONMENT CONTROLLER AND METHOD FOR PROPORTIONALLY ADJUSTING THE LIGHT INTENSITY OF SEVERAL LIGHTING DEVICES**
[54] **CONTROLEUR D`ENVIRONNEMENT ET METHODE D`AJUSTAGE PROPORTIONNEL DE L`INTENSITE LUMINEUSE DE PLUSIEURS DISPOSITIFS D`ECLAIRAGE**
[72] GAGNON, DOMINIC, CA
[71] DISTECH CONTROLS INC., CA
[22] 2019-07-18
[41] 2020-02-09
[30] US (16/059,366) 2018-08-09

[21] **3,050,068**
[13] A1
[51] **Int.Cl. B66F 9/06 (2006.01) B60P 3/07 (2006.01) B62D 63/06 (2006.01) B66F 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND APPARATUSES FOR ENGAGING AND TRANSPORTING OBJECTS**
[54] **SYSTEMES, METHODES ET APPAREILS POUR PRENDRE ET TRANSPORTER DES OBJETS**
[72] WOODROUGH, STEPHENS B., US
[71] UNITED PARCEL SERVICE OF AMERICA, INC., US
[22] 2019-07-17
[41] 2020-02-13
[30] US (16/102,060) 2018-08-13

[21] **3,050,274**
[13] A1
[51] **Int.Cl. F24T 10/20 (2018.01) E21B 47/07 (2012.01)**
[25] EN
[54] **METHOD FOR THERMAL PROFILE CONTROL AND ENERGY RECOVERY IN GEOTHERMAL WELLS**
[54] **METHODE DE CONTROLE DU PROFIL THERMIQUE ET DE RECUPERATION D`ENERGIE DANS LES PUITS GEOTHERMIQUES**
[72] CAIRNS, PAUL, CA
[72] TOEWS, MATTHEW, CA
[72] REDFERN, JOHN, CA
[71] EAVOR TECHNOLOGIES INC., CA
[22] 2019-07-22
[41] 2020-02-12
[30] US (62717849) 2018-08-12

[21] **3,050,277**
[13] A1
[51] **Int.Cl. F16F 9/38 (2006.01) B60G 13/00 (2006.01)**
[25] EN
[54] **SHIELD FOR VEHICLE SHOCK ABSORBER**
[54] **BOUCLIER D`AMORTISSEUR DE VEHICULE**
[72] TURNER, MARK A., US
[71] DAYSTAR PRODUCTS INTERNATIONAL, INC., US
[22] 2019-07-22
[41] 2020-02-14
[30] US (16/103,769) 2018-08-14

[21] **3,050,587**
[13] A1
[51] **Int.Cl. A61B 10/02 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **PUNCH BIOPSY DEVICE**
[54] **APPAREIL DE BIOPSIE A L`EMPORTE-PIECE**
[72] PONA, ADRIAN, CA
[71] PONA, ADRIAN, CA
[22] 2019-07-25
[41] 2020-02-09
[30] US (62/716,622) 2018-08-09

[21] **3,050,773**
[13] A1
[51] **Int.Cl. F16K 31/70 (2006.01) F16K 31/34 (2006.01) F16K 31/44 (2006.01)**
[25] EN
[54] **MECHANICAL SAFETY SHUT-DOWN VALVE**
[54] **VALVE D`ARRET DE SECURITE MECANIQUE**
[72] GRAVES, JAMES, US
[72] QUIJADA, BORIS, US
[71] ACORN ENGINEERING COMPANY, US
[22] 2019-07-29
[41] 2020-02-09
[30] US (16/059711) 2018-08-09

[21] **3,050,774**
[13] A1
[51] **Int.Cl. B32B 27/18 (2006.01) C09J 7/29 (2018.01) B32B 27/32 (2006.01) B32B 38/14 (2006.01)**
[25] EN
[54] **ANTI-MICROBIAL DECORATIVE LAMINATE**
[54] **STRATIFIE ANTIMICROBIEN**
[72] YOUNG, STEPHEN, US
[72] SWANSON, KEVIN GRIFFITH, US
[72] NUNES, DANIEL, US
[72] DREXLER, JASON, US
[71] THE BOEING COMPANY, US
[22] 2019-07-26
[41] 2020-02-10
[30] US (16/101,341) 2018-08-10

[21] **3,050,780**
[13] A1
[51] **Int.Cl. F04D 19/04 (2006.01) F04D 17/12 (2006.01) F04D 17/16 (2006.01) H01J 49/26 (2006.01)**
[25] EN
[54] **TURBO MOLECULAR PUMP FOR MASS SPECTROMETER**
[54] **POMPE TURBOMOLECULAIRE DE SPECTROMETRE DE MASSE**
[72] STEINER, URS, CH
[72] FRANZEN, JOCHEN, DE
[71] BRUKER DALTONIK GMBH, DE
[22] 2019-07-30
[41] 2020-02-14
[30] DE (102018119747-0) 2018-08-14

[21] **3,050,842**
[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 25/04 (2006.01) F04D 29/44 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **COMPRESSOR DIFFUSER WITH DIFFUSER PIPES VARYING IN NATURAL VIBRATION FREQUENCIES**
[54] **DIFFUSEUR DE COMPRESSEUR DONT LES TUYAUX ONT DES FREQUENCES DE VIBRATION NATURELLES VARIEES**
[72] THERATIL, IGNATIUS, CA
[72] ABATE, ALDO, CA
[72] BALIKE, KRISHNA PRASAD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-07-29
[41] 2020-02-10
[30] US (16/100,473) 2018-08-10

[21] **3,050,873**
[13] A1
[51] **Int.Cl. G06Q 50/04 (2012.01) B64F 5/10 (2017.01) G06N 20/00 (2019.01) G07C 3/14 (2006.01)**
[25] EN
[54] **AUTOMATED SUPERVISION AND INSPECTION OF ASSEMBLY PROCESS**
[54] **SUPERVISION ET INSPECTION AUTOMATISEES D`UN PROCESSUS D`ASSEMBLAGE**
[72] YU, HUAFENG, US
[72] REMINE, DANIEL S., US
[72] STAUDINGER, TYLER CHARLES, US
[71] THE BOEING COMPANY, US
[22] 2019-07-29
[41] 2020-02-14
[30] US (62/718,786) 2018-08-14

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[13] A1
[51] **Int.Cl. G01N 21/00 (2006.01) G02B 26/00 (2006.01) H01S 3/10 (2006.01)**
[25] EN
[54] **PULSE STRETCHING TECHNIQUE FOR LASER BOND INSPECTION, LASER ULTRASONIC INSPECTION, AND LASER PEENING**
[54] **TECHNIQUE D`EXTENSION D`IMPULSIONS POUR L`INSPECTION D`UNE LIAISON AU LASER, L`INSPECTION PAR ULTRA-SONS AU LASER ET L`ECROUISSAGE AU LASER**
[72] SAFAI, MORTEZA, US
[71] THE BOEING COMPANY, US
[22] 2019-07-29
[41] 2020-02-13
[30] US (16/102,551) 2018-08-13

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[13] A1
[51] **Int.Cl. A47F 3/08 (2006.01) A47F 3/04 (2006.01) B65G 1/12 (2006.01) B65G 1/137 (2006.01) F25D 13/06 (2006.01)**
[25] EN
[54] **COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT**
[72] DOUGLAS, JONATHAN DAVID, US
[72] PARKER, KRISTAL CHANTE, US
[72] WISE, RICHARD CARL, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2019-07-31
[41] 2020-02-10
[30] US (16/100,483) 2018-08-10

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[13] A1
[51] **Int.Cl. G06Q 50/04 (2012.01) B64F 5/10 (2017.01) G07C 3/14 (2006.01)**
[25] EN
[54] **AUTOMATED SUPERVISION AND INSPECTION OF ASSEMBLY PROCESS**
[54] **SUPERVISION ET INSPECTION AUTOMATISEES D`UN PROCESSUS D`ASSEMBLAGE**
[72] REMINE, DANIEL S., US
[72] YU, HUAFENG, US
[71] THE BOEING COMPANY, US
[22] 2019-07-31
[41] 2020-02-14
[30] US (62/718812) 2018-08-14

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[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 25/04 (2006.01) F04D 29/44 (2006.01) F04D 29/66 (2006.01)**
[25] EN
[54] **COMPRESSOR DIFFUSER WITH DIFFUSER PIPES HAVING AERO-DAMPERS**
[54] **DIFFUSEUR DE COMPRESSEUR DONT LES TUYAUX ONT DES AMORTISSEURS AERODYNAMIQUES**
[72] BALIKE, KRISHNA PRASAD, CA
[72] THERATIL, IGNATIUS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-02
[41] 2020-02-10
[30] US (16/100,473) 2018-08-10
[30] US (62/818,296) 2019-03-14
[30] US (16/391,627) 2019-04-23

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[13] A1
[51] **Int.Cl. B62D 55/104 (2006.01) B62D 55/07 (2006.01)**
[25] EN
[54] **TRACKED VEHICLE**
[54] **VEHICULE CHENILLE**
[72] BATES, RICHARD H., JR., US
[72] EATON, JONATHON R., US
[71] POLARIS INDUSTRIES INC., US
[22] 2019-08-02
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[51] **Int.Cl. A47B 21/06 (2006.01) A47B 9/00 (2006.01) F16L 3/26 (2006.01)**
[25] EN
[54] **ADJUSTABLE WORKSTATION WITH CABLE MANAGEMENT**
[54] **POSTE DE TRAVAIL AJUSTABLE AVEC SYSTEME DE GESTION DES CABLES**
[72] NOURSE, BRIAN, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-08-06
[41] 2020-02-09
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[54] **GRATING**
[54] **CAILLEBOTIS**
[72] SCHNEIDER, JARED A., US
[72] NIESEN, BOYD F., US
[72] HALL, ROBERT W., US
[72] STEVENSON, JERID, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-08-06
[41] 2020-02-10
[30] US (16/100994) 2018-08-10

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[51] **Int.Cl. G06K 9/78 (2006.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **INTELLIGENT FACE IDENTIFICATION**
[54] **RECONNAISSANCE FACIALE INTELLIGENTE**
[72] KUMAR, ASHWINI, US
[72] SHIRVANY, YAZDAN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-08-05
[41] 2020-02-09
[30] US (16/100,114) 2018-08-09

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[13] A1
[51] **Int.Cl. A61B 5/053 (2006.01) A61B 34/20 (2016.01) A61B 5/06 (2006.01)**
[25] EN
[54] **REDUCING CAPACITANCE EFFECTS IN ACTIVE CURRENT LOCATION (ACL)**
[54] **REDUCTION DES EFFETS DE CAPACITE DANS LES EMPLACEMENTS A COURANT ACTIF**
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-07
[41] 2020-02-09
[30] US (16/059,401) 2018-08-09

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[13] A1
[51] **Int.Cl. B60K 17/22 (2006.01) B60F 5/00 (2006.01) B60K 17/24 (2006.01)**
[25] EN
[54] **OFF-ROAD RECREATIONAL VEHICLE**
[54] **VEHICULE RECREATIF HORS ROUTE**
[72] OLASON, KYLE D., US
[71] ARCTIC CAT INC., US
[22] 2019-08-07
[41] 2020-02-13
[30] US (16/102,135) 2018-08-13

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[51] **Int.Cl. G01N 21/64 (2006.01)**
[25] EN
[54] **PORTABLE BIOMARKER READER**
[54] **LECTEUR PORTATIF DE MARQUEURS BIOLOGIQUES**
[72] SCOTT, ALAN, US
[71] COM DEV LTD., CA
[22] 2019-08-07
[41] 2020-02-10
[30] US (16/100881) 2018-08-10

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[25] EN
[54] **FLUID FLOW GUIDE INSERT FOR HEAT EXCHANGER TUBES**
[54] **GUIDE D`ECOULEMENT POUR TUBES D`ECHANGEUR DE CHALEUR**
[72] MANAY, ATILHAN, US
[71] RHEEM MANUFACTURING COMPANY, US
[22] 2019-08-07
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[30] US (16/059,955) 2018-08-09

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[13] A1
[51] **Int.Cl. B61L 25/02 (2006.01)**
[25] EN
[54] **A TRAIN DETECTION SYSTEM FOR A RAILWAY TRACK, A METHOD FOR DETECTING A TRAIN ON A RAILWAY TRACK, AND A CONTROLLER FOR A TRAIN DETECTION SYSTEM FOR DETECTING A TRAIN ON A RAILWAY TRACK**
[54] **SYSTEME DE DETECTION DE TRAIN POUR UNE VOIE FERREE, METHODE DE DETECTION DE TRAIN SUR UNE VOIE FERREE ET COMMANDE D`UN SYSTEME DE DETECTION DE TRAIN POUR DETECTER UN TRAIN SUR UNEVOIE FERREE**
[72] FRIES, JEFFREY, US
[72] COOPER, JARED, US
[72] MARTIN, PHILLIP, US
[72] SNYDER, SENECA, US
[72] NAGRODSKY, NICHOLAS, US
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2019-08-06
[41] 2020-02-09
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[25] EN
[54] **ALL-WEATHER PRESSURE-SENSITIVE ADHESIVE**
[54] **ADHESIF AUTOCOLLANT SANS EGARD AUX CONDITIONS METEOROLOGIQUES**
[72] WIERCINSKI, ROBERT A., US
[72] HYDER, MD NASIM, US
[72] RANGANATHAN, ANANDAKUMAR, US
[72] SETH, JYOTI, US
[71] GCP APPLIED TECHNOLOGIES INC., US
[22] 2019-08-07
[41] 2020-02-10
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[25] EN
[54] **AIRCRAFT WITH ELECTRIC PROPULSOR**
[54] **AERONEF DISPOSANT D`UN PROPULSEUR ELECTRIQUE**
[72] DIERKSMEIER, DOUGLAS D., US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[22] 2019-08-07
[41] 2020-02-10
[30] US (16/101005) 2018-08-10

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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/042 (2006.01) A61B 5/05 (2006.01) G06F 17/11 (2006.01)**
[25] EN
[54] **NONLINEAR ELECTRIC FIELD LOCATION SYSTEM**
[54] **SYSTEME DE LOCALISATION D`UN CHAMP ELECTRIQUE NON LINEAIRE**
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-08
[41] 2020-02-09
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[51] **Int.Cl. H01F 7/124 (2006.01) H01F 7/16 (2006.01)**
[25] EN
[54] **SOLENOID INCLUDING ARMATURE ANTI-ROTATION STRUCTURE**
[54] **SOLENOIDE AYANT UNE STRUCTURE ANTIROTATION D`ARMATURE**
[72] MAHAJAN, DEEPAK PITAMBAR, US
[72] KINGSLEY JONES, KEVIN ALLAN, US
[72] ANAND, VARUN, US
[72] YADAV, GOVIND, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2019-08-08
[41] 2020-02-13
[30] US (16/101702) 2018-08-13

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[51] **Int.Cl. G08G 1/01 (2006.01) H04W 4/06 (2009.01) H04W 4/80 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD OF MAINTAINING TRAFFIC APPARATUS LOCATION INFORMATION**
[54] **SYSTEME ET PROCEDE DE MAINTIEN DES INFORMATIONS DE LOCALISATION DU DISPOSITIF DU TRAFIC**
[72] BEAUDRY, SERGE, CA
[72] LANGLOIS, ALEXANDRE, CA
[71] VER-MAC, CA
[22] 2019-08-08
[41] 2020-02-09
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[25] EN
[54] **ACTIVATORS OF THE RETINOIC ACID INDUCIBLE GENE "RIG-I" PATHWAY AND METHODS OF USE THEREOF**
[54] **ACTIVATEURS DE LA TRAJECTOIRE DU GENE INDUCTIBLE PAR L`ACIDE RETINOIQUE « RIG-I » ET PROCEDES D`UTILISATION ASSOCIES**
[72] BEDARD, KRISTIN, US
[72] GOLDBERG, DANIEL R., US
[72] PROBST, PETER, US
[71] KINETA, INC., US
[22] 2019-08-08
[41] 2020-02-09
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[51] **Int.Cl. E06C 1/39 (2006.01) E06C 1/08 (2006.01) E06C 1/387 (2006.01) E06C 7/16 (2006.01) E06C 7/18 (2006.01)**
[25] EN
[54] **CONFIGURABLE LADDER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D`ECHELLE CONFIGURABLE**
[72] MONCADA, FRANCISCO JAVIER MORENO, MX
[71] LOUISVILLE LADDER INC., US
[22] 2019-08-08
[41] 2020-02-09
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[25] EN
[54] **OFF-GRID ELECTRICAL POWER SYSTEM**
[54] **RESEAU ELECTRIQUE AUTONOME**
[72] SILVA, WILLIAM GRANT, US
[71] UNITED RENEWABLE ENERGY, LLC, US
[22] 2019-08-08
[41] 2020-02-09
[30] US (16/059,460) 2018-08-09

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[51] **Int.Cl. H05B 45/10 (2020.01)**
[25] EN
[54] **PROGRAMMABLE DRIVER FOR VARIABLE LIGHT INTENSITY**
[54] **CONDUCTEUR PROGRAMMABLE POUR UNE INTENSITE D`ECLAIRAGE VARIABLE**
[72] CHOWDHURY, TOWFIQ M., US
[72] CHEN, FENG, US
[71] ABL IP HOLDING LLC, US
[22] 2019-08-08
[41] 2020-02-09
[30] US (16/059,606) 2018-08-09

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[51] **Int.Cl. H02G 3/12 (2006.01) H01R 13/73 (2006.01)**
[25] EN
[54] **POKE-THROUGH ELECTRICAL OUTLET ASSEMBLY WITH LEVELING BEZEL**
[54] **ENSEMBLE DE PRISES ELECTRIQUES DE SOL AYANT UNE LUNETTE DE MISE A NIVEAU**
[72] BYRNE, NORMAN R., US
[72] LAUTENBACH, AARON G., US
[72] HALLER, MATTHEW R., US
[72] MITCHELL, MARC A., US
[71] BYRNE, NORMAN R., US
[22] 2019-08-08
[41] 2020-02-10
[30] US (62/717604) 2018-08-10
[30] US (62/720482) 2018-08-21

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[51] **Int.Cl. B60G 17/017 (2006.01) B61F 5/00 (2006.01) B61F 99/00 (2006.01)**
[25] FR
[54] **CONTROL METHOD FOR VEHICLE AND ASSOCIATED VEHICLE HEIGHT**
[54] **PROCEDE DE COMMANDE DE LA HAUTEUR D'UN VEHICULE ET VEHICULE ASSOCIE**
[72] DAUSOA, SACHEEN, FR
[72] BONIN, ERIC, FR
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2019-08-07
[41] 2020-02-09
[30] FR (18 57406) 2018-08-09

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[51] **Int.Cl. B02C 13/28 (2006.01) B02C 13/04 (2006.01) B02C 13/26 (2006.01) B22D 19/04 (2006.01) B22D 19/16 (2006.01)**
[25] EN
[54] **BI-METALLIC SWING HAMMERS**
[54] **MARTEAUX ARTICULES BIMETALLIQUES**
[72] LIN, QINGSHENG, US
[71] BABCOCK POWER SERVICES, INC., US
[22] 2019-08-07
[41] 2020-02-10
[30] US (16/100,692) 2018-08-10

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[51] **Int.Cl. G01N 33/558 (2006.01) G01N 30/86 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **METHODS FOR ASSESSING BINDING AFFINITY OF AN ANTIBODY VARIANT TO THE NEONATAL FC RECEPTOR**
[54] **PROCEDES D`EVALUATION DE L`AFFINITE DE LIAISON D`UNE VARIANTE D`ANTICORPS AU RECEPTEUR FC NEONATAL**
[72] WANG, HONGXIA, US
[72] QIU, HAIBO, US
[72] LI, NING, US
[72] ZHAO, XUEQING, US
[71] REGENERON PHARMACEUTICALS, INC., US
[22] 2019-08-08
[41] 2020-02-09
[30] US (62/716,835) 2018-08-09

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[51] **Int.Cl. C09J 131/04 (2006.01) C09J 11/00 (2006.01) C09J 129/04 (2006.01)**
[25] EN
[54] **LIQUID ADHESIVE CONCENTRATE**
[54] **CONCENTRE D`ADHESIF LIQUIDE**
[72] GLUNT, DAVID MICHAEL, US
[72] DANIEL, PARIS T., US
[71] DUCTMATE INDUSTRIES, INC., US
[22] 2019-08-09
[41] 2020-02-09
[30] US (62/716438) 2018-08-09
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[51] **Int.Cl. H04M 3/44 (2006.01) H04L 12/717 (2013.01)**
[25] EN
[54] **TOLL-FREE TELECOMMUNICATIONS DATA MANAGEMENT INTERFACE**
[54] **INTERFACE DE GESTION DES DONNEES DE TELECOMMUNICATIONS SANS FIL**
[72] KARNAS, RYAN, US
[72] VEERAMACHANENI, LALITHA, US
[72] LAKHANI, DEWANG, US
[71] SOMOS, INC., US
[22] 2019-08-09
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[51] **Int.Cl. A61K 31/4178 (2006.01) A61K 31/135 (2006.01) A61K 31/551 (2006.01) A61K 31/5513 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **METHOD OF TREATMENT FOR KETAMINE INFUSION**
[54] **PROCEDE DE TRAITEMENT PAR PERFUSION DE KETAMINE**
[72] CLIFTON, JOHN BRYAN, US
[72] CLIFTON, J. CANNON, US
[72] MORAN, MARK ALAN, US
[72] WORRICH, SCOTT PATRICK, US
[71] KALYPSO TC LLC, US
[22] 2019-08-09
[41] 2020-02-10
[30] US (16/101,217) 2018-08-10

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[51] **Int.Cl. B27N 1/02 (2006.01) B27N 3/02 (2006.01) B32B 21/02 (2006.01)**
[25] EN
[54] **PRODUCTION OF ORIENT STRAND BOARD**
[54] **PRODUCTION DE PANNEAU DE COPEAUX ORIENTES**
[72] LAPLANTE, ALAIN, CA
[72] THIBAULT, MATHIEU, CA
[72] NADEZHDIN, ALEKSANDER, CA
[71] NORBORD INC., CA
[22] 2019-08-09
[41] 2020-02-10
[30] US (62/717,214) 2018-08-10

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[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **DOUBLE NEGATIVE T CELLS AND PD-1 BLOCKADE FOR THE TREATMENT OF CANCER**
[54] **LYMPHOCYTES T DOUBLE NEGATIFS ET BLOCAGE PD-1 POUR LE TRAITEMENT DU CANCER**
[72] ZHANG, LI, CA
[72] LY, DALAM, CA
[72] FANG, LINAN, CA
[71] UNIVERSITY HEALTH NETWORK, CA
[22] 2019-08-09
[41] 2020-02-09
[30] US (62/716665) 2018-08-09

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[13] A1
[51] **Int.Cl. C07F 7/08 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING ACETOXY-BEARING SILOXANES**
[54] **PROCEDE DE PRODUCTION DE SILOXANES D`ACETOXY**
[72] KNOTT, WILFRIED, DE
[72] DUDZIK, HORST, DE
[72] HENNING, FRAUKE, DE
[72] CASSENS, JAN, DE
[71] EVONIK DEGUSSA GMBH, DE
[22] 2019-08-08
[41] 2020-02-15
[30] EP (18 189 073.2) 2018-08-15

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[51] **Int.Cl. H04L 12/24 (2006.01) H04L 12/751 (2013.01) G06F 16/00 (2019.01)**
[25] EN
[54] **PARTIAL DISCOVERY OF CLOUD-BASED RESOURCES**
[54] **DECOUVERTE D`UNE PARTIE DES RESSOURCES EN NUAGE**
[72] TAL, HAIL, US
[72] RIMAR, YUVAL, US
[72] GARTY, ASAF, US
[71] SERVICENOW, INC., US
[22] 2019-08-09
[41] 2020-02-09
[30] US (16/059,813) 2018-08-09

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[13] A1
[51] **Int.Cl. G06N 3/02 (2006.01) G06N 3/04 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENCODING AND PROCESSING SYMBOL STRUCTURES USING VECTOR-DERIVED TRANSFORMATION BINDING**
[54] **PROCEDES ET SYSTEMES DE CODAGE ET DE TRAITEMENT DE STRUCTURES DE SYMBOLES A L`AIDE D`UNE LIAISON DE TRANSFORMATION DERIVEE D`UN VECTEUR**
[72] GOSMANN, JAN, CA
[72] ELIASMITH, CHRISTOPHER DAVID, CA
[72] BLOUW, PETER, CA
[71] APPLIED BRAIN RESEARCH INC., CA
[22] 2019-08-09
[41] 2020-02-09
[30] US (62716882) 2018-08-09

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[13] A1
[51] **Int.Cl. A01G 18/60 (2018.01) A01G 18/00 (2018.01) A01G 18/20 (2018.01)**
[25] EN
[54] **DEVICE FOR GROWING MUSHROOMS**
[54] **DISPOSITIF POUR LA CULTURE DES CHAMPIGNONS**
[72] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[72] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[71] LEMMEN, JACOBUS ALEXANDER JOZEF, NL
[71] VAN DOREMAELE, MARCUS GERARDUS MARIA, NL
[22] 2019-08-09
[41] 2020-02-10
[30] NL (2021456) 2018-08-10

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[13] A1
[51] **Int.Cl. E03F 5/10 (2006.01) B29C 51/00 (2006.01) E03F 1/00 (2006.01)**
[25] EN
[54] **STORMWATER CHAMBERS THERMOFORMED FROM COEXTRUDED SHEET MATERIAL**
[54] **BASSINS D`EAUX PLUVIALES THERMOFORMES A PARTIR DE MATERIAUX EN FEUILLES COEXTRUDES**
[72] DITULLIO, ROBERT J., US
[72] HERLACHE, RUSSELL L., US
[71] CULTEC, INC., US
[22] 2019-08-09
[41] 2020-02-10
[30] US (16/100,916) 2018-08-10

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 24/04 (2009.01) H04B 17/318 (2015.01) H04W 76/27 (2018.01)**
[25] EN
[54] **CHANNEL SELECTION USING A LISTEN BEFORE TALK PROCEDURE**
[54] **SELECTION DE CANAUX AU MOYEN D`UNE METHODE D`ACCES MULTIPLE AVEC ECOUTE DE PORTEUSE**
[72] JEON, HYOUNGSUK, US
[72] DINAN, ESMAEL, US
[72] BABAEI, ALIREZA, US
[72] ZHOU, HUA, US
[72] XU, KAI, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-08-09
[41] 2020-02-09
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[13] A1
[51] **Int.Cl. G01C 21/20 (2006.01) G01S 15/93 (2020.01)**
[25] EN
[54] **MARINE ELECTRONIC DEVICE FOR GENERATING A ROUTE BASED ON WATER DEPTH**
[54] **DISPOSITIF ELECTRONIQUE MARIN POUR LA GENERATION D`UNE ROUTE EN FONCTION DE LA PROFONDEUR DE L`EAU**
[72] CLARK, JEREMIAH D., US
[72] IVERSON, GREGORY, US
[71] NAVICO HOLDING AS, NO
[22] 2019-08-09
[41] 2020-02-13
[30] US (16/101814) 2018-08-13

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[51] **Int.Cl. H04W 72/08 (2009.01) H04B 17/318 (2015.01)**
[25] EN
[54] **SUPPLEMENTARY UPLINK FOR RANDOM ACCESS PROCEDURES**
[54] **PROCEDURES D`ACCES ALEATOIRE DE LIAISON MONTANTE SUPPLEMENTAIRE**
[72] JEON, HYOUNGSUK, US
[72] DINAN, ESMAEL, US
[72] BABAEI, ALIREZA, US
[72] ZHOU, HUA, US
[72] XU, KAI, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[30] US (62/716,696) 2018-08-09

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[51] **Int.Cl. H04W 24/04 (2009.01) H04W 16/28 (2009.01) H04W 74/08 (2009.01) H04W 80/02 (2009.01)**
[25] EN
[54] **RESOURCE MANAGEMENT FOR BEAM FAILURE RECOVERY PROCEDURES**
[54] **PROCEDURES DE GESTION DES RESSOURCES POUR LA RECUPERATION DE DEFAILLANCE DE FAISCEAU**
[72] CIRIK, ALI, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] JEON, HYOUNGSUK, US
[72] BABAEI, ALIREZA, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[30] US (16/716,817) 2018-08-09

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[51] **Int.Cl. B29C 70/24 (2006.01) B29C 70/70 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] PETHICK, JON, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
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[13] A1
[51] **Int.Cl. C02F 1/32 (2006.01) C02F 1/50 (2006.01)**
[25] EN
[54] **WATER DISINFECTING MODULE, SYSTEMS AND METHODS**
[54] **MODULE, SYSTEMES ET PROCEDES DE STERILISATION DE L`EAU**
[72] VAGASKY, DAVID, US
[71] GEBERIT INTERNATIONAL AG, CH
[22] 2019-08-12
[41] 2020-02-13
[30] US (62/718,238) 2018-08-13
[30] US (62/848,299) 2019-05-15
[30] US (16/528,299) 2019-07-31

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[21] **3,051,733**
[13] A1
[51] **Int.Cl. F16L 47/14 (2006.01) B29C 70/32 (2006.01) F16L 5/00 (2006.01) F16L 23/032 (2006.01) F16L 23/12 (2006.01) F16L 47/28 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] POLLITT, WILL, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
[41] 2020-02-10
[30] EP (18275116.4) 2018-08-10

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[21] **3,051,735**
[13] A1
[51] **Int.Cl. F16L 47/14 (2006.01) B29C 70/30 (2006.01) F16L 5/00 (2006.01) F16L 23/032 (2006.01) F16L 23/12 (2006.01) F16L 47/28 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] GIANNAKOPOULOS, IOANNIS, GB
[72] BERNARD, JAMES WILLIAM, GB
[72] TAYLOR, ALEXANDER D., GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
[41] 2020-02-10
[30] EP (18386024.6) 2018-08-10

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[13] A1
[51] **Int.Cl. F16L 47/14 (2006.01) B29C 70/30 (2006.01) F16L 5/00 (2006.01) F16L 23/032 (2006.01) F16L 23/12 (2006.01) F16L 47/28 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] BERNARD, JAMES, GB
[72] POLLITT, WILL, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
[41] 2020-02-10
[30] EP (18275115.6) 2018-08-10

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[13] A1
[51] **Int.Cl. F16L 47/14 (2006.01) B29C 70/30 (2006.01) F16L 5/00 (2006.01) F16L 23/032 (2006.01) F16L 23/12 (2006.01) F16L 47/28 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] CHASE, IAN THOMAS, GB
[72] POLLITT, WILL, GB
[72] GIANNAKOPOULOS, IOANNIS, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
[41] 2020-02-10
[30] EP (18386023.8) 2018-08-10

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[13] A1
[51] **Int.Cl. B29C 70/16 (2006.01) C08J 5/04 (2006.01) F16L 3/12 (2006.01) F16L 3/16 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] POLLITT, WILL, GB
[72] TURNER-CLEAVER, DANIEL, GB
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
[41] 2020-02-10
[30] EP (18275118.0) 2018-08-10

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[13] A1
[51] **Int.Cl. D04D 7/10 (2006.01)**
[25] EN
[54] **DECORATIVE BOW**
[54] **NOEUD DECORATIF**
[72] MARZIALI, MARCELO M., CA
[71] MULTI PACKAGING SOLUTIONS, INC., US
[22] 2019-08-12
[41] 2020-02-13
[30] US (62/718069) 2018-08-13

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[21] **3,051,750**
[13] A1
[51] **Int.Cl. F01D 5/30 (2006.01) F01D 5/14 (2006.01) F01D 5/32 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **BLADE RETAINER FOR GAS TURBINE ENGINE**
[54] **DISPOSITIF DE RETENUE DE LAME POUR TURBINE A GAZ**
[72] BAILEY, PATRICK, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (16/103419) 2018-08-14

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[21] **3,051,754**
[13] A1
[51] **Int.Cl. F01D 7/00 (2006.01) B64C 11/06 (2006.01) F02K 3/06 (2006.01)**
[25] EN
[54] **VARIABLE PITCH BLADE HOLDER FOR GAS TURBINE ENGINE**
[54] **SUPPORT DE PALE A CALAGE VARIABLE POUR TURBINE A GAZ**
[72] BAILEY, PATRICK, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (16/103407) 2018-08-14

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[13] A1
[51] **Int.Cl. B29C 70/16 (2006.01) C08J 5/04 (2006.01) F16L 5/00 (2006.01) F16L 23/032 (2006.01) F16L 23/12 (2006.01) F16L 47/14 (2006.01) F16L 47/28 (2006.01)**
[25] EN
[54] **COMPOSITE CONNECTORS AND METHODS OF MANUFACTURING THE SAME**
[54] **CONNECTEURS COMPOSITES ET LEURS PROCEDES DE FABRICATION**
[72] GIANNAKOPOULOS, IOANNIS, GB
[72] POLLITT, WILL, GB
[72] BERNARD, JAMES, GB
[72] TAYLOR, ALEXANDER D., GB
[72] URSENBACH, DANIEL O., US
[71] CROMPTON TECHNOLOGY GROUP LIMITED, GB
[22] 2019-08-09
[41] 2020-02-10
[30] EP (18386025.3) 2018-08-10

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[13] A1
[51] **Int.Cl. H05B 47/10 (2020.01) A01G 9/20 (2006.01)**
[25] EN
[54] **PULSED LIGHTING CONTROLLER**
[54] **REGULATEUR DE LUMIERE PULSEE**
[72] FRAME, AARON S., CA
[72] FRAME, ROSS S., CA
[72] BRUGGER, MICHELLE, CA
[71] PLANT EPIGENETICS INC., CA
[22] 2019-08-12
[41] 2020-02-10
[30] US (62717329) 2018-08-10

[21] **3,051,758**
[13] A1
[51] **Int.Cl. A61B 5/042 (2006.01) A61B 5/05 (2006.01)**
[25] EN
[54] **ESTIMATION OF ELECTRODE-TISSUE CONTACT USING OSCILLATOR AT COMMON GROUND OF ELECTROCARDIOGRAM(ECG) SYSTEM**
[54] **ESTIMATION DE CONTACT ELECTRODE-TISSU A L`AIDE D`UN OSCILLATEUR DE MASSE DE REFERENCE D`UN SYSTEME D`ELECTROCARDIOGRAMME (ECG)**
[72] GOVARI,ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-12
[41] 2020-02-13
[30] US (16/102,144) 2018-08-13

[21] **3,051,763**
[13] A1
[51] **Int.Cl. C08G 77/46 (2006.01) C08J 3/20 (2006.01)**
[25] EN
[54] **SIOC-BONDED, LINEAR POLYDIMETHYLSILOXANE-POLYOXYALKYLENE BLOCK COPOLYMERS**
[54] **COPOLYMERES SEQUENCES DE POLYDIMETHYLSILOXANE-POLYOXYALKYLENE LINEAIRES A LIAISON SIOC**
[72] KNOTT, WILFRIED, DE
[72] DUDZIK, HORST, DE
[72] WINDBIEL, DAGMAR, DE
[71] EVONIK DEGUSSA GMBH, DE
[22] 2019-08-09
[41] 2020-02-15
[30] EP (18 189 072.4) 2018-08-15

[21] **3,051,793**
[13] A1
[51] **Int.Cl. B61C 17/00 (2006.01) B61C 17/12 (2006.01)**
[25] EN
[54] **ASSEMBLIES FOR MOUNTING PORTABLE REMOTE CONTROL LOCOMOTIVE(RCL) SYSTEMS TO LOCOMOTIVE HANDRAILING**
[54] **ENSEMBLES POUR MONTER DES SYSTEMES DE LOCOMOTIVES AVEC LOCO-COMMANDE (LLC) PORTABLES SUR UN GARDE-CORPS DE LOCOMOTIVE**
[72] EVANS, RICHARD ALLEN, US
[72] BALENT, MARK ANTHONY, US
[72] ADKINS, MATTHEW, US
[71] CATTRON NORTH AMERICA, INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (62/718,589) 2018-08-14
[30] US (16/525,153) 2019-07-29

[21] **3,051,794**
[13] A1
[51] **Int.Cl. B61L 15/00 (2006.01) B61C 17/00 (2006.01)**
[25] EN
[54] **AUDIBLE ALERT SYSTEMS FOR LOCOMOTIVES**
[54] **SYSTEMES D`ALERTE SONORE POUR LOCOMOTIVES**
[72] EVANS, RICHARD ALLEN, US
[72] BALENT, MARK ANTHONY, US
[72] ADKINS, MATTHEW, US
[71] CATTRON NORTH AMERICA, INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (62/718,620) 2018-08-14
[30] US (16/525,081) 2019-07-29

[21] **3,051,819**
[13] A1
[51] **Int.Cl. G16H 80/00 (2018.01) H03M 7/30 (2006.01) H04L 12/16 (2006.01) A61B 5/0402 (2006.01)**
[25] EN
[54] **PHYSICIAN RELATED SELECTIVE DATA COMPRESSION**
[54] **COMPRESSION SELECTIVE DE DONNEES EFFECTUEE PAR UN MEDECIN**
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-13
[41] 2020-02-13
[30] US (16/102,223) 2018-08-13

[21] **3,051,833**
[13] A1
[51] **Int.Cl. A61B 5/042 (2006.01) A61B 5/053 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **AUTOMATIC ADJUSTMENT OF ELECTRODE SURFACE IMPEDANCES IN MULTI-ELECTRODE CATHETERS**
[54] **AJUSTEMENT AUTOMATIQUE DES IMPEDANCES DE SURFACE D`ELECTRODE DANS DES CATHETERS MULTI-ELECTRODES**
[72] ROTMAN, EYAL, IL
[72] LEVIN, MICHAEL, IL
[72] BONYAK, YEVGENY, IL
[72] VILENSKY, ALEK, IL
[72] BARTAL, MEIR, IL
[72] DULGER, OLEG, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-13
[41] 2020-02-13
[30] US (16/102,187) 2018-08-13

[21] **3,051,847**
[13] A1
[51] **Int.Cl. H04L 12/14 (2006.01) H04W 4/24 (2018.01) H04W 88/16 (2009.01) G06Q 10/04 (2012.01) G06Q 30/02 (2012.01) H04L 12/16 (2006.01) H04L 12/66 (2006.01) H04M 11/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR MANAGING COMMUNICATIONS EVENTS**
[54] **SYSTEME ET PROCEDES DE GESTION D`ACTIVITES DE COMMUNICATION**
[72] WONG, U. KONG, CA
[72] CHEN, CHEN, CA
[71] TEXTNOW, INC., CA
[22] 2019-08-13
[41] 2020-02-13
[30] US (62/718123) 2018-08-13

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[13] A1
[51] **Int.Cl. H04W 4/70 (2018.01) H04W 4/02 (2018.01) H04W 4/30 (2018.01) B60R 25/00 (2013.01) H05K 9/00 (2006.01)**
[25] EN
[54] **REMOTE CONTROL BUTTON ACTUATOR WITH REMOVABLE TRAY**
[54] **ACTIONNEUR DE BOUTON DE TELECOMMANDE AVEC PLATEAU AMOVIBLE**
[72] TIEMAN, CRAIG A., US
[71] BLUE ECLIPSE, LLC, US
[22] 2019-08-12
[41] 2020-02-14
[30] US (62/718,699) 2018-08-14
[30] US (16/536,758) 2019-08-09

[21] **3,051,871**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01)**
[25] EN
[54] **IMPROVED CARBON MOLECULAR SIEVE ADSORBENT**
[54] **ADSORBANT DE TYPE TAMIS MOLECULAIRE CARBONE AMELIORE**
[72] WHITLEY, ROGER DEAN, US
[72] BHADRA, SHUBHRA JYOTI, US
[72] ARSLAN, ERDEM, US
[72] CAO, YONG, CN
[72] GOLDEN, TIMOTHY CHRISTOPHER, FR
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (16/103,115) 2018-08-14

[21] **3,051,872**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01)**
[25] EN
[54] **PORT SEPARATION FOR ROTARY BED PSA**
[54] **SEPARATION DE PORTS POUR LIT ROTATIF A ADSORPTION A PRESSION MODULEE (APM)**
[72] WAGNER, GLENN PAUL, US
[72] LIU, XUE MEI, CA
[72] LIU, JINZHONG, CA
[72] WHITLEY, ROGER DEAN, US
[72] BHADRA, SHUBHRA JYOTI, US
[72] MCKERROW, MICHAEL JAMIE, CA
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (16/102,936) 2018-08-14

[21] **3,051,875**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01)**
[25] EN
[54] **MULTI-BED RAPID CYCLE KINETIC PSA**
[54] **ADSORPTION A PRESSION MODULEE (APM) CINETIQUE A LITS MULTIPLES A CYCLE RAPIDE**
[72] BHADRA, SHUBHRA JYOTI, US
[72] WHITLEY, ROGER DEAN, US
[72] GOLDEN, TIMOTHY CHRISTOPHER, FR
[72] WU, DINGJUN, US
[72] WAGNER, GLENN PAUL, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-08-12
[41] 2020-02-14
[30] US (16/103,569) 2018-08-14

[21] **3,051,889**
[13] A1
[51] **Int.Cl. H02G 3/12 (2006.01) H01R 13/73 (2006.01)**
[25] EN
[54] **POKE-THROUGH ELECTRICAL OUTLET ASSEMBLY WITH CLOSURE**
[54] **ENSEMBLE DE PRISES ELECTRIQUES DE SOL AVEC FERMETURE**
[72] BYRNE, NORMAN R., US
[72] LAUTENBACH, AARON G., US
[72] HALLER, MATTHEW R., US
[72] MITCHELL, MARC A., US
[72] ANDREE, MATTHEW R., US
[72] MAHER, PETER, US
[72] CRAMBLET, TIMOTHY C., US
[71] BYRNE, NORMAN R., US
[22] 2019-08-13
[41] 2020-02-13
[30] US (62/718377) 2018-08-13

[21] **3,051,891**
[13] A1
[51] **Int.Cl. A01B 71/02 (2006.01) A01B 63/32 (2006.01)**
[25] EN
[54] **GANG ANGLE ADJUSTMENT FOR A WORK MACHINE AND METHOD THEREOF**
[54] **REGLAGE D`ANGLE DE TRAINS POUR ENGIN DE CHANTIER ET PROCEDE ASSOCIE**
[72] RUCKLE, JARROD R., US
[72] PETERSON, ANDREW J., US
[72] BECKER, SHAWN J., US
[72] BEECK, MARK D., US
[72] MCEVOY, BRIAN J., US
[71] DEERE & COMPANY, US
[22] 2019-08-13
[41] 2020-02-15
[30] US (62/764,738) 2018-08-15
[30] US (16/509,577) 2019-07-12
[30] US (16/509,559) 2019-07-12

[21] **3,051,908**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/042 (2006.01) A61B 5/05 (2006.01) A61B 18/14 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **DETERMINING A LOCATION AND AN ORIENTATION OF A MAGNETIC FIELD SENSOR**
[54] **DETERMINATION DE LA POSITION ET DE L`ORIENTATION D`UN CAPTEUR DE CHAMP MAGNETIQUE**
[72] GOVARI, ASSAF, IL
[72] GLINER, VADIM, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-13
[41] 2020-02-14
[30] US (16/103,176) 2018-08-14

[21] **3,051,915**
[13] A1
[51] **Int.Cl. F16B 1/00 (2006.01) B62D 21/20 (2006.01) B62D 25/20 (2006.01) B62D 63/08 (2006.01) F16B 7/00 (2006.01) F16S 3/02 (2006.01)**
[25] EN
[54] **INTERLOCKING WELDLESS CONNECTION FOR METAL COMPONENTS**
[54] **RACCORDEMENT SANS SOUDURE DE VERROUILLAGE POUR COMPOSANTS METALLIQUES**
[72] DEMONTE, WALTER PETER, CA
[72] DEMONTE, TIMOTHY PAUL, CA
[72] LEBLANC, SHERI LYN, CA
[71] DEMONTE, WALTER PETER, CA
[71] DEMONTE, TIMOTHY PAUL, CA
[71] LEBLANC, SHERI LYN, CA
[22] 2019-08-13
[41] 2020-02-13
[30] US (16/101,817) 2018-08-13

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[13] A1
[51] **Int.Cl. H04N 21/45 (2011.01) H04N 21/4147 (2011.01) H04N 21/43 (2011.01)**
[25] EN
[54] **USING MANIFEST FILES TO DETERMINE EVENTS IN CONTENT ITEMS**
[54] **UTILISATION DE FICHIERS DE MANIFESTE POUR DETERMINER DES EVENEMENTS DANS DES ELEMENTS DE CONTENU**
[72] BURKE, MIKE, US
[72] PAUK, BRYAN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-08-13
[41] 2020-02-13
[30] US (16/102,075) 2018-08-13

[21] **3,051,925**
[13] A1
[51] **Int.Cl. B64D 45/00 (2006.01) B64C 13/18 (2006.01) G05D 1/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD TO MODIFY AN AIRCRAFT FLIGHT TRAJECTORY**
[54] **SYSTEME ET PROCEDE DE MODIFICATION DE TRAJECTOIRE DE VOL D`AERONEF**
[72] HEIBERG, CHRISTOPHER J., US
[72] YOCHUM, THOMAS E., US
[71] THE BOEING COMPANY, US
[22] 2019-08-13
[41] 2020-02-14
[30] US (16/103454) 2018-08-14

[21] **3,051,937**
[13] A1
[51] **Int.Cl. B28B 7/22 (2006.01) B28B 7/18 (2006.01) E04C 1/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR MAKING A MASONRY BLOCK WITH A ROUGHENED SURFACE**
[54] **APPAREIL DE FABRICATION D`ELEMENTS PREFABRIQUES DE MACONNERIE A SURFACE RUGUEUSE**
[72] KARAU, WILLIAM H., US
[71] PAVESTONE, LLC, US
[22] 2019-08-13
[41] 2020-02-13
[30] US (62/718,172) 2018-08-13

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[13] A1
[51] **Int.Cl. A61M 25/09 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **A GUIDEWIRE WITH AN INTEGRATED FLEXIBLE TUBE**
[54] **FIL-GUIDE AVEC TUBE FLEXIBLE INTEGRE**
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-14
[41] 2020-02-14
[30] US (62/718,722) 2018-08-14
[30] US (16/292,985) 2019-03-05

[21] **3,051,942**
[13] A1
[51] **Int.Cl. B62D 11/02 (2006.01) B62D 11/18 (2006.01)**
[25] EN
[54] **VEHICLE STEERING ASSEMBLY**
[54] **ENSEMBLE DE DIRECTION DE VEHICULE**
[72] CARLSON, JASON, US
[71] GREAT PLAINS MANUFACTURING, INC., US
[22] 2019-08-14
[41] 2020-02-14
[30] US (62/718,801) 2018-08-14

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[13] A1
[51] **Int.Cl. H04L 12/18 (2006.01) H04N 21/60 (2011.01) H04N 19/30 (2014.01)**
[25] EN
[54] **ADAPTIVE MULTICAST STREAMING**
[54] **DIFFUSION EN CONTINU ADAPTATIVE**
[72] GRIGSBY, GUY J., US
[72] VEAZEY, CARL, US
[72] ECKART, IAN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2019-08-14
[41] 2020-02-14
[30] US (16/103,268) 2018-08-14

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[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **IMPROVED HEAT TRANSFER DURING ABLATION PROCEDURES**
[54] **TRANSFERT THERMIQUE AMELIORE PENDANT DES PROCEDURES D`ABLATION**
[72] BEECKLER, CHRISTOPHER THOMAS, US
[72] KEYES, JOSEPH THOMAS, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-14
[41] 2020-02-14
[30] US (16/103,806) 2018-08-14

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[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **LATCHING SYSTEM FOR SECURING TONNEAU COVER**
[54] **SYSTEME DE VERROUILLAGE POUR FIXER UN COUVRE-HABITACLE**
[72] WENG, RONGJIE, CN
[72] WENG, FANGLIANG, CN
[71] NINGBO DIROAN AUTO ACCESSORIES CO., LTD, CN
[22] 2019-08-14
[41] 2020-02-15
[30] CN (201821313019.1) 2018-08-15
[30] CN (201821320300.8) 2018-08-15

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[13] A1
[51] **Int.Cl. G02B 6/46 (2006.01) B65H 49/38 (2006.01) H02G 11/02 (2006.01) H04B 10/27 (2013.01)**
[25] EN
[54] **TELESCOPING CABLE SPOOL**
[54] **BOBINE DE CABLE TELESCOPIQUE**
[72] FONTAINE, MARC, CA
[72] SINGLETON, MICHAEL, CA
[71] BELDEN CANADA INC., CA
[22] 2019-08-13
[41] 2020-02-13
[30] US (62/718,117) 2018-08-13

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[13] A1
[51] **Int.Cl. B29C 64/40 (2017.01)**
[25] EN
[54] **3D PRINTING ASSEMBLY AND METHOD**
[54] **PROCEDE ET ASSEMBLAGE POUR IMPRESSION 3D**
[72] ROBICHAUD, JEAN, CA
[71] LABORATOIRES BODYCAD INC., CA
[22] 2019-08-14
[41] 2020-02-14
[30] US (62/718.669) 2018-08-14

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[54] **SPRAY GUN CLEANING SYSTEM USING AEROSOL CAN**
[54] **SYSTEME DE NETTOYAGE DE PISTOLET DE PULVERISATION UTILISANT UNE BOMBE AEROSOL**
[72] SPECK, JAMES H., CA
[71] PRO FORM PRODUCTS LIMITED, CA
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[25] EN
[54] **SLIDE RAIL ASSEMBLY AND LANDING GEAR ASSEMBLY WITH EMBEDDED HARDPOINT CONNECTORS**
[54] **ENSEMBLE RAIL COULISSANT ET ENSEMBLE DE TRAIN D`ATTERRISSAGE AVEC CONNECTEURS DE POINT D`ATTACHE INTEGRES**
[72] MCCLOUD, TRAVIS SMITH, US
[72] REICHARD, RONNAL P., US
[72] WYLEZINSKI, ANDRZEJ, US
[72] STORZ, SCOTT A., US
[71] WABASH NATIONAL, L.P., US
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[54] **RAZOR PANEL BARRIER**
[54] **BARRIERE POUR PANNEAU DE BARBELE A LAMES**
[72] HOWE, WILLIAM TYLER, US
[72] SAMARA, CARMEN, US
[71] ALLIED TUBE & CONDUIT CORPORATION, US
[22] 2019-08-14
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[54] **UNIVERSAL STEADY REST SYSTEM**
[54] **SYSTEME DE SUPPORT DE TIR UNIVERSEL**
[72] LEBIRE, STEVEN D., US
[71] LEBIRE, STEVEN D., US
[22] 2019-08-14
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[25] EN
[54] **ADJUSTABLE STOPPER ASSEMBLY FOR PRESS BRAKE**
[54] **ENSEMBLE DE BUTEES REGLABLES POUR PRESSE-PLIEUSE**
[72] CLOUTIER, ALEXANDRE, CA
[71] 2446914 ONTARIO INC., CA
[22] 2019-08-14
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[30] CA (3,014,100) 2018-08-14

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[51] **Int.Cl. B63B 35/00 (2020.01) E03B 3/40 (2006.01) G01N 33/18 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE MEASUREMENT OF CONTAMINANTS IN WATER**
[54] **SYSTEMES ET PROCEDES DE MESURE DE CONTAMINANTS PRESENTS DANS L'EAU**
[72] SACKETT, SAMUEL ALBERT, US
[72] RAINONE, MICHEAL D., US
[72] JORDAN, JONATHAN K., US
[72] SHOEMAKE, JAMES M., US
[71] SACKETT, SAMUEL ALBERT, US
[71] RAINONE, MICHEAL D., US
[71] JORDAN, JONATHAN K., US
[71] SHOEMAKE, JAMES M., US
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[54] **FENESTRATION ASSEMBLY AND BUILDING SERVICE CONTROL WITH THE SAME**
[54] **ENSEMBLE FENETRAGE ET COMMANDE DES EQUIPEMENTS D`UN BATIMENT AU MOYEN DE CEUX-CI**
[72] FARNES, BRIAN MICHAEL, US
[72] HENSRUD, THOMAS JAMES, US
[72] LING, GAETANO, US
[72] HILL, CHRISTOPHER STEVEN, US
[72] ROADLEY-BATTIN, NIKOLAJ DAM, US
[71] MARVIN LUMBER AND CEDAR COMPANY, D/B/A/ MARVIN WINDOWS AND DOORS, US
[22] 2019-08-14
[41] 2020-02-14
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[51] **Int.Cl. G06F 9/455 (2018.01) G06F 16/22 (2019.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR IMPROVED ADOPTION OF CLOUD CONTAINER PROFILES**
[54] **SYSTEME ET PROCEDES POUR UNE MEILLEURE ADOPTION DE PROFILS DE CONTENEURS EN NUAGE**
[72] ABBOTT, JACOB, CA
[72] BECK, JAMES, CA
[72] DU, JACQUELYN, CA
[72] WALKER, CHARLES, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-08-15
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[54] **SYSTEMS, METHODS, AND DEVICES FOR PAYMENT RECOVERY PLATFORM**
[54] **SYSTEMES, PROCEDES ET DISPOSITIFS POUR PLATEFORME DE RECUPERATION DE PAIEMENT**
[72] RAW, JAKE TRAUB, CA
[72] NG, DOROTHY GING ZI, CA
[72] DYLOCO, PHOEBE CHLOE SY, CA
[72] MAAMARI, RALPH GEORGE, CA
[72] THABET, RAMI, CA
[72] NAVAS, IZAYANA, CA
[72] LAU, ALEX TAK KWUN, CA
[71] ROYAL BANK OF CANADA, CA
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[41] 2020-02-15
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[25] EN
[54] **MULTI-STAGE HYDRAULIC FRACTURING TOOL AND SYSTEM WITH RELEASABLE ENGAGEMENT**
[54] **OUTIL ET SYSTEME DE FRACTURATION HYDRAULIQUE EN PLUSIEURS ETAPES AVEC ENGAGEMENT LIBERABLE**
[72] WOOD, BLAKE, CA
[72] DABREO, NIGEL, CA
[71] 2054351 ALBERTA LTD., CA
[22] 2019-08-14
[41] 2020-02-14
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[25] EN
[54] **SYSTEM AND METHOD FOR CALL CENTRE MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION DE CENTRE D`APPELS**
[72] LIANG, CAROLYN, CA
[72] MCISAAC, HANNAH, CA
[72] LOR, JANE, CA
[72] HO, SHELDON, CA
[71] ROYAL BANK OF CANADA, CA
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[54] **SYSTEM AND METHOD OF BUSINESS ROLE MINING**
[54] **SYSTEME ET PROCEDE D`EXPLORATION DES ACTIVITES COMMERCIALES**
[72] ANDERSON, SHAWN, CA
[72] WRIGHT, COURTNEY, CA
[72] TRACEY, CLEO, CA
[72] NARANG, PRIYANSH, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-08-15
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[51] **Int.Cl. G06Q 20/00 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **PAYMENT PROCESSING METHOD AND DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE PAIEMENT, ET SUPPORT D`INFORMATIONS LISIBLE PAR ORDINATEUR**
[72] LI, XIN, CN
[72] SONG, LINFENG, CN
[72] LIU, YUNFEI, CN
[72] LI, XIANGJUN, CN
[72] SONG, ZEQI, CN
[72] CHENG, CHAO, CN
[71] 10353744 CANADA LTD., CA
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[54] **EDUCATIONAL SYSTEM AND MEHTOD**
[54] **SYSTEME ET PROCEDE EDUCATIFS**
[72] BAKER, MUCHAFARA PAMELA ZARANYIKA, CA
[71] BAKER, MUCHAFARA PAMELA ZARANYIKA, CA
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[51] **Int.Cl. G01M 17/00 (2006.01) G07C 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REMOTE DIAGNOSTICS AND MONITORING OF HEAVY EQUIPMENT**
[54] **PROCEDE ET SYSTEME DE TELEDIAGNOSTIC D`EQUIPEMENT LOURD**
[72] GAUDREAULT, DANIEL, US
[71] GAUDREAULT, DANIEL, US
[22] 2019-08-14
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[25] EN
[54] **PIPELINE REINSTATEMENT TOOL**
[54] **OUTIL DE RETABLISSEMENT DE PIPELINE**
[72] GESTY, MICHAEL, US
[71] HURRICANE REINSTATEMENT SOLUTIONS, LLC, US
[22] 2019-10-30
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[30] US (62/754,403) 2018-11-01

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[25] EN
[54] **OFFSET-ALIGNMENT PIVOTABLE COUPLER FITTINGS FOR SEALABLY INTERCONNECTING HIGH-PRESSURE LINES**
[54] **RACCORDS DE COUPLEUR PIVOTANTS A ALIGNEMENT DECALE POUR L'INTERCONNEXION ETANCHE DE TUYAUTERIE DE HAUTE PRESSION**
[72] STROUD, GARY ARTHUR, CA
[71] STROUD, GARY ARTHUR, CA
[22] 2019-11-12
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[25] EN
[54] **SYSTEMS AND METHODS FOR ALLOCATING ORDERS**
[54] **SYSTEMES ET METHODES D'ATTRIBUTION DES COMMANDES**
[72] MIAO, YINGYING, CN
[72] WANG, ZHILONG, CN
[72] SHI, SHAOHUI, CN
[71] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
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[54] **ACCESS CONTROL SYSTEM WITH DYNAMIC PERFORMANCE TUNING**
[54] **SYSTEME DE COMMANDE D'ACCES A REGLAGE DYNAMIQUE DES PERFORMANCES**
[72] LANG, MICHAEL, US
[72] PURDUE, ADAM, US
[72] KUENZI, ADAM, US
[71] CARRIER CORPORATION, US
[85] 2019-08-27
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[51] **Int.Cl. A23J 3/30 (2006.01) A23L 33/18 (2016.01) A23L 33/185 (2016.01) A23J 1/14 (2006.01) A23J 3/14 (2006.01) A23J 3/34 (2006.01)**
[25] EN
[54] **PREPARATION OF ACID SOLUBLE PULSE PROTEIN HYDROLYZATES WITH LITTLE OR NO ASTRINGENCY AND PULSE PROTEIN HYDROLYZATES OF IMPROVED AMINO ACID SCORE**
[54] **PREPARATION D'HYDROLYSATS DE PROTEINES DE LEGUMINEUSE A GRAINES AYANT PEU OU PAS D'ASTRINGENCE ET D'HYDROLYSATS DE PROTEINES DE LEGUMINEUSES A GRAINES AYANT UN INDICE D'ACIDES AMINES AMELIORE**
[72] SCHWEIZER, MARTIN, CA
[72] GOSNELL, BRANDY, CA
[72] WILLARDSEN, RANDY, US
[72] MEDINA, SARAH, CA
[72] SEGALL, KEVIN, CA
[71] BURCON NUTRASCIENCE (MB) CORP., CA
[85] 2019-08-28
[86] 2018-03-05 (PCT/CA2018/050255)
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[51] **Int.Cl. B21D 11/06 (2006.01) A62C 3/06 (2006.01) B21D 31/04 (2006.01) B60K 15/03 (2006.01)**
[25] EN
[54] **DEVICE FOR THE PRODUCTION OF APPROPRIATELY CONFIGURED ROLL ASSEMBLIES OF EXPANDED ALUMINIUM MESH ADAPTED TO EFFICIENTLY FILL FUEL CONTAINERS**
[54] **DISPOSITIF DESTINE A LA PRODUCTION D'ENSEMBLES ROULEAUX CONCUS DE MANIERE APPROPRIEE D'UN MAILLAGE D'ALUMINIUM EXPANSE ADAPTE AU REMPLISSAGE EFFICACE DES RESERVOIRS DE CARBURANT**
[72] LEKKAKIS, PAVLOS (DECEASED), GR
[71] LEKKAKIS, PETROS, GR
[85] 2019-10-04
[86] 2017-04-07 (PCT/GR2017/000018)
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[51] **Int.Cl. F28F 27/00 (2006.01)**
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[54] **FEED FORWARD FLOW CONTROL OF HEAT TRANSFER SYSTEM**
[54] **COMMANDE DE FLUX A ACTION DIRECTE DU SYSTEME DE TRANSFERT DE CHALEUR**
[72] TERZIC, ZELJKO, CA
[72] HUM, REDMOND, CA
[72] ACOSTA GONZALEZ, MARCELO JAVIER, CA
[72] PATEL, RITESH, CA
[71] S. A. ARMSTRONG LIMITED, CA
[85] 2019-11-20
[86] 2019-10-04 (PCT/CA2019/051428)
[87] (3062100)
[30] US (62/741,943) 2018-10-05
[30] CA (PCT/CA2018/051555) 2018-12-05
[30] US (62/781,456) 2018-12-18

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[25] EN
[54] **CONVERSION METHOD, APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE DE CONVERSION, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] LIU, SHAOLI, CN
[72] LIANG, JUN, CN
[72] GUO, QI, CN
[71] CAMBRICON TECHNOLOGIES CORPORATION LIMITED, CN
[85] 2019-11-28
[86] 2019-03-29 (PCT/CN2019/080510)
[87] (3062949)
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[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **STRATEGIC MAPPING OF UPLINK RESOURCES**
[54] **MAPPAGE STRATEGIQUE DE RESSOURCES DE LIAISON MONTANTE**
[72] HUANG, YI, US
[72] WANG, RENQIU, US
[72] XU, HAO, US
[72] PARK, SEYONG, US
[71] QUALCOMM INCORPORATED, US
[85] 2019-11-08
[86] 2018-05-10 (PCT/US2018/032148)
[87] (WO2018/231390)
[30] US (62/521,347) 2017-06-16
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[51] **Int.Cl. A61K 31/713 (2006.01) A61K 35/17 (2015.01) A61K 47/68 (2017.01) A61P 37/02 (2006.01) C07K 14/47 (2006.01) C07K 16/28 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **ANTIBODY CHEMICALLY INDUCED DIMERIZER (ABCID) AS MOLECULAR SWITCHES FOR REGULATING CELLULAR THERAPIES**
[54] **DIMERISEUR INDUIT CHIMIQUEMENT PAR UN ANTICORPS (ABCID) A TITRE DE COMMUTATEURS MOLECULAIRES POUR LA REGULATION DES THERAPIES CELLULAIRES**
[72] WELLS, JAMES A., US
[72] HILL, ZACHARY B., US
[72] MARTINKO, ALEXANDER J., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-11-14
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[13] A1
[51] **Int.Cl. C12N 1/04 (2006.01) A01N 63/20 (2020.01) A01N 25/02 (2006.01) A01P 21/00 (2006.01) C12N 1/14 (2006.01) C12N 1/20 (2006.01) A01H 17/00 (2006.01)**
[25] EN
[54] **STABLE INOCULANT COMPOSITIONS COMPRISING METHYLATED PLANT OILS**
[54] **COMPOSITIONS D'INOCULANTS STABLES COMPRENANT DES HUILES VEGETALES METHYLEES**
[72] CLARY, DAN, US
[72] DOUGHAN, BEN, US
[72] LAU, MING WOEI, US
[72] ANJEM, ADIL, US
[72] MORGENSTERN, DAVID A., US
[71] NOVOZYMES BIOAG A/S, DK
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2019-11-27
[86] 2018-05-24 (PCT/US2018/034412)
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[30] US (62/511,420) 2017-05-26

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[13] A1
[51] **Int.Cl. B60S 3/00 (2006.01) B60S 3/04 (2006.01)**
[25] EN
[54] **A VEHICLE RINSING ASSEMBLY FOR EMITTING AIR AND WATER**
[54] **ENSEMBLE DE RINCAGE DE VEHICULE PERMETTANT D'EMETTRE DE L'AIR ET DE L'EAU**
[72] BELANGER, MICHAEL, US
[72] TURNER, BARRY S., US
[72] KOTRYCH, JERRY A., US
[71] BELANGER, INC., US
[85] 2019-11-01
[86] 2018-05-08 (PCT/US2018/031547)
[87] (WO2018/208747)
[30] US (15/589,499) 2017-05-08

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[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SUSTAINABILITY AND SOCIAL INTERACTION ANALYSIS IN BUILDING INFORMATION MODELING**
[54] **SYSTEMES ET PROCEDES D'ANALYSE DE DURABILITE ET D'INTERACTION SOCIALE DANS LA MODELISATION D'INFORMATIONS DE CONSTRUCTION**
[72] EL-DIRABY, TAMAR, CA
[72] PAPANGELIS, EMMANOUIL, US
[72] KRIJNEN, THOMAS, NL
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2019-12-20
[86] 2018-06-26 (PCT/CA2018/050779)
[87] (WO2019/000083)
[30] US (62/525,388) 2017-06-27

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[51] **Int.Cl. A23L 3/32 (2006.01) A23L 3/44 (2006.01)**
[25] EN
[54] **FREEZING METHOD, AND METHOD AND DEVICE FOR DRYING FOOD, IN PARTICULAR FRUITS AND VEGETABLES**
[54] **PROCEDE DE CONGELATION ET PROCEDE ET DISPOSITIF DE SECHAGE DE PRODUITS ALIMENTAIRES, EN PARTICULIER DE FRUITS ET LEGUMES**
[72] OSTERMEIER, ROBIN, DE
[72] VOELKEL, VANESSA, DE
[72] TOEPFL, STEFAN, DE
[71] ELEA VERTRIEBS- UND VERMARKTUNGSGESELLSCHAFT MBH, DE
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[86] 2018-06-12 (PCT/EP2018/065447)
[87] (WO2018/234090)
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[13] A1
[51] **Int.Cl. E04B 1/41 (2006.01) E04C 5/00 (2006.01) E04G 11/00 (2006.01)**
[25] EN
[54] **STRUCTURE HAVING EDGE REINFORCEMENT ON PROFILED RAIL**
[54] **CORPS DE CONSTRUCTION A RENFORT DE BORD SUR RAIL PROFILE**
[72] GSTACH, PETER, AT
[72] KUNZ, JAKOB, CH
[72] NIGG, ANDRIN, LI
[72] WINKLER, BERNHARD, AT
[72] GROSSER, PHILIPP, CH
[72] CASUCCI, DANIELE, CH
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2019-11-29
[86] 2018-07-25 (PCT/EP2018/070160)
[87] (WO2019/025254)
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[51] **Int.Cl. F01K 3/14 (2006.01) F01K 3/18 (2006.01) F28D 20/00 (2006.01)**
[25] EN
[54] **ENERGY ACCUMULATOR FOR STORING ELECTRICAL ENERGY AS HEAT AND METHOD FOR THIS PURPOSE**
[54] **ACCUMULATEUR D'ENERGIE POUR STOCKER DE L'ENERGIE ELECTRIQUE SOUS FORME DE CHALEUR ET PROCEDE CORRESPONDANT**
[72] ZWINKELS, ANDREW, DE
[71] LUMENION GMBH, DE
[85] 2020-01-21
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[30] EP (17184877.3) 2017-08-04

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[51] **Int.Cl. A23D 9/00 (2006.01) A21D 2/16 (2006.01) A21D 13/00 (2017.01) A23D 9/04 (2006.01) A23G 3/00 (2006.01)**
[25] EN
[54] **NON-HYDROGENATED FAT COMPOSITION, USE AND PROCESS**
[54] **COMPOSITION DE GRAISSE NON HYDROGENEE, UTILISATION ET PROCEDE**
[72] MA, JUN, NL
[72] DE VRIND, VINCENT HUBERTUS CORNELIS, NL
[72] NOPPERS, JOSIEN MATHILDE ELISABETH, NL
[72] PETRUT, RAUL-FLAVIU, NL
[72] FRANX, JOHAN, NL
[72] EKKES, HANS, NL
[71] BUNGE LODERS CROKLAAN B.V., NL
[85] 2020-01-21
[86] 2018-07-25 (PCT/EP2018/070226)
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[51] **Int.Cl. A61K 31/65 (2006.01) A61K 9/00 (2006.01) A61P 17/10 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **TREATMENT OF NON-INFLAMMATORY LESIONS**
[54] **TRAITEMENT DE LESIONS NON INFLAMMATOIRES**
[72] BERK, DAVID, US
[72] KAOUKHOV, ALEXANDRE, US
[72] SNIUKIENE, VILMA, US
[72] SCHMITZ, CARSTEN, US
[71] ALMIRALL, LLC, US
[85] 2020-01-21
[86] 2018-07-20 (PCT/IB2018/000938)
[87] (WO2019/016609)
[30] US (62/535,572) 2017-07-21

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[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **DETECTING SERVICE PROVIDER STATE BASED ON RECEIVED AND HISTORIC TELEMATICS DATA AND SERVICE PROVIDER CHARACTERISTICS**
[54] **DETECTION D'ETAT DE FOURNISSEUR DE SERVICES SUR LA BASE DE DONNEES TELEMATIQUES HISTORIQUES ET RECUES ET DE CARACTERISTIQUES DE FOURNISSEUR DE SERVICES**
[72] O'HERLIHY, MICHAEL, US
[72] CHOKSHI, KARNA, US
[72] DOYLE, MATTHEW JOSEPH, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-01-21
[86] 2018-07-09 (PCT/IB2018/055042)
[87] (WO2019/021090)
[30] US (15/660,947) 2017-07-26

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[51] **Int.Cl. B65B 43/12 (2006.01) B31B 50/25 (2017.01) B31B 50/54 (2017.01) B31B 50/62 (2017.01) B31F 1/08 (2006.01) B65B 5/02 (2006.01) B65B 11/00 (2006.01) B65B 35/24 (2006.01) B65B 35/44 (2006.01) B65B 43/30 (2006.01) B65B 49/10 (2006.01) B65B 49/14 (2006.01)**
[25] EN
[54] **PLANT FOR AUTOMATED PACKAGING OF ITEMS IN CARDBOARD BOXES**
[54] **INSTALLATION POUR L'EMBALLAGE AUTOMATISE D'ARTICLES DANS DES BOITES EN CARTON**
[72] BENIN, MARCO, IT
[71] PANOTEC S.R.L., IT
[85] 2020-01-21
[86] 2018-07-31 (PCT/IB2018/055706)
[87] (WO2019/025955)
[30] IT (102017000090029) 2017-08-03

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[13] A1
[51] **Int.Cl. B23B 27/14 (2006.01)**
[25] EN
[54] **NEGATIVE FINISH TURNING INSERT WITH CHIP FORMING ARRANGEMENT**
[54] **INSERT TOURNANT DE FINITION NEGATIVE DOTE D'UN AGENCEMENT DE FORMATION DE COPEAUX**
[72] BAR HEN, MEIR, IL
[71] ISCAR LTD., IL
[85] 2020-01-21
[86] 2018-07-04 (PCT/IL2018/050723)
[87] (WO2019/026058)
[30] US (15/666,659) 2017-08-02

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[13] A1
[51] **Int.Cl. B23B 31/117 (2006.01) B23B 31/20 (2006.01)**
[25] EN
[54] **TOOL HOLDER HAVING CAPTIVE NON-RELEASABLE MEMBERS, METHOD OF MANUFACTURE AND ASSEMBLY OF SAME AND CUTTING TOOL**
[54] **SYSTEME PORTE-OUTIL AYANT DES ELEMENTS CAPTIFS ET NON LIBERABLES, PROCEDE DE FABRICATION ET D'ASSEMBLAGE DE CELUI-CI ET OUTIL DE COUPE**
[72] SHAHEEN, PHILIP, IL
[72] FISHER, RAZ, IL
[71] ISCAR LTD., IL
[85] 2020-01-21
[86] 2018-07-11 (PCT/IL2018/050758)
[87] (WO2019/026060)
[30] US (15/664,537) 2017-07-31

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[25] EN
[54] **CO-ELECTROLYSIS CELL DESIGN FOR EFFICIENT CO2 REDUCTION FROM GAS PHASE AT LOW TEMPERATURE**
[54] **CONCEPTION DE CELLULE DE CO-ELECTROLYSE PERMETTANT UNE REDUCTION EFFICACE DU CO2 DANS UNE PHASE GAZEUSE A BASSE TEMPERATURE**
[72] PATRU, ALEXANDRA, CH
[72] SCHMIDT, THOMAS JUSTUS, CH
[72] BINNINGER, TOBIAS, CH
[72] PRIBYL, BERNHARD, CH
[71] PAUL SCHERRER INSTITUT, CH
[85] 2020-01-22
[86] 2018-05-24 (PCT/EP2018/063598)
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[51] **Int.Cl. C07B 39/00 (2006.01) C07B 59/00 (2006.01)**
[25] EN
[54] **PROCESS FOR DEOXYFLUORINATION OF PHENOLS**
[54] **PROCEDE DE DESOXYFLUORATION DE PHENOLS**
[72] RITTER, TOBIAS, DE
[72] NEUMANN, CONSTANZE, US
[72] BEYZAVI, MOHAMMAD HASSAN, US
[72] STREBL-BANTILLO, MARTIN GEORG, US
[72] MANDAL, DEBASHIS, US
[71] STUDIENGESELLSCHAFT KOHLE MBH, DE
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2020-01-22
[86] 2018-07-10 (PCT/EP2018/068608)
[87] (WO2019/025137)
[30] EP (17184127.3) 2017-07-31

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[13] A1
[51] **Int.Cl. G02C 7/02 (2006.01) A61F 2/16 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **AN OPHTHALMIC MULTIFOCAL DIFFRACTIVE LENS**
[54] **LENTILLE DIFFRACTIVE MULTIFOCALE OPHTALMIQUE**
[72] HOLMSTROM, SVEN THAGE SIGVARD, TR
[72] CIM, ISA, TR
[72] UREY, HAKAN, TR
[71] VSY BIYOTEKNOLOJI VE ILAC SAN. A.S., TR
[85] 2020-01-22
[86] 2018-07-17 (PCT/EP2018/069391)
[87] (WO2019/020435)
[30] EP (17183354.4) 2017-07-26

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[13] A1
[51] **Int.Cl. C07C 67/54 (2006.01) C07C 67/08 (2006.01) C07C 69/54 (2006.01) C12P 7/42 (2006.01)**
[25] EN
[54] **PROCESS FOR CONTINUOUSLY PREPARING N-BUTYL ACRYLATE OR ISOBUTYL ACRYLATE**
[54] **PROCEDE DESTINE A LA PRODUCTION CONTINUE D'UN ESTER DE N-BUTYLE D'ACIDE ACRYLIQUE OU D'UN ESTER D'ISOBUTYLE D'ACIDE ACRYLIQUE**
[72] LANG, ORTMUND, DE
[72] BLASCHKE, TIM, BE
[72] RAITH, CHRISTIAN, DE
[72] SCHAFRANKA, MICHAEL, DE
[72] HECHLER, CLAUS, DE
[71] BASF SE, DE
[85] 2020-01-22
[86] 2018-08-13 (PCT/EP2018/071863)
[87] (WO2019/034577)
[30] EP (17186691.6) 2017-08-17

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[51] **Int.Cl. C10L 10/06 (2006.01) B01F 17/00 (2006.01) C10L 1/16 (2006.01) C10L 1/182 (2006.01) C10L 1/188 (2006.01) C10L 1/196 (2006.01) C10L 1/197 (2006.01) C10L 1/198 (2006.01) C10L 1/224 (2006.01) C10M 173/00 (2006.01)**
[25] EN
[54] **DISPERSIONS OF POLYMERIC OIL ADDITIVES**
[54] **DISPERSIONS D'ADDITIFS POLYMERES POUR HUILES**
[72] FEUSTEL, MICHAEL, DE
[72] KRULL, MATTHIAS, DE
[72] GONCHAROV, VICTOR, RU
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2020-01-22
[86] 2018-08-13 (PCT/EP2018/071865)
[87] (WO2019/057396)
[30] EP (17192120.8) 2017-09-20

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[51] **Int.Cl. G16H 30/20 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR RULE-BASED DISPLAY OF SETS OF IMAGES USING IMAGE CONTENT DERIVED PARAMETERS**
[54] **PROCEDE ET SYSTEME D'AFFICHAGE BASE SUR DES REGLES D'ENSEMBLES D'IMAGES A L'AIDE DE PARAMETRES DERIVES DE CONTENU D'IMAGE**
[72] WESTERHOFF, MALTE, DE
[72] STALLING, DETELV, DE
[71] PME IP PTY. LTD, AU
[85] 2020-01-22
[86] 2018-09-24 (PCT/EP2018/075744)
[87] (WO2019/057955)
[30] US (62/562,460) 2017-09-24
[30] US (62/576,587) 2017-10-24
[30] US (62/712,912) 2018-07-31
[30] US (16/052,563) 2018-08-01

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[13] A1
[51] **Int.Cl. G01N 33/542 (2006.01) G01N 33/566 (2006.01)**
[25] FR
[54] **METHOD FOR MEASURING MODULATION IN THE ACTIVITY OF A G PROTEIN-COUPLED RECEPTOR**
[54] **METHODE POUR MESURER LA MODULATION DE L'ACTIVATION D'UN RECEPTEUR COUPLE A UNE PROTEINE G**
[72] ROUX, THOMAS FABIEN MICHEL, FR
[72] DA SILVA, MELANIE, FR
[72] DUPUIS, ELODIE JULIE, FR
[72] TRINQUET, ERIC JACQUES CHRISTIAN, FR
[72] SOULE, JULIEN JEAN-MARIUS, FR
[72] RONDARD, PHILIPPE, FR
[72] PIN, JEAN-PHILIPPE R., FR
[71] CISBIO BIOASSAYS, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2020-01-22
[86] 2018-07-27 (PCT/FR2018/051948)
[87] (WO2019/020964)
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[51] **Int.Cl. H01R 12/00 (2006.01) H01R 13/00 (2006.01) H01R 24/00 (2011.01)**
[25] EN
[54] **USB-C PLUG WITH SURFACE MOUNT CONTACT POINTS**
[54] **PRISE USB-C AVEC POINTS DE CONTACT DE MONTAGE EN SURFACE**
[72] EHRENSVARD, JAKOB, SE
[71] YUBICO AB, SE
[85] 2020-01-21
[86] 2018-08-31 (PCT/US2018/049246)
[87] (WO2019/046805)
[30] US (62/552,763) 2017-08-31

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[51] **Int.Cl. C23C 28/02 (2006.01) C23C 2/06 (2006.01) C23C 2/12 (2006.01) C23C 14/02 (2006.01) C23C 14/14 (2006.01) C23C 14/16 (2006.01) C23C 14/22 (2006.01) C23C 14/30 (2006.01) C23C 14/56 (2006.01) C23C 30/00 (2006.01)**
[25] EN
[54] **A COATED METALLIC SUBSTRATE**
[54] **SUBSTRAT METALLIQUE REVETU**
[72] CHALEIX, DANIEL, FR
[72] ALLELY, CHRISTIAN, FR
[72] SILBERBERG, ERIC, BE
[72] PACE, SERGIO, BE
[72] GAOUYAT, LUCIE, BE
[71] ARCELORMITTAL, LU
[85] 2020-01-22
[86] 2018-07-20 (PCT/IB2018/055407)
[87] (WO2019/043472)
[30] IB (PCT/IB2017/001045) 2017-08-30

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[13] A1
[51] **Int.Cl. G01C 21/34 (2006.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **DYNAMICALLY DETERMINING ORIGIN AND DESTINATION LOCATIONS FOR A NETWORK SYSTEM**
[54] **DETERMINATION DYNAMIQUE D'EMPLACEMENTS D'ORIGINE ET DE DESTINATION POUR UN SYSTEME DE RESEAU**
[72] CHEN, QI, US
[72] LAWLER, CASEY, US
[72] SHI, LINFENG, US
[72] XU, QING, US
[72] YU, MIAO, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-01-22
[86] 2018-07-20 (PCT/IB2018/055424)
[87] (WO2019/021134)
[30] US (15/662,407) 2017-07-28

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[51] **Int.Cl. A01C 7/06 (2006.01) A01C 7/04 (2006.01) A01C 7/10 (2006.01) A01C 7/18 (2006.01) A01C 7/20 (2006.01) A01C 21/00 (2006.01) A01C 23/00 (2006.01)**
[25] EN
[54] **TARGETED FLUID/SOLID DISPENSING BASED ON SENSED SEED DATA OR SENSED PLANT DATA**
[54] **DISTRIBUTION CIBLEE DE FLUIDE/SOLIDE FONDEE SUR DES DONNEES DE GRAINES DETECTEES OU DES DONNEES DE PLANTES DETECTEES**
[72] STOLLER, JASON, US
[72] SCHLIPF, BEN L., US
[72] MCMENAMY, JUSTIN, US
[71] PRECISION PLANTING LLC, US
[85] 2020-01-21
[86] 2018-09-05 (PCT/US2018/049540)
[87] (WO2019/050944)
[30] US (62/554,448) 2017-09-05
[30] US (62/567,715) 2017-10-03

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[13] A1
[51] **Int.Cl. A61K 45/00 (2006.01) A61P 3/04 (2006.01)**
[25] EN
[54] **PROSTACYCLIN RECEPTOR AGONISTS FOR REDUCTION OF BODY FAT**
[54] **AGONISTES DU RECEPTEUR DE LA PROSTACYCLINE POUR LA REDUCTION DE LA GRAISSE CORPORELLE**
[72] LI, YONG-XIN, US
[72] POLOSO, NEIL J., US
[72] DONELLO, JOHN E., US
[72] LIU, QIANYONG, US
[71] ALLERGAN, INC., US
[85] 2020-01-21
[86] 2018-07-27 (PCT/US2018/044134)
[87] (WO2019/023605)
[30] US (62/537,853) 2017-07-27

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[13] A1
[51] **Int.Cl. D06F 37/22 (2006.01) D06F 37/40 (2006.01)**
[25] EN
[54] **WASHING MACHINE**
[54] **LAVE-LINGE**
[72] LEE, KANG HYUN, KR
[72] JEOUNG, JEOUNG KYO, KR
[72] KIM, HOOI JOONG, KR
[72] SEO, EUNG RYEOL, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2020-01-22
[86] 2018-04-26 (PCT/KR2018/004840)
[87] (WO2019/035532)
[30] KR (10-2017-0105020) 2017-08-18

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[13] A1
[51] **Int.Cl. F04B 9/117 (2006.01) F04B 15/02 (2006.01)**
[25] EN
[54] **PUMP SYSTEM FOR HANDLING A SLURRY MEDIUM**
[54] **SYSTEME DE POMPAGE POUR TRAITER UN MILIEU DE SUSPENSION**
[72] KEIJERS, RONALD GODEFRIDUS ANNA, NL
[72] VAN RIJSWICK, RUDOLFUS JOHANNES ADELEIDA, NL
[71] WEIR MINERALS NETHERLANDS B.V., NL
[85] 2020-01-22
[86] 2018-07-11 (PCT/NL2018/050464)
[87] (WO2019/022593)
[30] NL (2019357) 2017-07-27

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[13] A1
[51] **Int.Cl. A61K 31/417 (2006.01) A61K 39/00 (2006.01) A61K 45/00 (2006.01) A61P 9/10 (2006.01) A61P 25/28 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **TREATING PATHOLOGICAL CONDITIONS BY DIRECT AND INDIRECT TARGETING OF SIRPA - CD47 INTERACTION**
[54] **TRAITEMENT D'ETATS PATHOLOGIQUES PAR CIBLAGE DIRECT ET INDIRECT DE L'INTERACTION SIRPA - CD47**
[72] RAABEN, MATTHIJS, NL
[72] SCHEEREN, FERENC ALEXANDER, NL
[72] LOGTENBERG, MEIKE EMMA WILLEMIJN, NL
[72] BRUMMELKAMP, THIJN REINOUT, NL
[72] SCHUMACHER, ANTONIUS NICOLAAS MARIA, NL
[72] LEUSEN, JEANNETTE HENRICA WILHELMINA, NL
[71] STICHTING HET NEDERLANDS KANKER INSTITUUT-ANTONI VAN LEEUWENHOEK ZIEKEUIS, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[85] 2020-01-22
[86] 2018-07-24 (PCT/NL2018/050515)
[87] (WO2019/022600)
[30] NL (2019333) 2017-07-24
[30] NL (2020938) 2018-05-15

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[51] **Int.Cl. G01N 1/00 (2006.01) B01D 65/02 (2006.01) G01F 1/00 (2006.01) G01N 21/03 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **PROCESSOR FILTER ARRANGEMENT THAT INCLUDES METHOD AND APPARATUS TO REMOVE WASTE FLUID THROUGH A FILTER**
[54] **AGENCEMENT DE FILTRE DE PROCESSEUR QUI COMPREND UN PROCEDE ET UN APPAREIL POUR ELIMINER UN FLUIDE RESIDUAIRE A TRAVERS UN FILTRE**
[72] INGBER, GAL, IL
[71] POCARED DIAGNOSTICS LTD., IL
[85] 2020-01-22
[86] 2018-08-02 (PCT/IB2018/055827)
[87] (WO2019/026026)
[30] US (62/540,357) 2017-08-02
[30] US (62/547,359) 2017-08-18

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[13] A1
[51] **Int.Cl. G21C 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR ORGANIZING THE NATURAL CIRCULATION OF A LIQUID METAL COOLANT OF A FAST NEUTRON NUCLEAR CHAIN REACTOR**
[54] **PROCEDE D'INSTAURATION DE CIRCULATION NATURELLE DE CALOPORTEUR EN METAL LIQUIDE DE REACTEUR NUCLEAIRE A NEUTRONS RAPIDES**
[72] AFREMOV, DMITRIJ ALEKSANDROVICH, RU
[72] SAFRONOV, DENIS VIKTOROVICH, RU
[72] HIZHNYAK, EVGENIYA SERGEEVNA, RU
[72] NIKEL, KIRILL ALBERTOVICH, RU
[72] ROMANOVA, NATALIA VIKTOROVNA, RU
[71] STATE ATOMIC ENERGY CORPORATION "ROSATOM" ON BEHALF OF THE RUSSIAN FEDATION, RU
[85] 2020-01-22
[86] 2018-07-18 (PCT/RU2018/000478)
[87] (WO2019/022640)
[30] RU (2017126521) 2017-07-24

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[51] **Int.Cl. F28D 15/02 (2006.01) F25B 5/02 (2006.01) F25B 41/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HEAT EXCHANGE**
[54] **SYSTEMES ET PROCEDES POUR L'ECHANGE DE CHALEUR**
[72] EADELSON, NAHSHON, IL
[71] ZUTA-CORE LTD., IL
[85] 2020-01-22
[86] 2018-07-21 (PCT/IL2018/050809)
[87] (WO2019/021273)
[30] US (62/535,912) 2017-07-23

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[13] A1
[51] **Int.Cl. G01N 21/00 (2006.01) A01K 43/04 (2006.01) G01J 3/28 (2006.01) G01N 21/25 (2006.01) G01N 21/31 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR NON-INVASIVELY DETERMINING EGG PROPERTIES**
[54] **SYSTEME ET PROCEDE DE DETERMINATION NON INVASIVE DES PROPRIETES D'UN OEUF**
[72] GABBAI, ERAN, IL
[71] TERAHERTZ GROUP LTD., IL
[85] 2020-01-22
[86] 2018-07-23 (PCT/IL2018/050814)
[87] (WO2019/021275)
[30] US (62/535,917) 2017-07-23

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[13] A1
[51] **Int.Cl. C07C 5/48 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **ETHANE OXIDATIVE DEHYDROGENATION**
[54] **DESHYDROGENATION OXYDANTE D'ETHANE**
[72] VAN ROSSUM, GUUS, NL
[72] SCHOONEBEEK, RONALD JAN, NL
[72] CALVO, LAURA MARIEL, NL
[72] ESPOSITO CASSIBBA, IVANA DANIELA, NL
[72] MITKIDIS, GEORGIOS, NL
[72] PAJAND, PEJMAN, NL
[72] SAN ROMAN MACIA, MARIA, QA
[72] KLUSENER, PETER ANTON AUGUST, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2020-01-23
[86] 2018-08-02 (PCT/EP2018/070939)
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[30] EP (17386027.1) 2017-08-16

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[51] **Int.Cl. B65D 83/00 (2006.01) B65D 51/24 (2006.01) B65D 51/28 (2006.01) B65D 55/02 (2006.01)**
[25] EN
[54] **APPLICATION SYSTEM**
[54] **SYSTEME D'APPLICATION**
[72] BUBLEWITZ, ALEXANDER, DE
[72] REBER, JENS-PETER, DE
[71] 3LMED GMBH, DE
[85] 2020-01-23
[86] 2018-08-02 (PCT/EP2018/070990)
[87] (WO2019/025539)
[30] DE (10 2017 117 557.1) 2017-08-02

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[13] A1
[51] **Int.Cl. H02K 21/14 (2006.01) H02K 7/116 (2006.01) H02K 7/18 (2006.01) H02K 49/10 (2006.01)**
[25] EN
[54] **GENERATOR FOR A WIND TURBINE AND WIND TURBINE HAVING SAME**
[54] **GENERATEUR POUR UNE EOLIENNE ET EOLIENNE COMPRENANT CELUI-CI**
[72] BRENNER, ALBRECHT, DE
[72] ROER, JOCHEN, DE
[72] ZIEMS, JAN CARSTEN, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-01-23
[86] 2018-08-08 (PCT/EP2018/071543)
[87] (WO2019/030300)
[30] DE (10 2017 118 010.9) 2017-08-08

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[51] **Int.Cl. H02G 3/06 (2006.01)**
[25] EN
[54] **CABLE CLAMPING APPARATUS**
[54] **APPAREIL DE SERRAGE DE CABLE**
[72] WEATHERBURN, MARK, GB
[72] FRIZZELL, LEE, GB
[71] CMP PRODUCTS LIMITED, GB
[85] 2020-01-23
[86] 2018-08-20 (PCT/EP2018/072421)
[87] (WO2019/038226)
[30] EP (17188026.3) 2017-08-25

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[13] A1
[51] **Int.Cl. C08K 3/34 (2006.01) C08K 5/526 (2006.01)**
[25] EN
[54] **FILLED POLYPROPYLENE (PP) COMPOSITION WITH IMPROVED THERMO-MECHANICAL PROPERTIES**
[54] **COMPOSITION DE POLYPROPYLENE (PP) CHARGEE PRESENTANT DES PROPRIETES THERMOMECANIQUES AMELIOREES**
[72] WANG, JINGBO, AT
[72] SCHWARZENBERGER, SIMON, AT
[72] BERNREITNER, KLAUS, AT
[72] GAHLEITNER, MARKUS, AT
[72] VURKKUNEN, VILLE, FI
[71] BOREALIS AG, AT
[85] 2020-01-23
[86] 2018-10-22 (PCT/EP2018/078827)
[87] (WO2019/081394)
[30] EP (17198353.9) 2017-10-25

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[54] **METAL GONFLABLE POUR JOINTS TORIQUES NON ELASTOMERES, EMPILEMENTS DE JOINTS ET JOINTS**
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[72] GRECI, STEPHEN M., US
[72] WALTON, ZACHARY W., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PERSONAL CARE COMPOSITIONS INCLUDING NARINGIN:ZINC COMPLEXES AND METHODS FOR THE SAME**
[54] **COMPOSITIONS DE SOINS PERSONNELS COMPRENANT DES COMPLEXES DE NARINGINE : ZINC ET LEURS PROCEDES D'UTILISATION**
[72] CHENG, SHUJIANG, US
[72] NABI, ZEENAT, US
[72] DU-THUMM, LAURENCE D., US
[72] WU, QIANG, US
[72] ONG, JANE, US
[72] SIOMYK, HALYNA, US
[72] TRIVEDI, HARSH, US
[72] MASTERS, JAMES, US
[72] CHENG, CHI-YUAN, US
[72] WU, DONGHUI, US
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[54] **UNITE DE CALCUL VECTORIEL**
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[72] TALPES, EMIL, US
[72] BANNON, PETER JOSEPH, US
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[54] **PROCEDE DE POLYMERISATION D'OLIGOMERES CYCLIQUES DE POLYAMIDES**
[72] KHARE, NEERAJ, US
[72] GERMAIN, DANA A., US
[72] NELLIAPPAN, VEERA, US
[71] ADVANSIX RESINS & CHEMICALS LLC, US
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[54] **METHOD FOR MAKING OXYGEN REMEDIATING MELT-INCORPORATED ADDITIVES IN PLASTICS FOR PACKAGES**
[54] **PROCEDE DE FABRICATION D'ADDITIFS INCORPORES A L'ETAT FONDU A ELIMINATION D'OXYGENE DANS DES PLASTIQUES POUR EMBALLAGES**
[72] SADLER, GEORGE D., US
[71] SADLER, GEORGE D., US
[71] PERFORMANCE MANAGEMENT AND CONSULTING, INC., US
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[54] **CONTACTS ELECTRIQUES MONOBLOCS**
[72] GONZALEZ, MARIO CESAR, US
[71] ITT MANUFACTURING ENTERPRISES LLC, US
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[72] WILLYBIRO, FIDELIN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **PALETTE D'EXPEDITION A CELLULES POLYGONALES FERMEES**
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[71] HAIDAR, HAISSAM, US
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[54] **ACCELERATED MATHEMATICAL ENGINE**
[54] **MOTEUR MATHEMATIQUE ACCELERE**
[72] BANNON, PETER JOSEPH, US
[72] HURD, KEVIN ALTAIR, US
[72] TALPES, EMIL, US
[71] TESLA, INC., US
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[54] **DETERMINATION D'EMPLACEMENTS DE SOURCE DE SEDIMENT**
[72] MICHAEL, NIKOLAOS A., SA
[72] SARAGIOTIS, CHRISTOS, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[54] **MECHANICAL SELF-LEVELING WALKER**
[54] **DEAMBULATEUR A AUTO-NIVELLEMENT MECANIQUE**
[72] TRIOLO, RONALD J., US
[72] FOGLYANO, KEVIN M., US
[71] UNITED STATES DEPARTMENT OF VETERANS AFFAIRS, US
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[54] **ESTIMATION DE PROPRIETES DE FORMATION A L'AIDE DE PROFILS DE SATURATION**
[72] AL-HARBI, AHMAD MUBARAK, SA
[72] KWAK, HYUNG TAE, SA
[72] GAO, JUN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[54] **SYSTEMS AND METHODS OF FUEL CELL STACK COMPRESSION**
[54] **SYSTEMES ET PROCEDES DE COMPRESSION D'EMPILEMENT DE PILES A COMBUSTIBLE**
[72] LUNT, BENJAMIN STEVEN, US
[72] GAMBINI, FILIPPO, US
[71] NUVERA FUEL CELLS, LLC, US
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[54] **KAURENE OXYDASE DE PISUM SATIVUM POUR LA PRODUCTION A HAUT RENDEMENT DE REBAUDIOSIDES**
[72] WICHMANN, GALE, US
[72] KHANKHOJE, ADITI, US
[72] MAHATDEJKUL-MEADOWS, TINA, US
[71] AMYRIS, INC., US
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[54] **PREDICTION DES REGLES CHEZ LES FEMMES APRES INSERTION D'UN SYSTEME A LIBERATION DE PRINCIPE ACTIF INTRA-UTERIN**
[72] FRENZ, ANN-KATHRIN, DE
[72] AHLERS, CHRISTIANE, DE
[72] BECKERT, VITA, DE
[72] GERLINGER, CHRISTOPH, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **UTILISATION DE MATIERES SANS ETINCELLES DANS LA MANIPULATION DE MATERIAU EN VRAC**
[72] ZIMMERMANN, WERNER, DE
[72] WALTHER, CLAUS-DIETHER, DE
[72] HUFSCHMIDT, ROLF, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **MODULATION OF THE NOTCH SIGNALING PATHWAY FOR TREATMENT OF RESPIRATORY DISORDERS**
[54] **MODULATION DE LA VOIE DE SIGNALISATION NOTCH POUR LE TRAITEMENT DE TROUBLES RESPIRATOIRES**
[72] GROSSMAN, TAMAR R., US
[71] IONIS PHARMACEUTICALS, INC., US
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[54] **DOORS COMPRISING GLAZED UNIT, AND METHOD OF MAKING THE SAME**
[54] **PORTES COMPRENANT UNE UNITE VITREE, ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] WANG, SHIRLEY, US
[72] GARRETT, JARED ANDREW, US
[72] JOHNSON, SCOTT EVERT, US
[72] LIN, SUNGSTE, US
[71] PLASTPRO 2000, INC., US
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[54] **COMPOSITIONS DE BLANCHIMENT POUR SOINS BUCCO-DENTAIRES**
[72] EVANS, LAUREN, US
[72] CHOPRA, SUMAN, US
[72] GALIYARA, TANAZ, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **ARTICLES CONTENANT UNE STRUCTURE FIBREUSE MULTICOUCHE**
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[72] YOUNG, CHRISTOPHER MICHAEL, US
[72] KLAWITTER, TIMOTHY JAMES, US
[72] DENBOW, JAMES ROY, US
[72] STELLJES, MICHAEL GOMER, US
[72] SUER, MICHAEL DONALD, US
[72] SHEEHAN, JEFFREY GLEN, US
[72] TROKHAN, PAUL DENNIS, US
[72] KIEN, KATHRYN CHRISTIAN, US
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **METHOD FOR THE PRODUCTION OF CANNABINOIDS FROM TYPES OF INDUSTRIAL HEMP**
[54] **PROCEDE DE PRODUCTION DE CANNABINOIDES A PARTIR DE TYPES DE CHANVRE INDUSTRIEL**
[72] CIPOLLETTI, GIOVANNI, IT
[72] VAGNOLI, LUANA, IT
[72] MATULLI, MARINA, IT
[72] FEBBRUARI, BARBARA, IT
[72] CHINI, JACOPO, IT
[71] INALCO S.R.L., IT
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[54] **COMPOSITIONS EDULCORANTES ET DE MASQUAGE DE GOUT, PRODUITS ET UTILISATIONS DE CELLES-CI**
[72] D'HOORE, TOM NELLY A., ES
[72] BORREGO RIOS, FRANCISCO, ES
[72] CRESPO MONTERO, FRANCISCO JAVIER, ES
[71] HEALTHTECH BIO ACTIVES, S.L.U., ES
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[54] **LAME POUR COUTEAU D'UNE MOISSONNEUSE AGRICOLE**
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[72] SCHMIDT, RALF, DE
[71] SMF-HOLDING GMBH, DE
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[25] FR
[54] **COMPOSITIONS IN THE FORM OF AN INJECTABLE AQUEOUS SOLUTION COMPRISING AT LEAST HUMAN INSULIN A21G AND A PRANDIAL ACTION GLUCAGON SUPPRESSOR**
[54] **COMPOSITIONS SOUS FORME D'UNE SOLUTION AQUEUSE INJECTABLE COMPRENANT AU MOINS L'INSULINE HUMAINE A21G ET UN SUPPRESSEUR DE GLUCAGON A ACTION PRANDIALE**
[72] CHAN, YOU-PING, FR
[71] ADOCIA, FR
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[86] 2018-07-27 (PCT/EP2018/070510)
[87] (WO2019/020820)
[30] FR (1757172) 2017-07-27
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[25] FR
[54] **EMPTYING SYSTEM FOR EMPTYING A RESERVOIR WITH A FLUID CONTROL SYSTEM FOR A VALVE FOR CONNECTING THE RESERVOIR TO A VENT**
[54] **SYSTEME DE VIDANGE POUR LA VIDANGE D'UN RESERVOIR AVEC SYSTEME DE PILOTAGE FLUIDIQUE D'UNE VANNE DE RACCORDEMENT DU RESERVOIR A UN EVENT**
[72] RAKOTONDRAINIBE, ANDRE, FR
[72] VERBECKE, FRANCK, FR
[72] REYBAUD, JEAN-CLAUDE, FR
[71] AREVA STOCKAGE D'ENERGIE, FR
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[25] EN
[54] **METHODS FOR MIMICKING CHRONIC CALORIC RESTRICTION AND FOR IMPARTING HEALTH BENEFITS TO AN ANIMAL**
[54] **PROCEDES POUR IMITER UNE RESTRICTION CALORIQUE CHRONIQUE ET POUR CONFERER DES BIENFAITS POUR LA SANTE A UN ANIMAL**
[72] PAN, YUANLONG, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[51] **Int.Cl. A61B 5/024 (2006.01) A61B 5/05 (2006.01)**
[25] EN
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[54] **DISPOSITIF DE DETECTION DE FREQUENCE CARDIAQUE ET SYSTEMES ET PROCEDES ASSOCIES**
[72] PEREZ-CAMARGO, GERARDO, US
[72] NEUBARTH, STUART KYLE, US
[72] DONAVON, MARK ALAN, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **PROCEDE DE NETTOYAGE**
[72] VASQUEZ VALDIVIESO, MONTSERRAT GUADALUPE, GB
[72] LANT, NEIL JOSEPH, GB
[72] PATTERSON, STEVEN GEORGE, GB
[71] THE PROCTER & GAMBLE COMPANY, US
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[86] 2018-08-16 (PCT/IB2018/056184)
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[30] EP (17186888.8) 2017-08-18

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[25] EN
[54] **METHODS FOR IMPROVING CARDIOVASCULAR DISEASE MANAGEMENT**
[54] **METHODES POUR AMELIORER LA PRISE EN CHARGE DES MALADIES CARDIOVASCULAIRES**
[72] BEISSWENGER, PAUL J., US
[71] PREVENTAGE HEALTHCARE LLC, US
[85] 2020-01-24
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[51] **Int.Cl. C07K 14/435 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) D01F 4/02 (2006.01)**
[25] EN
[54] **MODIFIED FIBROIN**
[54] **FIBROINE MODIFIEE**
[72] MORITA KEISUKE, JP
[72] ABE YUNOSUKE, JP
[72] MAEKAWA TAKEHISA, JP
[72] KOTAKA KOICHI, JP
[72] SUGAHARA JUNICHI, JP
[72] NUMATA KEIJI, JP
[71] SPIBER INC., JP
[71] RIKEN, JP
[85] 2020-01-24
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[30] JP (2017-144586) 2017-07-26

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[25] EN
[54] **NEW PROPANAMINE DERIVATIVES FOR TREATING PAIN AND PAIN RELATED CONDITIONS**
[54] **NOUVEAUX DERIVES DE PROPANAMINE PERMETTANT DE TRAITER LA DOULEUR ET DES ETATS PATHOLOGIQUES ASSOCIES A LA DOULEUR**
[72] VIRGILI-BERNADO, MARINA MARINA, ES
[72] ALMANSA-ROSALES, CARMEN, ES
[72] ALONSO-XALMA, MONICA, ES
[72] OSORIO-PLANES, LAURA, ES
[71] ESTEVE PHARMACEUTICALS, S.A., ES
[85] 2020-01-24
[86] 2018-07-27 (PCT/EP2018/070418)
[87] (WO2019/020792)
[30] EP (17382502.7) 2017-07-27

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[51] **Int.Cl. B63B 7/08 (2020.01) B63B 32/51 (2020.01) B63B 32/53 (2020.01) B63B 32/59 (2020.01) B63B 34/22 (2020.01) B63B 34/23 (2020.01) B63B 73/40 (2020.01) B63B 3/02 (2006.01)**
[25] EN
[54] **INFLATABLE WATERCRAFT AND METHOD FOR THE PRODUCTION THEREOF**
[54] **EMBARCATION GONFLABLE, ET PROCEDE DE FABRICATION**
[72] PRADE, ERNSTFRIED, DE
[72] WEINBERGER, DANIEL, DE
[71] PRADE, ERNSTFRIED, DE
[85] 2020-01-24
[86] 2018-07-30 (PCT/EP2018/070616)
[87] (WO2019/025375)
[30] DE (10 2017 007 243.4) 2017-07-29
[30] DE (10 2017 010 812.9) 2017-11-22
[30] DE (10 2018 003 227.3) 2018-04-18

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[51] **Int.Cl. A61K 49/18 (2006.01) A61K 49/12 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING MELANIN, AND METHODS OF PREPARING AND USES THEREOF**
[54] **COMPOSITIONS COMPRENANT DE LA MELANINE, ET PROCEDES DE PREPARATION ET UTILISATIONS DE CELLES-CI**
[72] JU, KUK-YOUN, KR
[72] LEE, JIN-KYU, KR
[72] LEE, JUNG HEE, KR
[72] LEE, WON JAE, KR
[71] MELANIS CO., LTD., KR
[71] SEOUL NATIONAL UNIVERSITY R&DB FOUNDATION, KR
[71] RESEARCH & BUSINESS FOUNDATION, SUNGKYUNKWAN UNIVERSITY, KR
[85] 2020-01-24
[86] 2017-07-25 (PCT/IB2017/054518)
[87] (WO2019/021035)

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[51] **Int.Cl. C02F 5/06 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITIONS FOR PRODUCING SEAWATER BASED, HIGH TEMPERATURE VISCOELASTIC SURFACTANT FLUIDS WITH LOW SCALING TENDENCY**
[54] **PROCEDE ET COMPOSITIONS POUR PRODUIRE DES FLUIDES TENSIOACTIFS VISCOELASTIQUES A HAUTE TEMPERATURE A BASE D'EAU DE MER A FAIBLE TENDANCE A L'ENTARTRAGE**
[72] LI, LEIMING, US
[72] LIANG, FENG, US
[72] CHEN, TAO, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-24
[86] 2018-06-29 (PCT/US2018/040199)
[87] (WO2019/022917)
[30] US (15/661,596) 2017-07-27

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[13] A1
[51] **Int.Cl. C12N 9/42 (2006.01) C12N 9/88 (2006.01)**
[25] EN
[54] **XANTHAN LYASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME**
[54] **VARIANTS DE LA XANTHANE LYASE ET POLYNUCLEOTIDES CODANT POUR CEUX-CI**
[72] MONRAD, RUNE NYGAARD, DK
[72] SAINATHAN, RAJENDRA KULOTHUNGAN, IN
[72] MENDEZ, GEETHA HIREMATH, IN
[72] DALAL, SOHEL, IN
[72] AGARWAL, SHILPI, IN
[72] SVENDSEN, ALLAN, DK
[72] OVERGAARD, METTE LOUISE DISSING, DK
[72] RAO, VASUDEVA PRAHLADA, IN
[71] NOVOZYMES A/S, DK
[85] 2020-01-24
[86] 2018-08-03 (PCT/EP2018/071092)
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[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/00 (2006.01) A61B 5/1459 (2006.01) A61B 5/1473 (2006.01)**
[25] EN
[54] **PERSONAL HEALTH MONITORING SYSTEM, MULTIPLE USER HEALTH MONITORING SYSTEM, AND METHOD**
[54] **SYSTEME PERSONNEL DE SURVEILLANCE DE LA SANTE, SYSTEME MULTIPLE DE SURVEILLANCE DE LA SANTE D'UN UTILISATEUR ET PROCEDE**
[72] DELBEKE, DANAE, BE
[72] VAN SCHUYLENBERGH, KOENRAAD, BE
[72] POLLET, WIM, BE
[72] ORDONEZ ORELLANA, JUAN SEBASTIAN, BE
[72] NIJLUNSING, RUTGER, NL
[71] INDIGO DIABETES N.V., BE
[85] 2020-01-24
[86] 2018-08-17 (PCT/EP2018/072317)
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[30] EP (17186763.3) 2017-08-18

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[13] A1
[51] **Int.Cl. C07C 273/04 (2006.01)**
[25] EN
[54] **A UREA PRODUCTION PROCESS AND PRODUCTION PLANT USING CO2 PRODUCED BY OXY-COMBUSTION**
[54] **PROCEDE DE PRODUCTION D'UREE ET INSTALLATION DE PRODUCTION UTILISANT LE CO2 PRODUIT PAR OXY-COMBUSTION**
[72] ZAMBIANCO, ANDREA, IT
[72] MONTRONE, DONATO, IT
[72] POLIZZI, ROSSELLA, IT
[72] SALA, MASSIMILIANO, IT
[72] USAI, GIOIA, IT
[71] SAIPEM S.P.A., IT
[85] 2020-01-24
[86] 2018-08-03 (PCT/IB2018/055861)
[87] (WO2019/026044)
[30] IT (102017000090748) 2017-08-04

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[13] A1
[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **LIP OF A SCOOP FOR EARTH-MOVING MACHINES**
[54] **LEVRE DE PELLE POUR MACHINES DE DEPLACEMENT DE TERRES**
[72] AMAT HOLGADO, CARLOS, ES
[72] GIMENO TORDERA, ALBERT, ES
[72] TRIGINER BOIXEDA, JORGE, ES
[71] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES
[85] 2020-01-24
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[87] (WO2019/020844)

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[13] A1
[51] **Int.Cl. F16K 47/08 (2006.01)**
[25] EN
[54] **IMPROVED NOISE ATTENUATION TRIM ASSEMBLY**
[54] **ENSEMBLE DE GARNITURE D'ATTENUATION DE BRUIT AMELIORE**
[72] MCCARTY, MICHAEL W., US
[71] FISHER CONTROLS INTERNALTIONAL LLC, US
[85] 2020-01-24
[86] 2018-07-20 (PCT/US2018/043104)
[87] (WO2019/023064)
[30] US (15/660,249) 2017-07-26

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[13] A1
[51] **Int.Cl. A23L 33/21 (2016.01) A23L 19/00 (2016.01)**
[25] EN
[54] **COMPOSITION CONTAINING FINE PARTICLE COMPOSITE AND METHOD FOR MANUFACTURING THE SAME**
[54] **COMPOSITION CONTENANT UN COMPLEXE DE PARTICULES FINES ET PROCEDE DE PRODUCTION ASSOCIE**
[72] HIGUCHI, TATSUYA, JP
[72] IHARA, JUNICHIRO, JP
[71] MIZKAN HOLDINGS CO., LTD., JP
[85] 2020-01-24
[86] 2018-10-11 (PCT/JP2018/037964)
[87] (WO2019/193780)
[30] JP (2018-074231) 2018-04-06

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[13] A1
[51] **Int.Cl. C07D 413/04 (2006.01) A61K 31/4545 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **FLUOROPIPERIDINE COMPOUNDS AS PURE 5-HT6 RECEPTOR ANTAGONISTS**
[54] **COMPOSES DE FLUOROPIPERIDINE UTILISES EN TANT QU'ANTAGONISTES PURS DU RECEPTEUR 5-HT 6**
[72] NIROGI, RAMAKRISHNA, IN
[72] SHINDE, ANIL KARBHARI, IN
[72] MOHAMMED, ABDUL RASHEED, IN
[72] BADANGE, RAJESH KUMAR, IN
[72] BOJJA, KUMAR, IN
[72] GOYAL, VINOD KUMAR, IN
[72] PANDEY, SANTOSH KUMAR, IN
[72] THENTU, JAGADEESH BABU, IN
[72] JASTI, VENKATESWARLU, IN
[71] SUVEN LIFE SCIENCES LIMITED, IN
[85] 2020-01-24
[86] 2018-08-06 (PCT/IB2018/055894)
[87] (WO2019/030641)
[30] IN (201741028024) 2017-08-07

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04B 7/06 (2006.01) H04L 1/06 (2006.01)**
[25] EN
[54] **METHOD FOR TRANSMITTING SRS AND TERMINAL THEREFOR**
[54] **PROCEDE DE TRANSMISSION DE SRS ET TERMINAL ASSOCIE**
[72] CHOI, KUKHEON, KR
[72] KANG, JIWON, KR
[72] KIM, KYUSEOK, KR
[72] AHN, MINKI, KR
[72] LEE, KILBOM, KR
[71] LG ELECTRONICS INC., KR
[85] 2020-01-24
[86] 2018-01-30 (PCT/KR2018/001275)
[87] (WO2019/022329)
[30] US (62/537,491) 2017-07-27

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[51] **Int.Cl. C12N 9/02 (2006.01) C11D 3/386 (2006.01)**
[25] EN
[54] **CLEANING AGENT**
[54] **AGENT DE NETTOYAGE**
[72] VASQUEZ VALDIVIESO, MONTSERRAT GUADALUPE, GB
[72] LANT, NEIL JOSEPH, GB
[72] PATTERSON, STEVEN GEORGE, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-24
[86] 2018-08-16 (PCT/IB2018/056177)
[87] (WO2019/035038)
[30] EP (17186883.9) 2017-08-18

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[13] A1
[51] **Int.Cl. G01C 21/26 (2006.01) B60W 30/10 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **TRAVEL ASSISTANCE METHOD AND TRAVEL ASSISTANCE DEVICE**
[54] **PROCEDE D'AIDE AU DEPLACEMENT ET DISPOSITIF D'AIDE AU DEPLACEMENT**
[72] UEDA, HIROTOSHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-24
[86] 2017-07-27 (PCT/JP2017/027316)
[87] (WO2019/021437)

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6818 (2018.01)**
[25] EN
[54] **NUCLEIC ACID COMPLEX PAIR, COMPETITIVE CONSTRUCT, AND PCR KIT USING THE SAME**
[54] **PAIRE DE COMPLEXES D'ACIDE NUCLEIQUE, STRUCTURE COMPETITIVE ET KIT DE PCR UTILISANT LES DEUX**
[72] KIM, YONG TAE, KR
[71] NBIOTECH CO., LTD., KR
[85] 2020-01-24
[86] 2018-07-25 (PCT/KR2018/008444)
[87] (WO2019/022520)
[30] US (62/536,898) 2017-07-25
[30] US (62/580,335) 2017-11-01
[30] KR (10-2018-0007355) 2018-01-19
[30] KR (10-2018-0014739) 2018-02-06

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[51] **Int.Cl. G08G 1/127 (2006.01) H04W 4/02 (2018.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **AN INTERACTIVE REAL TIME SYSTEM AND REAL TIME METHOD OF USE THEREOF IN CONVEYANCE INDUSTRY SEGMENTS**
[54] **SYSTEME EN TEMPS REEL INTERACTIF ET SON PROCEDE D'UTILISATION EN TEMPS REEL DANS DES SEGMENTS D'INDUSTRIE DE TRANSPORT**
[72] DACOSTA, ALEXIS, US
[72] COLETTI, VINCE, US
[71] DACOSTA, ALEXIS, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043363)
[87] (WO2019/027718)
[30] US (62/539,706) 2017-08-01
[30] US (15/675,757) 2017-08-13
[30] US (15/680,439) 2017-08-18
[30] US (16/038,487) 2018-07-18

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC HEART VALVE**
[54] **VALVE CARDIAQUE PROTHETIQUE**
[72] HARITON, ILIA, IL
[72] IAMBERGER, MENI, IL
[72] BAUM, AVIRAM, IL
[72] HARARI, BOAZ, IL
[72] AYVAZIAN, ARAM, IL
[72] KASIMOV, YELENA, IL
[71] CARDIOVALVE LTD., IL
[85] 2020-01-24
[86] 2018-07-04 (PCT/IL2018/050725)
[87] (WO2019/026059)
[30] US (15/668,559) 2017-08-03
[30] US (62/560,384) 2017-09-19
[30] US (15/956,956) 2018-04-19

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[51] **Int.Cl. G08G 1/16 (2006.01) B60W 50/14 (2020.01) B60R 21/00 (2006.01) G08G 1/0962 (2006.01)**
[25] EN
[54] **SURROUNDING SITUATION DISPLAY METHOD AND SURROUNDING SITUATION DISPLAY DEVICE**
[54] **PROCEDE ET DISPOSITIF D'AFFICHAGE DE CONDITIONS ENVIRONNANTES**
[72] KUSAYANAGI, YOSHINORI, JP
[72] WATANABE, SEIGO, JP
[72] YANAGI, TAKURA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-24
[86] 2017-07-28 (PCT/JP2017/027444)
[87] (WO2019/021458)

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[13] A1
[51] **Int.Cl. H04W 74/08 (2009.01) H04W 74/00 (2009.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PERFORMING RANDOM ACCESS PROCEDURE**
[54] **PROCEDE ET APPAREIL PERMETTANT D'EXECUTER UNE PROCEDURE D'ACCES ALEATOIRE**
[72] AGIWAL, ANIL, KR
[72] AMURU, SAIDHIRAJ, IN
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2020-01-24
[86] 2018-07-27 (PCT/KR2018/008569)
[87] (WO2019/022572)
[30] IN (201711026769) 2017-07-27

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[51] **Int.Cl. C08F 234/04 (2006.01) C08G 61/12 (2006.01) C08G 75/00 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE WIDE-BANDGAP POLYMERS FOR ORGANIC PHOTOVOLTAICS**
[54] **POLYMERES A GRANDE LARGEUR DE BANDE INTERDITE A HAUTES PERFORMANCES, POUR PHOTOVOLTAIQUE ORGANIQUE**
[72] NIELSEN, LAURA, US
[72] WOODY, KATHY, US
[72] PAN, HUALONG, US
[72] EARMME, TAESHIK, KR
[71] PHILLIPS 66 COMPANY, US
[85] 2020-01-24
[86] 2018-07-18 (PCT/US2018/042724)
[87] (WO2019/023025)
[30] US (62/538,632) 2017-07-28
[30] US (16/038,364) 2018-07-18

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[13] A1
[51] **Int.Cl. C02F 1/40 (2006.01) B03C 1/005 (2006.01) C02F 1/48 (2006.01) E02B 15/04 (2006.01)**
[25] EN
[54] **MAGNETIZATION CONTROL AND TRANSPORTATION OF OIL**
[54] **COMMANDE DE MAGNETISATION ET TRANSPORT D'HUILE**
[72] WARNER, ARDEN, US
[71] NATURAL SCIENCE, LLC, US
[85] 2020-01-24
[86] 2017-10-04 (PCT/US2017/055140)
[87] (WO2019/022781)
[30] US (15/662,451) 2017-07-28
[30] US (15/700,720) 2017-09-11

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[13] A1
[51] **Int.Cl. H04L 27/26 (2006.01)**
[25] EN
[54] **TRANSMITTING APPARATUS, RECEIVING APPARATUS AND RADIO COMMUNICATION METHOD**
[54] **DISPOSITIF DE TRANSMISSION, DISPOSITIF DE RECEPTION, ET PROCEDE DE COMMUNICATION SANS FIL**
[72] SAITO, KEISUKE, JP
[72] TAKEDA, KAZUAKI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2020-01-24
[86] 2017-07-28 (PCT/JP2017/027521)
[87] (WO2019/021474)

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[13] A1
[51] **Int.Cl. A61K 31/65 (2006.01) A61K 38/12 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **CO-ADMINISTRATION OF MINOCYCLINE AND COLISTIN TO REDUCE ACUTE KIDNEY INJURY**
[54] **CO-ADMINISTRATION DE MINOCYCLINE ET DE COLISTINE POUR REDUIRE LE RISQUE DE LESION RENALE AIGUE**
[72] DUDLEY, MICHAEL N., US
[72] GRIFFITH, DAVID C., US
[71] REMPEX PHARMACEUTICALS, INC., US
[85] 2020-01-24
[86] 2018-01-08 (PCT/US2018/012809)
[87] (WO2018/129463)
[30] US (62/444,235) 2017-01-09
[30] US (62/488,528) 2017-04-21

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[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06N 99/00 (2019.01) G06Q 50/12 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MACHINE-BASED MATCHING OF LODGING INVENTORY FROM DISPARATE RESERVATION PROVIDER SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE MISE EN CORRESPONDANCE PAR MACHINE DE STOCK D'HEBERGEMENT A PARTIR DE SYSTEMES DISPARATES DE PRESTATAIRES DE RESERVATION**
[72] WILLIAMS, RYAN, US
[72] MCCOY, RYAN, US
[72] NELSON, DANIEL, US
[72] VALENTINE, NEIL, US
[72] JENSEN, SCOTT, US
[71] TRAVELPASS GROUP, LLC, US
[85] 2020-01-24
[86] 2018-07-25 (PCT/US2018/043723)
[87] (WO2019/023361)
[30] US (62/536,781) 2017-07-25
[30] US (16/042,605) 2018-07-23

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[51] **Int.Cl. G10K 11/16 (2006.01) B32B 3/12 (2006.01) G10K 11/168 (2006.01) G10K 11/172 (2006.01) B60R 13/08 (2006.01)**
[25] EN
[54] **SOUNDPROOFING MATERIAL**
[54] **MATERIAU D'INSONORISATION**
[72] HORIBE, NORIFUMI, JP
[72] MIURA, SUSUMU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-24
[86] 2018-07-27 (PCT/JP2018/028326)
[87] (WO2019/022245)
[30] JP (2017-146066) 2017-07-28
[30] JP (2018-136411) 2018-07-20

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[13] A1
[51] **Int.Cl. B07B 7/04 (2006.01) B07B 7/02 (2006.01) B24C 3/00 (2006.01) B24C 3/04 (2006.01) B24C 9/00 (2006.01)**
[25] EN
[54] **SEPARATION DEVICE FOR COATING BLASTING AND COATING STRIPPING BOOTHS**
[54] **DISPOSITIF DE SEPARATION POUR CABINES DE DECAPAGE ET D'ELIMINATION DE REVETEMENT**
[72] SALAZAR, ABRAHAM J., US
[72] COOK, DONALD A., US
[71] GIFFIN, INC., US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044127)
[87] (WO2019/023600)
[30] US (62/537,688) 2017-07-27
[30] US (62/569,684) 2017-10-09

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) G06F 3/0481 (2013.01) G06F 21/32 (2013.01) G02B 27/00 (2006.01) G06F 3/033 (2013.01) G06F 3/041 (2006.01)**
[25] EN
[54] **BIOMETRIC SECURITY SYSTEMS AND METHODS**
[54] **PROCEDES ET SYSTEMES DE SECURITE BIOMETRIQUE**
[72] MAPEN, BARRY E., US
[72] ACKERMAN, DAVID ALAN, US
[71] PRINCETON IDENTITY, INC., US
[85] 2020-01-24
[86] 2018-07-19 (PCT/US2018/042807)
[87] (WO2019/023032)
[30] US (62/537,253) 2017-07-26

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[13] A1
[51] **Int.Cl. H04W 80/06 (2009.01) H04L 12/801 (2013.01) H04L 12/893 (2013.01) H04L 29/06 (2006.01) H04L 29/08 (2006.01) H04W 28/02 (2009.01)**
[25] EN
[54] **SMART SPOOFING TO IMPROVE SPOOFING PERFORMANCE WHEN RESOURCES ARE SCARCE**
[54] **MYSTIFICATION INTELLIGENTE DESTINEE A AMELIORER LES PERFORMANCES DE MYSTIFICATION LORSQUE DES RESSOURCES SONT RARES**
[72] BORDER, JOHN, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2020-01-24
[86] 2018-07-25 (PCT/US2018/043780)
[87] (WO2019/027774)
[30] US (15/665,331) 2017-07-31

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[13] A1
[51] **Int.Cl. F21S 8/08 (2006.01) F21V 15/00 (2015.01) F21V 15/01 (2006.01) F21V 15/015 (2006.01)**
[25] EN
[54] **LINEAR STRIP RETROFIT KIT**
[54] **KIT DE MMODERNISATION DE BANDEAU LINEAIRE**
[72] DAVIS, MICHAEL, US
[72] PATEL, DHAVALKUMAR, US
[71] HUBBELL INCORPORATED, US
[85] 2020-01-24
[86] 2018-07-26 (PCT/US2018/043891)
[87] (WO2019/023449)
[30] US (62/537,251) 2017-07-26

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[13] A1
[51] **Int.Cl. A47L 15/50 (2006.01) A47J 45/00 (2006.01) A47J 47/16 (2006.01) A47J 47/20 (2019.01)**
[25] EN
[54] **DIRTY SILVERWARE RETRIEVING DEVICE FOR EATING ESTABLISHMENTS**
[54] **DISPOSITIF DE RECUPERATION D'ARGENTERIE SALE POUR ETABLISSEMENTS DE RESTAURATION**
[72] NASSER, LINA MARIA, US
[71] NASSER, LINA MARIA, US
[85] 2020-01-24
[86] 2018-07-03 (PCT/US2018/040691)
[87] (WO2019/022926)
[30] US (15/657,854) 2017-07-24

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[13] A1
[51] **Int.Cl. A61N 5/00 (2006.01) A61B 5/00 (2006.01) A61B 5/103 (2006.01) A61N 5/10 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL BEAM FORMING X-RAY SOURCE**
[54] **SOURCE DE RAYONS X FORMANT UN FAISCEAU TRIDIMENSIONNEL**
[72] FISHMAN, KALMAN, US
[72] WILFLEY, BRIAN, PATRICK, US
[72] OLGADO, DONALD, US
[72] KU, CHWEN-YUAN, US
[72] FUNK, TOBIAS, US
[72] VATAHOV, PETRE, US
[72] MITCHELL, CHRISTOPHER, R., US
[72] ELLENOR, CHRISTOPHER W., CA
[71] SENSUS HEALTHCARE, INC., US
[85] 2020-01-24
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[30] US (62/479,455) 2017-03-31

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[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01)**
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[54] **ANTIBODIES TO M(H)DM2/4 AND THEIR USE IN DIAGNOSING AND TREATING CANCER**
[54] **ANTICORPS DIRIGES CONTRE M(H)DM2/4 ET LEUR UTILISATION DANS LE DIAGNOSTIC ET LE TRAITEMENT DU CANCER**
[72] SARAFRAZ-YAZDI, EHSUN, US
[72] EVANS, BRAD R., US
[71] NOMOCAN PHARMACEUTICALS LLC, US
[85] 2020-01-24
[86] 2018-07-26 (PCT/US2018/043908)
[87] (WO2019/023460)
[30] US (62/537,914) 2017-07-27

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[51] **Int.Cl. E06B 3/28 (2006.01) E06B 1/60 (2006.01) E06B 3/26 (2006.01) E06B 3/30 (2006.01) E06B 9/24 (2006.01) F16B 5/06 (2006.01)**
[25] EN
[54] **FRAMELESS SUPPLEMENTAL WINDOW FOR FENESTRATION**
[54] **FENETRE SUPPLEMENTAIRE SANS CADRE POUR FENETRAGE**
[72] WEXLER, RONALD M., US
[71] WEXENERGY LLC, US
[85] 2020-01-24
[86] 2018-05-23 (PCT/US2018/034183)
[87] (WO2018/222467)
[30] US (62/540,606) 2017-08-03
[30] US (62/512,476) 2017-05-30

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[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) G06N 20/00 (2019.01) A61B 5/024 (2006.01) A61B 5/0295 (2006.01) A61B 5/0402 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EARLY PREDICTION OF A PREDISPOSITION OF DEVELOPING PREECLAMPSIA WITH SEVERE FEATURES**
[54] **SYSTEME ET PROCEDE DE PREDICTION PRECOCE D'UNE PREDISPOSITION A DEVELOPPER UNE PREECLAMPSIE AVEC DES CARACTERISTIQUES GRAVES**
[72] EULIANO, NEIL RUSSELL, US
[72] EULIANO, TAMMY Y., US
[72] MICHALOPOULOS, KONSTANTINOS, US
[72] SINGH, SAVYASACHI, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[71] CONVERGENT ENGINEERING, INC., US
[85] 2020-01-24
[86] 2018-08-01 (PCT/US2018/044897)
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[30] US (62/539,781) 2017-08-01

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[51] **Int.Cl. E21B 33/10 (2006.01) E21B 33/12 (2006.01)**
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[54] **IMPROVED FRAC PLUG**
[54] **BOUCHON DE FRACTURATION AMELIORE**
[72] FITZHUGH, BRYAN, US
[72] MUSCROFT, WILLIAM, US
[71] PEAK COMPLETION TECHNOLOGIES, INC., US
[85] 2020-01-24
[86] 2018-07-26 (PCT/US2018/043949)
[87] (WO2019/023493)
[30] US (62/537,448) 2017-07-26
[30] US (62/670,324) 2018-05-11

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[51] **Int.Cl. B01J 8/00 (2006.01) B01F 3/04 (2006.01)**
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[54] **METHODS FOR FLUID CONTACTING IN A DOWNFLOW VESSEL**
[54] **PROCEDES DE MISE EN CONTACT DE FLUIDES DANS UNE CUVE A COURANT DESCENDANT**
[72] XU, ZHANPING, US
[72] NAUNHEIMER, CHRISTOPHER, US
[72] CHEN, PENGFEI, US
[72] SHAFE, PETER H., US
[72] LESNIAK, STEVEN J., US
[71] UOP LLC, US
[85] 2020-01-24
[86] 2018-07-19 (PCT/US2018/042859)
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[30] US (62/538,246) 2017-07-28

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[25] EN
[54] **FAT-BASED FILLING COMPRISING MICRONIZED BRAN**
[54] **GARNITURE A BASE DE GRAISSE COMPRENANT DU SON MICRONISE**
[72] FOUCAULT, MICHAEL, BE
[72] KEGELAERS, YVES, BE
[72] MOSSEL, RICHARD, BE
[71] CARGILL, INCORPORATED, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044056)
[87] (WO2019/023558)
[30] EP (17183522.6) 2017-07-27

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[51] **Int.Cl. D06M 17/00 (2006.01) D06M 13/292 (2006.01) D06M 15/00 (2006.01)**
[25] EN
[54] **DURABLE THERMOREGULATING TEXTILE STRUCTURES AND METHODS OF MANUFACTURE**
[54] **STRUCTURES TEXTILES A REGULATION THERMIQUE DURABLE ET PROCEDES DE FABRICATION**
[72] MITTAL, KHUSHBOO, US
[72] KANDHASAMY, MOHAN MEIYAPPAN, US
[71] SYSCO GUEST SUPPLY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044065)
[87] (WO2019/023560)
[30] US (62/538,299) 2017-07-28

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[51] **Int.Cl. G01F 23/24 (2006.01) A47J 37/12 (2006.01) H05B 1/02 (2006.01)**
[25] EN
[54] **SENSOR SYSTEM AND INTEGRATED HEATER-SENSOR FOR MEASURING AND CONTROLLING PERFORMANCE OF A HEATER SYSTEM**
[54] **SYSTEME DE CAPTEUR ET ENSEMBLE CAPTEUR-DISPOSITIF DE CHAUFFAGE INTEGRE POUR MESURER ET COMMANDER LES PERFORMANCES D'UN SYSTEME DE CHAUFFAGE**
[72] OHSE, JEREMY, US
[72] STEINHAUSER, LOUIS P., US
[72] EVERLY, MARK, US
[72] BRADSHAW, BRETT, US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044119)
[87] (WO2019/023594)
[30] US (62/537,922) 2017-07-27

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[51] **Int.Cl. C08J 3/075 (2006.01) A61K 9/10 (2006.01) A61K 47/36 (2006.01) C08J 3/18 (2006.01) C08J 3/20 (2006.01) C08K 5/053 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCTION OF SOFTGELS**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE CAPSULES MOLLES**
[72] JAIN, ANIL, CA
[72] BECHTOLD, JERRY, CA
[71] TERRA LIFE SCIENCES INC., CA
[85] 2020-01-27
[86] 2018-07-27 (PCT/CA2018/050918)
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[30] US (62/538,367) 2017-07-28

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[51] **Int.Cl. A61K 31/4188 (2006.01) A61K 9/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING GALACTOSEMIA**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA GALACTOSEMIE**
[72] SHENDELMAN, SHOSHANA, US
[71] APPLIED THERAPEUTICS INC., US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044199)
[87] (WO2019/023648)
[30] US (62/538,443) 2017-07-28

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[51] **Int.Cl. B01D 1/00 (2006.01) B01D 1/18 (2006.01) B01D 1/20 (2006.01) F26B 3/12 (2006.01)**
[25] EN
[54] **ULTRAHIGH EFFICIENCY SPRAY DRYING APPARATUS AND PROCESS**
[54] **APPAREIL ET PROCEDE DE SECHAGE PAR PULVERISATION A TRES HAUT RENDEMENT**
[72] BEETZ, CHARLES PERSHING, US
[72] BEETZ, JASON ANDREW, US
[71] ZOOMESSENCE, INC., US
[85] 2020-01-24
[86] 2018-08-04 (PCT/US2018/045295)
[87] (WO2019/028446)
[30] US (15/668,832) 2017-08-04
[30] US (15/865,657) 2018-01-09
[30] US (16/005,302) 2018-06-11
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[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING A STATE OF CHARGE OF A BATTERY**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER UN ETAT DE CHARGE D'UNE BATTERIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044220)
[87] (WO2019/023663)
[30] US (62/538,622) 2017-07-28
[30] US (62/659,929) 2018-04-19
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[54] **SEED SORTING**
[54] **TRI DE GRAINES**
[72] BORROWMAN, ERIC L., US
[72] CEGLINSKI, JARRETT R., US
[72] CHAUDHARY, GOVIND, 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] 2020-01-24
[86] 2018-07-31 (PCT/US2018/044566)
[87] (WO2019/027998)
[30] US (62/539,250) 2017-07-31

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[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING A HEALTH STATUS OF A MONOBLOC**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE L'ETAT DE SANTE D'UN MONOBLOC**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044229)
[87] (WO2019/023670)
[30] US (62/538,622) 2017-07-28
[30] US (62/659,929) 2018-04-19
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 31/5383 (2006.01) A61K 31/55 (2006.01)**
[25] EN
[54] **ORGANIC COMPOUNDS**
[54] **COMPOSES ORGANIQUES**
[72] LI, PENG, US
[72] YAO, WEI, US
[72] DAVIS, ROBERT, US
[72] MATES, SHARON, US
[72] VANOVER, KIMBERLY, US
[72] SNYDER, GRETCHEN, US
[71] INTRA-CELLULAR THERAPIES, INC., US
[85] 2020-01-24
[86] 2018-07-20 (PCT/US2018/043100)
[87] (WO2019/023062)
[30] US (62/537,287) 2017-07-26
[30] US (62/639,244) 2018-03-06
[30] US (62/682,546) 2018-06-08

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[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **AUTOMATED SCENARIO RECOGNITION AND REPORTING USING NEURAL NETWORKS**
[54] **RAPPORT ET RECONNAISSANCE DE SCENARIO AUTOMATISEE A L'AIDE DE RESEAUX NEURONAUX**
[72] KAYHANI, NIOSHA, GB
[72] REYMANN, STEFFEN, GB
[71] CUBIC CORPORATION, US
[85] 2020-01-24
[86] 2018-07-31 (PCT/US2018/044594)
[87] (WO2019/028016)
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[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **ENERGY STORAGE DEVICE, SYSTEMS AND METHODS FOR MONITORING AND PERFORMING DIAGNOSTICS ON BATTERIES**
[54] **DISPOSITIF DE STOCKAGE D'ENERGIE, SYSTEMES ET PROCEDES DE SURVEILLANCE ET D'EXECUTION DE DIAGNOSTICS SUR DES BATTERIES**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044230)
[87] (WO2019/023671)
[30] US (62/538,622) 2017-07-28
[30] US (62/659,929) 2018-04-19
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR DETERMINING A STATE OF CHARGE OF A DISCONNECTED BATTERY**
[54] **SYSTEME ET PROCEDE PERMETTANT DE DETERMINER UN ETAT DE CHARGE D'UNE BATTERIE DECONNECTEE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044235)
[87] (WO2019/023675)
[30] US (62/538,622) 2017-07-28
[30] US (62/660,157) 2018-04-19
[30] US (62/659,929) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/506 (2006.01) A61K 31/52 (2006.01) A61P 35/02 (2006.01) C07D 239/42 (2006.01) C07D 473/16 (2006.01)**
[25] EN
[54] **COMPOUNDS, COMPOSITIONALS, AND METHODS FOR TREATING T-CELL ACUTE LYMPHOBLASTIC LEUKEMIA**
[54] **COMPOSES, COMPOSITIONS ET PROCEDES DE TRAITEMENT DE LA LEUCEMIE LYMPHOBLASTIQUE AIGUE A LYMPHOCYTES T**
[72] LANDRY, DONALD W., US
[72] DENG, SHI-XIAN, US
[72] XU, XIAOMING, US
[72] DIACOVO, THOMAS, US
[71] THE TRUSTEES OF COLUMBIA UNIVERISTY IN THE CITY OF NEW YORK, US
[85] 2020-01-24
[86] 2018-07-31 (PCT/US2018/044659)
[87] (WO2019/028055)
[30] US (62/539,012) 2017-07-31

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[51] **Int.Cl. G08B 21/24 (2006.01) G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING BATTERY THEFT**
[54] **SYSTEMES ET PROCEDES POUR DETECTER UN VOL DE BATTERIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044239)
[87] (WO2019/023678)
[30] US (62/538,622) 2017-07-28
[30] US (62/659,929) 2018-04-19
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[13] A1
[51] **Int.Cl. G06Q 10/10 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **PROXIMITY ASSISTED SEAMLESS SERVICE (PASS)**
[54] **SERVICE CONTINU ASSISTE PAR PROXIMITE (PASS)**
[72] KAYHANI, NIOSHA, GB
[72] REYMANN, STEFFEN, GB
[72] SMITH, GAVIN, GB
[71] CUBIC CORPORATION, US
[85] 2020-01-24
[86] 2018-08-01 (PCT/US2018/044861)
[87] (WO2019/028170)
[30] US (62/539,979) 2017-08-01

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[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING CRANK HEALTH OF A BATTERY**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION DE LA SANTE AU DEMARRAGE D'UNE BATTERIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-24
[86] 2018-07-27 (PCT/US2018/044250)
[87] (WO2019/023687)
[30] US (62/538,622) 2017-07-28
[30] US (62/659,929) 2018-04-19
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[13] A1
[51] **Int.Cl. H04M 3/22 (2006.01) H04M 3/42 (2006.01) H04M 7/12 (2006.01)**
[25] EN
[54] **CALL OBSERVATION SYSTEM USING SIPREC**
[54] **SYSTEME D'OBSERVATION D'APPEL FAISANT APPEL A UN SIPREC**
[72] SMITH, GARETH DAVID, GB
[72] MOORE, KIERAN JOHN, GB
[72] WATTS, DAVID GARETH, GB
[72] SHAW, TERRANA JAMIE, GB
[72] BUSH, DAVID MARTIN, GB
[72] HOPKINS, KRISTIAN S., US
[71] CAFEX COMMUNICATIONS INC., US
[85] 2020-01-24
[86] 2018-08-02 (PCT/US2018/045019)
[87] (WO2019/028257)
[30] US (62/540,298) 2017-08-02
[30] US (16/052,350) 2018-08-01

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[51] **Int.Cl. G06F 3/14 (2006.01) G06Q 30/02 (2012.01) G09F 19/14 (2006.01)**
[25] EN
[54] **A STATIC DISPLAY AND METHOD FOR MANUFACTURING THE SAME**
[54] **AFFICHAGE STATIQUE ET PROCEDE DE FABRICATION ASSOCIE**
[72] MEHTA, VINAY K., IN
[71] MEHTA, VINAY K., IN
[85] 2020-01-24
[86] 2018-07-24 (PCT/IN2018/050483)
[87] (WO2019/021309)
[30] IN (201721026254) 2017-07-24

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[13] A1
[51] **Int.Cl. C11D 3/22 (2006.01) C11D 10/04 (2006.01) C11D 11/00 (2006.01) C11D 17/04 (2006.01) C11D 1/14 (2006.01) C11D 1/29 (2006.01)**
[25] EN
[54] **METHOD OF LAUNDERING FABRICS**
[54] **PROCEDE DE LAVAGE DU LINGE**
[72] BOUNIOL, AUDREY CLAIRE FRANCOISE, BE
[72] LINTULA, NEA JANETTE, BE
[72] BOUTIQUE, JEAN-POL, BE
[72] DEPOOT, KAREL JOZEF MARIA, BE
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-24
[86] 2018-08-07 (PCT/US2018/045518)
[87] (WO2019/032523)
[30] EP (17185932.5) 2017-08-11

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[51] **Int.Cl. F16L 37/088 (2006.01)**
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[54] **QUICK CONNECT WITH INDICATOR TAB**
[54] **RACCORD RAPIDE A LANGUETTE INDICATRICE**
[72] HAGEN, KRISTIAN, US
[72] HALL, THOMAS, US
[71] OETIKER NY, INC., US
[85] 2020-01-24
[86] 2018-08-07 (PCT/US2018/045590)
[87] (WO2019/036233)
[30] US (62/545,123) 2017-08-14

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[51] **Int.Cl. C12M 1/00 (2006.01) C12M 3/00 (2006.01) C12N 1/12 (2006.01)**
[25] EN
[54] **PHOTOSYNTHETIC BIOREACTOR FOR THE CONVERSION OF ELECTRICITY AND FERTILIZER INTO BIOMASS**
[54] **BIOREACTEUR PHOTOSYNTHETIQUE POUR LA CONVERSION D'ELECTRICITE ET D'ENGRAIS EN BIOMASSE**
[72] FLYNN, ADAM, US
[72] MOFFITT, JULIE, US
[71] FORELIGHT, INC., US
[85] 2020-01-24
[86] 2018-08-08 (PCT/US2018/045842)
[87] (WO2019/032725)
[30] US (62/542,544) 2017-08-08

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **LEAFLET FRAME ATTACHMENT FOR PROSTHETIC VALVES**
[54] **FIXATION DE CADRE DE FEUILLET POUR VALVES PROTHETIQUES**
[72] ARCARO, DAVID J., US
[72] PROBERT, STEPHEN M., US
[72] DIENNO, DUSTIN V., US
[72] HARTMAN, CODY L., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-01-24
[86] 2018-09-12 (PCT/US2018/050764)
[87] (WO2019/055577)
[30] US (62/557,586) 2017-09-12
[30] US (62/564,031) 2017-09-27
[30] US (16/129,651) 2018-09-12

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[51] **Int.Cl. C08L 23/10 (2006.01)**
[25] EN
[54] **POLYMER COMPOSITION WITH IMPROVED MECHANICAL PROPERTIES**
[54] **COMPOSITION POLYMERE DOTEE DE PROPRIETES MECANIQUES AMELIOREES**
[72] ROSKAMP, ROBERT, CH
[72] QUINZLER, DOROTHEE, CH
[72] HUBSCHER, PETER, CH
[72] Z'ROTZ, ROY, CH
[72] ACKERMANN, HERBERT, CH
[72] HOFFLIN, FRANK, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2020-01-27
[86] 2018-08-03 (PCT/EP2018/071111)
[87] (WO2019/025584)
[30] EP (17184798.1) 2017-08-03

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[13] A1
[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 31/5383 (2006.01) A61K 31/55 (2006.01)**
[25] EN
[54] **ORGANIC COMPOUNDS**
[54] **COMPOSES ORGANIQUES**
[72] LI, PENG, US
[72] ZHENG, HAILIN, US
[72] DAVIS, ROBERT, US
[72] MATES, SHARON, US
[72] VANOVER, KIMBERLY, US
[72] SNYDER, GRETCHEN, US
[71] INTRA-CELLULAR THERAPIES, INC., US
[85] 2020-01-24
[86] 2018-07-20 (PCT/US2018/043102)
[87] (WO2019/023063)
[30] US (62/537,292) 2017-07-26
[30] US (62/647,492) 2018-03-23

[21] **3,071,138**
[13] A1
[51] **Int.Cl. C03C 17/06 (2006.01) C03C 4/04 (2006.01) G02B 1/12 (2006.01) G02B 6/12 (2006.01) H01Q 1/38 (2006.01) H01Q 1/42 (2006.01) H01Q 3/26 (2006.01) H01Q 3/34 (2006.01) H01Q 21/28 (2006.01)**
[25] EN
[54] **LOW INSERTION LOSS RF TRANSMISSION LINE**
[54] **LIGNE DE TRANSMISSION RF A FAIBLE AFFAIBLISSEMENT D'INSERTION**
[72] POPOVICH, MARK, US
[72] FLEMMING, JEB H., US
[72] BULLINGTON, JEFF A., US
[71] 3D GLASS SOLUTIONS, INC., US
[85] 2020-01-24
[86] 2019-05-29 (PCT/US2019/034245)
[87] (WO2019/231947)
[30] US (62/677,537) 2018-05-29

[21] **3,071,139**
[13] A1
[51] **Int.Cl. A01F 15/07 (2006.01)**
[25] EN
[54] **A METHOD FOR OPERATING A ROUND BALER AND A ROUND BALER**
[54] **PROCEDE POUR FAIRE FONCTIONNER UNE PRESSE A BALLES RONDES ET PRESSE A BALLES RONDES**
[72] BAKER, TIM, GB
[72] VARLEY, SEAMUS, IE
[71] KVERNELAND GROUP RAVENNA S.R.L., IT
[85] 2020-01-27
[86] 2018-07-26 (PCT/EP2018/070294)
[87] (WO2019/038018)
[30] EP (17187076.9) 2017-08-21

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[13] A1
[51] **Int.Cl. C08J 9/00 (2006.01) B01D 39/08 (2006.01) B01D 71/64 (2006.01) C08L 53/00 (2006.01) C08L 87/00 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **POROUS MATERIALS FROM COMPLEX BLOCK COPOLYMER ARCHITECTURES**
[54] **MATERIAUX POREUX A PARTIR D'ARCHITECTURES DE COPOLYMERES SEQUENCES COMPLEXES**
[72] DORIN, RACHEL MIKA, US
[72] ROBBINS, SPENCER WILLIAM, US
[71] TERAPORE TECHNOLOGIES, INC., US
[85] 2020-01-24
[86] 2018-07-23 (PCT/US2018/043303)
[87] (WO2019/023135)
[30] US (62/536,835) 2017-07-25
[30] US (62/564,669) 2017-09-28
[30] US (62/625,633) 2018-02-02

[21] **3,071,141**
[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **OPERATING CONDITIONS INFORMATION SYSTEM FOR AN ENERGY STORAGE DEVICE**
[54] **SYSTEME D'INFORMATION DE CONDITIONS DE FONCTIONNEMENT POUR UN DISPOSITIF DE STOCKAGE D'ENERGIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-25
[86] 2018-07-27 (PCT/US2018/044174)
[87] (WO2019/023629)
[30] US (62/538,622) 2017-07-28
[30] US (62/660,157) 2018-04-19
[30] US (62/659,929) 2018-04-19
[30] US (62/679,648) 2018-06-01

[21] **3,071,142**
[13] A1
[51] **Int.Cl. A61B 6/00 (2006.01)**
[25] EN
[54] **CONVERGENT X-RAY IMAGING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE D'IMAGERIE PAR RAYONS X CONVERGENTS**
[72] BARTY, CHRISTOPHER P.J., US
[71] LAWRENCE LIVERMORE NATIONAL SECURITY, LLC, US
[85] 2020-01-24
[86] 2018-07-23 (PCT/US2018/043342)
[87] (WO2019/027712)
[30] US (62/539,452) 2017-07-31

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[13] A1
[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/64 (2006.01) C07D 213/52 (2006.01) C07D 231/18 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 407/12 (2006.01) C07D 407/14 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 471/08 (2006.01) C07D 487/04 (2006.01) C07D 491/048 (2006.01)**
[25] EN
[54] **NOVEL COMPOUNDS**
[54] **NOUVEAUX COMPOSES DE SULFONAMIDE CARBOXAMIDE**
[72] COOPER, MATTHEW, GB
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] VAN WILTENBURG, JIMMY, NL
[72] THOM, STEPHEN, GB
[72] ST-GALLAY, STEPHEN, GB
[72] SHANNON, JONATHAN, GB
[72] ALANINE, THOMAS, GB
[72] ONIONS, STUART, GB
[72] STRUTT, IAN, GB
[71] INFLAZOME LIMITED, IE
[85] 2020-01-27
[86] 2018-08-15 (PCT/EP2018/072111)
[87] (WO2019/034686)
[30] GB (1721726.6) 2017-12-22
[30] GB (1810983.5) 2018-07-04
[30] GB (1713082.4) 2017-08-15
[30] GB (1718563.8) 2017-11-09

[21] **3,071,144**
[13] A1
[51] **Int.Cl. G06Q 50/30 (2012.01) G01C 21/34 (2006.01)**
[25] EN
[54] **AN INTERACTIVE REAL TIME SYSTEM AND REAL TIME METHOD OF USE THEREOF IN CONVEYANCE INDUSTRY SEGMENTS**
[54] **SYSTEME INTERACTIF EN TEMPS REEL ET SON PROCEDE D'UTILISATION EN TEMPS REEL DANS DES BRANCHES DE L'INDUSTRIE DU TRANSPORT**
[72] DACOSTA, ALEXIS, US
[72] COLETTI, VINCE, US
[71] DACOSTA, ALEXIS, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043359)
[87] (WO2019/027715)
[30] US (62/539,706) 2017-08-01
[30] US (15/675,757) 2017-08-13
[30] US (15/680,439) 2017-08-18
[30] US (16/038,487) 2018-07-18

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[13] A1
[51] **Int.Cl. A61K 31/64 (2006.01) A61P 1/00 (2006.01) A61P 9/00 (2006.01) A61P 11/00 (2006.01) A61P 13/12 (2006.01) A61P 15/00 (2006.01) A61P 17/00 (2006.01) A61P 25/00 (2006.01) A61P 31/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **NOVEL SULFONAMIDE CARBOXAMIDE COMPOUNDS**
[54] **NOUVEAUX COMPOSES DE SULFONAMIDE CARBOXAMIDE**
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] VAN WILTENBURG, JIMMY, NL
[72] THOM, STEPHEN, GB
[72] ST-GALLAY, STEPHEN, GB
[72] SHANNON, JONATHAN, GB
[71] INFLAZOME LIMITED, IE
[85] 2020-01-27
[86] 2018-08-15 (PCT/EP2018/072133)
[87] (WO2019/034696)
[30] GB (1713083.2) 2017-08-15
[30] GB (1713082.4) 2017-08-15
[30] GB (1718561.2) 2017-11-09
[30] GB (1721726.6) 2017-12-22
[30] GB (1812225.9) 2018-07-26
[30] GB (1713079.0) 2017-08-15
[30] GB (1718564.6) 2017-11-09
[30] GB (1718563.8) 2017-11-09
[30] GB (1810983.5) 2018-07-04

[21] **3,071,146**
[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING A RESERVE TIME OF A MONOBLOC**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'UN TEMPS DE RESERVE D'UN MONOBLOC**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-25
[86] 2018-07-27 (PCT/US2018/044210)
[87] (WO2019/023656)
[30] US (62/659,929) 2018-04-19
[30] US (62/538,622) 2017-07-28
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/16 (2006.01) A61B 17/17 (2006.01)**
[25] EN
[54] **SELF-DRILLING ALL-SUTURE ANCHOR INSERTER**
[54] **DISPOSITIF D'INSERTION TOUTE-SUTURE AUTO-FOREUR**
[72] BRESLICH, GRADY, US
[72] BARBER, JAMES, US
[72] BOSWORTH, ADRIAN, US
[72] GLADDISH, BENNIE WAYNE, JR., US
[72] MILLER, PETER, US
[72] SIEH, JOHN K., US
[71] CONMED CORPORATION, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043446)
[87] (WO2019/023205)
[30] US (62/631,034) 2018-02-15
[30] US (62/536,208) 2017-07-24
[30] US (62/543,516) 2017-08-10
[30] US (62/572,369) 2017-10-13
[30] US (62/618,851) 2018-01-18

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[13] A1
[51] **Int.Cl. H01R 13/629 (2006.01)**
[25] EN
[54] **WIRELESS ENABLED MONOBLOC**
[54] **MONOBLOC ACTIVE SANS FIL**
[72] BURNS, STEVE, US
[72] SMITH, DOUG, US
[72] HARRILL, AUSTIN, US
[72] HOOKE, JOHN, US
[72] KROHN, ULF, US
[72] LINDKVIST, CHRISTER, US
[72] FLEMING, FRANK, US
[72] KARNER, DON, US
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-25
[86] 2018-07-27 (PCT/US2018/044232)
[87] (WO2019/023672)
[30] US (62/538,622) 2017-07-28
[30] US (62/599,958) 2017-12-18
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01
[30] US (16/046,727) 2018-07-26
[30] US (16/046,883) 2018-07-26
[30] US (16/046,671) 2018-07-26
[30] US (16/046,709) 2018-07-26
[30] US (16/046,747) 2018-07-26
[30] US (16/046,855) 2018-07-26
[30] US (16/046,687) 2018-07-26
[30] US (16/046,792) 2018-07-26
[30] US (16/046,737) 2018-07-26
[30] US (16/046,773) 2018-07-26
[30] US (16/046,791) 2018-07-26
[30] US (16/046,777) 2018-07-26
[30] US (62/659,929) 2018-04-19
[30] US (16/046,774) 2018-07-26
[30] US (16/046,811) 2018-07-26

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[13] A1
[51] **Int.Cl. C10M 169/02 (2006.01) C10M 145/36 (2006.01) C10M 159/20 (2006.01) C10M 159/24 (2006.01)**
[25] EN
[54] **EXTREME PRESSURE METAL SULFONATE GREASE**
[54] **GRAISSE DE SULFONATE METALLIQUE POUR PRESSIONS EXTREMES**
[72] PATEL, THAKORBHAI S., US
[72] ST. AUBIN, JEFFREY D., US
[71] CHEMTOOL INCORPORATED, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043467)
[87] (WO2019/023219)
[30] US (62/536,172) 2017-07-24

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[13] A1
[51] **Int.Cl. C07D 231/18 (2006.01) A61K 31/64 (2006.01) C07D 233/84 (2006.01) C07D 249/04 (2006.01) C07D 249/12 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/04 (2006.01) C07D 403/06 (2006.01) C07D 403/12 (2006.01) C07D 405/04 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 413/06 (2006.01) C07D 417/04 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **SULFONYLUREAS AND SULFONYLTHIOUREAS AS NLRP3 INHIBITORS**
[54] **SULFONYLUREES ET SULFONYLTHIOUREES EN TANT QU'INHIBITEURS DE NLRP3**
[72] COOPER, MATTHEW, GB
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] THOM, STEPHEN, GB
[72] ST-GALLAY, STEPHEN, GB
[72] SHANNON, JONATHAN, GB
[72] ALANINE, THOMAS, GB
[72] ONIONS, STUART, GB
[72] STRUTT, IAN, GB
[72] CARRILLO ARREGUI, JOKIN, GB
[71] INFLAZOME LIMITED, IE
[85] 2020-01-27
[86] 2018-08-15 (PCT/EP2018/072119)
[87] (WO2019/034690)
[30] GB (1713082.4) 2017-08-15
[30] GB (1718563.8) 2017-11-09
[30] GB (1721731.6) 2017-12-22
[30] GB (1721726.6) 2017-12-22
[30] GB (1810983.5) 2018-07-04

[21] **3,071,151**
[13] A1
[51] **Int.Cl. H01M 10/42 (2006.01) G01R 31/36 (2020.01) G08B 17/00 (2006.01) G08B 21/18 (2006.01) H01M 10/48 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING THERMAL RUNAWAY OF A BATTERY**
[54] **SYSTEMES ET PROCEDES POUR DETECTER UN EMBALLEMENT THERMIQUE D'UNE BATTERIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-25
[86] 2018-07-27 (PCT/US2018/044243)
[87] (WO2019/023681)
[30] US (62/538,622) 2017-07-28
[30] US (62/660,157) 2018-04-19
[30] US (62/659,929) 2018-04-19
[30] US (62/679,648) 2018-06-01

[21] **3,071,153**
[13] A1
[51] **Int.Cl. F41A 9/46 (2006.01) F41A 3/26 (2006.01) F41A 15/04 (2006.01) F41A 15/14 (2006.01)**
[25] EN
[54] **CARTRIDGE EXTRACTION FOR A CASED TELESCOPED AMMUNITION FIREARM**
[54] **EXTRACTION DE CARTOUCHE POUR UNE ARME A FEU A MUNITION TELESCOPIQUE A ETUI**
[72] SHIPLEY, PAUL ANDREW, US
[72] BRAND, CAMERON MEHDI, US
[72] AYOTTE, KEVIN MICHAEL, US
[72] RUCK, JOSHUA STEPHEN, US
[72] COLE, BENJAMIN TYLER, US
[72] HABIAK, GREGORY PAUL, US
[71] AAI CORPORATION, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043488)
[87] (WO2019/023232)
[30] US (62/536,445) 2017-07-24
[30] US (62/536,451) 2017-07-24
[30] US (62/536,448) 2017-07-24

[21] **3,071,154**
[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UTILIZING BATTERY OPERATING DATA**
[54] **SYSTEMES ET PROCEDES D'UTILISATION DE DONNEES DE FONCTIONNEMENT DE BATTERIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-25
[86] 2018-07-27 (PCT/US2018/044244)
[87] (WO2019/023682)
[30] US (62/538,622) 2017-07-28
[30] US (62/659,929) 2018-04-19
[30] US (62/660,157) 2018-04-19
[30] US (62/679,648) 2018-06-01

[21] **3,071,155**
[13] A1
[51] **Int.Cl. C07C 237/44 (2006.01)**
[25] EN
[54] **NOVEL CYSTOBACTAMIDE DERIVATIVES**
[54] **NOUVEAUX DERIVES DE CYSTOBACTAMIDES**
[72] TESTOLIN, GIAMBATTISTA, DE
[72] BRONSTRUP, MARK, DE
[72] PROCHNOW, HANS-PETER, DE
[72] HERRMANN, JENNIFER, DE
[72] MULLER, ROLF, DE
[71] HELMHOLTZ-ZENTRUM FUR INFEKTIONSFORSCHUNG GMBH, DE
[85] 2020-01-27
[86] 2018-08-23 (PCT/EP2018/072817)
[87] (WO2019/038405)
[30] EP (17187536.2) 2017-08-23

[21] **3,071,156**
[13] A1
[51] **Int.Cl. F41A 9/66 (2006.01) F41A 9/75 (2006.01)**
[25] EN
[54] **MAGAZINE FOR CASED TELESCOPED AMMUNITION CARTRIDGES WITH SIDE-WALLS HAVING CARTRIDGE ORIENTATION RIBS**
[54] **CHARGEUR POUR CARTOUCHES DE MUNITION TELESCOPIQUES A ETUI AVEC DES PAROIS LATERALES AYANT DES NERVURES D'ORIENTATION DE CARTOUCHE**
[72] SHIPLEY, PAUL ANDREW, US
[72] RUCK, JOSHUA STEPHEN, US
[72] COLE, BENJAMIN TYLER, US
[72] RECCHIA, BRANDON SCOTT, US
[72] BRAND, CAMERON MEHDI, US
[72] HABIAK, GREGORY PAUL, US
[71] AAI CORPORATION, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043533)
[87] (WO2019/023262)
[30] US (62/536,445) 2017-07-24
[30] US (62/536,448) 2017-07-24
[30] US (62/536,451) 2017-07-24

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[13] A1
[51] **Int.Cl. G01R 31/36 (2020.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UTILIZING BATTERY OPERATING DATA AND EXOGENOUS DATA**
[54] **SYSTEMES ET PROCEDES D'UTILISATION DE DONNEES DE FONCTIONNEMENT DE BATTERIE ET DE DONNEES EXOGENES**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
[85] 2020-01-25
[86] 2018-07-27 (PCT/US2018/044246)
[87] (WO2019/023684)
[30] US (62/538,622) 2017-07-28
[30] US (62/660,157) 2018-04-19
[30] US (62/659,929) 2018-04-19
[30] US (62/679,648) 2018-06-01

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[13] A1
[51] **Int.Cl. G06Q 50/02 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **BLEND CONTROL TRUCK ASSIGNMENT MONITORING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE D'ATTRIBUTION DE CAMION DE COMMANDE DE MELANGE**
[72] MOUNTFORD, GORDON W., AU
[72] WOOD, GREG M., AU
[72] BROCKHURST, RUSSELL, AU
[72] DOHERTY, THOMAS F., AU
[71] CATERPILLAR INC., US
[85] 2020-01-24
[86] 2018-07-09 (PCT/US2018/041187)
[87] (WO2019/022945)
[30] US (15/661,308) 2017-07-27

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[13] A1
[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/39 (2015.01) A61K 48/00 (2006.01)**
[25] EN
[54] **COLLAGEN ENCAPSULATION OF INSULIN-PRODUCING CELLS**
[54] **ENCAPSULATION DE COLLAGENE DE CELLULES PRODUISANT DE L'INSULINE**
[72] VOYTIK-HARBIN, SHERRY L., US
[72] STEPHENS, CLARISSA HERNANDEZ, US
[71] PURDUE RESEARCH FOUNDATION, US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043539)
[87] (WO2019/023266)
[30] US (62/536,535) 2017-07-25

[21] **3,071,160**
[13] A1
[51] **Int.Cl. G02B 5/20 (2006.01) F21K 2/06 (2006.01) G02B 1/04 (2006.01) G02B 5/22 (2006.01) G02B 5/28 (2006.01)**
[25] EN
[54] **THIN LAMINAR MATERIAL FOR PRODUCING SHORT WAVE INFRARED EMISSION**
[54] **MATERIAU LAMINAIRE MINCE POUR PRODUCTION D'EMISSION INFAROUGE A ONDES COURTES**
[72] PALMER, WILLIAM R., US
[72] PALMER, STEPHEN L., US
[71] CYALUME TECHNOLOGIES, INC., US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043544)
[87] (WO2019/023270)
[30] US (62/536,253) 2017-07-24
[30] US (62/536,258) 2017-07-24

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[13] A1
[51] **Int.Cl. G02B 5/20 (2006.01) F21K 2/06 (2006.01) G02B 1/04 (2006.01) G02B 5/22 (2006.01) G02B 5/28 (2006.01)**
[25] EN
[54] **LIGHT WEIGHT APPLIANCE TO BE USED WITH SMART DEVICES TO PRODUCE SHORTWAVE INFRARED EMISSION**
[54] **APPAREIL LEGER DESTINE A ETRE UTILISE AVEC DES DISPOSITIFS INTELLIGENTS POUR PRODUIRE UNE EMISSION INFAROUGE A ONDES COURTES**
[72] SCHMERLING, REUVEN, US
[72] PALMER, WILLIAM R., US
[72] PALMER, STEPHEN L., US
[71] CYALUME TECHNOLOGIES, INC., US
[85] 2020-01-24
[86] 2018-07-24 (PCT/US2018/043546)
[87] (WO2019/023271)
[30] US (62/536,253) 2017-07-24
[30] US (62/536,258) 2017-07-24

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[13] A1
[51] **Int.Cl. F41A 9/45 (2006.01) F41A 3/26 (2006.01) F41A 3/30 (2006.01) F41A 9/23 (2006.01) F41A 15/00 (2006.01) F41A 21/12 (2006.01) F41A 5/18 (2006.01) F42B 5/045 (2006.01)**
[25] EN
[54] **CASED TELESCOPED AMMUNITION FIREARM WITH TRANSLATING CHAMBER**
[54] **ARME A FEU A MUNITION TELESCOPEE A ETUI AVEC CHAMBRE DE DEPLACEMENT**
[72] SHIPLEY, PAUL ANDREW, US
[72] RUCK, JOSHUA STEPHEN, US
[72] HABIAK, GREGORY PAUL, US
[72] CHRIST, GEORGE RONALD, US
[72] RECCHIA, BRANDON SCOTT, US
[72] SIEMSEN, MARK ALLEN, US
[72] COLE, BENJAMIN TYLER, US
[72] AYOTTE, KEVIN MICHAEL, US
[71] AAI CORPORATION, US
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[30] US (62/536,445) 2017-07-24
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[54] **CASED TELESCOPED AMMUNITION FIREARM WITH HEADSPACE REDUCTION**
[54] **ARME A FEU A MUNITION TELESCOPIQUE TUBEE AVEC REDUCTION DE LA TOLERANCE**
[72] SHIPLEY, PAUL ANDREW, US
[72] HABIAK, GREGORY PAUL, US
[72] COLE, BENJAMIN TYLER, US
[72] RUCK, JOSHUA STEPHEN, US
[71] AAI CORPORATION, US
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[54] **SYSTEME DE RESTAURANT VIRTUEL**
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[72] CHASE, WILLIAM, US
[71] CHASE, ARNOLD, US
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[54] **METHOD AND DEVICE FOR RESETTING MEDIA ACCESS CONTROL LAYER**
[54] **PROCEDE ET DISPOSITIF DE REINITIALISATION DE COUCHE DE COMMANDE D'ACCES AU SUPPORT**
[72] ZHANG, CHONGMING, CN
[72] LIU, RENMAO, CN
[71] SHARP KABUSHIKI KAISHA, JP
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[54] **SYSTEMS AND METHODS USING ELECTRICAL RECEPTACLES FOR INTEGRATED POWER CONTROL, COMMUNICATION AND MONITORING**
[54] **SYSTEMES ET PROCEDES UTILISANT DES RECEPTACLES ELECTRIQUES POUR LA COMMANDE DE PUISSANCE, LA COMMUNICATION ET LA SURVEILLANCE INTEGREES**
[72] ERIKSEN, JOHN G.H., CA
[72] GAGNE, JEAN-GUY, CA
[72] FORTIN, BENOIT, CA
[72] PARDO, RENE, CA
[71] BRAINWAVE RESEARCH CORPORATION, CA
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[54] **METHOD OF ISOLATING NUCLEIC ACID**
[54] **PROCEDE D'ISOLEMENT D'ACIDE NUCLEIQUE**
[72] WEE, EUGENE J.H., SG
[72] ANDERSON, WILL, AU
[72] GREWAL, YADVEER SINGH, AU
[71] XING TECHNOLOGIES PTY LTD, AU
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[54] **CO-POLYMERE DE 1,2,5,6-NAPHTALENEDIIMIDE**
[72] NIELSEN, LAURA, US
[72] WOODY, KATHY, US
[72] EARMME, TAESHIK, KR
[71] PHILLIPS 66 COMPANY, US
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[54] **COMMUNICATION SYSTEM, COMMUNICATION CONTROL DEVICE, AND COMMUNICATION METHOD**
[54] **SYSTEME DE COMMUNICATION, DISPOSITIF DE COMMANDE DE COMMUNICATION ET PROCEDE DE COMMUNICATION**
[72] SHIMOJOU, TAKUYA, JP
[72] SAMA, MALLA REDDY, DE
[72] THAKOLSRI, SRISAKUL, DE
[71] NTT DOCOMO, INC., JP
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[54] **APPAREIL DE RADAR**
[72] KAGEME, SATOSHI, JP
[72] MANIWA, KAZUAKI, JP
[72] HARA, TERUYUKI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[54] **PASTILLES DE CHOLESTYRAMINE, FORMULATIONS ORALES DE CHOLESTYRAMINE ET LEUR UTILISATION**
[72] GILLBERG, PER-GORAN, SE
[72] GUSTAFSSON, NILS OVE, SE
[72] LOVGREN, KURT, SE
[71] ALBIREO AB, SE
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[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] KRAPTCHETOV, DMITRI A., US
[72] LIMBACH, KIRK W., US
[72] HICKMAN, DANIEL A., US
[72] HEITSCH, ANDREW, US
[72] SUSSMAN, VICTOR J., US
[72] LEE, WEN-SHENG, US
[72] SHAYIB, RAMZY, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] LIMBACH, KIRK W., US
[72] KRAPTCHETOV, DMITRI A., US
[72] HICKMAN, DANIEL A., US
[72] HERRON, JEFFREY, US
[71] ROHM AND HAAS COMPANY, US
[71] THE DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
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[54] **METHOD FOR PREPARATION OF HETEROGENEOUS CATALYSTS**
[54] **PROCEDE DE PREPARATION DE CATALYSEURS HETEROGENES**
[72] SUSSMAN, VICTOR J., US
[72] LEE, WEN-SHENG, US
[72] HERRON, JEFFREY, US
[72] BLAYLOCK, D. WAYNE, US
[72] ARRIOLA, DANIEL J., US
[72] HEITSCH, ANDREW, US
[72] KIRILIN, ALEXEY, NL
[72] CLEMENTS, HEIDI, US
[72] SCHMUCKER, ABRIN L., US
[72] HICKMAN, DANIEL A., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[25] EN
[54] **PROSTHESIS SYSTEM AND METHOD FOR CHECKING THE FUNCTIONALITY OF A PROSTHESIS SYSTEM**
[54] **SYSTEME DE PROTHESE ET PROCEDE POUR VERIFIER LE BON FONCTIONNEMENT D'UN SYSTEME DE PROTHESE**
[72] AMSUSS, SEBASTIAN, AT
[72] GMEINER, BENJAMIN, AT
[72] SCHOBESBERGER, MATTHIAS, AT
[71] OTTO BOCK HEALTHCARE PRODUCTS GMBH, AT
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[25] EN
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[54] **ETIQUETTES DE SECURITE POUR CONTENEURS D'EXPEDITION**
[72] GRIESEDIECK, EDWARD J., US
[72] BELEW, MARK E., US
[71] MARKED VENTURES, LLC, US
[85] 2020-01-17
[86] 2018-07-20 (PCT/US2018/043031)
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[51] **Int.Cl. E21B 33/129 (2006.01) E21B 17/10 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **MANDREL SUPPORTED FLEXIBLE SUPPORT RING ASSEMBLY**
[54] **ENSEMBLE BAGUE DE SUPPORT FLEXIBLE SUPPORTE PAR UN MANDRIN**
[72] ZHAO, LEI, US
[72] XU, ZHIYUE, US
[72] HE, ZHI YONG, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-24
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[51] **Int.Cl. A61K 31/715 (2006.01) A61K 38/00 (2006.01) A61K 38/16 (2006.01)**
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[54] **SPENT TURMERIC - METHODS AND COMPOSITIONS THEREOF**
[54] **RESIDUS DE CURCUMA - PROCEDES ET COMPOSITIONS DE CEUX-CI**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] SANKARAN, NATARAJAN, IN
[72] BHAT, BEENA, IN
[71] SAMI LABS LIMITED, IN
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[51] **Int.Cl. F23G 1/00 (2006.01) A61G 17/00 (2006.01) A61G 17/04 (2006.01) A61G 17/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR RECOMPOSITION OF THE DEAD**
[54] **SYSTEME ET PROCEDE DE RECOMPOSITION D'UN CADAVRE**
[72] BERNSTEIN, OREN, US
[72] SPADE, KATRINA, US
[71] RECOMPOSE, PBC, US
[85] 2020-01-24
[86] 2018-07-25 (PCT/US2018/043691)
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[30] US (62/536,958) 2017-07-25

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[25] EN
[54] **MODIFIED-RELEASE BUCILLAMINE COMPOSITIONS, KITS, AND METHODS FOR TREATING CYSTINURIA, ARTHRITIS, GOUT, AND RELATED DISORDERS**
[54] **COMPOSITIONS DE BUCILLAMINE A LIBERATION MODIFIEE, KITS ET METHODES POUR TRAITER LA CYSTINURIE, L'ARTHRITE, LA GOUTTE ET AUTRES TROUBLES APPARENTES**
[72] REICHENBERGER, PATRICK, US
[72] ZYKOVICH, ARTEM, US
[72] RICHTER, WOLFGANG, DE
[71] ALTIBIO, INC., US
[85] 2020-01-24
[86] 2018-07-25 (PCT/US2018/043698)
[87] (WO2019/023346)
[30] US (62/536,771) 2017-07-25

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[51] **Int.Cl. C07K 16/28 (2006.01)**
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[54] **ANTI-SIRP-ALPHA ANTIBODIES AND RELATED METHODS**
[54] **ANTICORPS ANTI-SIRP-ALPHA ET METHODES ASSOCIEES**
[72] LIU, JIE, US
[72] VOLKMER, JENS-PETER, US
[71] FORTY SEVEN, INC., US
[85] 2020-01-24
[86] 2018-07-25 (PCT/US2018/043699)
[87] (WO2019/023347)
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[51] **Int.Cl. C22B 3/06 (2006.01) C22B 1/11 (2006.01) C22B 23/00 (2006.01)**
[25] EN
[54] **RECOVERY OF METALS FROM PYRITE**
[54] **RECUPERATION DE METAUX A PARTIR DE PYRITE**
[72] TONG, ANDREW ROBERT, AU
[71] COBALT BLUE HOLDINGS LTD, AU
[85] 2020-01-27
[86] 2018-08-06 (PCT/AU2018/050817)
[87] (WO2019/028497)
[30] AU (2017903136) 2017-08-08

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[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **MECHANICAL SUTURING DEVICE FOR AUTOMATED CLOSURE OF THE LINEA ALBA OF THE ABDOMINAL WALL POST MIDLINE LAPAROTOMY INCISION**
[54] **DISPOSITIF DE SUTURE MECANIQUE POUR FERMETURE AUTOMATISEE DE LA LINEA ALBA DE LA PAROI ABDOMINALE APRES INCISION PAR LAPAROTOMIE MEDIANE**
[72] ABDALLA, RICARDO, BR
[72] OZAWA, HELIO, BR
[71] HOSPITAL DAS CLINICAS DA FACULDADE DE MEDICINA DA UNIVERSIDADE DE SAO ULO-HCFMUSP, BR
[85] 2020-01-27
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[87] (WO2019/018907)
[30] BR (BR 10 2017 016192-7) 2017-07-28

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[54] **ROCKET LAUNCH MODEL AND ROCKET LAUNCH VEHICLE**
[54] **MODULE DE LANCEMENT DE FUSEES ET VEHICULE DE LANCEMENT DE FUSEES**
[72] JEANNOT, SIMON PIERRE, BR
[71] MAC JEE INDUSTRIA DE DEFESA LTDA., BR
[85] 2020-01-27
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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 7/00 (2006.01)**
[25] EN
[54] **DATA QUALITY CATEGORIZATION AND UTILIZATION SYSTEM, DEVICE, METHOD, AND COMPUTER-READABLE MEDIUM**
[54] **SYSTEME DE CATEGORISATION ET D'UTILISATION DE LA QUALITE DE DONNEES, DISPOSITIF, PROCEDE ET SUPPORT LISIBLE PAR ORDINATEUR**
[72] QANDIL, BAYAN, CA
[71] FIO CORPORATION, CA
[85] 2020-01-27
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[30] US (62/367,035) 2016-07-26

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[25] EN
[54] **CONCRETE BLOCK SYSTEM, METHOD AND CONNECTOR**
[54] **SYSTEME, PROCEDE ET CONNECTEUR DE BLOCS DE BETON**
[72] LACAS, MARC-ANDRE, CA
[72] REMILLARD, JOEL, CA
[72] CASTONGUAY, BERTIN, CA
[72] DECLOS, ROBERT, CA
[71] OLDCASTLE BUILDING PRODUCTS CANADA INC., CA
[85] 2020-01-27
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[30] US (62/542,997) 2017-08-09

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[51] **Int.Cl. C08F 212/08 (2006.01) C08F 2/26 (2006.01) C08F 230/08 (2006.01) D21H 19/58 (2006.01)**
[25] EN
[54] **AQUEOUS POLYMER DISPERSION**
[54] **DISPERSION POLYMERE AQUEUSE**
[72] LIN, DAOSHU, CN
[72] XU, JIANMING, CN
[72] LIU, HUI, CN
[72] LAN, YUNFEI, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-27
[86] 2017-07-31 (PCT/CN2017/095160)
[87] (WO2019/023844)

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF MULTI-DRUG RESISTANT TUMORS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE TUMEURS PRESENTANT UNE RESISTANCE MULTIPLE AUX MEDICAMENTS**
[72] HUANG, YIJUN, CN
[72] LIU, DANYANG, CN
[72] PAN, JUNCHENG, CN
[72] HU, YANG, CN
[72] ZHU, ZHU, CN
[71] SUN YAT-SEN UNIVERSITY, CN
[85] 2020-01-27
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[51] **Int.Cl. F27B 21/06 (2006.01) F27D 99/00 (2010.01) F27D 3/12 (2006.01)**
[25] EN
[54] **FACILITY FOR LONGITUDINAL SEALING UP WIND BOXES IN TRAVELLING GRATE FACILITIES**
[54] **INSTALLATION D'ETANCHEITE LONGITUDINALE DE BOITES A VENT DANS DES INSTALLATIONS A GRILLES ROULANTES**
[72] SALAGUNDI, BASAVAN GOUD, DE
[72] ATHAYDE, MAYCON, DE
[71] OUTOTEC (FINLAND) OY, FI
[85] 2020-01-27
[86] 2017-08-03 (PCT/EP2017/069662)
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[51] **Int.Cl. C07C 319/20 (2006.01) C07C 47/56 (2006.01) C07C 51/367 (2006.01) C07C 59/74 (2006.01) C07C 323/22 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF ELAFIBRANOR AND NOVEL SYNTHESIS INTERMEDIATES**
[54] **PROCEDE DE PREPARATION D'ELAFIBRANOR ET DE NOUVEAUX INTERMEDIAIRES DE SYNTHESE**
[72] SEBESTA, PETR, CZ
[72] STOHANDL, JIRI, CZ
[72] FERRANDO, ILARIA, CH
[71] ADVITECH ADVISORY AND TECHNOLOGIES SA, CH
[85] 2020-01-27
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[51] **Int.Cl. G01H 9/00 (2006.01) G01D 5/26 (2006.01) G01V 1/18 (2006.01) G02B 6/02 (2006.01) G02F 1/225 (2006.01)**
[25] FR
[54] **DISPOSITIF DE COMPENSATION EN TEMPERATURE ET TRANSPONDEUR ELECTRO-OPTIQUE METTANT EN OEUVRE UN TEL DISPOSITIF**
[54] **TEMPERATURE-COMPENSATING DEVICE AND ELECTRO-OPTIC TRANSPONDER IMPLEMENTING SUCH A DEVICE**
[72] LAUNAY, FRANCOIS - XAVIER, FR
[72] LARDAT, RAPHAEL, FR
[72] ROUX, GERARD, FR
[72] OUBAICHE, CHRISTOPHE, FR
[72] BARREAU, ROMAIN, FR
[72] PASTUREAUD, THOMAS, FR
[71] THALES, FR
[85] 2020-01-27
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[87] (WO2019/020604)
[30] FR (17/00797) 2017-07-27

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[51] **Int.Cl. G01N 9/16 (2006.01) G01N 9/26 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEM FOR MEASURING DENSITY OF FRESH CONCRETE**
[54] **PROCEDES ET SYSTEME DE MESURE DE DENSITE DE BETON FRAIS**
[72] BEAUPRE, DENIS, CA
[71] COMMAND ALKON INCORPORATED, US
[85] 2020-01-27
[86] 2018-07-24 (PCT/EP2018/070031)
[87] (WO2019/020621)
[30] US (62/538,241) 2017-07-28

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[51] **Int.Cl. E04B 1/41 (2006.01) E04B 1/48 (2006.01) E04B 1/76 (2006.01) E04C 2/288 (2006.01) E04C 5/18 (2006.01)**
[25] EN
[54] **A FIXING**
[54] **FIXATION**
[72] WALSH, CONOR, IE
[71] WATERFORD INSTITUTE OF TECHNOLOGY, IE
[85] 2020-01-27
[86] 2018-07-25 (PCT/EP2018/070181)
[87] (WO2019/020695)
[30] GB (1711987.6) 2017-07-25

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[51] **Int.Cl. A47F 5/00 (2006.01) G06Q 10/08 (2012.01) A47B 96/02 (2006.01) A47F 10/02 (2006.01)**
[25] EN
[54] **STORAGE INSERT FOR A STORAGE DEVICE HAVING A SENSOR RAIL THAT IS ATTACHABLE AT A LOWER SIDE FOR OPTICALLY REGISTERING STORAGE GOODS THAT IS STORABLE AT AN UPPER SIDE**
[54] **PALIER POUR DISPOSITIF DE STOCKAGE AVEC UNE BARRE DE CAPTEURS POUVANT ETRE DISPOSEE SUR LA FACE INFERIEURE POUR LA DETECTION OPTIQUE D'ARTICLES A STOCKER SUR LA FACE SUPERIEURE**
[72] HOHL, WOLFGANG, DE
[72] STARKE, JOHANNES, DE
[72] KOCH, SIMON, DE
[71] WURTH INTERNATIONAL AG, CH
[85] 2020-01-27
[86] 2018-07-26 (PCT/EP2018/070281)
[87] (WO2019/020743)
[30] DE (10 2017 117 177.0) 2017-07-28

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[13] A1
[51] **Int.Cl. A01F 15/07 (2006.01)**
[25] EN
[54] **A METHOD FOR OPERATING A ROUND BALER AND A ROUND BALER**
[54] **PROCEDE POUR FAIRE FONCTIONNER UNE PRESSE A BALLES RONDES, ET PRESSE A BALLES RONDES**
[72] VARLEY, SEAMUS, IE
[72] BAKER, TIM, GB
[71] KVERNELAND GROUP RAVENNA S.R.L., IT
[85] 2020-01-27
[86] 2018-07-26 (PCT/EP2018/070292)
[87] (WO2019/038017)
[30] EP (17187076.9) 2017-08-21

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[13] A1
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 21/038 (2013.01) H04S 3/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR ENCODING OR DECODING AN ENCODED MULTICHANNEL SIGNAL USING A FILLING SIGNAL GENERATED BY A BROAD BAND FILTER**
[54] **APPAREIL POUR CODER OU DECODER UN SIGNAL MULTICANAL CODE A L'AIDE D'UN SIGNAL DE REMPLISSAGE GENERE PAR UN FILTRE A LARGE BANDE**
[72] BUTHE, JAN, DE
[72] REUTELHUBER, FRANZ, DE
[72] DISCH, SASCHA, DE
[72] FUCHS, GUILLAUME, DE
[72] MULTRUS, MARKUS, DE
[72] GEIGER, RALF, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-01-27
[86] 2018-07-26 (PCT/EP2018/070326)
[87] (WO2019/020757)
[30] EP (17183841.0) 2017-07-28

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[51] **Int.Cl. C11B 1/10 (2006.01) A23L 27/10 (2016.01) A23L 33/105 (2016.01) A23L 33/115 (2016.01) B01D 11/02 (2006.01)**
[25] EN
[54] **METHODS OF EXTRACTING NUTRITIONALLY VALUABLE OR BIOLOGICALLY ACTIVE COMPONENTS USING ANIMAL PRODUCTS AND EXTRACTS OBTAINED BY THE SAME**
[54] **PROCEDES D'EXTRACTION DE CONSTITUANTS VALORISABLES NUTRITIONNELLEMENT OU BIOLOGIQUEMENT ACTIFS A L'AIDE DE PRODUITS D'ORIGINE ANIMALE ET EXTRAITS OBTENUS AU MOYEN DE CEUX-CI**
[72] LAUX, ROLAND, CH
[72] HUHN, TILO, CH
[71] ZURCHER HOCHSCHULE FUR ANGEWANDTE WISSENSCHAFTEN, CH
[71] UNICO-FIRST AG, CH
[85] 2020-01-27
[86] 2018-07-30 (PCT/EP2018/070591)
[87] (WO2019/020834)
[30] EP (17001306.4) 2017-07-28

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[13] A1
[51] **Int.Cl. A23L 27/30 (2016.01) A23L 29/30 (2016.01)**
[25] EN
[54] **AN ISOMALTULOSE BASED SWEETENER**
[54] **EDULCORANT A BASE D'ISOMALTULOSE**
[72] HAAS, THOMAS, DE
[72] HULLER, THOMAS, DE
[72] RIMBACH, MICHAEL, DE
[72] WOLTER, JAN, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-01-27
[86] 2018-08-01 (PCT/EP2018/070865)
[87] (WO2019/025487)
[30] EP (17184484.8) 2017-08-02

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **BINDING AGENTS BINDING TO PD-L1 AND CD137 AND USE THEREOF**
[54] **AGENTS DE LIAISON SE LIANT A PD-L1 ET CD137 ET LEUR UTILISATION**
[72] ALTINTAS, ISIL, NL
[72] SATIJN, DAVID, NL
[72] RADEMAKER, RIK, NL
[72] PARREN, PAUL, NL
[72] SAHIN, UGUR, DE
[72] GIESEKE, FRIEDERIKE, DE
[72] MUIK, ALEXANDER, DE
[72] GRUNWITZ, CHRISTIAN, DE
[71] GENMAB A/S, DK
[71] BIONTECH SE, DE
[85] 2020-01-27
[86] 2018-08-02 (PCT/EP2018/071002)
[87] (WO2019/025545)
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[51] **Int.Cl. C07K 16/00 (2006.01) A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ANTHRACYCLINE-BASED ANTIBODY DRUG CONJUGATES HAVING HIGH IN VIVO TOLERABILITY**
[54] **CONJUGUES ANTICORPS-MEDICAMENT A BASE D'ANTHRACYCLINE AYANT UNE TOLERABILITE IN VIVO ELEVEE**
[72] GRAWUNDER, ULF, CH
[72] BEERLI, ROGER, CH
[72] GEBLEUX, REMY, CH
[71] NBE-THERAPEUTICS AG, CH
[85] 2020-01-27
[86] 2018-08-07 (PCT/EP2018/071389)
[87] (WO2019/030223)
[30] EP (17185107.4) 2017-08-07

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01) H04W 76/28 (2018.01)**
[25] EN
[54] **BANDWIDTH PART ADAPTATION IN DOWNLINK COMMUNICATIONS**
[54] **ADAPTATION DE PARTIE DE LARGEUR DE BANDE DANS DES COMMUNICATIONS DE LIAISON DESCENDANTE**
[72] KUANG, QUAN, DE
[72] SUZUKI, HIDETOSHI, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2020-01-27
[86] 2018-08-09 (PCT/EP2018/071653)
[87] (WO2019/030335)
[30] EP (17186074.5) 2017-08-11

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[13] A1
[51] **Int.Cl. B65G 23/08 (2006.01)**
[25] EN
[54] **HYBRID LID**
[54] **COUVERCLE HYBRIDE**
[72] SCHUMACHER, JURGEN, CH
[71] INTERROLL HOLDING AG, CH
[85] 2020-01-27
[86] 2018-08-14 (PCT/EP2018/071969)
[87] (WO2019/034629)
[30] DE (10 2017 118 817.7) 2017-08-17

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[13] A1
[51] **Int.Cl. F03D 80/30 (2016.01)**
[25] EN
[54] **WIND TURBINE ROTOR BLADE AND LIGHTNING PROTECTION SYSTEM FOR A WIND TURBINE ROTOR BLADE**
[54] **PALE DE ROTOR D'EOLIENNE ET SYSTEME PARATONNERRE POUR UNE PALE DE ROTOR D'EOLIENNE**
[72] VINKE, DANIEL, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-01-27
[86] 2018-08-20 (PCT/EP2018/072415)
[87] (WO2019/038223)
[30] DE (10 2017 119 484.3) 2017-08-25

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[13] A1
[51] **Int.Cl. A01M 1/06 (2006.01)**
[25] EN
[54] **INSECT TRAP AND METHOD FOR ATTRACTING AND/OR CAPTURING FLYING INSECTS**
[54] **PIECE A INSECTES ET PROCEDE PERMETTANT D'ATTIRER ET/OU DE CAPTURER DES INSECTES VOLANT**
[72] GEIER, MARTIN, DE
[71] BIOGENTS AG, DE
[85] 2020-01-27
[86] 2018-08-22 (PCT/EP2018/072651)
[87] (WO2019/042839)
[30] DE (10 2017 120 212.9) 2017-09-01

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[51] **Int.Cl. A61K 35/17 (2015.01) A61K 35/28 (2015.01) A61K 38/17 (2006.01) A61K 38/48 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HSP70 BASED COMBINATION THERAPY**
[54] **POLYTHERAPIE A BASE DE HSP70**
[72] MULTHOFF, GABRIELE, DE
[71] MULTIMMUNE GMBH, DE
[85] 2020-01-27
[86] 2018-08-31 (PCT/EP2018/073496)
[87] (WO2019/043170)
[30] EP (17188848.0) 2017-08-31

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[13] A1
[51] **Int.Cl. B23B 29/04 (2006.01)**
[25] EN
[54] **CUTTING TOOL PART ASSEMBLY**
[54] **ENSEMBLE DE PARTIES D'OUTIL DE COUPE**
[72] FLOTTORP, KAJA MARIE, NO
[72] HOVTUN, REIDAR, NO
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2020-01-27
[86] 2018-09-04 (PCT/EP2018/073732)
[87] (WO2019/052855)
[30] EP (17191429.4) 2017-09-15

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **NON-INVASIVE DIAGNOSTIC OF NON-ALCOHOLIC FATTY LIVER DISEASES, NON-ALCOHOLIC STEATOHEPATITIS AND/OR LIVER FIBROSIS**
[54] **DIAGNOSTIC NON INVASIF DE MALADIES DU FOIE GRAS NON ALCOOLIQUES, DE LA STEATOHEPATITE NON ALCOOLIQUE ET/OU DE LA FIBROSE HEPATIQUE**
[72] HANF, REMY, FR
[72] CORDONNIER, GENEVIEVE, FR
[72] BROZEK, JOHN, FR
[71] GENFIT, FR
[85] 2020-01-27
[86] 2018-09-14 (PCT/EP2018/074975)
[87] (WO2019/053233)
[30] EP (17306201.9) 2017-09-18

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[13] A1
[51] **Int.Cl. B65D 5/56 (2006.01) B29C 51/02 (2006.01) B29C 51/14 (2006.01) B65D 5/32 (2006.01) B29C 51/04 (2006.01) B29C 51/10 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **COMPLEX MADE UP OF FLAT SHEETS, METHOD FOR OBTAINING SAID COMPLEX, METHOD FOR MANUFACTURING A PACKAGE, AND METHOD FOR PACKAGING AN ITEM**
[54] **COMPLEXE DE FEUILLES PLANES, PROCEDE D'OBTENTION DUDIT COMPLEXE, PROCEDE DE FABRICATION D'UN EMBALLAGE ET PROCEDE D'EMBALLAGE D'UN OBJET**
[72] ENGUIX NICOLAS, CARLOS, ES
[72] ZOMENO ALCALA, PEDRO, ES
[72] ALBORCH PUCHOL, MIGUEL RAFAEL, ES
[72] GARCIA REVERTER, JOSE, ES
[72] BLASCO PIQUER, MIGUEL, ES
[72] SUBIRATS HUERTA, SEBASTIAN, ES
[71] AINIA, ES
[85] 2020-01-27
[86] 2018-07-27 (PCT/ES2018/070536)
[87] (WO2019/020863)
[30] ES (P201730989) 2017-07-28

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[13] A1
[51] **Int.Cl. E03C 1/04 (2006.01) E03C 1/05 (2006.01) G05D 23/13 (2006.01)**
[25] EN
[54] **WATER TAP OR VALVE ASSEMBLY AND METHOD OF USE THEREOF**
[54] **ROBINET OU ENSEMBLE ROBINET A EAU ET SON PROCEDE D'UTILISATION**
[72] CASEY, JAMES, GB
[71] CASSELLLIE LTD, GB
[85] 2020-01-27
[86] 2017-11-08 (PCT/GB2017/053356)
[87] (WO2018/087536)
[30] GB (1619211.4) 2016-11-14

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[13] A1
[51] **Int.Cl. B29C 73/02 (2006.01) B29C 35/08 (2006.01) B32B 17/10 (2006.01)**
[25] EN
[54] **CURING REPAIR RESIN**
[54] **RESINE DE REPARATION DURCISSABLE**
[72] SYFKO, PAUL, GB
[71] BELRON INTERNATIONAL LIMITED, GB
[85] 2020-01-27
[86] 2018-09-25 (PCT/GB2018/052719)
[87] (WO2019/063986)
[30] GB (1715588.8) 2017-09-26
[30] GB (1717463.2) 2017-10-24

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[13] A1
[51] **Int.Cl. A63G 31/00 (2006.01)**
[25] EN
[54] **FREE FALL SIMULATOR COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT DE SIMULATEUR DE CHUTE LIBRE**
[72] MARSIK, TOMAS, CZ
[71] STROJIRNA LITVINOV SPOL. S.R.O., CZ
[85] 2020-01-27
[86] 2018-07-26 (PCT/IB2018/000882)
[87] (WO2019/021056)
[30] CZ (PV 2017-433) 2017-07-28

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 30/00 (2012.01) H04M 3/523 (2006.01)**
[25] EN
[54] **TECHNIQUES FOR DATA MATCHING IN A CONTACT CENTER SYSTEM**
[54] **TECHNIQUES DE MISE EN CORRESPONDANCE DE DONNEES DANS UN SYSTEME DE CENTRE D'APPELS**
[72] CHISHTI, ZIA, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2020-01-27
[86] 2018-07-18 (PCT/IB2018/000900)
[87] (WO2019/106420)
[30] US (15/826,093) 2017-11-29

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[13] A1
[51] **Int.Cl. G06F 9/445 (2018.01) G06F 9/448 (2018.01)**
[25] EN
[54] **APPARATUSES, METHODS AND SYSTEMS FOR PERSISTING VALUES IN A COMPUTING ENVIRONMENT**
[54] **APPAREILS, PROCEDES ET SYSTEMES DE VALEURS PERSISTANTES DANS UN ENVIRONNEMENT INFORMATIQUE**
[72] KOHN, DAVID, US
[71] FINANCIAL & RISK ORGANISATION LIMITED, GB
[85] 2020-01-27
[86] 2018-08-07 (PCT/IB2018/001036)
[87] (WO2019/038590)
[30] US (15/683,330) 2017-08-22

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61P 33/06 (2006.01) C07D 213/73 (2006.01)**
[25] EN
[54] **A PROCESS FOR PREPARATION OF TRIAMINOPYRIMIDINE COMPOUND AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE PREPARATION DE COMPOSE DE TRIAMINOPYRIMIDINE ET DE SES INTERMEDIAIRES**
[72] SINGH, KUMAR KAMLESH, IN
[72] SINGH, NIKHIL AMAR, IN
[72] CHARAN, GANAPATDAN SHIMBHU, IN
[72] SHAH, NIMESHKUMAR MUKESHKUMAR, IN
[72] NARODE, SUNIL DNYANESHWAR, IN
[72] VACHHANI, DIPAKKUMAR DHANJIBHAI, IN
[72] PATIL, AMOL KASHINATH, IN
[72] KHAIRNAR, SANDIP PUNDLIK, IN
[71] CADILA HEALTHCARE LIMITED, IN
[85] 2020-01-27
[86] 2018-09-04 (PCT/IB2018/056732)
[87] (WO2019/049021)
[30] IN (201721031453) 2017-09-05
[30] IN (201721034342) 2017-09-27

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[13] A1
[51] **Int.Cl. G01C 21/28 (2006.01) G08G 1/09 (2006.01) G08G 1/123 (2006.01)**
[25] EN
[54] **SELF-POSITION CORRECTION METHOD AND SELF-POSITION CORRECTION DEVICE FOR DRIVE-ASSISTED VEHICLE**
[54] **DISPOSITIF DE CORRECTION D'AUTO-LOCALISATION ET PROCEDE DE CORRECTION D'AUTO-LOCALISATION D'UN VEHICULE A CONDUITE ASSISTEE**
[72] NOJIRI, TAKAHIRO, JP
[72] SHINO, TATSUYA, JP
[72] DEGAWA, KATSUHIKO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-27
[86] 2017-07-27 (PCT/JP2017/027257)
[87] (WO2019/021421)

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[51] **Int.Cl. G08G 1/16 (2006.01) G01C 21/26 (2006.01)**
[25] EN
[54] **RIGHT-LEFT TURN DETERMINATION METHOD AND RIGHT-LEFT TURN DETERMINATION DEVICE FOR DRIVE-ASSISTED VEHICLE**
[54] **DISPOSITIF DE DETERMINATION DE VIRAGE A DROITE-GAUCHE ET PROCEDE DE DETERMINATION DE VIRAGE A DROITE-GAUCHE DESTINES A UN VEHICULE D'ASSISTANCE A LA CONDUITE**
[72] NOJIRI, TAKAHIRO, JP
[72] SHINO, TATSUYA, JP
[72] DEGAWA, KATSUHIKO, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-27
[86] 2017-07-27 (PCT/JP2017/027258)
[87] (WO2019/021422)

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[13] A1
[51] **Int.Cl. H02P 29/68 (2016.01) H02M 1/00 (2007.10) H05K 7/20 (2006.01)**
[25] EN
[54] **DEVICE PROTECTION APPARATUS AND DEVICE PROTECTION METHOD**
[54] **DISPOSITIF ET PROCEDE DE PROTECTION D'APPAREIL**
[72] KAWAGUCHI, SHINJI, JP
[72] NAMIKI, KAZUSHIGE, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-27
[86] 2017-07-28 (PCT/JP2017/027499)
[87] (WO2019/021469)

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[13] A1
[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **IMAGE FORMING APPARATUS AND IMAGE FORMING SYSTEM**
[54] **APPAREIL DE FORMATION D'IMAGE ET SYSTEME DE FORMATION D'IMAGE**
[72] KOBAYASHI, AKIHITO, JP
[72] ISHIBE, AKINARI, JP
[72] TANABE, YUMA, JP
[72] HAYASHI, MASAHIRO, JP
[72] SATO, MASATAKE, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2020-01-27
[86] 2017-07-31 (PCT/JP2017/027586)
[87] (WO2019/026096)

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[13] A1
[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **IMAGE FORMING APPARATUS AND IMAGE FORMING SYSTEM**
[54] **APPAREIL ET SYSTEME DE FORMATION D'IMAGE**
[72] KOBAYASHI, AKIHITO, JP
[72] ISHIBE, AKINARI, JP
[72] TANABE, YUMA, JP
[72] HAYASHI, MASAHIRO, JP
[72] SATO, MASATAKE, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2020-01-27
[86] 2017-07-31 (PCT/JP2017/027619)
[87] (WO2019/026101)

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[13] A1
[51] **Int.Cl. B41J 2/175 (2006.01)**
[25] EN
[54] **LIQUID CONSUMPTION APPARATUS AND LIQUID CONSUMPTION SYSTEM**
[54] **APPAREIL ET SYSTEME A CONSOMMATION DE LIQUIDE**
[72] KOBAYASHI, AKIHITO, JP
[72] ISHIBE, AKINARI, JP
[72] TANABE, YUMA, JP
[72] HAYASHI, MASAHIRO, JP
[72] SATO, MASATAKE, JP
[72] OSAKABE, YOSHINORI, JP
[72] TAKAHASHI, HIROAKI, JP
[71] BROTHER KOGYO KABUSHIKI KAISHA, JP
[85] 2020-01-27
[86] 2017-07-31 (PCT/JP2017/027663)
[87] (WO2019/026118)

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[13] A1
[51] **Int.Cl. F21S 2/00 (2016.01)**
[25] EN
[54] **FLASHING LAMP AND METHOD FOR ADJUSTING FLASHING OF FLASHING LAMP**
[54] **LAMPE FLASH ET PROCEDE DE REGLAGE DE CLIGNOTEMENT DE LAMPE FLASH**
[72] MIZOBE, NORIMASA, JP
[71] HOTALUX, LTD., JP
[85] 2020-01-27
[86] 2018-07-20 (PCT/JP2018/027256)
[87] (WO2019/031195)
[30] JP (2017-153453) 2017-08-08

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[13] A1
[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **ANTI-CD147 ANTIBODY**
[54] **ANTICORPS ANTI CD147**
[72] FUKUCHI, KEISUKE, JP
[72] NANAI, KAYOKO, JP
[72] AMANO, MASATO, JP
[72] YONEDA, KOZO, JP
[72] TOTOKI, YUSUKE, JP
[72] YAMAMOTO, SHOJI, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2020-01-27
[86] 2018-07-26 (PCT/JP2018/028047)
[87] (WO2019/022187)
[30] JP (2017-145701) 2017-07-27

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[13] A1
[51] **Int.Cl. A61K 31/451 (2006.01) A61K 8/49 (2006.01) A61K 31/4525 (2006.01) A61K 31/454 (2006.01) A61P 17/14 (2006.01) A61Q 7/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENT OR PREVENTIVE AGENT FOR ALOPECIA AREATA**
[54] **AGENT THERAPEUTIQUE OU AGENT PROPHYLACTIQUE POUR L'ALOPECIE AREATA**
[72] SASAKI, RIE, JP
[72] HAYASHI, SHINNOSUKE, JP
[72] VALLET, MARTIAL, JP
[72] YOKOSAKA, SHINYA, JP
[72] OSUMI, KAZUYA, JP
[72] AOKI, TAKUMI, JP
[72] MEGURO, HIROYUKI, JP
[72] KAINO, MIE, JP
[72] TAKAGAKI, KOZUE, JP
[72] TAKAHASHI, TAKEHIRO, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-01-27
[86] 2018-07-27 (PCT/JP2018/028277)
[87] (WO2019/022235)
[30] JP (2017-145442) 2017-07-27

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[51] **Int.Cl. C12N 15/13 (2006.01) A61K 39/395 (2006.01) A61P 7/04 (2006.01) C07K 16/36 (2006.01) C07K 16/46 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 5/10 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **MULTISPECIFIC ANTIGEN-BINDING MOLECULE HAVING BLOOD COAGULATION FACTOR VIII (FVIII) COFACTOR FUNCTION-SUBSTITUTING ACTIVITY, AND PHARMACEUTICAL FORMULATION CONTAINING SAID MOLECULE AS ACTIVE INGREDIENT**
[54] **MOLECULE MULTISPECIFIQUE DE LIAISON A L'ANTIGENE AYANT UNE ACTIVITE DE SUBSTITUTION DE LA FONCTION DE COFACTEUR DU FACTEUR VIII DE COAGULATION SANGUINE (FVIII), ET FORMULATION PHARMACEUTIQUE CONTENANT LADITE MOLECULE EN TANT QUE PRINCIPE ACTIF**
[72] TERANISHI, YURI, JP
[72] KATO, KAZUKI, JP
[72] KOGA, HIKARU, JP
[72] IGAWA, TOMOYUKI, JP
[72] YAMAGUCHI, KAZUKI, JP
[72] SOEDA, TETSUHIRO, JP
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
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[86] 2018-09-27 (PCT/JP2018/035832)
[87] (WO2019/065795)
[30] JP (2017-189647) 2017-09-29

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[51] **Int.Cl. G06K 19/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ENCODING AND DECODING CIRCULAR SYMBOLIC CODES**
[54] **PROCEDE ET APPAREIL DE CODAGE ET DE DECODAGE DE CODES SYMBOLIQUES CIRCULAIRES**
[72] BRANDT, WILLIAM PATRICK, US
[72] BECHELY, JOSEPH WALTER, IV, US
[72] PERSONA, LUCAS, US
[72] NICOLETTI, DANIEL, BR
[71] THE COCA-COLA COMPANY, US
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[86] 2018-04-30 (PCT/US2018/030197)
[87] (WO2019/022807)
[30] US (62/538,121) 2017-07-28

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[51] **Int.Cl. C07C 67/39 (2006.01) B01J 23/52 (2006.01) B01J 35/00 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] LIMBACH, KIRK W., US
[72] FRICK, CHRISTOPHER D., US
[72] SUSSMAN, VICTOR J., US
[72] LEE, WEN-SHENG, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
[86] 2018-06-25 (PCT/US2018/039229)
[87] (WO2019/022884)
[30] US (62/538,254) 2017-07-28

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[51] **Int.Cl. B01J 35/00 (2006.01) B01J 23/52 (2006.01) B01J 35/02 (2006.01) C07C 67/39 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **HETEROGENEOUS CATALYST**
[54] **CATALYSEUR HETEROGENE**
[72] SUSSMAN, VICTOR J., US
[72] LEE, WEN-SHENG, US
[72] LIMBACH, KIRK W., US
[72] FRICK, CHRISTOPHER D., US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
[86] 2018-06-25 (PCT/US2018/039233)
[87] (WO2019/022887)
[30] US (62/538,234) 2017-07-28

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[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE AU MOYEN D'UN CATALYSEUR HETEROGENE**
[72] LIMBACH, KIRK W., US
[72] KRAPTCHETOV, DMITRI A., US
[72] FRICK, CHRISTOPHER D., US
[72] HICKMAN, DANIEL A., US
[72] HERRON, JEFFREY, US
[72] OLSON, KURT D., US
[72] BLAYLOCK, D. WAYNE, US
[72] SUSSMAN, VICTOR J., US
[72] LEE, WEN-SHENG, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
[86] 2018-06-25 (PCT/US2018/039235)
[87] (WO2019/022888)
[30] US (62/538,235) 2017-07-28

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[51] **Int.Cl. C07C 67/39 (2006.01) B01J 8/02 (2006.01) B01J 19/18 (2006.01) B01J 23/52 (2006.01) B01J 35/00 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] LIMBACH, KIRK W., US
[72] KRAPTCHETOV, DMITRI A., US
[72] FRICK, CHRISTOPHER D., US
[72] HICKMAN, DANIEL A., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-27
[86] 2018-06-25 (PCT/US2018/039238)
[87] (WO2019/022889)
[30] US (62/538,237) 2017-07-28

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[51] **Int.Cl. C07C 67/39 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] LIMBACH, KIRK W., US
[72] WALKER, JUSTIN, US
[72] STOTTLEMYER, ALAN L., US
[72] HERRON, JEFFREY, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
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[30] US (62/538,240) 2017-07-28

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[51] **Int.Cl. C07C 67/39 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] WALKER, JUSTIN, US
[72] LIMBACH, KIRK W., US
[72] HERRON, JEFFREY, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
[86] 2018-06-25 (PCT/US2018/039240)
[87] (WO2019/022891)
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[51] **Int.Cl. C07C 67/39 (2006.01) B01J 8/22 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] KRAPTCHETOV, DMITRI A., US
[72] ELDER, JAMES E., US
[72] WORLEY, WILLIAM G., US
[72] LIMBACH, KIRK W., US
[72] HICKMAN, DANIEL A., US
[72] KIRILIN, ALEXEY, NL
[72] LEE, WEN-SHENG, US
[72] SUSSMAN, VICTOR J., US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-27
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[30] US (62/538,249) 2017-07-28

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[13] A1
[51] **Int.Cl. E04H 17/26 (2006.01) E02D 7/00 (2006.01) E02D 7/02 (2006.01) E02D 7/06 (2006.01) E02D 7/18 (2006.01) E02F 5/16 (2006.01) E02F 5/20 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND/OR METHODS FOR DRIVING POSTS**
[54] **SYSTEMES, DISPOSITIFS ET/OU PROCEDES POUR ENFONCER DES POTEAUX**
[72] TANNER, RUSTY, US
[71] TANNER, RUSTY, US
[85] 2020-01-27
[86] 2018-06-29 (PCT/US2018/040451)
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[30] US (62/526,636) 2017-06-29

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[13] A1
[51] **Int.Cl. D21H 17/37 (2006.01) D21H 21/10 (2006.01)**
[25] EN
[54] **HYDROPHOBIC VINYLAMINE-CONTAINING POLYMER COMPOSITIONS AND THEIR USE IN PAPERMAKING APPLICATIONS**
[54] **COMPOSITIONS POLYMERES HYDROPHOBES CONTENANT UNE VINYLAMINE ET LEUR UTILISATION DANS DES APPLICATIONS DE FABRICATION DE PAPIER**
[72] GU, QU-MING, US
[72] BRUNGARDT, CLEMENT L., US
[72] HUYNH-BA, JOSETTE SERVALS, US
[72] KOVACS, PATRICK, US
[72] LEWIS, ASHLEY, US
[71] SOLENIS TECHNOLOGIES, L.P., US
[85] 2020-01-27
[86] 2018-07-12 (PCT/US2018/041751)
[87] (WO2019/027646)
[30] US (62/538,859) 2017-07-31
[30] US (16/032,775) 2018-07-11

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[51] **Int.Cl. A61K 8/9728 (2017.01) A45D 19/00 (2006.01) A45D 44/00 (2006.01) A61K 8/66 (2006.01) A61K 8/92 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **YEAST-BASED MASKS FOR IMPROVED SKIN, HAIR AND SCALP HEALTH**
[54] **MASQUES A BASE DE LEVURE POUR AMELIORER LA SANTE DE LA PEAU, DES CHEVEUX ET DU CUIR CHEVELU**
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[71] LOCUS IP COMPANY, LLC, US
[85] 2020-01-27
[86] 2018-07-17 (PCT/US2018/042419)
[87] (WO2019/022997)
[30] US (62/538,152) 2017-07-28

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/204 (2006.01)**
[25] EN
[54] **PLACEMENT OF CALIBRATION EARTH STATIONS FOR GROUND BASED BEAM FORMING IN A SATELLITE SYSTEM**
[54] **PLACEMENT DE STATIONS TERRESTRES D'ETALONNAGE POUR LA FORMATION DE FAISCEAU BASE AU SOL DANS UN SYSTEME SATELLITE**
[72] VASAVADA, YASH, US
[72] RAVISHANKAR, CHANNASANDRA, US
[72] CORRIGAN, JOHN, US
[72] ZAKARIA, GAGUK, US
[72] HUANG, XIAOLING, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2020-01-27
[86] 2018-07-19 (PCT/US2018/042824)
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[30] US (15/902,784) 2018-02-22
[30] US (62/537,959) 2017-07-28

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[13] A1
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/32 (2006.01) A61M 5/20 (2006.01)**
[25] EN
[54] **CHEMICALLY DRIVEN AUTO-INJECTOR WITH RETRACTION**
[54] **AUTO-INJECTEUR A ENTRAINEMENT CHIMIQUE AVEC RETRACTATION**
[72] O'CONNOR, JOSEPH PATRICK, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-01-27
[86] 2018-07-20 (PCT/US2018/043064)
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[30] US (62/537,587) 2017-07-27

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[13] A1
[51] **Int.Cl. B01J 10/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR FLUID CONTACTING IN A DOWNFLOW VESSEL**
[54] **PROCEDES ET APPAREIL DE MISE EN CONTACT DE FLUIDE DANS UN RESERVOIR A ECOULEMENT DESCENDANT**
[72] XU, ZHANPING, US
[72] NAUNHEIMER, CHRISTOPHER, US
[72] CHEN, PENGFEI, US
[72] LESNIAK, STEVEN J., US
[71] UOP LLC, US
[85] 2020-01-27
[86] 2018-07-24 (PCT/US2018/043436)
[87] (WO2019/023199)
[30] US (62/538,289) 2017-07-28

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[13] A1
[51] **Int.Cl. B01J 8/04 (2006.01) B01J 3/04 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR FLUID CONTACTING IN A DOWNFLOW VESSEL**
[54] **PROCEDES ET APPAREIL DE MISE EN CONTACT DE FLUIDES DANS UNE CUVE A CIRCULATION DESCENDANTE**
[72] XU, ZHANPING, US
[72] NAUNHEIMER, CHRISTOPHER, US
[72] CHEN, PENGFEI, US
[72] SHAFE, PETER H., US
[71] UOP LLC, US
[85] 2020-01-27
[86] 2018-07-24 (PCT/US2018/043445)
[87] (WO2019/023204)
[30] US (62/538,332) 2017-07-28

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[13] A1
[51] **Int.Cl. B01J 8/04 (2006.01) B01F 3/04 (2006.01) B01J 19/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR FLUID CONTACTING IN A DOWNFLOW VESSEL**
[54] **PROCEDES ET APPAREIL DE MISE EN CONTACT DE FLUIDE DANS UN RESERVOIR A ECOULEMENT DESCENDANT**
[72] XU, ZHANPING, US
[72] NAUNHEIMER, CHRISTOPHER, US
[72] CHEN, PENGFEI, US
[71] UOP LLC, US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043635)
[87] (WO2019/023317)
[30] US (62/538,310) 2017-07-28

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[13] A1
[51] **Int.Cl. A61K 8/97 (2017.01) A61Q 5/02 (2006.01) A61Q 5/12 (2006.01)**
[25] EN
[54] **SULFATE-FREE, NATURALLY DERIVED, POWDER SHAMPOO**
[54] **SHAMPOOING EN POUDRE EXEMPT DE SULFATE ET D'ORIGINE NATURELLE**
[72] BRADT, KAILEY R., US
[71] OWA HAIRCARE, INC., US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043671)
[87] (WO2019/023332)
[30] US (62/537,237) 2017-07-26

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[13] A1
[51] **Int.Cl. H02K 9/19 (2006.01) H02K 1/12 (2006.01) H02K 15/02 (2006.01)**
[25] EN
[54] **STATOR CORE AND METHOD OF MANUFACTURING THE SAME**
[54] **NOYAU DE STATOR ET SON PROCEDE DE FABRICATION**
[72] CHANNAPATANA, CHETAN, US
[71] TOSHIBA INTERNATIONAL CORPORATION, US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043677)
[87] (WO2019/023336)
[30] US (15/658,527) 2017-07-25

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[13] A1
[51] **Int.Cl. B60T 17/00 (2006.01)**
[25] EN
[54] **DEICING SYSTEM FOR AIR COMPRESSOR AFTERCOOLER**
[54] **SYSTEME DE DEGIVRAGE POUR REFROIDISSEUR FINAL DE COMPRESSEUR D'AIR**
[72] WRIGHT, ERIC C., US
[71] NEW YORK AIR BRAKE LLC, US
[85] 2020-01-27
[86] 2017-08-15 (PCT/US2017/046915)
[87] (WO2019/035812)
[30] US (15/677,403) 2017-08-15

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[13] A1
[51] **Int.Cl. A63B 23/04 (2006.01) A63B 5/22 (2006.01) A63B 22/00 (2006.01) A63B 23/00 (2006.01) A63B 26/00 (2006.01) G09B 5/06 (2006.01)**
[25] EN
[54] **THERAPEUTIC MAT**
[54] **TAPIS THERAPEUTIQUE**
[72] CAVALLO, PAM A., US
[71] BRAIN ABC'S, INC., US
[85] 2020-01-27
[86] 2017-11-15 (PCT/US2017/061761)
[87] (WO2018/102132)
[30] US (15/366,915) 2016-12-01

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[13] A1
[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **AUTOMATED RESERVOIR SIMULATION**
[54] **SIMULATION DE RESERVOIR AUTOMATISEE**
[72] WANG, QINGHUA, US
[72] SRINIVASA, ADITHYA, US
[72] RAMSAY, TRAVIS S., US
[72] CROCKETT, STEVEN P., US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-01-27
[86] 2017-11-15 (PCT/US2017/061806)
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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **NEUROSTIMULATORS AND STIMULATION SYSTEMS**
[54] **NEUROSTIMULATEURS ET SYSTEMES DE STIMULATION**
[72] DEARDEN, BRIAN, US
[72] SURI, HARSHIT, US
[72] LEE, EDWARD K. F., US
[71] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2020-01-27
[86] 2017-12-21 (PCT/US2017/068043)
[87] (WO2018/119327)
[30] US (62/438,023) 2016-12-22

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[13] A1
[51] **Int.Cl. H02K 1/20 (2006.01) H02K 1/16 (2006.01) H02K 3/48 (2006.01)**
[25] EN
[54] **STATORS COMPRISING AIR FLOW SLOTS**
[54] **STATORS COMPRENANT DES FENTES D'ECOULEMENT D'AIR**
[72] CHANNAPATANA, CHETAN, US
[71] TOSHIBA INTERNATIONAL CORPORATION, US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043716)
[87] (WO2019/023356)
[30] US (15/658,609) 2017-07-25

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[13] A1
[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/54 (2006.01)**
[25] EN
[54] **ROTATABLE CUTTING ELEMENTS FOR EARTH-BORING TOOLS AND EARTH-BORING TOOLS SO EQUIPPED**
[54] **ELEMENTS DE COUPE ROTATIFS POUR OUTILS DE FORAGE ET OUTILS DE FORAGE**
[72] SCHRODER, JON DAVID, US
[72] BOMIDI, JOHN ABHISHEK RAJ, US
[72] LOVELACE, KEGAN L., US
[72] BOEHM, ALEXANDER RODNEY, US
[72] MOSS, WILLIAM A., JR., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043727)
[87] (WO2019/023365)
[30] US (15/663,493) 2017-07-28

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[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **ORAL TABLET FORMULATIONS**
[54] **FORMULATIONS DE COMPRIMES ORAUX**
[72] MADDINENI, SINDHURI, US
[72] MANDGE, SHAILENDRA, IN
[72] MUKHERJEE, SOURISH, IN
[72] NAIR, VINOD BALAKRISHNAN, IN
[72] SEKUBOYINA, VIJAYA SRINIVAS, IN
[72] GADDAM, PRAVEEN, IN
[72] BRODBECK, KEVIN J., US
[72] GADIRAJU, RAMAKRISHNA, US
[72] GE, XUE, US
[72] ELDON, MICHAEL, A., US
[72] ODINECS, ALEKSANDRS, US
[72] GODA, SATYANARAYANA, US
[72] TANDALE, RAJENDRA, US
[72] BHATTACHARYA, SHILADITYA, US
[71] INHERIS BIOPHARMA, INC., US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043733)
[87] (WO2019/023368)
[30] IN (201711026744) 2017-07-27

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[13] A1
[51] **Int.Cl. E21B 10/62 (2006.01) E21B 10/43 (2006.01) E21B 10/54 (2006.01) E21B 10/56 (2006.01) E21B 10/627 (2006.01)**
[25] EN
[54] **CUTTING ELEMENT ASSEMBLIES AND DOWNHOLE TOOLS COMPRISING ROTATABLE CUTTING ELEMENTS AND RELATED METHODS**
[54] **ENSEMBLES D'ELEMENT DE COUPE ET OUTILS DE FOND DE TROU COMPRENANT DES ELEMENTS DE COUPE ROTATIFS, ET PROCEDES ASSOCIES**
[72] SCHRODER, JON DAVID, US
[72] BOMIDI, JOHN ABHISHEK RAJ, US
[72] LOVELACE, KEGAN L., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043737)
[87] (WO2019/023370)
[30] US (15/663,530) 2017-07-28

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[13] A1
[51] **Int.Cl. B01J 20/28 (2006.01) B01J 20/22 (2006.01)**
[25] EN
[54] **OVERCOMING TWO CARBON DIOXIDE ADSORPTION STEPS IN DIAMINE-APPENDED METAL-ORGANIC FRAMEWORKS**
[54] **FRANCHIR DEUX ETAPES D'ADSORPTION DE GAZ CARBONIQUE DANS DES STRUCTURES ORGANOMETALLIQUES DE DIAMINE AJOUTEE**
[72] LONG, JEFFREY R., US
[72] WESTON, SIMON CHRISTOPHER, US
[72] MILNER, PHILLIP J., US
[72] MARTELL, JEFFREY D., US
[72] SIEGELMAN, REBECCA L., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-27
[86] 2018-07-25 (PCT/US2018/043775)
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[30] US (62/541,623) 2017-08-04

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[13] A1
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[54] **RESEAU DE LASERS VCSEL CONNECTE EN SERIE A UNE SEULE PUCE**
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[72] LI, NEIN-YI, US
[72] WARREN, MIAL E., US
[71] TRILUMINA CORP., US
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[54] **SYSTEME ET PROCEDE DE FABRICATION DE FIBRE OPTIQUE**
[72] CLAWSON, JAN, US
[72] WHITE, ROBERT, US
[72] PICKSLAY, NATHANAEL, US
[72] SNYDER, MICHAEL, US
[72] POWERS, GEOFFREY, US
[72] PAUL-GIN, NOAH, US
[71] MADE IN SPACE, INC., US
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[54] **FRAC DIVERTER**
[54] **DEFLECTEUR DE FRACTURATION**
[72] GRAHAM, ROBERT, US
[72] BILYNSKY, MICHAEL, US
[72] JAIME, ROBERTO, US
[72] CROMER, CHRISTOPHER, US
[72] JASEK, SIDNEY J., US
[72] NORRID, WILLIAM, US
[72] PENDSE, BHUSHAN, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[54] **SMALL-ARMS AMMUNITION WITH NON-BRASS CASING AND NON-LEAD PROJECTILE**
[54] **MUNITION POUR ARMES LEGERES A ETUI SANS LAITON ET PROJECTILE SANS PLOMB**
[72] FOX, ROY STEPHEN, US
[71] TIMBERGHOST TACTICAL, LLC, US
[85] 2020-01-27
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[54] **SECURE CARD DATA ENTRY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ENTREE DE DONNEES DE CARTE SECURISEE**
[72] TANG, JOEY, US
[72] KONDAVETI, RUSSELL, US
[71] INGENICO INC., US
[85] 2020-01-27
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[54] **PROCESS AND INTERMEDIATES FOR SYNTHESIS OF PEPTIDE COMPOUNDS**
[54] **PROCEDE ET INTERMEDIAIRES POUR LA SYNTHESE DE COMPOSES PEPTIDIQUES**
[72] RACHA, SAIBABA, US
[71] NAUREX INC., US
[85] 2020-01-27
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[54] **ANALOGUES DE L'ACIDE ACRYLIQUE**
[72] HUANG, PETER QINHUA, US
[72] SLEE, DEBORAH HELEN, US
[72] BUNKER, KEVIN DUANE, US
[72] HEGDE, SAYEE GAJANAN, US
[72] HOPKINS, CHAD DANIEL, US
[71] RECURIUM IP HOLDINGS, LLC, US
[85] 2020-01-27
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[54] **PRE-ASSEMBLED COUPLING ASSEMBLY WITH FLEXIBLE HOSE ADAPTER**
[54] **ENSEMBLE RACCORD PRE-ASSEMBLE DOTE D'UN ADAPTATEUR DE TUYAU SOUPLE**
[72] MCNAMARA, MATTHEW WILLIAM, US
[72] BELEN, JORDAN CAMERON, US
[72] SCOTT, STEPHEN ERIC, US
[71] ANVIL INTERNATIONAL, LLC, US
[85] 2020-01-27
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[54] **PRE-ASSEMBLED COUPLING ASSEMBLY WITH CAP**
[54] **ENSEMBLE COUPLAGE PRE-ASSEMBLE COMPRENANT UN CAPUCHON**
[72] MCNAMARA, MATTHEW WILLIAM, US
[72] BELEN, JORDAN CAMERON, US
[72] SCOTT, STEPHEN ERIC, US
[71] ANVIL INTERNATIONAL, LLC, US
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[54] **METHOD AND DEVICE FOR THE MANUFACTURE OF A COMPOSITE COMPONENT OF COMPLEX SHAPE**
[54] **PROCEDE ET DISPOSITIF POUR LA FABRICATION D'UNE PIECE COMPOSITE DE FORME COMPLEXE**
[72] FEIGENBLUM, JOSE, FR
[71] ROCTOOL, FR
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[54] **MANAGE EQUIPMENT BASED RISK ON ASSET-SPECIFIC ENERGY DATA USAGE UTILIZING SENSOR-DRIVEN DYNAMICALLY ADJUSTABLE FEEDBACK LOOPS**
[54] **GESTION D'UN RISQUE BASE SUR UN EQUIPEMENT SUR UNE UTILISATION DE DONNEES D'ENERGIE PROPRE A UN ACTIF AU MOYEN DE BOUCLES DE RETROACTION REGLABLES DYNAMIQUEMENT ET COMMANDEES PARUN CAPTEUR**
[72] JONES, RICHARD B., US
[72] CULLUM, PAUL A., US
[71] THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY, US
[85] 2020-01-27
[86] 2018-07-26 (PCT/US2018/043988)
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[54] **NOVEL PSICOSE-6-PHOSPHATE PHOSPHATASE, COMPOSITION FOR PRODUCING D-PSICOSE COMPRISING THE ENZYME AND METHODS FOR PRODUCING D-PSICOSE USING THE ENZYME**
[54] **NOUVELLE PSICOSE-6-PHOSPHATE PHOSPHATASE, COMPOSITION POUR LA PRODUCTION DE PSICOSE COMPRENANT LADITE ENZYME, PROCEDE POUR LA PRODUCTION DE PSICOSE AU MOYEN DE LADITE ENZYME**
[72] SON, BYUNG-SAM, KR
[72] CHO, HYUN KUG, KR
[72] YANG, SUNG JAE, KR
[72] KIM, SEONG BO, KR
[72] KIM, SEUNG HWAN, KR
[72] PARK, HYUN JUNE, KR
[71] CJ CHEIL JEDANG CORPORATION, KR
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[54] **HYDROPROCESSING OF HIGH DENSITY CRACKED FRACTIONS**
[54] **HYDROTRAITEMENT DE FRACTIONS CRAQUEES DE DENSITE ELEVEE**
[72] DEIMUND, MARK A., US
[72] ILIAS, SAMIA, US
[72] SMILEY, RANDOLPH J., US
[72] DANDEKAR, AJIT B., US
[72] WEIGEL, SCOTT J., US
[72] LACY, DARRYL D., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[25] EN
[54] **DEVICE ACCESSORY FOR DIGITALLY MONITORING AUTOINJECTOR USAGE FOR IMPROVED COMPLIANCE, REMOTE PATIENT MONITORING, AND ADHERENCE**
[54] **ACCESSOIRE DE DISPOSITIF POUR LA SURVEILLANCE NUMERIQUE D'UN INJECTEUR AUTOMATIQUE POUR AMELIORER L'OBSERVANCE, LE PATIENT A DISTANCE ET L'ADHERENCE**
[72] SONG, MICHAEL C., US
[72] SUBRAMONY, JANARHANAND, US
[71] MEDIMMUNE, LLC, US
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[86] 2018-08-09 (PCT/US2018/045932)
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[54] **PROCESSES FOR PREPARING PYRROLIDINE COMPOUNDS**
[54] **PROCEDES DE PREPARATION DE COMPOSES DE PYRROLIDINE**
[72] ANGELL, PAUL T., US
[72] LEWANDOWSKI, BERENICE, US
[72] LITTLER, BENJAMIN J., US
[72] NUGENT, WILLIAM A., US
[72] SMITH, DAVID, US
[72] STUDLEY, JOHN, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
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[54] **MULTIZONE COOKING UTILIZING A SPECTRAL-CONFIGURABLE COOKING INSTRUMENT**
[54] **CUISSON MULTIZONE UTILISANT UN APPAREIL DE CUISSON POUVANT ETRE CONFIGURE D'UN POINT DE VUE SPECTRAL**
[72] CHENG, SHIH-YU, US
[72] YUE, DAN, US
[72] METZLER, RICHARD, US
[72] JANOFF, MARK, US
[71] BRAVA HOME, INC., US
[85] 2020-01-27
[86] 2018-08-09 (PCT/US2018/046124)
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[54] **ATP PHOSPHORIBOSYLTRANSFERASE VARIANT AND METHOD FOR PRODUCING L-HISTIDINE USING THE SAME**
[54] **MUTANT DE L'ATP PHOSPHORIBOSYLTRANSFERASE ET PROCEDE DE PRODUCTION DE L-HISTIDINE FAISANT APPEL A CELUI-CI**
[72] PARK, MYUNG KEUN, KR
[72] KWON, NARA, KR
[72] LEE, JIN NAM, KR
[71] CJ CHEILJEDANG CORPORATION, KR
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[54] **METHODS AND SYSTEM FOR HOMOGENEOUS DENTAL APPLIANCE**
[54] **PROCEDES ET SYSTEME POUR APPAREIL DENTAIRE HOMOGENE**
[72] FRANTZ, JOSEPH LEE, US
[72] FRANTZ, DONALD E, US
[71] FRANTZ DESIGN INCORPORATED, US
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[54] **T CELL RECEPTOR-DEFICIENT CHIMERIC ANTIGEN RECEPTOR T-CELLS AND METHODS OF USE THEREOF**
[54] **LYMPHOCYTES T RECEPTEURS D'ANTIGENES CHIMERIQUES DEFICIENTS EN RECEPTEURS DE LYMPHOCYTE T ET PROCEDES D'UTILISATION CORRESPONDANTS**
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[72] CAMPANA, DARIO, SG
[71] NATIONAL UNIVERSITY OF SINGAPORE, SG
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[25] EN
[54] **METHODS AND SYSTEMS FOR IMPROVING COMMUNICATION USING AN ALTERNATE LINK**
[54] **PROCEDES ET SYSTEMES PERMETTANT D'AMELIORER LA COMMUNICATION AU MOYEN D'UNE LIAISON ALTERNATIVE**
[72] URIE, MARCUS T., US
[72] MCCOURT, RYAN P., US
[72] KOSE, CENK, US
[72] CHUGG, KETIH M., US
[71] TRELLISWARE TECHNOLOGIES, INC., US
[71] URIE, MARCUS T., US
[71] MCCOURT, RYAN P., US
[71] KOSE, CENK, US
[71] CHUGG, KETIH M., US
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[54] **PREDICTIVE DOUBLE-RELEASE ALARM BELT**
[54] **CEINTURE D'ALARME A DOUBLE LIBERATION PREDICTIVE**
[72] CARR, ROY SEIZO, US
[71] TIDI PRODUCTS, LLC, US
[85] 2020-01-27
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[25] EN
[54] **CHOLESTYRAMINE GRANULES, ORAL CHOLESTYRAMINE FORMULATIONS AND USE THEREOF**
[54] **GRANULES DE CHOLESTYRAMINE, FORMULATIONS ORALES DE CHOLESTYRAMINE ET LEUR UTILISATION**
[72] GILLBERG, PER-GORAN, SE
[72] GUSTAFSSON, NILS OVE, SE
[72] LOVGREN, KURT, SE
[71] ALBIREO AB, SE
[85] 2020-01-27
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[51] **Int.Cl. B01D 35/30 (2006.01) B01D 27/08 (2006.01)**
[25] EN
[54] **A SPIN-ON FLUID TREATMENT DEVICE AND METHODS**
[54] **DISPOSITIF ET PROCEDES DE TRAITEMENT DE FLUIDE A VISSER**
[72] WILLEMS, GERT, US
[71] DONALDSON COMPANY, INC., US
[85] 2020-01-27
[86] 2018-08-10 (PCT/US2018/046286)
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[30] EP (17186061.2) 2017-08-11

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[25] EN
[54] **COMPOSITION FOR STABILIZATION OF ANTIBODY FORMULATIONS CONTAINING PERCP**
[54] **COMPOSITION POUR LA STABILISATION DE FORMULATIONS D'ANTICORPS CONTENANT DE LA PERCP**
[72] JANSEN, ANNA MAI, US
[72] JAKOBSON, TINA BRINK, US
[72] KUHNAU, JESPER, US
[71] AGILENT TECHNOLOGIES, INC., US
[85] 2020-01-27
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[54] **CONTROLE D'INTEGRITE D'UN MICROLOGICIEL A L'AIDE DE MESURES « ARGENT »**
[72] KHORUZHENKO, EUGENE, US
[71] ABSOLUTE SOFTWARE CORPORATION, CA
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[25] EN
[54] **FULL FREE TRIPLEX FORKLIFT MAST WITH MAXIMIZED OPERATOR VIEW**
[54] **MAT TRIPLE DE LEVE-PALETTE A LEVEE LIBRE TOTALE PRESENTANT UNE VUE D'OPERATEUR OPTIMISEE**
[72] BOYLU, TUNA, TR
[72] BOYLU, ERKAN, TR
[71] BOYLU, TUNA, TR
[71] BOYLU, ERKAN, TR
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[25] EN
[54] **SOLUBLE FERTILIZER FORMULATION AND METHOD FOR USE THEREOF**
[54] **PREPARATION D'ENGRAIS SOLUBLE ET SON PROCEDE D'UTILISATION**
[72] TAGANOV, IGOR, RU
[72] TIAINEN, MATTI, FI
[72] PALDANIUS, ANITA, FI
[71] PRO FARM TECHNOLOGIES OY, FI
[85] 2020-01-27
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[25] EN
[54] **POLYMERIZABLE COMPOUNDS WITH ONE OR MORE SURFACTANT-LIKE PROPERTIES**
[54] **COMPOSES POLYMERISABLES POSSEDANT UNE OU PLUSIEURS PROPRIETES DE TYPE TENSIOACTIF**
[72] ARBATAN, TINA AKBARZADEH, CA
[72] RAHMAN, AHMED ABDEL, CA
[72] BINDRA, GURMEET SINGH, CA
[72] DUBIEL, MARCELO, CA
[72] WOLFF, ZACHARY, CA
[72] NING, CHENXI, CA
[71] UNIVERSITY OF MANITOBA, CA
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[25] EN
[54] **HERBICIDAL MIXTURES COMPRISING L-GLUFOSINATE AND THEIR USE IN CORN CULTURES**
[54] **MELANGES HERBICIDES COMPRENANT DU L-GLUFOSINATE ET LEUR UTILISATION DANS DES CULTURES DE MAIS**
[72] WINTER, CHRISTIAN HARALD, DE
[72] GEWEHR, MARKUS, DE
[72] NIELSON, RYAN LOUIS, DE
[71] BASF SE, DE
[85] 2020-01-28
[86] 2018-08-02 (PCT/EP2018/070937)
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[54] **TOOL FOR CLEANING A GRILL**
[54] **OUTIL DE NETTOYAGE D'UN GRIL**
[72] NORRIS, JOSEPH, CA
[71] NORRIS, JOSEPH, CA
[85] 2020-01-28
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[54] **METHODS OF INCREASING DISEASE RESISTANCE IN A PLANT**
[54] **PROCEDES D'AMELIORATION DE LA RESISTANCE AUX MALADIES CHEZ UNE PLANTE**
[72] DESVEAUX, DARRELL, CA
[72] MOTT, GLENN ADAM, CA
[72] GUTTMAN, DAVID S., CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **METHODS AND DEVICES FOR DETECTION OF ANTICOAGULANTS IN PLASMA AND WHOLE BLOOD**
[54] **PROCEDES ET DISPOSITIFS DE DETECTION D'ANTICOAGULANTS DANS LE PLASMA ET LE SANG TOTAL**
[72] FRYDMAN, GALIT H., US
[72] TONER, MEHMET, US
[72] TOMPKINS, RONALD G., US
[72] BENDAPUDI, PAVAN, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[54] **GLASS PANEL MANUFACTURING SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE FABRICATION DE PANNEAUX DE VERRE**
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[72] DOU, GAOFENG, CN
[71] LUOYANG LANDGLASS TECHNOLOGY CO., LTD., CN
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[54] **L'APPAREIL POUR IMPREGNER DES FIBRES PRESENTANT UNE TENEUR VOLUMETRIQUE DEFINIE**
[72] MEYER, ANDRE, DE
[72] EMGE, ANDREAS, DE
[72] HASENPATT, MICHAEL, DE
[71] BASF SE, DE
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[54] **INITIAL ALIGNMENT SYSTEM AND METHOD FOR STRAP-DOWN INERTIAL NAVIGATION OF SHEARER BASED ON OPTICAL FLOW METHOD**
[54] **SYSTEME ET PROCEDE D'ALIGNEMENT INITIAL DE NAVIGATION INERTIELLE A COMPOSANTS LIES (STRAP-DOWN) D'UN ENGIN D'EXTRACTION DU CHARBON BASES SUR UN PROCEDE DE FLUX OPTIQUE**
[72] LI, WEI, CN
[72] CHEN, YUMING, CN
[72] WANG, YUQIAO, CN
[72] YANG, XUEFENG, CN
[72] FAN, MENGBAO, CN
[72] JU, JINYONG, CN
[72] LU, EN, CN
[72] SHENG, LIANCHAO, CN
[72] WANG, CHAO, CN
[72] XIA, TING, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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[54] **DETECTEUR DE NEUTRONS**
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[72] NOWAK, GREGOR JACEK, DE
[72] PLEWKA, JORN, DE
[72] JACOBSEN, CHRISTIAN, DE
[72] GREGERSEN, CARSTEN PETER, DE
[72] PULS, WOLFGANG, DE
[72] BELDOWSKI, ANDREAS, DE
[72] SIEMERS, DIRK JAN, DE
[72] KIEHN, RUDIGER, DE
[72] KLEEBAND, SVEN, DE
[72] BOTTCHER, THORSTEN, DE
[72] MUSIELAK, GERD, DE
[72] SITKO, ERIK, DE
[72] HEDDE, JOHN, DE
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[54] **PROCEDE D'ANALYSE POUR EMBALLAGES**
[72] ANGRES, JOHANN, DE
[72] FALKENSTEIN, MARTIN, DE
[71] STEINFURTH MESS-SYSTEME GMBH, DE
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[54] **UTILISATION DE LYMPHOCYTES T MODIFIES PAR CAR POUR FLT3 ET D'INHIBITEURS DE FLT3 POUR TRAITER LA LEUCEMIE MYELOIDE AIGUE**
[72] HUDECEK, MICHAEL, DE
[72] JETANI, HARDIKKUMAR, DE
[71] JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG, DE
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[54] **CONTACT LENS MANIPULATOR WITH SAFETY RELEASE**
[54] **MANIPULATEUR DE LENTILLE DE CONTACT A LIBERATION DE SECURITE**
[72] HERSHOFF, CRAIG L., US
[72] BERNAL, ANDRES, US
[71] HERSHOFF, CRAIG L., US
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[54] **ANIMAL FEED FORMED MEAT COMPOSITION WITH PREY ANIMAL NUTRIMENT AND PROCESS FOR PRODUCING AN ANIMAL FEED FORMED MEAT SLUG WITH PREY ANIMAL NUTRIMENT**
[54] **COMPOSITION DE VIANDE RECONSTITUEE POUR ANIMAUX CONTENANT DES ALIMENTS A BASE DE PROIES ET PROCEDE POUR FABRIQUER UN BLOC DE VIANDE RECONSTITUEE A BASE DE PROIES DESTINEE AUX ANIMAUX**
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[54] **PRE-ASSEMBLED COUPLING ASSEMBLIES WITH PIPE FITTING**
[54] **ENSEMBLES COUPLAGES PRE-ASSEMBLES DOTES D'UN RACCORD DE TUYAU**
[72] MCNAMARA, MATTHEW WILLIAM, US
[72] BELEN, JORDAN CAMERON, US
[72] SCOTT, STEPHEN ERIC, US
[71] ANVIL INTERNATIONAL, LLC, US
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[54] **MICROORGANISM FOR PRODUCING HUMAN MILK OLIGOSACCHARIDE**
[54] **MICRO-ORGANISME DE PRODUCTION D'OLIGOSACCHARIDE DE LAIT HUMAIN**
[72] PERACHA, MAX, DE
[72] WEMHOFF, SABRINA, DE
[72] MEINHARDT, FRIEDHELM, DE
[71] OLIGOSCIENCE BIOTECHNOLOGY GMBH, DE
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[54] **OPTIMISATION DE LA LUMIERE DE REVEIL POUR LA CROISSANCE DE PLANTES**
[72] NICOLE, CELINE CATHERINE SARAH, NL
[72] LU, WEIFAN, NL
[71] SIGNIFY HOLDING B.V., NL
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[54] **METHODS FOR MAKING NANOSTRUCTURED MATERIALS USING INTERCALATION OF CARBON NANOPARTICLES**
[54] **PROCEDES DE FABRICATION DE MATERIAUX NANOSTRUCTURES PAR INTERCALATION DE NANOPARTICULES DE CARBONE**
[72] ZHU, ZHONGHUA, AU
[72] HERNANDEZ, BYRON STANLEY VILLACORTA, AU
[72] TANG, XUEGANG, CN
[72] TRUSS, ROWAN WAYNE, AU
[72] SOLOMON, GREGORY H., AU
[71] EDEN INNOVATIONS LIMITED, AU
[71] ZHU, ZHONGHUA, AU
[71] HERNANDEZ, BYRON STANLEY VILLACORTA, AU
[71] TANG, XUEGANG, CN
[71] TRUSS, ROWAN WAYNE, AU
[71] SOLOMON, GREGORY H., AU
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[25] EN
[54] **NOVEL BATTERY SYSTEMS BASED ON LITHIUM DIFLUOROPHOSPHATE**
[54] **NOUVEAUX SYSTEMES DE BATTERIE A BASE DE DIFLUOROPHOSPHATE DE LITHIUM**
[72] MA, LIN, CA
[72] MA, XIAOWEI, CA
[72] GLAZIER, STEPHEN LAURENCE, CA
[72] LI, JING, CA
[72] DAHN, JEFFERY R., CA
[71] TESLA MOTORS CANADA ULC, CA
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[51] **Int.Cl. A61K 51/04 (2006.01) A61K 51/08 (2006.01)**
[25] EN
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[54] **AGENTS A DEUX MODES RADIOTRACEURS ET THERAPEUTIQUES**
[72] WURZER, ALEXANDER JOSEF, DE
[72] WESTER, HANS-JURGEN, DE
[72] EIBER, MATTHIAS JOHANNES, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN - KLINIKUM RECHTS DER ISAR, DE
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[54] **FIXATION AND RETENTION OF EXTRACELLULAR VESICLES**
[54] **FIXATION ET RETENTION DE VESICULES EXTRACELLULAIRES**
[72] PENA, JOHN T.G., US
[71] CORNELL UNIVERSITY, US
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[25] EN
[54] **A SYNERGISTIC COMPOSITION AS A PROMOTER OF AUTOPHAGY**
[54] **COMPOSITION SYNERGIQUE EN TANT QUE PROMOTEUR DE L'AUTOPHAGIE**
[72] GIULIANI, GIAMMARIA, CH
[72] PAUS, RALF, DE
[72] GRIMALDI, BENEDETTO, IT
[72] MARZANI, BARBARA, IT
[72] BARONI, SERGIO, IT
[71] GIULIANI S.P.A., IT
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[51] **Int.Cl. G06F 9/50 (2006.01) G06Q 10/06 (2012.01)**
[25] EN
[54] **TECHNIQUES FOR BEHAVIORAL PAIRING IN A TASK ASSIGNMENT SYSTEM**
[54] **TECHNIQUES D'APPARIEMENT COMPORTEMENTAL DANS UN SYSTEME D'AFFECTATION DE TACHES**
[72] ELMORE, JAMES EDWARD, US
[72] KHATRI, VIKASH, US
[72] CHISHTI, ZIA, US
[72] KAN, ITTAI, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2020-01-28
[86] 2018-07-18 (PCT/IB2018/000897)
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[54] **POCKET AND DRAPE SYSTEM FOR PROVIDING STERILE FIELDS**
[54] **SYSTEME DE POCHE ET DE DRAPE POUR FOURNIR DES CHAMPS STERILES**
[72] DINE, ANN, US
[71] O&M HALYARD INTERNATIONAL UNLIMITED COMPANY, IE
[85] 2020-01-28
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[25] EN
[54] **TECHNIQUES FOR BEHAVIORAL PAIRING IN A CONTACT CENTER SYSTEM**
[54] **TECHNIQUES D'APPARIEMENT COMPORTEMENTAL DANS UN SYSTEME DE CENTRE D'APPELS**
[72] CHISHTI, ZIA, US
[71] AFINITI EUROPE TECHNOLOGIES LIMITED, GB
[85] 2020-01-28
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[54] **COMMUNICATION APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE DE COMMUNICATION**
[72] ABBUONANDI, JESSICA, IT
[71] JAB S.R.L., IT
[85] 2020-01-28
[86] 2018-07-31 (PCT/IB2018/055732)
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[25] EN
[54] **PROCESS FOR PRODUCING POLYETHER KETONE KETONE**
[54] **PROCESSUS DE PRODUCTION DE POLYETHERCETONE-CETONE**
[72] LE, GUILLAUME, FR
[72] JOUANNEAU, JULIEN, US
[72] CLAIR, NICOLAS, FR
[71] ARKEMA FRANCE, FR
[85] 2020-01-28
[86] 2018-08-03 (PCT/EP2018/071101)
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[30] EP (17306045.0) 2017-08-04

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[51] **Int.Cl. C09D 5/02 (2006.01) C09D 133/02 (2006.01)**
[25] EN
[54] **AQUEOUS COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT AQUEUX**
[72] QIAN, ZHEN, CN
[72] CUI, WEI, CN
[72] XU, JIANMING, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-28
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[51] **Int.Cl. B05B 7/02 (2006.01) D04H 1/655 (2012.01) C03C 25/146 (2018.01) B05B 1/20 (2006.01) B05B 7/08 (2006.01) B05B 7/14 (2006.01)**
[25] FR
[54] **INSTALLATION FOR THE PRODUCTION OF MINERAL WOOL AND DEVICE FOR SPRAYING A SIZING COMPOSITION, FORMING PART OF SUCH AN INSTALLATION**
[54] **INSTALLATION DE FABRICATION DE LAINE MINERALE ET DISPOSITIF DE PROJECTION D'UNE COMPOSITION D'ENCOLLAGE EQUIPANT UNE TELLE INSTALLATION**
[72] D'HERIN BYTNER, FREDERIC, FR
[72] COLIN, SEBASTIEN, FR
[72] LERICQUE, BERTRAND, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2020-01-28
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[54] **SEQUENTIAL LATERAL FLOW DEVICE**
[54] **DISPOSITIF A ECOULEMENT LATERAL SEQUENTIEL**
[72] VALLEJO, YLI REMO, US
[72] LAWRENCE, GREGORY M., US
[72] LOUSARARIAN, ADAM P., US
[72] SHINEFELD, LISA, US
[71] VERAX BIOMEDICAL INCORPORATED, US
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[25] EN
[54] **SLIP RING SEALING ARRANGEMENT AND SLIP RING SEALING KIT**
[54] **SYSTEME DE GARNITURE MECANIQUE ET MODULE A GARNITURE MECANIQUE**
[72] ONGERTH, DORIS, DE
[72] RIES, WOLFGANG, DE
[71] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE
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[25] EN
[54] **DYNAMIC TRIM PROCESSING WITH DISK CACHING**
[54] **TRAITEMENT DE ROGNAGE DYNAMIQUE AVEC MISE EN MEMOIRE CACHE DE DISQUE**
[72] TAYLOR, ALTON, GB
[71] CITRIX SYSTEMS, INC., US
[85] 2020-01-28
[86] 2018-06-18 (PCT/IB2018/054467)
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[30] US (15/663,255) 2017-07-28

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[25] EN
[54] **SYSTEMS AND METHODS FOR OPERATIONS A ROBOTIC SYSTEM AND EXECUTING ROBOTIC INTERACTIONS**
[54] **SYSTEMES ET PROCEDES DE FONCTIONNEMENT D'UN SYSTEME ROBOTIQUE ET D'EXECUTION D'INTERACTIONS ROBOTIQUES**
[72] OLEYNIK, MARK, MC
[71] MBL LIMITED, GB
[85] 2020-01-23
[86] 2018-07-25 (PCT/IB2018/000949)
[87] (WO2019/021058)
[30] US (62/536,625) 2017-07-25
[30] US (62/546,022) 2017-08-16
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[30] US (62/648,711) 2018-03-27
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[54] **ADHESIVE PROPAGATION CONTROL USING BLOCKING SUB-LAYERS**
[54] **COMMANDE DE PROPAGATION D'ADHESIF A L'AIDE DE SOUS-COUCHES DE BLOCAGE**
[72] ZAFIROGLU, DIMITRI, US
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN, US
[71] ENGINEERED FLOORS LLC, US
[85] 2020-01-28
[86] 2018-07-19 (PCT/US2018/042856)
[87] (WO2019/027689)
[30] US (15/664,876) 2017-07-31

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[51] **Int.Cl. G01B 11/22 (2006.01) A61B 90/00 (2016.01) A61B 17/16 (2006.01) A61F 2/46 (2006.01) G01B 11/04 (2006.01)**
[25] EN
[54] **DRILLING DEPTH GAUGE**
[54] **JAUGE DE PROFONDEUR DE FORAGE**
[72] EL ZOGHBI, GASER, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-01-28
[86] 2018-08-02 (PCT/IB2018/055825)
[87] (WO2019/030624)
[30] US (62/541,832) 2017-08-07

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[51] **Int.Cl. G06F 3/06 (2006.01)**
[25] EN
[54] **THIN PROVISIONING VIRTUAL DESKTOP INFRASTRUCTURE VIRTUAL MACHINES IN CLOUD ENVIRONMENTS WITHOUT THIN CLONE SUPPORT**
[54] **MACHINES VIRTUELLES D'INFRASTRUCTURE DE BUREAU VIRTUEL A ALLOCATION DYNAMIQUE DANS DES ENVIRONNEMENTS EN NUAGE SANS SUPPORT DE CLONE MINCE**
[72] BABOVAL, JOHN, US
[72] GOETZ, THOMAS, US
[72] GRAHAM, SIMON P., US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-01-28
[86] 2018-06-18 (PCT/IB2018/054468)
[87] (WO2019/034941)
[30] US (15/677,727) 2017-08-15

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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61K 39/40 (2006.01) C07K 14/31 (2006.01) C07K 16/28 (2006.01) C12N 15/82 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **IGG FC VARIANTS FOR VETERINARY USE**
[54] **VARIANTS D'IGG FC A USAGE VETERINAIRE**
[72] ZHAN, HANGJUN, US
[72] NGUYEN, LAM, US
[72] LI, YONGZHONG, US
[72] QIAN, FAWN, US
[72] LI, SHYR JIANN, US
[71] KINDRED BIOSCIENCES, INC., US
[85] 2020-01-28
[86] 2018-08-15 (PCT/IB2018/056142)
[87] (WO2019/035010)
[30] US (62/545,858) 2017-08-15

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[13] A1
[51] **Int.Cl. G01N 17/00 (2006.01) G01B 17/02 (2006.01) G01N 29/44 (2006.01)**
[25] EN
[54] **ULTRASONIC CORROSION MONITORING**
[54] **SURVEILLANCE DE LA CORROSION PAR ULTRASONS**
[72] YU, LINXIAO, US
[72] LOZEV, MARGARIT, US
[72] EASON, THOMAS, US
[72] ORWIG, STEVEN, US
[72] OVERSTREET, CHRISTOPHER, US
[72] BAZAZ, HAMED, US
[71] BP CORPORATION NORTH AMERICA INC., US
[85] 2020-01-28
[86] 2018-07-26 (PCT/US2018/043848)
[87] (WO2019/027785)
[30] US (62/541,287) 2017-08-04

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[13] A1
[51] **Int.Cl. H04B 7/06 (2006.01) H01Q 3/24 (2006.01)**
[25] EN
[54] **RECTANGULAR ELEMENT ARRAY PROVIDING DYNAMIC WIRELESS COVERAGE**
[54] **RESEAU D'ELEMENTS RECTANGULAIRES REALISANT UNE COUVERTURE SANS FIL DYNAMIQUE**
[72] ANSLEY, CAROL J., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2020-01-27
[86] 2018-08-03 (PCT/US2018/045285)
[87] (WO2019/032405)
[30] US (62/542,450) 2017-08-08
[30] US (16/053,791) 2018-08-02

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[13] A1
[51] **Int.Cl. C01D 3/04 (2006.01) C01D 3/22 (2006.01)**
[25] EN
[54] **METHOD FOR INCREASING THE MECHANICAL STABILITY OF POTASSIUM CHLORIDE COMPACTED MATERIAL**
[54] **PROCEDE POUR RENFORCER LA STABILITE MECANIQUE DE BLOCS DE CHLORURE DE POTASSIUM**
[72] BAUCKE, GUIDE, DE
[72] KOPF, SEBASTIAN, DE
[72] MEISSNER, PAUL, AT
[71] K+S MINERALS AND AGRICULTURE GMBH, DE
[85] 2020-01-28
[86] 2018-07-27 (PCT/DE2018/000225)
[87] (WO2019/020140)
[30] DE (10 2017 007 105.5) 2017-07-28

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[13] A1
[51] **Int.Cl. E21C 25/02 (2006.01) B66C 13/14 (2006.01) B66C 23/70 (2006.01) B66F 11/04 (2006.01) E21B 7/02 (2006.01)**
[25] EN
[54] **MINING OR CONSTRUCTION VEHICLE AND A HYDRAULIC CYLINDER CONDUIT ENCLOSING A CONDUIT ARRANGEMENT**
[54] **VEHICULE D'EXPLOITATION MINIERE OU DE CHANTIER ET CONDUIT DE CYLINDRE HYDRAULIQUE RENFERMANT UN AGENCEMENT DE CONDUIT**
[72] SJOHOLM, OSKAR, SE
[72] ROTH, PATRIK, SE
[72] ANDERSSON, FREDRIK A, SE
[72] KUMLIN, PER-ANDERS, SE
[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
[85] 2020-01-28
[86] 2018-06-11 (PCT/EP2018/065311)
[87] (WO2019/048094)
[30] SE (1751090-0) 2017-09-08

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[13] A1
[51] **Int.Cl. H04L 12/911 (2013.01)**
[25] EN
[54] **ANTICANCER DRUGS AND METHODS OF MAKING AND USING SAME**
[54] **MEDICAMENTS ANTICANCEREUX ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] DEACON, JOHN, US
[72] WANG, KUNG-PERN, US
[72] ENGELMAN, DONALD, US
[72] HOYER, DENTON, US
[72] WANGWEERAWONG, APIWAT, US
[72] HUNGERFORD, WILLIAM, US
[72] SABBASANI, VENKATAREDDY, US
[72] SPIEGEL, DAVID, US
[71] YALE UNIVERSITY, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044164)
[87] (WO2019/023621)
[30] US (62/538,489) 2017-07-28

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[13] A1
[51] **Int.Cl. B65G 49/04 (2006.01)**
[25] EN
[54] **PLANT FOR IMMERSION OF BODYWORKS**
[54] **INSTALLATION POUR IMMERSION DE CARROSSERIES**
[72] GABRIONE, GIAMBATTISTA, IT
[72] FRUSTACI, SALVATORE, IT
[71] GEICO SPA, IT
[85] 2020-01-28
[86] 2018-07-30 (PCT/IB2018/055680)
[87] (WO2019/025941)
[30] IT (102017000088764) 2017-08-01

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[51] **Int.Cl. A61K 31/7105 (2006.01) A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61P 1/16 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PKLR INHIBITION IN THE TREATMENT OF NAFLD AND HCC**
[54] **INHIBITION DE PKLR DANS LE TRAITEMENT DE NAFLD ET DE HCC**
[72] MARDINOGLU, ADIL, SE
[72] BOREN, JAN, SE
[72] UHLEN, MATHIAS, SE
[71] SCANDIEDGE THERAPEUTICS AB, SE
[85] 2020-01-28
[86] 2018-08-14 (PCT/EP2018/072036)
[87] (WO2019/034657)
[30] EP (17186181.8) 2017-08-14

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[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/34 (2006.01) A61K 8/60 (2006.01) A61K 8/68 (2006.01) A61K 8/92 (2006.01) A61K 8/97 (2017.01) A61Q 19/02 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **DISPERSION FORMULATION OF COSMETIC COMPOSITION COMPRISING SPHERICAL PARTICLES**
[54] **FORMULATION EN DISPERSION DE COMPOSITION COSMETIQUE COMPRENANT DES PARTICULES SPHERIQUES**
[72] CHOI, SOOJEONG, KR
[72] PARK, SUNGIL, KR
[71] AMOREPACIFIC CORPORATION, KR
[85] 2020-01-28
[86] 2018-07-31 (PCT/KR2018/008690)
[87] (WO2019/027230)
[30] KR (10-2017-0096881) 2017-07-31

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[13] A1
[51] **Int.Cl. B65D 83/00 (2006.01)**
[25] EN
[54] **DISPENSING PUMP AND MANUFACTURING METHOD THEREOF**
[54] **POMPE DE DISTRIBUTION ET SON PROCEDE DE FABRICATION**
[72] YAN, JIAN, CA
[71] ID PACKAGING INC., CA
[85] 2020-01-28
[86] 2019-04-05 (PCT/IB2019/052825)
[87] (WO2019/193568)
[30] US (62/653,626) 2018-04-06

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[13] A1
[51] **Int.Cl. G01N 21/84 (2006.01) G01N 35/02 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **CONTAINER FOR A SPECIMEN AND METHOD OF USING SAME**
[54] **RECIPIENT DESTINE A UN ECHANTILLON ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] CARTY, DANIEL E., US
[72] SOLOMON, FREDRIC, US
[71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044117)
[87] (WO2019/023593)
[30] US (62/538,301) 2017-07-28

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[13] A1
[51] **Int.Cl. G02B 6/36 (2006.01) B08B 1/00 (2006.01)**
[25] EN
[54] **CLEANING TOOL**
[54] **OUTIL DE NETTOYAGE**
[72] NAKANE, JUNICHI, JP
[71] FUJIKURA LTD., JP
[85] 2020-01-28
[86] 2018-05-31 (PCT/JP2018/020950)
[87] (WO2019/049441)
[30] JP (2017-172028) 2017-09-07
[30] JP (2017-172037) 2017-09-07

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[13] A1
[51] **Int.Cl. C03B 35/20 (2006.01) C03B 23/03 (2006.01) C03B 23/035 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR BENDING PANES**
[54] **PROCEDE ET DISPOSITIF POUR CINTRER DES VITRES**
[72] PALMANTIER, ARTHUR, DE
[72] BRIS, JEAN JACQUES, FR
[72] PENNERS, JACK, DE
[72] ZEICHNER, ACHIM, DE
[72] KAHLEN, WERNER, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-28
[86] 2018-06-22 (PCT/EP2018/066744)
[87] (WO2019/025078)
[30] EP (17183928.5) 2017-07-31

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[13] A1
[51] **Int.Cl. B60W 30/08 (2012.01) B60K 35/00 (2006.01)**
[25] EN
[54] **DISPLAY CONTROL METHOD AND DISPLAY CONTROL DEVICE**
[54] **PROCEDE DE COMMANDE D'AFFICHAGE ET DISPOSITIF DE COMMANDE D'AFFICHAGE**
[72] KUSAYANAGI, YOSHINORI, JP
[72] WATANABE, SEIGO, JP
[72] YANAGI, TAKURA, JP
[72] ALEXANDER, JEANPHILIPPE, JP
[72] SAAD, TAREK, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-28
[86] 2017-07-28 (PCT/JP2017/027507)
[87] (WO2019/021471)

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[51] **Int.Cl. C03B 35/20 (2006.01) C03B 23/025 (2006.01) C03B 23/03 (2006.01) C03B 23/035 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR BENDING PANES**
[54] **PROCEDE ET DISPOSITIF POUR CINTRER DES VITRES**
[72] PALMANTIER, ARTHUR, DE
[72] PENNERS, JACK, DE
[72] ZEICHNER, ACHIM, DE
[72] KAHLEN, WERNER, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-28
[86] 2018-06-22 (PCT/EP2018/066747)
[87] (WO2019/025079)
[30] EP (17183930.1) 2017-07-31

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[51] **Int.Cl. B05B 1/30 (2006.01) H01F 7/18 (2006.01) B05B 1/20 (2006.01) F16K 31/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR OPERATING A SOLENOID VALVE**
[54] **SYSTEME ET METHODES POUR FAIRE FONCTIONNER UNE ELECTROVANNE**
[72] SCHRADER, KALE, US
[71] CAPSTAN AG SYSTEMS, INC., US
[85] 2020-01-27
[86] 2018-08-03 (PCT/US2018/045160)
[87] (WO2019/028345)
[30] US (62/540,630) 2017-08-03

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[13] A1
[51] **Int.Cl. H04W 72/12 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATIONS SANS FIL**
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2020-01-28
[86] 2017-07-31 (PCT/JP2017/027773)
[87] (WO2019/026158)

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[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01) C07C 251/86 (2006.01)**
[25] EN
[54] **ADDITIVE COMPOSITION FOR CULTURE MEDIUM, ADDITIVE COMPOUND FOR CULTURE MEDIUM, AND METHOD FOR CULTURE OF CELLS OR TISSUE USING SAME**
[54] **COMPOSITION ADDITIVE POUR MILIEU DE CULTURE, COMPOSE ADDITIF POUR MILIEU DE CULTURE, ET PROCEDE DE CULTURE DE CELLULES OU DE TISSU L'UTILISANT**
[72] NISHINO, TAITO, JP
[72] AIHARA, AYAKO, JP
[72] OTSUKA, KEIICHIRO, JP
[72] SARUHASHI, KOICHIRO, JP
[72] MIKASHIMA, TAKUMI, JP
[72] KAMAURA, MASAHIRO, JP
[71] NISSAN CHEMICAL CORPORATION, JP
[85] 2020-01-28
[86] 2018-07-27 (PCT/JP2018/028205)
[87] (WO2019/022222)
[30] JP (2017-147071) 2017-07-28
[30] JP (2017-239102) 2017-12-13

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[13] A1
[51] **Int.Cl. H04W 16/14 (2009.01) H04W 16/28 (2009.01) H04B 7/0456 (2017.01) H04B 7/06 (2006.01)**
[25] EN
[54] **CONTROL DEVICE, WIRELESS DEVICE, METHOD, AND RECORDING MEDIUM**
[54] **DISPOSITIF DE COMMANDE, DISPOSITIF SANS FIL, PROCEDE ET SUPPORT D'ENREGISTREMENT**
[72] FURUICHI, SHO, JP
[71] SONY CORPORATION, JP
[85] 2020-01-28
[86] 2018-05-09 (PCT/JP2018/017857)
[87] (WO2019/026375)
[30] JP (2017-151381) 2017-08-04

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[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01)**
[25] EN
[54] **SEQUENCING OUTPUT DETERMINATION AND ANALYSIS WITH TARGET-ASSOCIATED MOLECULES IN QUANTIFICATION ASSOCIATED WITH BIOLOGICAL TARGETS**
[54] **DETERMINATION ET ANALYSE DES SORTIES DE SEQUENCAGE A L'AIDE DE MOLECULES ASSOCIEES A UNE CIBLE DANS UNE QUANTIFICATION ASSOCIEE A DES CIBLES BIOLOGIQUES**
[72] TSAO, DAVID, US
[72] ATAY, OGUZHAN, US
[71] BILLIONTOONE, INC., US
[85] 2020-01-27
[86] 2018-08-06 (PCT/US2018/045419)
[87] (WO2019/028470)
[30] US (62/541,565) 2017-08-04

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **METHODS FOR LYSIS OF CELLS WITHIN A SAMPLE**
[54] **PROCEDES DE LYSE DE CELLULES DANS UN ECHANTILLON**
[72] MONTI, GABRIEL, US
[72] HALFORD, COLIN WYNN, US
[72] PEREBIKOVSKY, ALEXANDRA, US
[72] LIU, YUJIA, US
[72] KIDO, HORACIO, US
[72] HAAKE, DAVID ARNOLD, US
[72] MADOU, MARC, US
[72] GUSSIN, DANIEL, US
[72] CHURCHILL, BERNARD, US
[71] MICROBEDX, INC., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-01-28
[86] 2018-08-03 (PCT/US2018/045211)
[87] (WO2019/028381)
[30] US (62/541,418) 2017-08-04

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01J 49/05 (2017.01) B01D 53/18 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01) B01D 53/96 (2006.01) B01J 45/00 (2006.01) G01N 31/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR RECOVERING ACIDIC GAS**
[54] **PROCEDE ET SYSTEME DE RECUPERATION DE GAZ ACIDE**
[72] OKAMOTO, SHINICHI, JP
[72] NAKAMURA, SHINJI, JP
[72] HIRATA, TAKUYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2020-01-28
[86] 2018-10-16 (PCT/JP2018/038419)
[87] (WO2019/087762)
[30] JP (2017-210487) 2017-10-31

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[13] A1
[51] **Int.Cl. H04N 19/139 (2014.01) H04N 19/13 (2014.01) H04N 19/176 (2014.01) H04N 19/184 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHOD FOR ENCODING AND DECODING MOTION INFORMATION AND DEVICE FOR ENCODING AND DECODING MOTION INFORMATION**
[54] **PROCEDE DE CODAGE ET DE DECODAGE D'INFORMATIONS DE MOUVEMENT ET DISPOSITIF DE CODAGE ET DE DECODAGE D'INFORMATIONS DE MOUVEMENT**
[72] JEONG, SEUNG-SOO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2020-01-28
[86] 2018-09-12 (PCT/KR2018/010663)
[87] (WO2019/054736)
[30] US (62/557,414) 2017-09-12

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[13] A1
[51] **Int.Cl. E21B 43/00 (2006.01) F04B 47/06 (2006.01) F04D 29/58 (2006.01)**
[25] EN
[54] **SUBMERSIBLE PUMP ASSEMBLY WITH A SEALED MOTOR**
[54] **INSTALLATION DE POMPE IMMERGEE AVEC MOTEUR ETANCHE**
[72] PESHCHERENKO, MARINA PETROVNA, RU
[72] PESHCHERENKO, SERGEJ NIKOLAEVICH, RU
[72] LYKOVA, NATALYA ANATOLEVNA, RU
[71] AKTSIONERNOE OBSHCHESTVO "NOVOMET-PERM", RU
[85] 2020-01-28
[86] 2019-05-15 (PCT/RU2019/000337)
[87] (WO2019/226072)
[30] RU (2018118744) 2018-05-21

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[13] A1
[51] **Int.Cl. A41B 11/08 (2006.01)**
[25] EN
[54] **TOELESS GARMENT**
[54] **VETEMENT SANS POINTE**
[72] COWELL, WILLIAM, US
[71] HBI BRANDED APPAREL ENTERPRISES, LLC, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044066)
[87] (WO2019/023561)
[30] US (62/538,494) 2017-07-28

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[13] A1
[51] **Int.Cl. G08G 5/00 (2006.01) B61K 9/10 (2006.01)**
[25] EN
[54] **AN UNMANNED AERIAL VEHICLE SYSTEM FOR INSPECTING RAILROAD ASSETS**
[54] **SYSTEME DE VEHICULE AERIEN SANS PILOTE POUR INSPECTER DES ACTIFS FERROVIAIRES**
[72] GRAETZ, TODD, US
[72] GRISSUM, GARY, US
[72] MISCHKE, MICHAEL, US
[71] BNSF RAILWAY COMPANY, US
[85] 2020-01-28
[86] 2018-08-15 (PCT/US2018/000235)
[87] (WO2019/035960)
[30] US (62/545,946) 2017-08-15
[30] US (62/548,636) 2017-08-22
[30] US (16/103,643) 2018-08-14

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[13] A1
[51] **Int.Cl. G01R 22/06 (2006.01) G01R 31/08 (2020.01) G08B 17/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR HIGH TEMPERATURE DETECTION IN ELECTRIC METERS**
[54] **PROCEDE ET SYSTEME DE DETECTION DE HAUTE TEMPERATURE DANS DES COMPTEURS ELECTRIQUES**
[72] BROWN, MICHAEL R., US
[71] SENSUS SPECTRUM, LLC, US
[85] 2020-01-28
[86] 2018-07-23 (PCT/US2018/043229)
[87] (WO2019/027706)
[30] US (62/541,214) 2017-08-04

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[13] A1
[51] **Int.Cl. E04H 17/24 (2006.01) E01F 9/70 (2016.01)**
[25] EN
[54] **SYSTEM FOR DEPLOYING AND COLLECTING ROAD STICKS**
[54] **SYSTEME DE DEPLOIEMENT ET DE COLLECTE DE POTEAUX ROUTIERS**
[72] STROMSVAG, PEDER KRISTIAN, NO
[71] ROADTECH AS, NO
[85] 2020-01-28
[86] 2018-07-23 (PCT/NO2018/050198)
[87] (WO2019/027331)
[30] NO (20171303) 2017-08-04

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[13] A1
[51] **Int.Cl. C07K 14/54 (2006.01) A61K 47/54 (2017.01) A61K 47/60 (2017.01)**
[25] EN
[54] **INTERLEUKIN-21 MUTEINS AND METHODS OF TREATMENT**
[54] **MUTEINES D'INTERLEUKINE-21 ET METHODES DE TRAITEMENT**
[72] ALI, KHALED M.K.Z., US
[72] AGRAWAL, NEERAJ JAGDISH, US
[72] KANNAN, GUNASEKARAN, US
[72] FOLTZ, IAN, US
[72] WANG, ZHULUN, US
[72] BATES, DAREN, US
[72] MOCK, MARISSA, US
[72] TAKENAKA, SHUNSEKE, US
[71] AMGEN INC., US
[85] 2020-01-28
[86] 2018-08-03 (PCT/US2018/045105)
[87] (WO2019/028316)
[30] US (62/540,692) 2017-08-03
[30] US (62/616,733) 2018-01-12

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[13] A1
[51] **Int.Cl. A61K 31/4425 (2006.01) A61K 31/4178 (2006.01) A61P 21/04 (2006.01)**
[25] EN
[54] **USE AND COMPOSITION FOR TREATING MYASTHENIA GRAVIS AND OTHER MYASTHENIC SYNDROMES**
[54] **UTILISATION ET COMPOSITION POUR TRAITER LA MYASTHENIE GRAVE ET D'AUTRES SYNDROMES MYASTHENIQUES**
[72] CLARENCE-SMITH, KATHLEEN E., US
[71] GT BIOPHARMA, INC., US
[85] 2020-01-28
[86] 2018-01-08 (PCT/US2018/012754)
[87] (WO2018/129434)
[30] US (62/443,904) 2017-01-09

[21] **3,071,378**
[13] A1
[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/62 (2006.01)**
[25] EN
[54] **ROTATABLE CUTTERS AND ELEMENTS FOR USE ON EARTH-BORING TOOLS IN SUBTERRANEAN BOREHOLES, EARTH-BORING TOOLS INCLUDING SAME, AND RELATED METHODS**
[54] **DISPOSITIFS DE COUPE ROTATIFS ET ELEMENTS DESTINES A ETRE UTILISES SUR DES OUTILS DE FORAGE DE TERRE DANS DES TROUS DE FORAGE SOUTERRAINS, OUTILS DE FORAGE DE TERRE LES COMPRENANT, ET PROCEDES ASSOCIES**
[72] MOSS, WILLIAM A., JR., US
[72] BOEHM, ALEXANDER RODNEY, US
[72] SCHRODER, JON DAVID, US
[72] LOVELACE, KEGAN L., US
[72] BOMIDI, JOHN ABHISHEK RAJ, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-28
[86] 2018-07-25 (PCT/US2018/043613)
[87] (WO2019/023306)
[30] US (15/662,626) 2017-07-28

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[13] A1
[51] **Int.Cl. A61B 5/153 (2006.01) A61B 5/15 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **INTRAVENOUS CATHETER AND BLOOD COLLECTION DEVICE**
[54] **CATHETER INTRAVEINEUX ET DISPOSITIF DE COLLECTE DE SANG**
[72] ASBAGHI, HOOMAN A., US
[71] MMI, LLC, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044125)
[87] (WO2019/023599)
[30] US (62/538,381) 2017-07-28

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[13] A1
[51] **Int.Cl. F02M 25/025 (2006.01) F02B 47/02 (2006.01)**
[25] EN
[54] **AVIATION GASOLINE ENGINE COOLANT INJECTION SYSTEM**
[54] **SYSTEME D'INJECTION DE LIQUIDE DE REFROIDISSEMENT DE MOTEUR A ESSENCE D'AVIATION**
[72] D'ACOSTA, CHRIS, US
[72] STIRM, BRIAN, US
[72] ALBUZAT, THOMAS, DE
[71] SWIFT FUELS, LLC, US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044136)
[87] (WO2019/023607)
[30] US (62/537,725) 2017-07-27

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04W 24/02 (2009.01) H04W 24/04 (2009.01)**
[25] EN
[54] **SCINTILLATION MITIGATION IN GEOGRAPHICALLY DISTRIBUTED SATELLITE ACCESS NODES**
[54] **ATTENUATION DE SCINTILLATION DANS DES N□UDS D'ACCES PAR SATELLITE GEOGRAPHIQUEMENT DISTRIBUES**
[72] DANKBERG, MARK, US
[71] VIASAT, INC., US
[85] 2020-01-28
[86] 2018-01-25 (PCT/US2018/015238)
[87] (WO2019/027500)
[30] US (62/539,933) 2017-08-01

[21] **3,071,382**
[13] A1
[51] **Int.Cl. B01J 8/24 (2006.01) B01J 8/18 (2006.01) B01J 8/26 (2006.01) C10G 11/18 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR PROCESSING GAS STREAMS**
[54] **PROCEDES ET APPAREILS DE TRAITEMENT DE FLUX GAZEUX**
[72] PRETZ, MATTHEW T., US
[72] KODAM, MADHUSUDHAN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-28
[86] 2018-07-30 (PCT/US2018/044310)
[87] (WO2019/027870)
[30] US (62/538,987) 2017-07-31

[21] **3,071,383**
[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD137 ANTIBODIES**
[54] **ANTICORPS ANTI-CD137**
[72] FRYE, CHRISTOPHER CARL, US
[72] KALOS, MICHAEL DEWAIN, US
[72] KOTANIDES, HELEN, US
[72] SANDEFUR, STEPHANIE LYNN, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-01-28
[86] 2018-07-25 (PCT/US2018/043632)
[87] (WO2019/027754)
[30] US (62/539,687) 2017-08-01

[21] **3,071,384**
[13] A1
[51] **Int.Cl. B67D 1/04 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **BEVERAGE EXTRACTOR WITH CONTAINER DISENGAGEMENT FEATURE**
[54] **EXTRACTEUR DE BOISSON AVEC ELEMENT DE DEGAGEMENT DE RECIPIENT**
[72] DERUNTZ, OTTO, US
[71] CORAVIN, INC., US
[85] 2020-01-28
[86] 2018-07-30 (PCT/US2018/044316)
[87] (WO2019/027874)
[30] US (62/538,955) 2017-07-31

[21] **3,071,385**
[13] A1
[51] **Int.Cl. A61K 31/16 (2006.01) A61K 31/194 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **MANAGING NEPHROGENIC DIABETES INSIPIDUS**
[54] **GESTION DU DIABETE INSIPIDE NEPHROGENE**
[72] SANDS, JEFF, US
[72] KLEIN, JANET, US
[72] KHANNA, ISH, US
[72] PILLARISETTI, SIVARAM, US
[71] EMORY UNIVERSITY, US
[71] NEUROPN THERAPEUTICS, US
[85] 2020-01-28
[86] 2018-01-31 (PCT/US2018/016184)
[87] (WO2018/144570)
[30] US (62/452,616) 2017-01-31

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[13] A1
[51] **Int.Cl. E21B 10/42 (2006.01) E21B 10/54 (2006.01)**
[25] EN
[54] **EARTH-BORING TOOLS INCLUDING CUTTING ELEMENT PROFILES CONFIGURED TO REDUCE WORK RATES**
[54] **OUTILS DE FORAGE DU SOL COMPRENANT DES PROFILS D'ELEMENTS DE COUPE CONCUS POUR REDUIRE LES RYTHMES DE TRAVAIL**
[72] NISSLEY, TRAVIS, US
[72] BOEHM, ALEXANDER RODNEY, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-28
[86] 2018-07-26 (PCT/US2018/043941)
[87] (WO2019/023485)
[30] US (62/538,320) 2017-07-28

[21] **3,071,387**
[13] A1
[51] **Int.Cl. A61K 38/26 (2006.01)**
[25] EN
[54] **METHODS OF TREATING UREA CYCLE DISORDERS BY INTERFERING WITH GLUCAGON RECEPTOR SIGNALING**
[54] **METHODES DE TRAITEMENT DES TROUBLES LIES AU CYCLE DE L'UREE PAR INTERFERENCE AVEC LA SIGNALISATION DU RECEPTEUR DU GLUCAGON**
[72] OKAMOTO, HARUKA, US
[72] CHENG, XIPING, US
[72] GROMADA, JESPER, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-01-28
[86] 2018-08-21 (PCT/US2018/047286)
[87] (WO2019/040471)
[30] US (62/548,632) 2017-08-22

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[13] A1
[51] **Int.Cl. B65B 1/24 (2006.01) B30B 9/30 (2006.01) B30B 11/02 (2006.01) B65B 35/50 (2006.01) B65B 59/00 (2006.01) B65B 63/02 (2006.01) E04B 1/76 (2006.01) B30B 15/02 (2006.01)**
[25] EN
[54] **LOOSE-FILL MATERIAL COMPRESSING DEVICE AND METHOD FOR COMPRESSING LOOSE-FILL MATERIAL**
[54] **DISPOSITIF DE COMPRESSION DE MATERIAU PARTICULAIRE DE BOURRAGE ET PROCEDE DE COMPRESSION DE MATERIAU PARTICULAIRE DE BOURRAGE**
[72] BYNELIUS, JAN-OLOF, SE
[71] CELLULOSE INSULATION PRODUCTION SCANDINAVIA CPS AB, SE
[85] 2020-01-28
[86] 2017-07-24 (PCT/SE2017/050792)
[87] (WO2018/021956)
[30] SE (1651088-5) 2016-07-28

[21] **3,071,389**
[13] A1
[51] **Int.Cl. G01N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR TEAR ANALYSIS OF FILMS**
[54] **SYSTEME D'ANALYSE DE DECHIRURE DE FILMS**
[72] SOLANKI, SANJAY C., US
[72] MCCARTY, DONALD L., US
[72] GUNTHER, ROBERT A., US
[72] WANG, JIN, US
[72] MYERS, KYLE A., US
[72] COLLICK, SCOTT J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-28
[86] 2018-04-30 (PCT/US2018/030210)
[87] (WO2019/027518)
[30] US (62/539,399) 2017-07-31

[21] **3,071,390**
[13] A1
[51] **Int.Cl. H04N 21/231 (2011.01) H04N 21/24 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING FAULT TOLERANT STREAMING OF SEGMENTED CONTENT AND CACHE COHERENCY ON MULTI-HOSTED ORIGIN SYSTEMS**
[54] **SYSTEME ET PROCEDE DE FOURNITURE DE CONTENU SEGMENTE PAR DIFFUSION EN CONTINU A L'EPREUVE DES PANNES, ET DE COHERENCE DE CACHE, SUR DES SYSTEMES D'ORIGINE MULTI-HEBERGES**
[72] SAUER, MARK, CA
[72] SAUNDERS, ROBERT, US
[72] BORGES, DAVID, US
[71] SKITTER, INC., US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044017)
[87] (WO2019/023533)
[30] US (15/662,870) 2017-07-28

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[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 17/34 (2006.01) A61B 18/14 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DIRECTIONAL BALLOON TRANSSEPTAL INSERTION DEVICE FOR MEDICAL PROCEDURES**
[54] **DISPOSITIF D'INSERTION PAR VOIE TRANSSEPTALE DE BALLONNET DIRECTIONNEL POUR PROCEDURES MEDICALES**
[72] MAINI, BRIJESHWAR S., US
[71] EAST END MEDICAL LLC, US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044143)
[87] (WO2019/023609)
[30] US (62/538,552) 2017-07-28
[30] US (62/592,061) 2017-11-29

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[13] A1
[51] **Int.Cl. F28D 7/04 (2006.01) B33Y 80/00 (2015.01) F28F 1/00 (2006.01)**
[25] EN
[54] **FLUID ROUTING METHODS FOR A SPIRAL HEAT EXCHANGER WITH LATTICE CROSS SECTION MADE VIA ADDITIVE MANUFACTURING**
[54] **PROCEDES D'ACHEMINEMENT DE FLUIDE POUR ECHANGEUR DE CHALEUR EN SPIRALE A SECTION TRANSVERSALE EN TREILLIS FABRIQUE PAR FABRICATION ADDITIVE**
[72] LOPES, JEFFREY D., US
[71] FLUID HANDLING LLC, US
[85] 2020-01-28
[86] 2018-07-30 (PCT/US2018/044345)
[87] (WO2019/023703)
[30] US (62/538,214) 2017-07-28

[21] **3,071,393**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01)**
[25] EN
[54] **INTERFACE JOINT FOR AN ELECTROSURGICAL APPARATUS**
[54] **JOINT D'INTERFACE POUR APPAREIL ELECTROCHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] MONICO, ROHAN, GB
[72] HOPKINS, HUW, GB
[72] CRAVEN, TOM, GB
[72] MORRIS, STEVE, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2020-01-28
[86] 2018-08-15 (PCT/EP2018/072154)
[87] (WO2019/034709)
[30] GB (1713173.1) 2017-08-17

[21] **3,071,394**
[13] A1
[51] **Int.Cl. B26D 1/04 (2006.01) B26D 7/02 (2006.01) B26D 7/00 (2006.01)**
[25] EN
[54] **FILM CUTTING DEVICE HAVING A LINEAR ACTUATOR**
[54] **DISPOSITIF DE COUPE DE FILM AYANT UN ACTIONNEUR LINEAIRE**
[72] MCCARTY II, DONALD L., US
[72] GEE, WILLIAM E., US
[72] DOTSON, LARRY, US
[72] OCONNELL, PAUL, US
[72] ZIEMAN, JONATHAN J., US
[72] LUND, JOHN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-28
[86] 2018-04-30 (PCT/US2018/030253)
[87] (WO2019/027519)

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[13] A1
[51] **Int.Cl. B01J 29/04 (2006.01) B01J 14/00 (2006.01) B01J 29/82 (2006.01)**
[25] EN
[54] **REACTOR SYSTEM WITH UNEQUAL REACTOR ASSEMBLY OPERATING PRESSURES**
[54] **SYSTEME DE REACTEUR AVEC PRESSIONS DE FONCTIONNEMENT INEGALES D'ENSEMBLE DE REACTEUR**
[72] FAN, LIANG-SHIH, US
[72] WANG, DAWEI, US
[72] KATHE, MANDAR, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2020-01-28
[86] 2018-07-31 (PCT/US2018/044530)
[87] (WO2019/027972)
[30] US (62/539,374) 2017-07-31
[30] US (62/589,144) 2017-11-21
[30] US (62/565,565) 2017-09-29

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[13] A1
[51] **Int.Cl. H01B 3/44 (2006.01) C08K 3/36 (2006.01) C08K 5/5419 (2006.01) C08L 23/08 (2006.01) C08L 83/04 (2006.01)**
[25] EN
[54] **MOISTURE CURABLE COMPOSITION FOR WIRE AND CABLE INSULATION AND JACKET LAYERS**
[54] **COMPOSITION DURCISSABLE A L'HUMIDITE POUR COUCHES D'ISOLATION ET DE GAINE DE FILS ET DE CABLES**
[72] ZHANG, YICHI, US
[72] YU, XINDI, US
[72] CHAUDHARY, BHARAT I., US
[72] WITUCKI, GERALD LAWRENCE, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW SILICONES CORPORATION, US
[85] 2020-01-28
[86] 2018-07-31 (PCT/US2018/044496)
[87] (WO2019/027955)
[30] US (62/538,940) 2017-07-31

[21] **3,071,398**
[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING INDIVIDUAL AND/OR SYNCHRONIZED VIRTUAL TOURS THROUGH A REALM FOR A GROUP OF USERS**
[54] **SYSTEMES ET PROCEDES DE VISITES VIRTUELLES INDIVIDUELLES ET/OU SYNCHRONISEES DANS UN DOMAINE POUR UN GROUPE D'UTILISATEURS**
[72] SCHOONMAKER, JAMES, US
[72] DUNN, MATTHEW, US
[72] MULLINGS, KENO, US
[72] SEIBERT, STEPHEN, US
[71] EVERYSCAPE, INC., US
[85] 2020-01-28
[86] 2017-07-28 (PCT/US2017/044342)
[87] (WO2018/022977)
[30] US (15/224,077) 2016-07-29
[30] US (15/224,068) 2016-07-29
[30] US (62/368,471) 2016-07-29

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[13] A1
[51] **Int.Cl. A61B 5/107 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DESIGNING AND MANUFACTURING CUSTOM IMMOBILIZATION MOLDS FOR USE IN MEDICAL PROCEDURES**
[54] **SYSTEMES ET PROCEDES DE CONCEPTION ET DE FABRICATION DE MOULES D'IMMOBILISATION PERSONNALISES DESTINES A ETRE UTILISES LORS D'ACTES MEDICAUX**
[72] DEASY, JOSEPH OWEN, US
[72] BOOTH, PAUL R., US
[72] LEE, NANCY, US
[72] LOVELOCK, DALE MICHAEL, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044145)
[87] (WO2019/023610)
[30] US (62/538,506) 2017-07-28

[21] **3,071,400**
[13] A1
[51] **Int.Cl. B65D 81/32 (2006.01) B65D 33/01 (2006.01) B65D 33/25 (2006.01) B65D 75/30 (2006.01)**
[25] EN
[54] **MULTI-CHAMBER BAG**
[54] **SAC A CHAMBRES MULTIPLES**
[72] SCHUR, JOHAN, US
[72] SCHUR, HANS CHRISTIAN, US
[71] SCHUR STAR SYSTEMS, INC., US
[85] 2020-01-28
[86] 2018-08-01 (PCT/US2018/044833)
[87] (WO2019/028154)
[30] US (62/540,500) 2017-08-02

[21] **3,071,401**
[13] A1
[51] **Int.Cl. G01N 3/08 (2006.01)**
[25] EN
[54] **DEVICE FOR TEAR ANALYSIS OF FILMS**
[54] **DISPOSITIF D'ANALYSE DE DECHIRURE DE FILMS**
[72] SOLANKI, SANJAY C., US
[72] MCCARTY II, DONALD L., US
[72] GUNTHER, ROBERT A., US
[72] WANG, JIN, US
[72] MYERS, KYLE A., US
[72] HAYES, MARGARET C., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-28
[86] 2018-04-30 (PCT/US2018/030261)
[87] (WO2019/027520)
[30] US (62/539,025) 2017-07-31

[21] **3,071,402**
[13] A1
[51] **Int.Cl. D21H 17/37 (2006.01) D21H 21/18 (2006.01) D21H 21/20 (2006.01) D21H 21/24 (2006.01) D21H 21/52 (2006.01) D21H 23/04 (2006.01)**
[25] EN
[54] **DRY POLYMER APPLICATION METHOD**
[54] **PROCEDE D'APPLICATION DE POLYMERE SEC**
[72] LOWE, ROBERT M., US
[72] CHENG, WEIGUO, US
[72] JORDAN, DAVID, US
[72] HUANG, HEQING, US
[71] ECOLAB USA INC., US
[85] 2020-01-28
[86] 2018-07-31 (PCT/US2018/044562)
[87] (WO2019/027994)
[30] US (62/539,032) 2017-07-31

[21] **3,071,403**
[13] A1
[51] **Int.Cl. C09D 151/06 (2006.01) C08L 51/06 (2006.01) H01B 3/30 (2006.01)**
[25] EN
[54] **MOISTURE CURABLE COMPOSITION FOR WIRE AND CABLE INSULATION AND JACKET LAYERS**
[54] **COMPOSITION DURCISSABLE A L'HUMIDITE POUR COUCHES D'ISOLATION ET DE GAINAGE DE FILS ET DE CABLES**
[72] YU, XINDI, US
[72] ZHANG, YICHI, US
[72] CHAUDHARY, BHARAT I., US
[72] WITUCKI, GERALD LAWRENCE, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW SILICONES CORPORATION, US
[85] 2020-01-28
[86] 2018-07-31 (PCT/US2018/044510)
[87] (WO2019/027961)
[30] US (62/538,977) 2017-07-31

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[13] A1
[51] **Int.Cl. G01N 3/42 (2006.01)**
[25] EN
[54] **DEVICE FOR ANALYZING IMPACT AND PUNCTURE RESISTANCE**
[54] **DISPOSITIF D'ANALYSE D'IMPACT ET DE RESISTANCE A LA PERFORATION**
[72] MCCARTY, DONALD L., II, US
[72] SUTANTO, ERICK, US
[72] DOTSON, LARRY, US
[72] GLAD, BRAYDEN E., US
[72] SINGH, HITENDRA, US
[72] LUND, JOHN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-28
[86] 2018-04-30 (PCT/US2018/030277)
[87] (WO2019/027521)
[30] US (62/539,326) 2017-07-31

[21] **3,071,405**
[13] A1
[51] **Int.Cl. C07D 239/70 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **1, 2 - DIHYDRO- 3H- PYRAZOLO [3, 4 - D] PYRIMIDIN -3 - ONE ANALOGS**
[54] **ANALOGUES DE 1,2-DIHYDRO-3H-PYRAZOLO[3,4-D]PYRIMIDIN-3-ONE**
[72] HUANG, PETER QINHUA, US
[72] BOREN, BRANT CLAYTON, US
[72] BUNKER, KEVIN DUANE, US
[72] LIU, HUI, US
[72] PALIWAL, SUNIL, US
[71] RECURIUM IP HOLDINGS, LLC, US
[85] 2020-01-28
[86] 2018-07-31 (PCT/US2018/044580)
[87] (WO2019/028008)

[21] **3,071,407**
[13] A1
[51] **Int.Cl. B25J 15/00 (2006.01) B25J 15/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACQUIRING AND MOVING OBJECTS HAVING COMPLEX OUTER SURFACES**
[54] **SYSTEMES ET PROCEDES D'ACQUISITION ET DE DEPLACEMENT D'OBJETS PRESENTANT DES SURFACES EXTERIEURES COMPLEXES**
[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] 2020-01-28
[86] 2018-08-01 (PCT/US2018/044819)
[87] (WO2019/028146)
[30] US (62/540,355) 2017-08-02

[21] **3,071,408**
[13] A1
[51] **Int.Cl. A61B 18/00 (2006.01) A61B 18/04 (2006.01) A61B 18/12 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR TREATMENT OF SKIN CONDITIONS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE TROUBLES CUTANES**
[72] MILLER, VANDANA, US
[72] FRIDMAN, GREGORY, US
[72] LIN, ABRAHAM, US
[72] FRIDMAN, ALEXANDER, US
[72] FRIEDMAN, PETER C., US
[71] DREXEL UNIVERSITY, US
[71] FRIEDMAN, PETER C., US
[85] 2020-01-28
[86] 2017-08-01 (PCT/US2017/044791)
[87] (WO2018/026750)
[30] US (62/369,491) 2016-08-01

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[51] **Int.Cl. G01N 3/42 (2006.01)**
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[54] **SYSTEM FOR ANALYZING IMPACT AND PUNCTURE RESISTANCE**
[54] **SYSTEME D'ANALYSE D'IMPACT ET DE RESISTANCE A LA PERFORATION**
[72] MCCARTY II, DONALD L., US
[72] SUTANTO, ERICK, US
[72] LUND, JOHN, US
[72] GLAD, BRAYDEN E., US
[72] SINGH, HITENDRA, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-01-28
[86] 2018-04-30 (PCT/US2018/030298)
[87] (WO2019/027522)
[30] US (62/539,381) 2017-07-31

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[51] **Int.Cl. G01S 7/491 (2020.01) G01S 17/89 (2020.01) G05D 1/02 (2020.01)**
[25] EN
[54] **USE OF EXTENDED DETECTION PERIODS FOR RANGE ALIASING DETECTION AND MITIGATION IN A LIGHT DETECTION AND RANGING (LIDAR) SYSTEM**
[54] **UTILISATION DE PERIODES DE DETECTION ETENDUES POUR LA DETECTION ET L'ATTENUATION D'UN REPLIEMENT DE PORTEE DANS UN SYSTEME DE DETECTION ET DE LOCALISATION PAR LA LUMIERE (LIDAR)**
[72] SHAND, MARK ALEXANDER, US
[71] WAYMO LLC, US
[85] 2020-01-28
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[87] (WO2019/027567)
[30] US (15/665,591) 2017-08-01

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[51] **Int.Cl. B23Q 15/013 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CUTTING TRUE WITH A ROUND SAW**
[54] **PROCEDE ET APPAREIL DE COUPE PRECISE A L'AIDE D'UNE SCIE CIRCULAIRE**
[72] MYRFIELD, WARREN JR., US
[71] MYRFIELD, WARREN JR., US
[85] 2020-01-28
[86] 2017-08-17 (PCT/US2017/047453)
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[30] US (62/376,762) 2016-08-18
[30] US (15/680,135) 2017-08-17

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[51] **Int.Cl. E02F 3/00 (2006.01) E02F 3/40 (2006.01) E02F 9/00 (2006.01)**
[25] EN
[54] **BUCKET LIP STABILIZER STRUCTURE**
[54] **STRUCTURE DE STABILISATEUR DE REBORD DE GODET**
[72] JAKUBISIN, JOHN SCOTT, US
[72] AUG, KEITH DANIEL, US
[72] BILAL, MOHAMAD YOUSSEF, US
[71] HENSLEY INDUSTRIES, INC., US
[85] 2020-01-28
[86] 2018-08-03 (PCT/US2018/045178)
[87] (WO2019/032398)
[30] US (62/542,079) 2017-08-07
[30] US (16/052,741) 2018-08-02

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[13] A1
[51] **Int.Cl. G01N 24/08 (2006.01) G01N 15/08 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING BULK DENSITY, POROSITY, AND PORE SIZE DISTRIBUTION OF SUBSURFACE FORMATIONS**
[54] **PROCEDES ET SYSTEMES POUR DETERMINER LA DENSITE APPARENTE, LA POROSITE ET LA DISTRIBUTION DES RAYONS DE PORES DE FORMATIONS SOUTERRAINES**
[72] ZHANG, JILIN, US
[72] ALTHAUS, STACEY M., US
[72] CHEN, JIN-HONG, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-28
[86] 2018-08-09 (PCT/US2018/045931)
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[30] US (15/673,996) 2017-08-10

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[51] **Int.Cl. G01N 3/08 (2006.01)**
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[54] **SYSTEM FOR TENSILE TESTING FILMS**
[54] **SYSTEME POUR FILMS DE TEST DE TRACTION**
[72] MCCARTY II, DONALD L., US
[72] GEE, WILLIAM E., US
[72] OCONNELL, PAUL, US
[72] ZIEMAN, JONATHAN J., US
[72] LUND, JOHN, US
[72] SINGH, HITENDRA, US
[72] COLLICK, SCOTT J., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[86] 2018-06-08 (PCT/US2018/036700)
[87] (WO2019/027570)
[30] US (62/539,340) 2017-07-31

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[51] **Int.Cl. B61L 23/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INSPECTING A RAILROAD TRACK**
[54] **SYSTEMES ET PROCEDES D'INSPECTION D'UNE VOIE FERREE**
[72] CHEN, XIN, US
[72] LIU, ZHIPENG, US
[71] ENSCO, INC., US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044149)
[87] (WO2019/023613)
[30] US (62/538,524) 2017-07-28

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[51] **Int.Cl. C07K 14/435 (2006.01)**
[25] EN
[54] **FUSION TAGS FOR RECOMBINANT PROTEIN EXPRESSION**
[54] **ETIQUETTES DE FUSION PERMETTANT D'EXPRIMER DES PROTEINES RECOMBINANTES**
[72] HECHT, MICHAEL, US
[72] ZARZHITSKY, SHLOMO, US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044156)
[87] (WO2019/023616)
[30] US (62/538,505) 2017-07-28

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[51] **Int.Cl. E21B 17/046 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL COUPLING SYSTEM**
[54] **SYSTEME D'ACCOUPLEMENT D'OUTIL DE FOND DE TROU**
[72] LIESS, MARTIN, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044162)
[87] (WO2019/032315)
[30] US (15/670,897) 2017-08-07

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[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61P 13/08 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING ABIRATERONE ACETATE AND DARULOTAMIDE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE L'ACETATE D'ABIRATERONE ET DU DAROLUTAMIDE**
[72] UJHELYI, ANDREA, MT
[72] ERDOSI, NIKOLETTA, MT
[72] SZABONE ORDASI, BETTI, MT
[72] JORDAN, TAMAS, MT
[72] SOLYMOSI, TAMAS, MT
[72] GLAVINAS, HRISTOS, MT
[71] NANGENEX NANOTECHNOLOGY INCORPORATED, MT
[85] 2020-01-28
[86] 2018-08-09 (PCT/US2018/046030)
[87] (WO2019/032840)
[30] US (62/543,023) 2017-08-09

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[51] **Int.Cl. A23J 1/00 (2006.01) A23J 1/12 (2006.01) C12C 1/16 (2006.01)**
[25] EN
[54] **PROTEIN EXTRACTION FROM SPENT GRAINS**
[54] **EXTRACTION DE PROTEINES A PARTIR DE DRECHES DE BRASSERIE**
[72] MCEWAN, RODERICK NAIRN, GB
[72] WHITE, RODERICK IAN, GB
[71] COORS BREWING COMPANY, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044198)
[87] (WO2019/023647)
[30] US (62/538,463) 2017-07-28

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[13] A1
[51] **Int.Cl. A61K 31/706 (2006.01) A61K 31/455 (2006.01) A61K 38/17 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF TREATMENT USING NICOTINAMIDE MONONUCLEOTIDE**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT UTILISANT UN MONONUCLEOTIDE DE NICOTINAMIDE**
[72] IMAI, SHIN-ICHIRO, US
[72] GROZIO, ALESSIA, US
[71] WASHINGTON UNIVERSITY, US
[85] 2020-01-28
[86] 2018-08-10 (PCT/US2018/046233)
[87] (WO2019/032973)
[30] US (62/543,856) 2017-08-10
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[13] A1
[51] **Int.Cl. B61L 23/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR VISUALIZING AND ANALYZING A RAIL SURFACE**
[54] **SYSTEMES ET PROCEDES DE VISUALISATION ET D'ANALYSE D'UNE SURFACE DE RAIL**
[72] DICK, MATTHEW, US
[72] LIU, ZHIPENG, US
[72] YILMA, SAMSON, US
[71] ENSCO, INC., US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044212)
[87] (WO2019/023658)
[30] US (62/538,531) 2017-07-28
[30] US (62/538,894) 2017-07-31

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[13] A1
[51] **Int.Cl. G07C 9/00 (2020.01)**
[25] EN
[54] **LIGHT SEQUENCED CARD VALIDATION**
[54] **VALIDATION DE CARTE PAR SEQUENCE LUMINEUSE**
[72] KAYHANI, NIOSHA, GB
[72] REYMANN, STEFFEN, GB
[71] CUBIC CORPORATION, US
[85] 2020-01-28
[86] 2018-08-13 (PCT/US2018/046438)
[87] (WO2019/033091)
[30] US (62/544,489) 2017-08-11

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[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **LTBP COMPLEX-SPECIFIC INHIBITORS OF TGF-BETA 1 AND USES THEREOF**
[54] **INHIBITEURS SPECIFIQUES DU COMPLEXE LTBP DE TGF-BETA 1 ET LEURS UTILISATIONS**
[72] SCHURPF, THOMAS, US
[72] LITTLEFIELD, CHRISTOPHER, US
[72] CARVEN, GREGORY J., US
[72] DATTA, ABHISHEK, US
[71] SCHOLAR ROCK, INC., US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044216)
[87] (WO2019/023661)
[30] US (62/538,476) 2017-07-28
[30] US (62/585,148) 2017-11-13

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[51] **Int.Cl. F02D 41/14 (2006.01) C01B 3/36 (2006.01) F02B 39/10 (2006.01) F02D 41/00 (2006.01) F02M 31/135 (2006.01) F02P 5/15 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINE AS A CHEMICAL REACTOR TO PRODUCE SYNTHESIS GAS FROM HYDROCARBON FEEDS**
[54] **MOTEUR A COMBUSTION INTERNE EN TANT QUE REACTEUR CHIMIQUE POUR PRODUIRE UN GAZ DE SYNTHESE A PARTIR DE CHARGES D'HYDROCARBURES**
[72] CARPENTER III, JOHN REEVES, US
[72] BARBEE, DAVID DOUGLAS, US
[72] AGARWAL, APOORV, US
[71] RESEARCH TRIANGLE INSTITUTE, US
[85] 2020-01-28
[86] 2018-09-24 (PCT/US2018/052367)
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[30] US (62/565,844) 2017-09-29

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[51] **Int.Cl. C09K 8/504 (2006.01) C04B 28/24 (2006.01) C04B 28/26 (2006.01) C09K 8/506 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **LOSS CIRCULATION MATERIAL COMPOSITION HAVING ALKALINE NANOPARTICLE BASED DISPERSION AND WATER INSOLUBLE HYDROLYSABLE POLYESTER**
[54] **COMPOSITION DE MATERIAU DE CIRCULATION PERDUE DE TYPE DISPERSION A BASE DE NANOPARTICULES ALCALINES ET POLYESTER HYDROLYSABLE INSOLUBLE DANS L'EAU**
[72] WAGLE, VIKRANT, SA
[72] KALGAONKAR, RAJENDRA, SA
[72] AL-YAMI, ABDULLAH, SA
[72] ALSAIHATI, ZAINAB, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-28
[86] 2018-08-17 (PCT/US2018/046830)
[87] (WO2019/036553)
[30] US (15/679,884) 2017-08-17

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[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 20/06 (2012.01) G06F 9/54 (2006.01) H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING AN INTERFACE FOR A BLOCKCHAIN CLOUD SERVICE**
[54] **SYSTEME ET PROCEDE DE FOURNITURE D'UNE INTERFACE POUR UN SERVICE EN NUAGE A CHAINE DE BLOCS**
[72] LITTLE, TODD, US
[72] SHI, PIERCE, CN
[72] LI, JARED, CN
[72] ZHOU, SHI XIANG (DECEASED), CN
[72] ZHU, WEIGUO, CN
[72] ZHU, SHENG, CN
[72] LI, SHUN, CN
[72] JIN, JIM, CN
[72] ZHANG, QINGSHENG, CN
[71] ORACLE INTERNATIONAL CORPORATION, US
[85] 2020-01-28
[86] 2018-09-28 (PCT/US2018/053553)
[87] (WO2019/067986)
[30] US (62/565,999) 2017-09-29
[30] US (16/141,329) 2018-09-25
[30] US (16/141,337) 2018-09-25
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[51] **Int.Cl. C09K 8/504 (2006.01) C04B 28/24 (2006.01) C04B 28/26 (2006.01) C09K 8/506 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **LOSS CIRCULATION MATERIAL COMPOSITION HAVING ALKALINE NANOPARTICLE BASED DISPERSION AND WATER SOLUBLE HYDROLYSABLE ESTER**
[54] **COMPOSITION DE COLMATANT COMPRENANT UNE DISPERSION A BASE DE NANOPARTICULES ALCALINES ET UN ESTER HYDROLYSABLE HYDROSOLUBLE**
[72] WAGLE, VIKRANT, SA
[72] KALGAONKAR, RAJENDRA, SA
[72] AL-YAMI, ABDULLAH, SA
[72] ALSAIHATI, ZAINAB, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-01-28
[86] 2018-08-17 (PCT/US2018/046833)
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[30] US (15/679,890) 2017-08-17

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[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 18/14 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **DIRECTIONAL BALLOON TRANSSEPTAL INSERTION DEVICE FOR MEDICAL PROCEDURES**
[54] **DISPOSITIF D'INSERTION TRANSSEPTAL A BALLONNET DIRECTIONNEL POUR PROCEDURES MEDICALES**
[72] MAINI, BRIJESHWAR S., US
[71] EAST END MEDICAL LLC, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044207)
[87] (WO2019/023653)
[30] US (62/538,552) 2017-07-28
[30] US (62/592,061) 2017-11-29

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[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **LIGHT-BASED VAGINAL THERAPY DEVICE**
[54] **DISPOSITIF DE THERAPIE VAGINALE A BASE DE LUMIERE**
[72] KLANG, GREGG ALAN, US
[71] CERN CORP., US
[85] 2020-01-27
[86] 2018-07-27 (PCT/US2018/044221)
[87] (WO2019/023664)
[30] US (62/537,899) 2017-07-27

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[13] A1
[51] **Int.Cl. B01J 20/22 (2006.01) B01D 53/04 (2006.01)**
[25] EN
[54] **METAL-ORGANIC FRAMEWORKS APPENDED WITH CYCLIC DIAMINES FOR CARBON DIOXIDE CAPTURE**
[54] **STRUCTURES ORGANOMETALLIQUES AJOUTEES A DES DIAMINES CYCLIQUES POUR LA CAPTURE DE DIOXYDE DE CARBONE**
[72] LONG, JEFFREY R., US
[72] WESTON, SIMON CHRISTOPHER, US
[72] MILNER, PHILLIP J., US
[72] SIEGELMAN, REBECCA L., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
[85] 2020-01-28
[86] 2018-08-03 (PCT/US2018/045259)
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[30] US (62/541,616) 2017-08-04

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[13] A1
[51] **Int.Cl. C12Q 1/02 (2006.01) C12Q 1/18 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHODS FOR ANTIMICROBIAL SUSCEPTIBILITY TESTING**
[54] **PROCEDES D'ESSAI DE LA SENSIBILITE A DES AGENTS ANTIMICROBIENS**
[72] CHURCHILL, BERNARD, US
[72] CHURCHMAN, SCOTT ADAM, US
[72] HAAKE, DAVID ARNOLD, US
[72] HALFORD, COLIN WYNN, US
[72] KNAUF, ROGER, US
[72] MONTI, GABRIEL, US
[72] KIDO, HORACIO, US
[72] MADOU, MARC, US
[72] PEREBIKOVSKY, ALEXANDRA, US
[72] LIU, YUJIA, US
[72] GUSSIN, DANIEL, US
[71] MICROBEDX, INC., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-01-28
[86] 2018-08-20 (PCT/US2018/047075)
[87] (WO2019/036715)
[30] US (62/547,361) 2017-08-18
[30] US (62/552,332) 2017-08-30
[30] US (PCT/US2018/045211) 2018-08-03
[30] US (62/671,380) 2018-05-14

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[13] A1
[51] **Int.Cl. A61L 27/38 (2006.01) C12N 5/077 (2010.01) A61L 27/22 (2006.01) A61L 27/52 (2006.01) C12M 3/00 (2006.01) C12M 3/06 (2006.01)**
[25] EN
[54] **ARTIFICIAL CARTILAGE AND METHOD FOR ITS PRODUCTION**
[54] **CARTILAGE ARTIFICIEL SON PROCEDE DE PRODUCTION**
[72] JENNER, FLORIEN, AT
[72] ROSSER, JULIE, AT
[72] ERTL, PETER, AT
[71] VETERINARMEDIZINISCHE UNIVERSITAT WIEN, AT
[71] TECHNISCHE UNIVERSITAT WIEN, AT
[85] 2020-01-28
[86] 2018-08-22 (PCT/EP2018/072658)
[87] (WO2019/038322)
[30] EP (17187267.4) 2017-08-22

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[13] A1
[51] **Int.Cl. C07C 67/39 (2006.01) B01J 8/22 (2006.01) C07C 69/54 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCTION OF METHYL METHACRYLATE BY OXIDATIVE ESTERIFICATION USING A HETEROGENEOUS CATALYST**
[54] **PROCEDE DE PRODUCTION DE METHACRYLATE DE METHYLE PAR ESTERIFICATION OXYDATIVE A L'AIDE D'UN CATALYSEUR HETEROGENE**
[72] KRAPTCHETOV, DMITRI A., US
[72] LIMBACH, KIRK W., US
[72] HICKMAN, DANIEL A., US
[72] HERRON, JEFFREY, US
[72] OLSON, KURT W., US
[72] BLAYLOCK, D. WAYNE, US
[71] ROHM AND HAAS COMPANY, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-01-28
[86] 2018-06-25 (PCT/US2018/039231)
[87] (WO2019/022886)
[30] US (62/538,232) 2017-07-28

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[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06F 21/32 (2013.01) G06K 9/62 (2006.01)**
[25] EN
[54] **INTELLIGENT GALLERY MANAGEMENT FOR BIOMETRICS**
[54] **GESTION DE GALERIES INTELLIGENTE DESTINEE A LA BIOMETRIE**
[72] LUPOWITZ, KEVIN, US
[71] ALCLEAR, LLC, US
[85] 2020-01-28
[86] 2018-07-27 (PCT/US2018/044238)
[87] (WO2019/023677)
[30] US (62/538,348) 2017-07-28

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[13] A1
[51] **Int.Cl. E04F 19/06 (2006.01) E04B 1/38 (2006.01) E04B 1/684 (2006.01) E04B 2/00 (2006.01) E04B 9/24 (2006.01) E04C 2/38 (2006.01)**
[25] EN
[54] **SHEET MATERIAL CONNECTOR**
[54] **RACCORD POUR MATERIAU EN FORME DE FEUILLE**
[72] MARINUCCI, ROBERT, US
[71] MARINUCCI, ROBERT, US
[85] 2020-01-28
[86] 2018-08-07 (PCT/US2018/045568)
[87] (WO2019/032559)
[30] US (62/542,576) 2017-08-08

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[13] A1
[51] **Int.Cl. A01H 1/06 (2006.01) A01H 5/12 (2018.01) A24B 13/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR VIRAL-BASED GENE EDITING IN PLANTS**
[54] **PROCEDES ET COMPOSITIONS POUR L'EDITION DE GENES A BASE DE VIRUS DANS DES PLANTES**
[72] LI, XINGPENG, US
[72] HE, YIJIAN, US
[72] POGUE, GREGORY P., US
[72] HIATT, EMMETT ERNEST, US
[72] LAWSON, DARLENE MADELINE, US
[71] R. J. REYNOLDS TOBACCO COMPANY, US
[85] 2020-01-28
[86] 2018-07-30 (PCT/US2018/044285)
[87] (WO2019/027861)
[30] US (62/539,160) 2017-07-31

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[13] A1
[51] **Int.Cl. B64F 1/36 (2017.01) B60H 1/00 (2006.01) B64D 13/06 (2006.01) F25B 30/00 (2006.01)**
[25] EN
[54] **TEMPERATURE CONTROL EQUIPMENT FOR INSIDE AIRCRAFT OR SIMILAR**
[54] **MATERIEL DE CLIMATISATION POUR L'INTERIEUR D'AERONEFS OU SIMILAIRES**
[72] PUIG OLIVERAS, ORIOL, ES
[71] ADELTE AIRPORT TECHNOLOGIES, S.L., ES
[85] 2020-01-28
[86] 2018-07-23 (PCT/ES2018/070523)
[87] (WO2019/025653)
[30] ES (P201731009) 2017-08-04

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/0478 (2006.01) A61B 5/0482 (2006.01) A61M 21/02 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEDITATION ENHANCEMENT**
[54] **SYSTEMES ET PROCEDES D'AMELIORATION DE MEDITATION**
[72] BADRAN, BASHAR, US
[72] SHORT, BARON, US
[71] BODHI NEURO TECH, INC., US
[85] 2020-01-28
[86] 2018-08-08 (PCT/US2018/045799)
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[25] EN
[54] **TEMPO-CELLULOSE STRUCTURES AND RELATED METHODS**
[54] **STRUCTURES DE TEMPO-CELLULOSE ET PROCEDES ASSOCIES**
[72] MOORE, JOHN P., II, US
[72] HESTEKIN, JAMIE, US
[72] CROOKS, PETER, US
[72] PENTHALA, NARSIMHA REDDY, US
[72] BOMMAGANI, SHOBANBABU, US
[72] DACHAVARAM, SOMA SHEKAR, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US
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[30] US (62/538,375) 2017-07-28

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[25] EN
[54] **RANK NETWORK ASSETS BASED ON DOWNSTREAM EVENTS AND MEASUREMENTS**
[54] **CLASSEMENT D'ACTIFS DE RESEAU SUR LA BASE D'EVENEMENTS ET DE MESURES EN AVAL**
[72] KULOOR, SOORYA, US
[72] KULOOR, CHETHANA, US
[72] BUGGAVEETI, SRAVAN, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2020-01-28
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[25] EN
[54] **POLYETHER DERIVATIVES, USES, AND METHODS OF MAKING THE SAME**
[54] **DERIVES DE POLYETHER, LEURS UTILISATIONS ET LEURS PROCEDES DE FABRICATION**
[72] FOLEY, PATRICK, US
[72] YANG, YONGHUA, US
[72] SALAM, TANIA, US
[71] P2 SCIENCE, INC., US
[85] 2020-01-27
[86] 2018-07-31 (PCT/US2018/044657)
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[25] EN
[54] **INTERCHANGEABLE BASE STEEL STRUCTURE STORAGE ASSEMBLY**
[54] **ENSEMBLE DE STOCKAGE A STRUCTURE EN ACIER DE BASE INTERCHANGEABLE**
[72] HARRISON, RONALD K., CA
[71] HARRISON, RONALD K., CA
[85] 2020-01-29
[86] 2018-07-30 (PCT/CA2018/050924)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF CANCER**
[54] **PROCEDES ET COMPOSITIONS DE TRAITEMENT DU CANCER**
[72] REFAELI, YOSEF, US
[72] TURNER, BRIAN C., US
[72] BIRD, GREGORY ALAN, US
[71] TAIGA BIOTECHNOLOGIES, INC., US
[85] 2020-01-27
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[51] **Int.Cl. H05H 6/00 (2006.01) A61K 51/02 (2006.01) G21G 1/10 (2006.01)**
[25] EN
[54] **SYSTEM, APPARATUS AND METHOD FOR PRODUCING GALLIUM RADIOISOTOPES ON PARTICLE ACCELERATORS USING SOLID TARGETS AND GA-68 COMPOSITION PRODUCED BY SAME**
[54] **SYSTEME, APPAREIL ET PROCEDE DE PRODUCTION DE RADIO-ISOTOPES DE GALLIUM SUR DES ACCELERATEURS DE PARTICULES AU MOYEN DE CIBLES SOLIDES ET COMPOSITION DE GA-68 PRODUITE SELON LE PROCEDE**
[72] ZEISLER, STEFAN, CA
[72] KUMLIN, JOEL OSCAR OLSSON, CA
[71] ZEISLER, STEFAN, CA
[71] KUMLIN, JOEL OSCAR OLSSON, CA
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[30] US (62/538,954) 2017-07-31

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[25] EN
[54] **SHIPPER BAG PROVIDING FLUID-ASSISTED CONTAINER EVACUATION**
[54] **SAC D'EXPEDITION OFFRANT UNE EVACUATION DE RECIPIENT ASSISTEE PAR FLUIDE**
[72] MCGONNELL, AARON, US
[72] WILCOX, DONALD E., US
[71] A.R. ARENA PRODUCTS, INC., US
[85] 2020-01-27
[86] 2018-08-02 (PCT/US2018/044944)
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[30] US (15/666,972) 2017-08-02

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[25] EN
[54] **IMPROVED ELECTROCHEMICAL CELLS FOR HIGH-ENERGY BATTERY USE**
[54] **ELEMENTS ELECTROCHIMIQUES AMELIORES DESTINES A ETRE UTILISES DANS UNE BATTERIE HAUTE ENERGIE**
[72] KOVACS, ANDRAS, FI
[72] LLOYD, DAVID, FI
[72] BROWN, DAVID PAUL, FI
[71] BROADBIT BATTERIES OY, FI
[85] 2020-01-28
[86] 2018-08-02 (PCT/FI2018/050571)
[87] (WO2019/025663)
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[51] **Int.Cl. E01D 11/04 (2006.01) E01D 19/14 (2006.01) E01D 19/16 (2006.01)**
[25] FR
[54] **IMPROVED ASSEMBLY COMPRISING A STRUCTURAL CABLE AND A SADDLE**
[54] **ENSEMBLE AMELIORE COMPRENANT UN CABLE DE STRUCTURE ET UNE SELLE**
[72] FABRY, NICOLAS, FR
[72] VINCENT, NICOLAS, FR
[72] DUMESNIL, FRANCIS, FR
[71] SOLETANCHE FREYSSINET, FR
[85] 2020-01-28
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[51] **Int.Cl. E21B 34/14 (2006.01) F16K 31/122 (2006.01)**
[25] EN
[54] **VALVE AND METHOD**
[54] **VANNE , ET PROCEDE**
[72] STOLBOUSHKIN, EUGENE, US
[72] WOUDWIJK, ROY, US
[72] SNITKOFF, JOSHUA RAYMOND, US
[72] ABDELFATTAH, TARIK, US
[72] PETERSON, ELMER, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-01-28
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[25] EN
[54] **ESTABLISHING TOPOGRAPHIC ORGANIZATION IN THREE-DIMENSIONAL TISSUE CULTURE**
[54] **ETABLISSEMENT D'UNE ORGANISATION TOPOGRAPHIQUE DANS UNE CULTURE DE TISSU EN TROIS DIMENSIONS**
[72] STUDER, LORENZ, US
[72] CEDERQUIST, GUSTAV, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2020-01-27
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[25] EN
[54] **RETRACTABLE PROPELLER DRIVEN PEDAL SYSTEM AND METHOD OF USE**
[54] **SYSTEME DE PEDALE ENTRAINE PAR UNE HELICE RETRACTABLE ET PROCEDE D'UTILISATION**
[72] FARBER, ROBERT, CA
[71] GSC TECHNOLOGIES INC., CA
[85] 2020-01-27
[86] 2018-07-25 (PCT/IB2018/000975)
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[51] **Int.Cl. G06F 15/16 (2006.01) G06Q 10/06 (2012.01) G06F 21/57 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **REDUCING CYBERSECURITY RISK LEVEL OF A PORTFOLIO OF COMPANIES USING A CYBERSECURITY RISK MULTIPLIER**
[54] **REDUCTION DU NIVEAU DE RISQUE DE CYBERSECURITE D'UN PORTEFEUILLE DE SOCIETES A L'AIDE D'UN MULTIPLICATEUR DE RISQUE DE CYBERSECURITE**
[72] MO, JUE, US
[72] VARGAS, LUIS, US
[72] SOHVAL, A. ROBERT, US
[71] SECURITYSCORECARD, INC., US
[85] 2020-01-28
[86] 2018-07-19 (PCT/US2018/042957)
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[51] **Int.Cl. B26D 5/00 (2006.01) B26D 1/38 (2006.01) B26D 7/22 (2006.01) H01B 15/00 (2006.01) H02G 1/02 (2006.01)**
[25] EN
[54] **HOISTABLE CUTTER**
[54] **MOYEN DE DECOUPE APTE AU TREUILLAGE**
[72] LEMKE, TRENT JAMES, CA
[72] BURFORD, SCOTT RICHARD, US
[72] YIP, RYAN QUINN, CA
[71] ASCENT HELICOPTERS LTD., CA
[85] 2020-01-29
[86] 2018-08-03 (PCT/CA2018/050953)
[87] (WO2019/023810)
[30] CA (2,975,547) 2017-08-04

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[51] **Int.Cl. A47C 20/04 (2006.01) A47C 19/12 (2006.01) A61G 7/015 (2006.01)**
[25] EN
[54] **ADJUSTABLE FURNITURE**
[54] **MOBILIER REGLABLE**
[72] BROWN, PAUL, GB
[71] MOTUS MECHANICS LTD, GB
[85] 2020-01-28
[86] 2018-07-27 (PCT/GB2018/052150)
[87] (WO2019/021025)
[30] GB (1712186.4) 2017-07-28

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[25] EN
[54] **COMPRESSION CONNECTOR**
[54] **CONNECTEUR A COMPRESSION**
[72] ROBICHEAU, RICHARD E., US
[72] RUGGIERO, GLEN HARRISON, US
[72] MICHAUD, BENJAMIN JOSEPH, US
[71] HUBBELL INCORPORATED, US
[85] 2020-01-28
[86] 2018-08-20 (PCT/US2018/047109)
[87] (WO2019/040378)
[30] US (62/547,862) 2017-08-20

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[51] **Int.Cl. E05D 15/06 (2006.01) E05D 5/02 (2006.01)**
[25] EN
[54] **DEVICE FOR SECURING PANES OF GLASS FOR SLIDING DOORS**
[54] **DISPOSITIF DE FIXATION DE VITRES POUR DES PORTES COULISSANTES**
[72] TARREGA KLEIN, MARC, ES
[71] KLEIN IBERICA S.A.U., ES
[85] 2020-01-22
[86] 2018-08-02 (PCT/ES2018/070542)
[87] (WO2019/025658)
[30] ES (U201730930) 2017-08-02

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[51] **Int.Cl. A61L 27/36 (2006.01) B01F 7/00 (2006.01) B01L 1/00 (2006.01) B01L 3/00 (2006.01) C12M 1/10 (2006.01) C12N 1/38 (2006.01) C12Q 1/04 (2006.01)**
[25] EN
[54] **DEVICE FOR OPTIMIZATION OF MICROORGANISM GROWTH IN LIQUID CULTURE**
[54] **DISPOSITIF POUR L'OPTIMISATION DE LA CROISSANCE DE MICRO-ORGANISMES EN CULTURE LIQUIDE**
[72] PEREBIKOVSKY, ALEXANDRA, US
[72] CHURCHILL, BERNARD, US
[72] CHURCHMAN, SCOTT, US
[72] HAAKE, DAVID ARNOLD, US
[72] HALFORD, COLIN WYNN, US
[72] LIU, YUJIA, US
[72] MADOU, MARC, US
[72] MONTI, GABRIEL, US
[71] MICROBEDX, INC., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-01-28
[86] 2018-08-30 (PCT/US2018/048906)
[87] (WO2019/046613)
[30] US (62/552,332) 2017-08-30

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[51] **Int.Cl. H02G 3/02 (2006.01)**
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[54] **CABLE SUPPORT BRACKET**
[54] **SUPPORT PORTE-CABLE**
[72] BRANDVOLD, RICHARD MARTIN, CA
[71] BRANDVOLD, RICHARD MARTIN, CA
[85] 2020-01-29
[86] 2018-08-16 (PCT/CA2018/050992)
[87] (WO2019/041025)
[30] US (62/552,023) 2017-08-30

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[25] EN
[54] **ADJUSTABLE FURNITURE**
[54] **MEUBLES REGLABLES**
[72] BROWN, PAUL, GB
[71] MOTUS MECHANICS LTD, GB
[85] 2020-01-28
[86] 2018-07-27 (PCT/GB2018/052151)
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[30] GB (1712186.4) 2017-07-28

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[51] **Int.Cl. B01J 8/04 (2006.01)**
[25] FR
[54] **MIXING AND DISTRIBUTION DEVICE WITH LONGITUDINAL OPENING**
[54] **DISPOSITIF DE MELANGE ET DE DISTRIBUTION AVEC OUVERTURE LONGITUDINALE**
[72] AUGIER, FREDERIC, FR
[72] BEARD, PHILIPPE, FR
[72] PLAIS, CECILE, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2020-01-27
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[51] **Int.Cl. F28D 7/00 (2006.01) F28D 7/08 (2006.01) F28D 7/16 (2006.01) F28D 9/00 (2006.01) F28D 21/00 (2006.01) F28F 1/06 (2006.01) F28F 1/08 (2006.01) F28F 1/42 (2006.01) F28F 7/02 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] HUSSEIN, AHMED, GB
[72] VINUALES NAVARRO, JAVIER, GB
[71] HIETA TECHNOLOGIES LIMITED, GB
[85] 2020-01-28
[86] 2018-08-01 (PCT/GB2018/052194)
[87] (WO2019/025793)
[30] GB (1712575.8) 2017-08-04

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[51] **Int.Cl. F16L 58/04 (2006.01) B32B 3/24 (2006.01) B32B 27/00 (2006.01) B32B 38/04 (2006.01) E01C 11/00 (2006.01) F16L 57/00 (2006.01) F16L 58/16 (2006.01) F17D 5/00 (2006.01)**
[25] EN
[54] **PERFORATED POLYMERIC SHEET WITH UNDERLYING SPACERS**
[54] **FEUILLE POLYMERE PERFOREE DOTEE D'ENTRETOISES SOUS-JACENTES**
[72] CORNELLIER, MATHIEU, CA
[72] VANGELUWE, JEAN-LOUIS, CA
[72] GUILLETTE, VINCENT, CA
[72] PARE, LOUIS, CA
[71] SOLMAX INTERNATIONAL INC., CA
[85] 2020-01-29
[86] 2018-09-12 (PCT/CA2018/051129)
[87] (WO2019/051592)
[30] US (62/557,263) 2017-09-12

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR OBTAINING DATA RADIO BEARER IDENTIFIER AND BASE STATION**
[54] **PROCEDE D'ACQUISITION D'UN IDENTIFIANT DE SUPPORT RADIO DE DONNEES ET STATION DE BASE**
[72] XU, HAIBO, CN
[72] TENNY, NATHAN EDWARD, CN
[72] SANG, AIMIN JUSTIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-01-29
[86] 2017-08-04 (PCT/CN2017/096111)
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[51] **Int.Cl. C03B 27/04 (2006.01)**
[25] EN
[54] **ACTUATING MECHANISM CONTROL METHOD FOR GLASS PLATE TEMPERING PROCESS**
[54] **PROCEDE DE COMMANDE DE MECANISME D'ACTIONNEMENT POUR PROCESSUS DE TREMPE DE PLAQUE DE VERRE**
[72] ZHAO, YAN, CN
[72] DOU, GAOFENG, CN
[72] JIANG, CHUNWEI, CN
[71] LUOYANG LANDGLASS TECHNOLOGY CO., LTD., CN
[85] 2020-01-29
[86] 2018-04-11 (PCT/CN2018/082666)
[87] (WO2019/029179)
[30] CN (201710666798.7) 2017-08-07

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[51] **Int.Cl. G05D 23/30 (2006.01) C03B 27/012 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING DISCHARGING OF GLASS PLATE IN GLASS PLATE TEMPERING TECHNOLOGY PROCESS**
[54] **PROCEDE DE COMMANDE DE DECHARGE DE PLAQUE DE VERRE DANS LE CADRE D'UN PROCESSUS DE TECHNOLOGIE DE TREMPE DE PLAQUE DE VERRE**
[72] ZHAO, YAN, CN
[72] DOU, GAOFENG, CN
[72] JIANG, CHUNWEI, CN
[71] LUOYANG LANDGLASS TECHNOLOGY CO., LTD., CN
[85] 2020-01-29
[86] 2018-04-11 (PCT/CN2018/082667)
[87] (WO2019/029180)
[30] CN (201710667730.0) 2017-08-07

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[25] FR
[54] **INSTALLATION FOR THE PRODUCTION OF MINERAL WOOL AND DEVICE FOR SPRAYING A SIZING COMPOSITION, FORMING PART OF SUCH AN INSTALLATION**
[54] **INSTALLATION DE FABRICATION DE LAINE MINERALE ET DISPOSITIF DE PROJECTION D'UNE COMPOSITION D'ENCOLLAGE EQUIPANT UNE TELLE INSTALLATION**
[72] D'HERIN BYTNER, FREDERIC, FR
[71] SAINT-GOBAIN ISOVER, FR
[85] 2020-01-28
[86] 2018-07-26 (PCT/FR2018/051928)
[87] (WO2019/025707)
[30] FR (FR1770812) 2017-07-31

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[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **ENDOSCOPE DEVICE**
[54] **DISPOSITIF ENDOSCOPIQUE**
[72] RIES, WOLFGANG, DE
[72] GERMANN, MARTIN, DE
[71] JOIMAX GMBH, DE
[85] 2020-01-29
[86] 2018-08-20 (PCT/EP2018/000405)
[87] (WO2019/042578)
[30] DE (10 2017 008 148.4) 2017-08-29
[30] DE (20 2017 004 822.1) 2017-09-15

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[51] **Int.Cl. E06B 3/677 (2006.01) E06B 3/66 (2006.01) E06B 3/663 (2006.01) E06B 3/673 (2006.01)**
[25] EN
[54] **AUTOMATIC DEVICE AND AUTOMATIC METHOD FOR FILLING THE INSULATING GLAZING UNIT COMPOSED OF AT LEAST TWO GLASS PANES AND AT LEAST ONE SPACER FRAME WITH A GAS OTHER THAN AIR**
[54] **DISPOSITIF AUTOMATIQUE ET PROCEDE AUTOMATIQUE POUR REMPLIR UNE UNITE DE VITRAGE ISOLANT COMPOSE D'AU MOINS DEUX VITRES ET D'AU MOINS UN CADRE D'ESPACEMENT AVEC UN GAZ AUTRE QUE DE L'AIR**
[72] MOSCHINI, DINO, IT
[72] VIANELLO, FORTUNATO, IT
[72] VIANELLO, RICCARDO, IT
[71] FOREL SPA, IT
[85] 2020-01-29
[86] 2018-07-26 (PCT/EP2018/070308)
[87] (WO2019/025283)
[30] IT (102017000089359) 2017-08-02

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[51] **Int.Cl. A61B 1/00 (2006.01)**
[25] EN
[54] **DETECTION SYSTEM AND METHOD FOR AUTOMATIC DETECTION OF SURGICAL INSTRU MENTS**
[54] **SYSTEME DE DETECTION ET PROCEDE POUR LA DETECTION AUTOMATIQUE D'INSTRUMENTS CHIRURGICAUX**
[72] RIES, WOLFGANG, DE
[72] STEEGMULLER, RAINER, DE
[72] RIES, MAXIMILIAN, DE
[71] JOIMAX GMBH, DE
[85] 2020-01-29
[86] 2018-08-24 (PCT/EP2018/000413)
[87] (WO2019/042579)
[30] DE (10 2017 008 148.4) 2017-08-29

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[51] **Int.Cl. C07F 9/09 (2006.01) A61K 31/688 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHOSPHOLIPID ANALOGUES**
[54] **ANALOGUES DE PHOSPHOLIPIDES**
[72] BIRUKOV, KONSTANTIN, US
[72] BIRUKOVA, ANNA, US
[72] BOCHKOV, VALERY, AT
[72] OSKOLKOVA, OLGA, AT
[71] KARL-FRANZENS-UNIVERSITAT GRAZ, AT
[71] UNIVERSITY OF CHICAGO, US
[85] 2020-01-29
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[87] (WO2019/025324)
[30] US (15/667,893) 2017-08-03

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[54] **FILTRE MAGNETIQUE POUR SYSTEME DE CHAUFFAGE CENTRAL**
[72] DOWNIE, SIMON, GB
[72] LEUNG, KELVIN, GB
[71] ADEY HOLDINGS (2008) LIMITED, GB
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[54] **MICRONEEDLE ARRAY COMPRISING A COLOR CHANGE INDICATOR**
[54] **MATRICE DE MICRO-AIGUILLES PRESENTANT UN INDICATEUR DE CHANGEMENT DE COULEUR**
[72] HENNING, ANDREAS, DE
[72] MARX, SIMONE, DE
[72] FLORIN, LARISSA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[25] EN
[54] **IMPELLER FOR WASTEWATER PUMP**
[54] **ROUE MOBILE POUR POMPE A EAUX USEES**
[72] SPRINGER, PEER, DE
[71] KSB SE & CO. KGAA, DE
[85] 2020-01-29
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[54] **ELEMENT CONSTRUCTIF A LAMES PREALABLEMENT PRESSEES**
[72] BOUCHOOU, JEANNE, FR
[72] CORDIER, FRANCOIS-XAVIER, FR
[72] DEFER, GAEL, FR
[71] LEKO LABS SA, LU
[85] 2020-01-29
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[54] **HOLDING DEVICE FOR CARDS AND/OR BANK NOTES**
[54] **DISPOSITIF DE RETENUE POUR CARTES ET/OU BILLETS DE BANQUE**
[72] MAYER, FRANK F. E., DE
[71] MAYER, FRANK F. E., DE
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[25] EN
[54] **CONTINUOUSLY CONVEYING PASSENGER TRANSPORT SYSTEM, WHICH CAN BE WALKED ON, HAVING A CHARGING POSSIBILITY FOR MOBILE DEVICES**
[54] **INSTALLATION DE TRANSPORT CONTINU DE PERSONNES, POUVANT ETRE EMPRUNTEE, AVEC POSSIBILITE DE CHARGE D'APPAREILS MOBILES**
[72] KUSSEROW, MARTIN, CH
[72] ZHU, ZACK, CH
[72] NOVACEK, THOMAS, AT
[71] INVENTIO AG, CH
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[54] **METHOD FOR ELECTRICAL ATTACHMENT OF A CONNECTING ELEMENT TO A BELT FOR A LIFT SYSTEM AND CORRESPONDING BELT ASSEMBLY**
[54] **PROCEDE DE CONNEXION ELECTRIQUE D'UN ELEMENT DE RACCORDEMENT A UNE COURROIE DESTINE A UNE INSTALLATION D'ASCENSEUR AINSI QU'AGENCEMENT DE COURROIE CORRESPONDANT**
[72] LARBOULETTE, YVES, CH
[71] INVENTIO AG, CH
[85] 2020-01-29
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[25] EN
[54] **METHOD FOR THE CIRCULATION OF FUEL IN A FILLING LINE OF A TANK OF AN AIRCRAFT, AND VALVE CONNECTED TO A LINE FOR IMPLEMENTING SAID METHOD**
[54] **PROCEDE DE CIRCULATION DE CARBURANT DANS UNE CONDUITE DE REMPLISSAGE D'UN RESERVOIR D'UN AERONEF, ET VANNE CONNECTEE A UNE CONDUITE POUR LA MISE EN .UVRE DUDIT PROCEDE**
[72] ROSSI, SYLVAIN, FR
[72] LOUBET, PIERRE-YVES, FR
[71] ZODIAC AEROTECHNICS, FR
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[54] **DETERMINATION DE SIMILARITE ENTRE UTILISATEUR ET COMMERCANT**
[72] LIU, HAIWEN, CN
[71] 10353744 CANADA LTD., CA
[85] 2020-01-28
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[25] FR
[54] **IMPLANT FOR MEDICAL USE INTENDED TO CLIP TO A BIOLOGICAL PROTUBERANCE**
[54] **IMPLANT A USAGE MEDICAL DESTINE A SE CLIPPER A UNE PROTUBERANCE BIOLOGIQUE**
[72] AUGUSTIN, MARC, FR
[72] BASTIDE, PHILIPPE, FR
[71] DIANOSIC, FR
[85] 2020-01-29
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[25] EN
[54] **SECURITY SYSTEM FOR TRANSIT FACILITY**
[54] **SYSTEME DE SECURITE POUR UN EQUIPEMENT DE TRANSPORT**
[72] NORTON, TIMOTHY, GB
[71] SMITHS DETECTION-WATFORD LIMITED, GB
[85] 2020-01-29
[86] 2018-07-31 (PCT/GB2018/052185)
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[54] **FORMES CRISTALLINES D'HYDROXYNORKETAMINE**
[72] PEARSON, DAVID, GB
[72] SHARP, LORRAINE, GB
[72] ARMSTRONG, ALAN, GB
[72] MYERSON, RICHARD, GB
[72] HULL, JONATHAN, GB
[72] BLANEY, PAUL, GB
[72] RANDS, PETER, GB
[72] LAYZELL, MARIE, GB
[72] JOEL, ZELAH, GB
[71] SMALL PHARMA LTD, GB
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[25] EN
[54] **DOWNHOLE APPARATUS AND METHOD**
[54] **APPAREIL DE FOND DE TROU ET PROCEDE ASSOCIE**
[72] BRUCE, STEPHEN EDMUND, GB
[72] SHAND, DAVID MICHAEL, GB
[72] HORN, TRISTAM PAUL, GB
[71] DELTATEK OIL TOOLS LIMITED, GB
[85] 2020-01-29
[86] 2018-08-01 (PCT/GB2018/052202)
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[54] **DOWNHOLE APPARATUS AND METHOD**
[54] **APPAREIL DE FOND DE TROU ET PROCEDE**
[72] BRUCE, STEPHEN EDMUND, GB
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[71] DELTATEK OIL TOOLS LIMITED, GB
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[25] EN
[54] **CELLS EXPRESSING A CHIMERIC ANTIGEN RECEPTOR OR ENGINEERED TCR AND COMPRISING A NUCLEOTIDE SEQUENCE WHICH IS SELECTIVELY EXPRESSED**
[54] **CELLULES EXPRIMANT UN RECEPTEUR ANTIGENIQUE CHIMERIQUE OU UN TCR MANIPULE ET COMPRENANT UNE SEQUENCE DE NUCLEOTIDES EXPRIMEE DE MANIERE SELECTIVE**
[72] PULE, MARTIN, GB
[72] CORDOBA, SHAUN, GB
[72] STAVROU, MARIA, GB
[72] PEDDAREDDIGARI, VIJAY, GB
[72] SMITH, PAUL, GB
[71] AUTOLUS LIMITED, GB
[85] 2020-01-29
[86] 2018-08-01 (PCT/GB2018/052204)
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[54] **INTRAOCULAR LENS**
[54] **LENTILLE INTRAOCULAIRE**
[72] LOPEZ, PABLO BENITO, GB
[71] RAYNER INTRAOCULAR LENSES LIMITED, GB
[85] 2020-01-29
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[25] EN
[54] **TERPENE-ENRICHED CANNABINOID COMPOSITION AND METHOD OF TREATMENT**
[54] **COMPOSITION DE CANNABINOIDE ENRICHIE EN TERPENE ET PROCEDE DE TRAITEMENT**
[72] RAZ, NOA, IL
[72] EYAL, AHARON M., IL
[71] BUZZELET DEVELOPMENT AND TECHNOLOGIES LTD, IL
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[25] EN
[54] **ELECTRONIC TRAFFIC ALERT SYSTEM**
[54] **SYSTEME ELECTRONIQUE D'AVERTISSEMENT DE LA CIRCULATION**
[72] DIBA, KEYVAN T., US
[71] DIBA, KEYVAN T., US
[85] 2020-02-06
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[54] **SPLITTER WITH EQUIDISTANT OUTPUT PORTS**
[54] **DIVISEUR AVEC PORTS DE SORTIE EQUIDISTANTS**
[72] HENNINGSEN, JIMMY CIELSA, DK
[72] MATZEN, MICHAEL OLE, DK
[71] CORNING OPTICAL COMMUNICATIONS RF LLC, US
[85] 2020-01-29
[86] 2018-07-26 (PCT/US2018/043865)
[87] (WO2019/027793)
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[25] EN
[54] **UNIT FOR TRANSPORTING EGGS WITH INTERMEDIATE PARTITIONS**
[54] **UNITE DE TRANSPORT D'□UFS AVEC CLOISONS INTERMEDIAIRES**
[72] GIORDANO, OSCAR, IT
[71] GIORDANO POULTRY PLAST S.P.A., IT
[85] 2020-01-29
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[54] **FLOOR PAD WITH VARIABLE ABRASIVE DISTRIBUTION**
[54] **TAPIS DE SOL A DISTRIBUTION ABRASIVE VARIABLE**
[72] ZU, LIJUN, US
[72] ANDERSON, ANDREW C., US
[72] HAGEN, SARAH L., US
[72] LUND, JESSE D., US
[72] NIE, QIHONG, US
[72] RAITHEL, DAVID C., US
[72] SACHS, KIM C. JR., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[86] 2018-07-09 (PCT/IB2018/055037)
[87] (WO2019/025883)
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[54] **COPPER INK**
[54] **ENCRE DE CUIVRE**
[72] DEORE, BHAVANA, CA
[72] PAQUET, CHANTAL, CA
[72] MALENFANT, PATRICK, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2020-01-29
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[51] **Int.Cl. C23F 11/14 (2006.01) C09K 8/54 (2006.01) E21B 41/02 (2006.01)**
[25] EN
[54] **AMIDODIAMINE CORROSION INHIBITORS**
[54] **INHIBITEURS DE CORROSION AMIDODIAMINE**
[72] LAN, QIANG, US
[72] DAVIS, NATHAN DARRELL, US
[71] MULTI-CHEM GROUP, LLC, US
[85] 2020-01-28
[86] 2017-09-29 (PCT/US2017/054367)
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[13] A1
[51] **Int.Cl. H02H 1/00 (2006.01) H02H 7/22 (2006.01) H02H 7/26 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ARC FLASH PROTECTION IN ELECTRICAL POWER SYSTEMS**
[54] **APPAREIL ET PROCEDE DE PROTECTION CONTRE UN ECLAT D'ARC ELECTRIQUE DANS DES SYSTEMES D'ALIMENTATION ELECTRIQUES**
[72] HRNCIR, DANIEL E., US
[72] BURNS, ROBERT J., US
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2020-01-29
[86] 2018-08-03 (PCT/IB2018/055877)
[87] (WO2019/026050)
[30] US (15/668,382) 2017-08-03

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[51] **Int.Cl. A01F 15/08 (2006.01)**
[25] EN
[54] **BALER CONNECTABLE TO A TRACTOR FOR PROVIDING ROUND BALES AND METHOD FOR PRODUCING ROUND BALES**
[54] **PRESSE A BALLES POUVANT ETRE RELIEE A UN TRACTEUR POUR CREER DES BALLES RONDES ET PROCEDE DE PRODUCTION DE BALLES RONDES**
[72] FRASCELLA, COSIMO, IT
[72] CASADEI, VALERIO, IT
[71] KVERNELAND GROUP RAVENNA S.R.L., IT
[85] 2020-01-29
[86] 2018-08-09 (PCT/IB2018/056006)
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[30] IT (102017000093544) 2017-08-11

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[51] **Int.Cl. G06K 9/00 (2006.01) G06K 9/62 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TESTING AN AUTOMATIC PERCEPTION SYSTEM**
[54] **L'INVENTION CONCERNE DES SYSTEMES ET DES PROCEDES DE TEST D'UN SYSTEME DE PERCEPTION AUTOMATIQUE**
[72] MIANZO, LAWRENCE A., US
[72] FORCASH, JOSEPH, US
[72] OBLAK, TOD A., US
[72] STRINGER, JEFFREY T., US
[72] HARTMAN, MARK, US
[72] CARTER JR., JEFFREY J., US
[71] CATERPILLAR INC., US
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[30] US (15/670,108) 2017-08-07

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[51] **Int.Cl. A61K 48/00 (2006.01) A61K 38/37 (2006.01) A61P 7/04 (2006.01) C07K 14/755 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **FACTOR VIII (FVIII) GENE THERAPY METHODS**
[54] **METHODES DE THERAPIE GENIQUE CIBLANT LE FACTEUR VIII (FVIII)**
[72] ANGUELA, XAVIER, US
[71] SPARK THERAPEUTICS, INC., US
[85] 2020-01-29
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[87] (WO2019/028192)
[30] US (62/540,053) 2017-08-01
[30] US (62/583,890) 2017-11-09
[30] US (62/596,535) 2017-12-08
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[51] **Int.Cl. G01F 1/698 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR IMPROVED SPRAY MONITORING**
[54] **DISPOSITIF ET PROCEDE DE SURVEILLANCE DE PULVERISATION AMELIOREE**
[72] DAY, ANDREW, US
[72] HENNESSY, TIM, US
[71] SPRAYING SYSTEMS CO., US
[85] 2020-01-29
[86] 2018-07-31 (PCT/US2018/044667)
[87] (WO2019/028061)
[30] US (62/538,848) 2017-07-31

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[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/204 (2006.01)**
[25] EN
[54] **HANDOVER BASED ON PREDICTED NETWORK CONDITIONS**
[54] **TRANSFERT BASE SUR DES CONDITIONS DE RESEAU PREDITES**
[72] TREESH, FREDERICK, US
[71] VIASAT, INC., US
[85] 2020-01-29
[86] 2018-07-09 (PCT/US2018/041264)
[87] (WO2019/027626)
[30] US (15/666,257) 2017-08-01

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[51] **Int.Cl. C08K 3/36 (2006.01) C09D 7/62 (2018.01) C08K 9/06 (2006.01)**
[25] EN
[54] **SILICA-BASED MATTING AGENTS AND METHODS OF MAKING AND USING THE SAME**
[54] **AGENTS DE MATITE A BASE DE SILICE ET PROCEDES DE PREPARATION ET D'UTILISATION DESDITS AGENTS**
[72] GU, FENG, US
[72] PRYOR, JAMES NEIL, US
[71] W.R. GRACE & CO. CONN., US
[85] 2020-01-29
[86] 2018-08-03 (PCT/US2018/045096)
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[30] US (62/540,920) 2017-08-03

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[51] **Int.Cl. C07D 277/66 (2006.01) A61K 31/428 (2006.01) A61P 25/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **BENZOTHIAZOLE AND RELATED COMPOUNDS**
[54] **BENZOTHIAZOLES ET COMPOSES CONNEXES**
[72] SARRAF, STELLA, US
[72] SIMMON, VINCENT F., US
[72] SWISS, GERALD F., US
[71] SPINOGENIX, INC., US
[85] 2020-01-29
[86] 2018-08-01 (PCT/US2018/044852)
[87] (WO2019/028164)
[30] US (62/540,311) 2017-08-02

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[25] EN
[54] **EXTRUDED CORN PROTEIN MATERIAL**
[54] **MATIERE PROTEIQUE DE MAIS EXTRUDEE**
[72] HERMES, TASHA JOY, US
[72] PORTER, MICHAEL A., US
[72] RIESCHL, CHAD, US
[71] CARGILL, INCORPORATED, US
[85] 2020-01-29
[86] 2018-08-02 (PCT/US2018/045029)
[87] (WO2019/028263)
[30] US (62/540,107) 2017-08-02

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[51] **Int.Cl. E21B 43/1185 (2006.01) F41A 19/13 (2006.01) F42C 15/44 (2006.01)**
[25] EN
[54] **TUBING CONVEYED PERFORATING SYSTEM WITH SAFETY FEATURE**
[54] **SYSTEME DE PERFORATION TRANSPORTE PAR TUBULURE AVEC FONCTION DE SECURITE**
[72] DALY, KERRY G., US
[71] EXPRO AMERICAS, LLC, US
[85] 2020-01-29
[86] 2018-07-31 (PCT/US2018/044481)
[87] (WO2019/027950)
[30] US (15/667,223) 2017-08-02

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 1/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING ACTIVE EOSINOPHILIC ESOPHAGITIS**
[54] **METHODES DE TRAITEMENT DE L'OESOPHAGITE A EOSINOPHILES ACTIVE**
[72] RADIN, ALLEN, US
[72] HAMILTON, JENNIFER D., US
[72] MANNENT, LEDA, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[71] SANOFI BIOTECHNOLOGY, FR
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[87] (WO2019/028367)
[30] US (62/541,242) 2017-08-04
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[30] EP (18305252.1) 2018-03-08

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[54] **TECHNOLOGIE DE SORTIE D'EMPLACEMENT A ETAGES MULTIPLES**
[72] DOWDY, MICHAEL JAMES, US
[72] HSU, HONG YUAN, US
[72] SUNDIA, AGUNG ATUS, US
[72] VAZQUEZ, JOSE H., US
[71] ROWAN COMPANIES, INC., US
[85] 2020-01-29
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[30] US (15/667,319) 2017-08-02

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[25] EN
[54] **TOPOLOGICALLY CORRECT HORIZONS FOR COMPLEX FAULT NETWORK**
[54] **HORIZONS TOPOLOGIQUEMENT CORRECTS DE RESEAU DE FAILLES COMPLEXES**
[72] SZYMCZAK, ANDRZEJ CZESLAW, US
[72] LI, WEI, US
[72] NELSON, DONALD DOUGLAS, US
[71] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-01-29
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[87] (WO2019/050545)

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[51] **Int.Cl. F16D 65/092 (2006.01)**
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[54] **BRAKE CALIPER POSITIONAL CORRECTION DEVICE**
[54] **DISPOSITIF DE CORRECTION DE POSITION D'ETRIER DE FREIN**
[72] MERRILL, ZACHARY ALEXANDER, US
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2020-01-29
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[25] EN
[54] **MODULAR FRAMES FOR GEOMETRIC SOLIDS**
[54] **CADRES MODULAIRES POUR SOLIDES GEOMETRIQUES**
[72] HARAMEIN, NASSIM, US
[72] BROWN, SCOTT, US
[72] KENDRICK, KEVIN, US
[71] ARK CRYSTAL, LLC, US
[85] 2020-01-29
[86] 2017-10-02 (PCT/US2017/054788)
[87] (WO2019/027487)
[30] US (62/539,906) 2017-08-01

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[51] **Int.Cl. F16B 2/06 (2006.01) F16B 47/00 (2006.01)**
[25] EN
[54] **FLANGE MOUNTING CLAMP**
[54] **PINCE DE MONTAGE DE BRIDE**
[72] VAUGHN, REESE L., US
[72] GALLION, JUSTIN, US
[72] ROHDE, CHRISTOPHER J., US
[71] HELLERMANN TYTON CORPORATION, US
[85] 2020-01-29
[86] 2018-07-24 (PCT/US2018/043402)
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[30] US (62/542,930) 2017-08-09

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[25] EN
[54] **SUBSTITUTED FUSED PYRIMIDINE COMPOUNDS AND USES THERE**
[54] **COMPOSES DE PYRIMIDINE FUSIONNES SUBSTITUES ET LEURS UTILISATIONS**
[72] KRAINC, DIMITRI, US
[72] SILVERMAN, RICHARD B., US
[72] ZHENG, JIANBIN, US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2020-01-29
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[30] US (62/540,327) 2017-08-02

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[54] **SPIKE RESISTANT PACKAGE AND ARTICLE**
[54] **EMBALLAGE RESISTANT AUX POINTES ET ARTICLE**
[72] WANG, YUNZHANG, US
[72] HAYES, HEATHER J., US
[71] MILLIKEN & COMPANY, US
[85] 2020-01-29
[86] 2018-07-26 (PCT/US2018/043951)
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[54] **ANTIMICROBIAL CLEANING COMPOSITION**
[54] **COMPOSITION DE NETTOYAGE ANTIMICROBIENNE**
[72] CEULEMANS, RAPHAEL ANGELINE ALFONS, BE
[72] DELPLANCKE, PATRICK FIRMIN AUGUST, BE
[72] FAIRWEATHER, NEIL THOMAS, US
[72] PEREZ-PRAT VINUESA, EVA MARIA, GB
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-29
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[54] **COMBINATIONS OF PD-1 ANTAGONISTS AND BENZO[B]THIOPHENE STING AGONISTS FOR CANCER TREATMENT**
[54] **COMBINAISONS D'ANTAGONISTES DE PD-1 ET D'AGONISTES DE STING BENZO[B]THIOPHENIQUES POUR LE TRAITEMENT DU CANCER**
[72] CEMERSKI, SASO, US
[72] CUMMING, JARED N., US
[72] KOPINJA, JOHNNY E., US
[72] PERERA, SAMANTHI A., US
[72] TROTTER, BENJAMIN WESLEY, US
[72] TSE, ARCHIE NGAI-CHIU, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-01-29
[86] 2018-07-30 (PCT/US2018/044275)
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[51] **Int.Cl. A61K 31/381 (2006.01) A61P 35/00 (2006.01)**
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[54] **BENZO[B]THIOPHENE STING AGONISTS FOR CANCER TREATMENT**
[54] **AGONISTES BENZO[B]THIOPHENE DE STING POUR LE TRAITEMENT DU CANCER**
[72] CEMERSKI, SASO, US
[72] CUMMING, JARED N., US
[72] KOPINJA, JOHNNY E., US
[72] PERERA, SAMANTHI A., US
[72] TROTTER, BENJAMIN WESLEY, US
[72] TSE, ARCHIE NGAI-CHIU, US
[71] MERCK SHARP & DOHME CORP., US
[85] 2020-01-29
[86] 2018-07-30 (PCT/US2018/044276)
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[51] **Int.Cl. G01N 27/327 (2006.01) A01N 43/80 (2006.01) A01P 1/00 (2006.01) C12M 1/34 (2006.01) C12Q 1/00 (2006.01) C12Q 1/26 (2006.01) C12Q 1/37 (2006.01) G01N 27/403 (2006.01)**
[25] EN
[54] **SCAVENGER PROTEIN(S) FOR IMPROVED PRESERVATION OF ANALYTE DETECTION SENSOR(S) AND METHOD(S) OF USE THEREOF**
[54] **PROTEINE(S) EBOUEUR POUR UNE CONSERVATION AMELIOREE D'UN OU PLUSIEURS CAPTEURS DE DETECTION D'ANALYTE ET PROCEDE(S) D'UTILISATION ASSOCIE(S)**
[72] COX, JANINE, US
[72] LAWRENCE, CHRISTOPHER, US
[72] NARAYAN, MURLI, US
[72] LEDDEN, DAVID, US
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2020-01-29
[86] 2018-07-30 (PCT/US2018/044333)
[87] (WO2019/027879)
[30] US (62/539,018) 2017-07-31

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[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/30 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ANTI-CD39 ANTIBODIES, COMPOSITIONS COMPRISING ANTI-CD39 ANTIBODIES AND METHODS OF USING ANTI-CD39 ANTIBODIES**
[54] **ANTICORPS ANTI-CD39, COMPOSITIONS COMPRENANT DES ANTICORPS ANTI-CD39 ET METHODES D'UTILISATION D'ANTICORPS ANTI-CD39**
[72] SOROS, VANESSA, US
[72] KOVALENKO, MARIA, US
[72] CORBIN, JOHN, US
[72] BEERS, COURTNEY, US
[72] WIDBOOM, PAUL FREDRICK, US
[72] WARFIELD, JOSEPH ROBERT, US
[71] TIZONA THERAPEUTICS, US
[85] 2020-01-29
[86] 2018-07-30 (PCT/US2018/044449)
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[30] US (62/539,527) 2017-07-31

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[51] **Int.Cl. A61K 31/135 (2006.01) A61K 31/165 (2006.01) A61K 45/06 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01) H04R 25/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING NEUROLOGICAL CONDITIONS**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER DES TROUBLES NEUROLOGIQUES**
[72] LIPTON, STUART A., US
[71] LIPTON, STUART A., US
[85] 2020-01-29
[86] 2018-07-31 (PCT/US2018/044608)
[87] (WO2019/028025)
[30] US (62/539,549) 2017-08-01

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[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONCENTRATING SUSPENDED SOLIDS PRIOR TO REMOVAL**
[54] **SYSTEME ET PROCEDE DE CONCENTRATION DE MATIERES SOLIDES EN SUSPENSION AVANT L'ELIMINATION**
[72] HICKEY, ROBERT, US
[71] SYNATA BIO, INC., US
[85] 2020-01-29
[86] 2018-07-31 (PCT/US2018/044565)
[87] (WO2019/027997)
[30] US (62/539,238) 2017-07-31

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[51] **Int.Cl. E21B 43/119 (2006.01) E21B 29/02 (2006.01) E21B 43/1185 (2006.01) E21B 43/263 (2006.01)**
[25] EN
[54] **HIGH DENSITY CLUSTER BASED PERFORATING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PERFORATION A BASE D'AMAS A HAUTE DENSITE**
[72] YANG, WENBO, US
[72] ROLLINS, JAMES A., US
[72] SNIDER, PHILIP MARTIN, US
[72] HARDESTY, JOHN THOMAS, US
[72] WESSON, DAVID S., US
[71] GEODYNAMICS, INC., US
[85] 2020-01-29
[86] 2018-08-02 (PCT/US2018/044967)
[87] (WO2019/028230)
[30] US (62/540,369) 2017-08-02
[30] US (16/052,101) 2018-08-01

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 8/44 (2006.01) A61K 9/08 (2006.01) A61K 31/7088 (2006.01) A61K 47/18 (2017.01)**
[25] EN
[54] **FORMULATIONS COMPRISING A NUCLEIC ACID IN A HIGH CONCENTRATION**
[54] **FORMULATIONS COMPRENANT UN ACIDE NUCLEIQUE A HAUTE CONCENTRATION**
[72] DIMITROVA, MARIANA, US
[72] BENNETT, WILLIAM J., US
[72] WANG, QI, US
[71] JAZZ PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2020-01-29
[86] 2018-08-03 (PCT/US2018/045152)
[87] (WO2019/028340)
[30] US (62/540,657) 2017-08-03

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[51] **Int.Cl. C09K 8/54 (2006.01)**
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[54] **THIOL ADDUCTS FOR CORROSION INHIBITION**
[54] **PRODUITS D'ADDITION THIOL DESTINES A L'INHIBITION DE LA CORROSION**
[72] MOLONEY, JEREMY, US
[72] ANANTANENI, PRAKASA RAO, US
[72] HARRINGTON, RYAN MATTHEW, US
[71] ECOLAB USA INC., US
[85] 2020-01-29
[86] 2018-08-03 (PCT/US2018/045237)
[87] (WO2019/028400)
[30] US (62/540,827) 2017-08-03

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[13] A1
[51] **Int.Cl. A61K 8/49 (2006.01) A61Q 19/00 (2006.01)**
[25] FR
[54] **1,4 :3,6 DIANHYDROHEXITOLS FOR MOISTURISING THE SKIN**
[54] **1,4 :3,6 DIANHYDROHEXITOLS POUR HYDRATER LA PEAU**
[72] WILS, DANIEL, FR
[72] MENTINK, LEON, FR
[71] ROQUETTE FRERES, FR
[85] 2020-01-29
[86] 2018-08-01 (PCT/FR2018/051981)
[87] (WO2019/025730)
[30] FR (17 57421) 2017-08-02

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[51] **Int.Cl. B25J 9/16 (2006.01) B25J 9/00 (2006.01)**
[25] FR
[54] **METHOD FOR ASSISTING AT LEAST ONE MOVEMENT OF A USER AND CORRESPONDING DEVICE**
[54] **PROCEDE D'ASSISTANCE D'AU MOINS UN MOUVEMENT D'UN UTILISATEUR ET DISPOSITIF CORRESPONDANT**
[72] ATTAL, HUGO, FR
[72] THIEFFRY, ROLAND, FR
[72] GRENIER, JORDANE, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-01-28
[86] 2018-07-25 (PCT/EP2018/070225)
[87] (WO2019/025266)
[30] FR (17 57280) 2017-07-31

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[51] **Int.Cl. A61C 17/22 (2006.01) A46B 15/00 (2006.01)**
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[54] **PERSONAL HYGIENE SYSTEM**
[54] **SYSTEME D'HYGIENE PERSONNELLE**
[72] VETTER, INGO, DE
[72] FARANDA, LEO, DE
[72] SCHIEBAHN, MATTHIAS, DE
[71] BRAUN GMBH, DE
[85] 2020-01-29
[86] 2018-09-13 (PCT/IB2018/057006)
[87] (WO2019/058223)
[30] EP (17192762.7) 2017-09-22

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[13] A1
[51] **Int.Cl. B41F 16/00 (2006.01) B41N 1/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ADJUSTING GRAPHIC ARTS DIE PLATE ON CARRIER**
[54] **APPAREIL ET PROCEDE PERMETTANT DE REGLER UNE PLAQUE A MATRICE POUR ARTS GRAPHIQUES SUR UN SUPPORT**
[72] DOMSCH, ERIC A., US
[72] HUTCHISON, LARRY R., US
[72] RIMA, TODD M., US
[72] HUTCHISON, AUSTIN SCOTT, US
[71] UNIVERSAL ENGRAVING, INC., US
[85] 2020-01-29
[86] 2018-08-23 (PCT/US2018/047796)
[87] (WO2019/040774)
[30] US (62/549,776) 2017-08-24

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[51] **Int.Cl. A61K 31/4412 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF CANCER BY STIMULATION OF IL-12 PRODUCTION**
[54] **TRAITEMENT DU CANCER PAR STIMULATION DE LA PRODUCTION D'IL-12**
[72] MOFFAT, DAVID FESTUS CHARLES, GB
[72] PERRY, MARTIN JOHN, GB
[72] ANDERTON, STEPHEN MARK, GB
[72] DORIS, CLARE LOUISE, GB
[71] MACROPHAGE PHARMA LIMITED, GB
[85] 2020-01-28
[86] 2018-08-30 (PCT/GB2018/052448)
[87] (WO2019/043389)
[30] GB (1713975.9) 2017-08-31

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[13] A1
[51] **Int.Cl. B64C 39/02 (2006.01)**
[25] EN
[54] **DRONE STRUCTURE FOR THE TRANSPORT OF TEMPERATURE-CONTROLLED MATERIAL**
[54] **STRUCTURE DE DRONE POUR LE TRANSPORT D'UN MATERIAU A TEMPERATURE REGULEE**
[72] TORTORA, GIUSEPPE ROBERTO, IT
[72] CANNAS, ANDREA, IT
[71] ABZERO SRLS, IT
[85] 2020-01-29
[86] 2018-08-09 (PCT/IB2018/056012)
[87] (WO2019/030707)
[30] IT (102017000092580) 2017-08-09

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[51] **Int.Cl. A61K 9/12 (2006.01) A61K 9/14 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **DRY POWDER COMPOSITIONS FOR INTRANASAL DELIVERY**
[54] **COMPOSITIONS DE POUDRE SECHE POUR ADMINISTRATION INTRANASALE**
[72] TEMTSIN-KRAYZ, GALIA, IL
[71] FORMULEX PHARMA INNOCATIONS LTD., IL
[85] 2020-01-29
[86] 2018-08-19 (PCT/IL2018/050914)
[87] (WO2019/038756)
[30] US (62/547,858) 2017-08-20

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[13] A1
[51] **Int.Cl. C12N 15/87 (2006.01) A61K 9/00 (2006.01) A61K 9/51 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61M 37/00 (2006.01) C12M 1/42 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING THERAPEUTIC EXOSOMES FROM NANOELECTROPORATION AND OTHER NON-ENDOCYTIC CELL TRANSFECTION**
[54] **PROCEDE DE PRODUCTION D'EXOSOMES THERAPEUTIQUES A PARTIR DE NANOELECTROPORATION ET AUTRE TRANSFECTION DE CELLULE NON ENDOCYTIQUE**
[72] LEE, LY JAMES, US
[72] SHI, JUNFENG, US
[72] YANG, ZHAOGANG, US
[71] OHIO STATE INNOVATION FOUNDATION, US
[85] 2020-01-29
[86] 2018-08-06 (PCT/US2018/045333)
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[30] US (62/541,157) 2017-08-04

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[13] A1
[51] **Int.Cl. C09K 11/06 (2006.01) C02F 1/50 (2006.01) C02F 5/00 (2006.01)**
[25] EN
[54] **WATER SOLUBLE PYRANINE POLYMERS AND METHOD OF MAKING**
[54] **POLYMERES DE PYRANINE SOLUBLES DANS L'EAU ET PROCEDE DE FABRICATION**
[72] RODRIGUES, KLIN ALOYSIUS, US
[72] BAILEY, ANDREW JAMES, US
[72] JONES, JOBIE LEBRON, US
[72] WINKENWERDER, WYATT AUGUST, US
[72] BAND, ELLIOT ISAAC, US
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[85] 2020-01-30
[86] 2018-07-27 (PCT/EP2018/070398)
[87] (WO2019/025305)
[30] US (62/539,901) 2017-08-01
[30] EP (17196930.6) 2017-10-17

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[51] **Int.Cl. B60J 10/77 (2016.01) B60J 10/16 (2016.01) E06B 7/16 (2006.01) E06B 7/22 (2006.01) E06B 7/23 (2006.01)**
[25] EN
[54] **FLEXIBLE GLASS RUN PROFILE WITH MULTIPLE MATERIALS FOR DIFFERENT FUNCTIONAL BENEFITS**
[54] **PROFIL DE COULISSE DE VITRE SOUPLE COMPRENANT DE MULTIPLES MATERIAUX POUR DIFFERENTS AVANTAGES FONCTIONNELS**
[72] BROOKMAN, MARC, US
[71] COOPER STANDARD AUTOMOTIVE INC., US
[85] 2020-01-29
[86] 2018-08-07 (PCT/US2018/045499)
[87] (WO2019/032507)
[30] US (62/542,072) 2017-08-07

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[13] A1
[51] **Int.Cl. G06K 9/60 (2006.01) G06K 9/64 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **PATTERN RECORDER FOR A STRATEGICALLY HIDDEN SPEAKER SYSTEM**
[54] **ENREGISTREUR DE MOTIF POUR UN SYSTEME DE HAUT-PARLEUR CACHE STRATEGIQUEMENT**
[72] IVEY, JOHNATHAN, US
[72] SYKES, KEVIN, US
[72] KELLER, TYLER JO, US
[72] BOTOS, CRISTIAN, US
[71] MITEK CORP., INC., US
[85] 2020-01-29
[86] 2018-09-29 (PCT/US2018/053660)
[87] (WO2019/060926)
[30] US (15/710,654) 2017-09-20
[30] US (15/902,446) 2018-02-22

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[51] **Int.Cl. A47B 13/04 (2006.01) B25H 1/06 (2006.01) E04G 1/32 (2006.01)**
[25] FR
[54] **TRESTLES**
[54] **TRETEAUX**
[72] DARGAUD, BENOIT, FR
[72] DESCHANELS, SYLVAIN, FR
[71] HARD CORNER, FR
[85] 2020-01-30
[86] 2018-08-02 (PCT/FR2018/051992)
[87] (WO2019/025737)
[30] FR (1757476) 2017-08-03

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[13] A1
[51] **Int.Cl. C01B 32/205 (2017.01) B82Y 40/00 (2011.01) C01B 32/184 (2017.01) H05H 1/30 (2006.01)**
[25] EN
[54] **NON-THERMAL PLASMA CONVERSION OF HYDROCARBONS**
[54] **CONVERSION NON THERMIQUE PAR PLASMA D'HYDROCARBURES**
[72] STROHM, JAMES J., US
[72] SKOPTSOV, GEORGE L., US
[72] MUSSELMAN, EVAN T., US
[72] ZELLER, KURT W., US
[71] H QUEST VANGUARD, INC., US
[85] 2020-01-29
[86] 2018-08-07 (PCT/US2018/045560)
[87] (WO2019/032554)
[30] US (15/671,584) 2017-08-08
[30] US (15/671,629) 2017-08-08
[30] US (15/997,495) 2018-06-04
[30] US (15/671,603) 2017-08-08

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[25] EN
[54] **TRANSMISSION APPARATUS, TRANSMISSION METHOD, RECEPTION APPARATUS, AND RECEPTION METHOD**
[54] **DISPOSITIF D'EMISSION, PROCEDE D'EMISSION, DISPOSITIF DE RECEPTION ET PROCEDE DE RECEPTION**
[72] TAKAHASHI, KAZUYUKI, JP
[72] OHNO, TAKESHI, JP
[71] SONY CORPORATION, JP
[85] 2020-01-29
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[54] **METHODS FOR INCREASING FERTILITY**
[54] **METHODES POUR AUGMENTER LA FERTILITE**
[72] WU, LINDSAY EDWARD, AU
[72] SINCLAIR, DAVID ANDREW, US
[72] HOMER, HAYDEN A, AU
[71] NEWSOUTH INNOVATIONS PTY LIMITED, AU
[85] 2020-01-30
[86] 2018-07-31 (PCT/AU2018/050798)
[87] (WO2019/023748)
[30] AU (2017903013) 2017-07-31

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[51] **Int.Cl. E21B 34/02 (2006.01) E21B 23/01 (2006.01)**
[25] EN
[54] **TEST DART SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CLAPET DE TEST**
[72] GARNER, DETRICK DEYON, US
[72] OLVERA, ALFRED, US
[72] BORAK, EUGENE, US
[72] ARMISTEAD, JASON, US
[72] CHENG, SAMUEL, US
[72] WARNER, JOHN, US
[72] BURCHAM, NATHAN, US
[71] GE OIL & GAS PRESSURE CONTROL LP, US
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[30] US (15/670,717) 2017-08-07

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[51] **Int.Cl. A01N 63/00 (2020.01)**
[25] FR
[54] **THERAPEUTIC OR NON-THERAPEUTIC USE OF PROTOZOANS OF THE WILLAERTIA GENUS AS A FUNGISTATIC AND/OR FUNGICIDE**
[54] **UTILISATION THERAPEUTIQUE OU NON-THERAPEUTIQUE DE PROTOZOAIRES DU GENRE WILLAERTIA COMME FONGISTATIQUE ET/OU FONGICIDE**
[72] PLASSON, FABRICE, FR
[72] MAMERI, MOUH OULHADJ, FR
[71] AMOEBA, FR
[85] 2020-01-30
[86] 2018-08-09 (PCT/FR2018/052040)
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[30] FR (17 57644) 2017-08-10

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[51] **Int.Cl. C22C 38/00 (2006.01) C21D 9/46 (2006.01) C22C 38/14 (2006.01) C22C 38/54 (2006.01)**
[25] EN
[54] **HIGH-STRENGTH STEEL SHEET AND METHOD FOR PRODUCING SAME**
[54] **TOLE D'ACIER A HAUTE RESISTANCE, ET PROCEDE DE FABRICATION DE CELLE-CI**
[72] SHIIMORI, FUSAE, JP
[72] SAITO, HAYATO, JP
[72] KARIYA, NOBUSUKE, JP
[72] KOJIMA, KATSUMI, JP
[71] JFE STEEL CORPORATION, JP
[85] 2020-01-29
[86] 2018-10-29 (PCT/JP2018/040182)
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[30] JP (2017-211181) 2017-10-31

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[51] **Int.Cl. C08J 9/00 (2006.01) C08J 9/12 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCTION OF LOW DENSITY POLYESTER FOAM AND ARTICLES MADE THEREOF UTILIZING LOW I.V. POLYESTER FEEDSTOCK**
[54] **PROCEDE DE PRODUCTION D'UNE MOUSSE DE POLYESTER BASSE DENSITE ET ARTICLES FABRIQUES AVEC CETTE DERNIERE PAR UTILISATION D'UNE CHARGE DE POLYESTER A FAIBLE V.I.**
[72] HARFMANN, WATLER R., US
[71] WRH TECHNOLOGY, LLC, US
[85] 2020-01-29
[86] 2018-10-29 (PCT/US2018/057938)
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[30] US (62/707,259) 2017-10-26
[30] US (16/167,508) 2018-10-22

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[51] **Int.Cl. A01G 25/06 (2006.01)**
[25] EN
[54] **SUBSTERRANEAN IRRIGATION SYSTEM**
[54] **SYSTEME D'IRRIGATION SOUTERRAIN**
[72] SAEED, OSMAN, CH
[71] ELEMENTAL ENGINEERING AG, CH
[85] 2020-01-28
[86] 2018-07-27 (PCT/CH2018/000034)
[87] (WO2019/023813)
[30] EP (17184984.7) 2017-08-04

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[51] **Int.Cl. B60J 1/02 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **VEHICLE WINDSHIELD WITH TWO-DIMENSIONAL CODE AND MANUFACTURING PROCESS THEREOF**
[54] **PARE-BRISE DE VEHICULE A CODE BIDIMENSIONNEL ET SON PROCEDE DE FABRICATION**
[72] SHI, CE, CN
[72] WU, HUANHUAN, CN
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-29
[86] 2018-12-25 (PCT/CN2018/123397)
[87] (WO2019/128970)
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[51] **Int.Cl. B25J 9/14 (2006.01) B25J 15/00 (2006.01) B25J 15/12 (2006.01) B25J 19/00 (2006.01)**
[25] EN
[54] **FIELD-ASSEMBLED SOFT GRIPPING FOR INDUSTRIAL AND COLLABORATIVE ROBOTS**
[54] **DISPOSITIF DE PREHENSION SOUPLE ASSEMBLE SUR PLACE POUR ROBOTS INDUSTRIELS ET COLLABORATIFS**
[72] CURHAN, JEFFREY, US
[72] WON, CHIKYUNG, US
[72] GOODALE, ANDREW, US
[71] SOFT ROBOTICS INC., US
[85] 2020-01-29
[86] 2019-03-27 (PCT/US2019/024362)
[87] (WO2019/191286)
[30] US (62/648,597) 2018-03-27
[30] US (62/795,892) 2019-01-23

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[51] **Int.Cl. C07D 249/08 (2006.01) A01N 43/653 (2006.01) A01P 3/00 (2006.01) C07D 401/06 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **AZOLE DERIVATIVE, INTERMEDIATE COMPOUND, METHOD FOR PRODUCING AZOLE DERIVATIVE, AGRICULTURAL OR HORTICULTURAL CHEMICAL AGENT, AND PROTECTIVE AGENT FOR INDUSTRIAL MATERIAL**
[54] **DERIVE D'AZOLE, COMPOSE INTERMEDIAIRE, PROCEDE DE PRODUCTION D'UN DERIVE D'AZOLE, AGENT A USAGE AGRICOLE ET HORTICOLE, ET AGENT DE PROTECTION DE MATERIAU A USAGE INDUSTRIEL**
[72] HARIGAE, RYO, JP
[72] ITO, ATSUSHI, JP
[72] MIYAKE, TAIJI, JP
[72] YAMAZAKI, TORU, JP
[71] KUREHA CORPORATION, JP
[85] 2020-01-29
[86] 2018-11-13 (PCT/JP2018/041971)
[87] (WO2019/093522)
[30] JP (2017-218655) 2017-11-13

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[51] **Int.Cl. G16H 50/50 (2018.01) G16H 20/17 (2018.01) G16H 40/40 (2018.01) A61B 5/145 (2006.01) A61M 5/142 (2006.01) A61M 5/172 (2006.01)**
[25] EN
[54] **CLOSED-LOOP BLOOD GLUCOSE CONTROL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE REGULATION DE LA GLYCEMIE EN BOUCLE FERMEE**
[72] ROUSSON, SYLVAIN, FR
[72] BLANC, ROMAIN, FR
[72] DORON, MAEVA, FR
[71] DIABELOOP, FR
[85] 2020-01-30
[86] 2018-08-01 (PCT/EP2018/070901)
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[51] **Int.Cl. A21C 9/04 (2006.01) A21C 9/08 (2006.01)**
[25] EN
[54] **A FOOD PROCESSING SYSTEM AND A FOOD PROCESSING METHOD**
[54] **SYSTEME DE TRANSFORMATION D'ALIMENTS ET PROCEDE DE TRAITEMENT D'ALIMENTS**
[72] HANSEN, HENNING INGEMANN, DK
[71] CABINPLANT INTERNATIONAL A/S, DK
[85] 2020-01-30
[86] 2018-05-23 (PCT/EP2018/063519)
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[51] **Int.Cl. A24F 47/00 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **PORTABLE VAPORIZER**
[54] **VAPORISATEUR PORTABLE**
[72] WILLIAMS, MARK, US
[71] NWT HOLDINGS LLC, US
[85] 2020-01-29
[86] 2019-03-29 (PCT/US2019/025041)
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[51] **Int.Cl. E04B 1/18 (2006.01) B25J 9/16 (2006.01) B25J 11/00 (2006.01) B25J 15/00 (2006.01) E04G 21/16 (2006.01)**
[25] EN
[54] **AUTOMATED AND ROBOTIZED CONSTRUCTION SYSTEM AND CONSTRUCTION METHOD**
[54] **SYSTEME AUTOMATISE ROBOTISE DE CONSTRUCTION ET PROCEDE DE CONSTRUCTION**
[72] BECERRIL HERNANDEZ, GERMAN, MX
[71] BECERRIL HERNANDEZ, GERMAN, MX
[85] 2020-01-29
[86] 2018-07-26 (PCT/MX2018/000069)
[87] (WO2019/027311)
[30] MX (MX/a/2017/009909) 2017-07-31

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[51] **Int.Cl. G01N 1/10 (2006.01) C22B 3/24 (2006.01) C22B 11/08 (2006.01) G01N 1/28 (2006.01) G01N 9/36 (2006.01) G01N 15/00 (2006.01) G01N 33/00 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **A SENSOR SYSTEM**
[54] **SYSTEME DE CAPTEUR**
[72] LEWIS-GRAY, ALEXANDER HAMILTON, AU
[71] GEKKO SYSTEMS PTY LTD, AU
[85] 2020-01-30
[86] 2018-08-02 (PCT/AU2018/000126)
[87] (WO2019/023735)
[30] AU (2017903061) 2017-08-02

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[13] A1
[51] **Int.Cl. C07D 513/04 (2006.01)**
[25] EN
[54] **THIAZOLOPYRIDINE DERIVATIVES AS ADENOSINE RECEPTOR ANTAGONISTS**
[54] **DERIVES DE THIAZOLOPYRIDINE UTILISES EN TANT QU'ANTAGONISTES DU RECEPTEUR DE L'ADENOSINE**
[72] TANZER, EVA-MARIA, DE
[72] SCHIEMANN, KAI, DE
[72] KLEIN, MARKUS, DE
[71] MERCK PATENT GMBH, DE
[85] 2020-01-30
[86] 2018-07-02 (PCT/EP2018/067797)
[87] (WO2019/025099)
[30] EP (17184272.7) 2017-08-01

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[13] A1
[51] **Int.Cl. B29C 49/24 (2006.01) B31B 50/88 (2017.01) B65D 1/02 (2006.01)**
[25] EN
[54] **MOLDED ARTICLE, CONTAINER AND A METHOD FOR PRINTING THEREON**
[54] **ARTICLE MOULE, RECIPIENT ET METHODE D'IMPRESSION SUR CELUI-CI**
[72] GALT, JOHN ROBERT, CA
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2020-01-30
[86] 2018-07-12 (PCT/CA2018/050852)
[87] (WO2019/028545)
[30] US (62/544,259) 2017-08-11

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[51] **Int.Cl. A61K 31/36 (2006.01) A61K 31/4184 (2006.01) A61K 31/423 (2006.01) A61K 38/14 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **TREATMENT OF STAPHYLOCOCCAL AND ENTEROCOCCAL INFECTIONS USING SUBSTITUTED NITROSTYRENE COMPOUNDS**
[54] **TRAITEMENT D'INFECTIONS A STAPHYLOCOQUES ET A ENTEROCOQUES A L'AIDE DE COMPOSES DE NITROSTYRENE SUBSTITUES**
[72] JENSEN, SLADE, AU
[72] RADZIETA, MICHAEL, AU
[71] OPAL BIOSCIENCES LIMITED, AU
[85] 2020-01-30
[86] 2018-07-30 (PCT/AU2018/050788)
[87] (WO2019/023741)
[30] AU (2017903033) 2017-08-01

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[51] **Int.Cl. C12N 15/29 (2006.01) C12N 15/113 (2010.01) A01H 5/00 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/30 (2006.01) C12N 15/33 (2006.01) C12N 15/52 (2006.01) C12N 15/82 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **TRANSIENT SILENCING OF ARGONAUTE1 AND ARGONAUTE4 TO INCREASE RECOMBINANT PROTEIN EXPRESSION IN PLANTS**
[54] **SILENCAGE TRANSITOIRE D'ARGONAUTE1 ET D'ARGONAUTE4 EN VUE D'AUGMENTER L'EXPRESSION DE PROTEINE RECOMBINANTE DANS DES PLANTES**
[72] FERRARO, KIVA, CA
[72] MARIT, MICHAEL, CA
[72] MCLEAN, MICHAEL D., CA
[71] PLANTFORM CORPORATION, CA
[85] 2020-01-30
[86] 2018-08-02 (PCT/CA2018/050949)
[87] (WO2019/023806)
[30] US (62/540,696) 2017-08-03

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[51] **Int.Cl. C04B 28/10 (2006.01)**
[25] EN
[54] **PREVENTING OR REDUCING PLANT GROWTH BY BIOCEMENTATION**
[54] **PROCEDE POUR EMPECHER ET REDUIRE LA CROISSANCE DE PLANTES PAR BIOCIMENTATION**
[72] FRIED, LUITPOLD, DE
[72] SPITZNAGEL, MARTIN, DE
[72] PAZUR, SASKIA, DE
[72] SPRAU, PHILIPP, DE
[71] DUST BIOSOLUTIONS GMBH, DE
[85] 2020-01-30
[86] 2019-02-14 (PCT/EP2019/053722)
[87] (WO2019/141880)
[30] DE (10 2018 103 314.1) 2018-02-14

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[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/4439 (2006.01) A61K 31/522 (2006.01) A61K 31/585 (2006.01) C12Q 1/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **EPLERENONE FOR PHENOTYPING OF CYP3A5 ENZYME ACTIVITY IN SALIVA SAMPLES**
[54] **EPLERENONE POUR PHENOTYPAGE DE L'ACTIVITE DE L'ENZYME CYP3A5 DANS DES ECHANTILLONS DE SALIVE**
[72] MCGRAW, JOSEPH, US
[72] GERHARDT, ARMIN, US
[71] CONCORDIA UNIVERSITY, INC., US
[85] 2020-01-29
[86] 2018-08-07 (PCT/US2018/045618)
[87] (WO2019/032589)
[30] US (62/542,030) 2017-08-07

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) B67B 3/26 (2006.01) G01L 5/24 (2006.01) G01N 21/90 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING THE ANGULAR POSITION OF A CAP WITH RESPECT TO A BOTTLE**
[54] **PROCEDE ET APPAREIL DE DETECTION DE LA POSITION ANGULAIRE D'UNE CAPSULE PAR RAPPORT A UNE BOUTEILLE**
[72] FORESTELLI, FABIO, IT
[71] FT SYSTEM SRL, IT
[85] 2020-01-30
[86] 2018-07-31 (PCT/IB2018/055707)
[87] (WO2019/025956)
[30] IT (102017000089270) 2017-08-02

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[13] A1
[51] **Int.Cl. G01S 13/74 (2006.01) B07C 5/344 (2006.01) H01M 10/54 (2006.01) H01M 6/52 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR BATTERY DETECTION IN RECYCLING FACILITIES**
[54] **PROCEDE ET SYSTEME DE DETECTION DE BATTERIE DANS DES INSTALLATIONS DE RECYCLAGE**
[72] PASZTI, MICHAEL D., CA
[71] REVOLUTION VSC LP, CA
[85] 2020-01-30
[86] 2018-11-08 (PCT/CA2018/051413)
[87] (WO2019/090427)
[30] US (62/585,114) 2017-11-13

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 39/39 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **ACTIVATION OF RESIDENT MEMORY T CELLS FOR THE TREATMENT OF CANCER**
[54] **ACTIVATION DE LYMPHOCYTES T RESIDENTS MEMOIRES POUR LE TRAITEMENT DU CANCER**
[72] MASOPUST JR., DAVID B., US
[72] VEZYS, VAIVA D., US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2020-01-29
[86] 2018-08-03 (PCT/US2018/045244)
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[30] US (62/540,831) 2017-08-03

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[13] A1
[51] **Int.Cl. A61K 31/737 (2006.01) A61P 19/08 (2006.01)**
[25] EN
[54] **TREATMENT OF BONE MARROW PATHOLOGIES WITH POLYSULFATED POLYSACCHARIDES**
[54] **TRAITEMENT DE PATHOLOGIES MEDULLAIRES AVEC DES POLYSACCHARIDES POLYSULFATES**
[72] KRISHNAN, RAVI, AU
[72] RENNIE, PAUL, AU
[71] PARADIGM BIOPHARMACEUTICALS LTD, AU
[85] 2020-01-30
[86] 2018-08-06 (PCT/AU2018/050816)
[87] (WO2019/023761)
[30] AU (2017903094) 2017-08-04

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[51] **Int.Cl. A01N 25/30 (2006.01) A01N 37/52 (2006.01) A01N 43/76 (2006.01) A01N 43/90 (2006.01) A01N 47/06 (2006.01) A01P 7/02 (2006.01)**
[25] EN
[54] **MITICIDE AND APPLICATION THEREOF**
[54] **MITICIDE ET SON APPLICATION**
[72] WANG, SHULIANG, CN
[72] LI, ZHENLUN, CN
[71] CHONGQING LINGSHI AGRICULTURAL TECHNOLOGY CO., LTD., CN
[71] WANG, SHULIANG, CN
[85] 2020-01-30
[86] 2018-11-09 (PCT/CN2018/114804)
[87] (WO2019/140990)
[30] CN (201810043269.6) 2018-01-17

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[51] **Int.Cl. A61K 39/00 (2006.01) C12N 5/078 (2010.01) C12N 5/09 (2010.01)**
[25] EN
[54] **METHODS FOR ACTIVATING IMMUNE CELLS**
[54] **PROCEDES D'ACTIVATION DE CELLULES IMMUNITAIRES**
[72] KIM, PHILLIP S., US
[72] GROT, BRIAN E., US
[72] LANGLEY, EMMA, US
[71] TRUTINO BIOSCIENCES, US
[85] 2020-01-29
[86] 2018-08-03 (PCT/US2018/045260)
[87] (WO2019/028422)
[30] US (62/541,402) 2017-08-04

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[13] A1
[51] **Int.Cl. E04C 5/12 (2006.01)**
[25] FR
[54] **REINFORCEMENT ANCHORING DEVICE**
[54] **DISPOSITIF D'ANCRAGE D'ARMATURES**
[72] ERDOGAN, JULIEN, FR
[72] DEMEY, NICOLAS, FR
[72] FABRY, NICOLAS, FR
[71] SOLETANCHE FREYSSINET, FR
[85] 2020-01-30
[86] 2018-07-27 (PCT/EP2018/070507)
[87] (WO2019/025330)
[30] FR (17 57297) 2017-07-31

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[13] A1
[51] **Int.Cl. E21D 9/11 (2006.01) E21D 9/087 (2006.01) E21D 9/12 (2006.01)**
[25] EN
[54] **MOBILE UNDERGROUND TUNNEL BORER ARRANGEMENT**
[54] **AGENCEMENT DE TUNNELIER SOUTERRAIN MOBILE**
[72] JORDAAN, BAREND JACOBUS, ZA
[72] PRETORIUS, GERHARD, ZA
[72] CALITZ, JOHANNES NICOLAAS JACOBUS, ZA
[72] ROOTHMAN, WILLEM HERMANUS, ZA
[71] DRILLING TECHNICAL SERVICES (PTY) LTD, ZA
[85] 2020-01-30
[86] 2018-07-31 (PCT/IB2018/055713)
[87] (WO2019/025959)
[30] ZA (2017/02323) 2017-07-31
[30] ZA (2017/07079) 2017-10-19
[30] ZA (2018/00727) 2018-02-05

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[51] **Int.Cl. B65D 47/28 (2006.01) B65D 47/06 (2006.01)**
[25] EN
[54] **SPOUT SEAL FOR A CONTAINER**
[54] **JOINT D'ETANCHEITE DE BEC VERSEUR DESTINE A UN CONTENANT**
[72] PEARCE, SCOTT, AU
[71] PURATAP PTY LTD, AU
[85] 2020-01-30
[86] 2018-09-14 (PCT/AU2018/051011)
[87] (WO2019/056056)
[30] AU (2017903811) 2017-09-19

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[13] A1
[51] **Int.Cl. A45D 24/30 (2006.01)**
[25] EN
[54] **COMB FOR THE TREATMENT OF PEDICULOSIS**
[54] **PEIGNE POUR LE TRAITEMENT DE LA PEDICULOSE**
[72] BURCHAKCHI, JORGE REINALDO, UY
[72] MARTIN SANZ, JUAN, UY
[71] LACUNA S.A., UY
[85] 2020-01-29
[86] 2017-07-14 (PCT/ES2017/070514)
[87] (WO2019/012165)

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[13] A1
[51] **Int.Cl. G01N 3/00 (2006.01) G01N 15/10 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR SEPARATING CIRCULATING TUMOR CELLS FROM BIOLOGICAL SAMPLES**
[54] **DISPOSITIFS ET PROCEDES POUR SEPARER DES CELLULES TUMORALES CIRCULANTES D'ECHANTILLONS BIOLOGIQUES**
[72] MAO, LEIDONG, US
[71] UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC., US
[85] 2020-01-29
[86] 2018-08-04 (PCT/US2018/045294)
[87] (WO2019/028445)
[30] US (62/541,552) 2017-08-04

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[54] **MACHINE AND PROCESS FOR PREPARING STERILIZED FLEXIBLE-BAGS FOR PACKAGING PRODUCTS**
[54] **MACHINE ET PROCEDE DE PREPARATION DE POCHES SOUPLES STERILISEES POUR L'EMBALLAGE DE PRODUITS**
[72] MORALES VIZCAINO, JOSE VICENTE, ES
[71] LIQUIBOX SPAIN SL, ES
[85] 2020-01-30
[86] 2018-07-31 (PCT/IB2018/055743)
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[54] **NETWORK MANAGEMENT**
[54] **GESTION DE RESEAU**
[72] CURRIE, ROBERT, GB
[72] MACISAAC, LIAM, GB
[72] SMITH, IAIN, GB
[72] MCNEILL, NEIL, GB
[71] SMARTER GRID SOLUTIONS LIMITED, GB
[85] 2020-01-30
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[25] EN
[54] **MULTIFUNCTIONAL WINDOW**
[54] **FENETRE MULTIFONCTIONNELLE**
[72] MASTROGIANNIS, SPYRIDON, GR
[71] MASTROGIANNIS, SPYRIDON, GR
[85] 2020-01-30
[86] 2018-07-03 (PCT/GR2018/000034)
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[54] **ADJUSTED MULTI-BIOMARKER DISEASE ACTIVITY SCORE FOR INFLAMMATORY DISEASE ASSESSMENT**
[54] **SCORE D'ACTIVITE DE MALADIE MULTI-BIOMARQUEUR AJUSTE POUR EVALUAER UNE MALADIE INFLAMMATOIRE**
[72] FLAKE, DARL, US
[72] GUTIN, ALEXANDER, US
[72] LANCHBURY, JERRY, US
[72] CHERNOFF, DAVID, US
[72] EASTMAN, PAUL SCOTT, US
[72] HWANG, CHING CHANG, US
[72] SASSO, ERIC, US
[71] MYRIAD GENETICS, INC., US
[85] 2020-01-30
[86] 2018-07-30 (PCT/US2018/044396)
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[30] US (62/538,959) 2017-07-31
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[54] **PROSTHETIC VALVE WITH LEAFLET CONNECTORS**
[54] **VALVE PROTHETIQUE AVEC CONNECTEURS DE FEUILLETS**
[72] HARITON, ILIA, IL
[72] IAMBERGER, MENI, IL
[72] BAUM, AVIRAM, IL
[72] HARARI, BOAZ, IL
[71] CARDIOVALVE LTD., IL
[85] 2020-01-30
[86] 2018-08-07 (PCT/IL2018/050869)
[87] (WO2019/030753)
[30] US (15/995,597) 2018-06-01
[30] IL (PCT/IL2017/050873) 2017-08-08
[30] US (15/878,206) 2018-01-23

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[25] EN
[54] **TREATMENT OF TRIPLE NEGATIVE BREAST CANCER OR COLORECTAL CANCER WITH LIVER METASTASES WITH AN ANTI PD-L1 ANTIBODY AND AN ONCOLYTIC VIRUS**
[54] **TRAITEMENT DU CANCER DU SEIN TRIPLE NEGATIF OU DU CANCER COLORECTAL COMPORTANT DES METASTASES HEPATIQUES PAR UN ANTICORPS ANTI-PD-L1 ET UN VIRUS ONCOLYTIQUE**
[72] GANSERT, JENNIFER LORRAINE, US
[72] BHATTA, SUMITA SHANKAR, US
[72] WOODARD, JOSEPH PAUL, US
[72] CHA, EDWARD, US
[71] AMGEN INC., US
[71] GENENTECH, INC., US
[85] 2020-01-29
[86] 2018-08-06 (PCT/US2018/045328)
[87] (WO2019/032431)
[30] US (62/542,046) 2017-08-07

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[25] EN
[54] **CLAMPING RING WITH CONNECTING STRUCTURE**
[54] **BAGUE DE SERRAGE DOTEE D'UNE STRUCTURE DE RACCORDEMENT**
[72] CHIPROOT, AVI, IL
[71] KRAUSZ INDUSTRIES LTD., IL
[85] 2020-01-30
[86] 2018-07-18 (PCT/IB2018/055342)
[87] (WO2019/025894)
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[25] EN
[54] **ANTICANCER PEPTIDES**
[54] **PEPTIDES A ACTIVITE ANTICANCEREUSE**
[72] NEVOLA, LAURA, ES
[72] ESTEBAN MARTIN, SANTIAGO, ES
[71] IDP DISCOVERY PHARMA, S.L., ES
[85] 2020-01-30
[86] 2018-07-31 (PCT/EP2018/070714)
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[25] EN
[54] **ACID GAS REMOVAL APPARATUS AND ACID GAS REMOVAL METHOD**
[54] **APPAREIL D'ELIMINATION DE GAZ ACIDE ET PROCEDE D'ELIMINATION DE GAZ ACIDE**
[72] TANAKA, HIROSHI, JP
[72] HIRATA, TAKUYA, JP
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2020-01-30
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[25] EN
[54] **ANTIMICROBIAL COATING MATERIAL COMPRISING NANOCRYSTALLINE CELLULOSE AND MAGNESIUM OXIDE AND METHOD OF PREPARATION THEREOF**
[54] **MATERIAU DE REVETEMENT ANTIMICROBIEN COMPRENANT DE LA CELLULOSE NANOCRISTALLINE ET DE L'OXYDE DE MAGNESIUM ET SON PROCEDE DE PREPARATION**
[72] HANUKA, EZRA, IL
[72] ZOLKOV, CHEN, IL
[72] NEVO, YUVAL, IL
[72] AZERAFF, CLARITE, IL
[71] IMI TAMI INSTITUTE FOR RESEARCH AND DEVELOPMENT LTD., IL
[71] MELODEA LTD., IL
[85] 2020-01-30
[86] 2018-07-30 (PCT/IL2018/050848)
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[25] EN
[54] **PARKING CONTROL METHOD AND PARKING CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] HAYAKAWA, YASUHISA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-30
[86] 2017-08-10 (PCT/JP2017/029210)
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[25] EN
[54] **MODULAR MAGNETICALLY RECEPTIVE WOOD AND ENGINEERED WOOD SURFACE UNITS AND MAGNETIC BOX SYSTEM FOR COVERING FLOORS, WALLS, AND OTHER SURFACES**
[54] **UNITES DE SURFACE MODULAIRES EN BOIS MODIFIE ET EN BOIS A RECEPTION MAGNETIQUE ET SYSTEME DE BOITE MAGNETIQUE POUR RECOUVRIR SOLS, MURS ET AUTRES SURFACES**
[72] LAUTZENHISER, LLOYD L., US
[72] LEBLANC, SHANE S., US
[72] LEBLANC, MELINDA, US
[72] HUANG, LI, US
[71] GOLCONDA HOLDINGS, LLC, US
[85] 2020-01-30
[86] 2018-06-20 (PCT/US2018/038637)
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[30] US (62/522,513) 2017-06-20
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[25] EN
[54] **DRIVE BELT DISENGAGEMENT FOR CUTTER DRUM OF MILLING MACHINE AND AUXILIARY DRUM DRIVE ASSEMBLY**
[54] **LIBERATION DE COURROIE D'ENTRAINEMENT POUR TAMBOUR DE COUPE DE FRAISEUSE ET ENSEMBLE ENTRAINEMENT DE TAMBOUR AUXILIAIRE**
[72] AVANS, TODD, US
[72] BEVILL, JAMES H., US
[71] ROADTEC, INC., US
[85] 2020-01-30
[86] 2018-07-18 (PCT/US2018/042699)
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[30] US (62/535,320) 2017-07-21

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[51] **Int.Cl. A61K 51/10 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENTS FOR A HEMATOLOGICAL MALIGNANCY**
[54] **TRAITEMENTS POUR UNE MALIGNITE HEMATOLOGIQUE**
[72] SETH, SANDESH, US
[72] THOMAS, KEISHA, US
[71] ACTINIUM PHARMACEUTICALS, INC., US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044531)
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[30] US (62/539,114) 2017-07-31

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[51] **Int.Cl. C12N 15/62 (2006.01) A01K 67/027 (2006.01) C07K 19/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **SET OF POLYPETIDES FOR USE IN LIGHT-DEPENDENT GENE RECOMBINATION**
[54] **ENSEMBLE POLYPEPTIDIQUE A UTILISER DANS LA RECOMBINAISON GENIQUE DEPENDANTE DE LA LUMIERE**
[72] SATO, MORITOSHI, JP
[71] THE UNIVERSITY OF TOKYO, JP
[85] 2020-01-30
[86] 2018-04-10 (PCT/JP2018/015136)
[87] (WO2018/190348)
[30] JP (2017-077804) 2017-04-10

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[51] **Int.Cl. A61K 38/50 (2006.01) A61K 47/64 (2017.01) C12N 9/78 (2006.01)**
[25] EN
[54] **MODIFIED DDAH POLYPEPTIDES COMPRISING A PHARMACOKINETIC ENHANCING MOIETY, IMPROVED PHARMACOLOGY AND THEIR USES**
[54] **POLYPEPTIDES DDAH MODIFIES COMPRENANT UN FRAGMENT D'AMELIORATION PHARMACOCINETIQUE, A PHARMACOLOGIE AMELIOREE ET LEURS UTILISATIONS**
[72] SINGH, JAIPAL, US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044627)
[87] (WO2019/028040)
[30] US (62/539,261) 2017-07-31

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[51] **Int.Cl. C07H 19/10 (2006.01) A61K 31/5025 (2006.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01) C07H 19/06 (2006.01) C07H 19/11 (2006.01)**
[25] EN
[54] **ORGANOPHOSPHATE DERIVATIVES**
[54] **DERIVES D'ORGANOPHOSPHATE**
[72] RAHEJA, RAJ, US
[72] JACKMAN, ROBIN M., US
[71] JANUARY THERAPEUTICS, INC., US
[85] 2020-01-30
[86] 2018-07-30 (PCT/US2018/044389)
[87] (WO2019/027905)
[30] US (62/538,879) 2017-07-31
[30] US (62/637,960) 2018-03-02

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[51] **Int.Cl. H05K 7/20 (2006.01) F24F 7/06 (2006.01) F28D 15/02 (2006.01) G09F 13/04 (2006.01)**
[25] EN
[54] **HEAT TRANSFER SYSTEMS AND STRUCTURES**
[54] **STRUCTURES ET SYSTEMES DE TRANSFERT DE CHALEUR**
[72] MOON, MYUNG, US
[72] YANG, JIN, US
[71] NANOV DISPLAY INC., US
[85] 2020-01-30
[86] 2018-08-01 (PCT/IB2018/055790)
[87] (WO2019/026005)
[30] US (62/539,950) 2017-08-01

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[51] **Int.Cl. B32B 5/02 (2006.01) B32B 1/08 (2006.01) B32B 3/06 (2006.01) B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01) B32B 27/36 (2006.01)**
[25] EN
[54] **STRENGTHENED POLYETHYLENE TUBULAR MEMBER**
[54] **ELEMENT TUBULAIRE EN POLYETHYLENE RENFORCE**
[72] CERCONE, LAWRENCE, US
[72] BOMAR, SR, DANIEL, J., US
[71] CSC OPERATING COMPANY, LLC, US
[85] 2020-01-30
[86] 2018-07-26 (PCT/US2018/043896)
[87] (WO2019/032302)
[30] US (15/672,422) 2017-08-09
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[51] **Int.Cl. C07C 211/29 (2006.01) A61K 31/137 (2006.01) A61K 31/165 (2006.01) A61K 31/17 (2006.01) A61K 31/18 (2006.01) A61K 31/222 (2006.01) A61K 31/27 (2006.01) A61K 31/4402 (2006.01) A61K 31/4406 (2006.01) A61P 3/10 (2006.01) A61P 25/00 (2006.01) A61P 43/00 (2006.01) C07C 215/42 (2006.01) C07C 233/13 (2006.01) C07C 233/18 (2006.01) C07C 233/60 (2006.01) C07C 237/06 (2006.01) C07C 271/14 (2006.01) C07C 275/28 (2006.01) C07C 311/09 (2006.01) C07C 311/16 (2006.01) C07C 323/41 (2006.01) C07D 213/40 (2006.01) C07D 213/56 (2006.01)**
[25] EN
[54] **ADAMANTYLMETHYLAMINE DERIVATIVE AND USE THEREOF AS PHARMACEUTICAL**
[54] **DERIVE D'ADAMANTYLMETHYLAMINE ET SON UTILISATION EN TANT QUE PRODUIT PHARMACEUTIQUE**
[72] MORIGUCHI, SHIGEKI, JP
[72] FUKUNAGA, KOHJI, JP
[72] IWABUCHI, YOSHIHARU, JP
[71] BRAIN INNOVATION CO., INC., JP
[71] TOHOKU UNIVERSITY, JP
[85] 2020-01-30
[86] 2018-08-02 (PCT/JP2018/029018)
[87] (WO2019/026994)
[30] JP (2017-150290) 2017-08-02

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[13] A1
[51] **Int.Cl. G07C 9/00 (2020.01) E05B 47/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR FACILITATING ACCESS TO A SECURED AREA**
[54] **SYSTEME POUR FACILITER L'ACCES A UNE ZONE SECURISEE**
[72] MURRAY, JAMES SCOTT, US
[72] OLMSTED, ROBERT J., US
[72] MORRIS, DAVID R., US
[71] THE CHAMBERLAIN GROUP, INC., US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044625)
[87] (WO2019/028039)
[30] US (62/540,047) 2017-08-01
[30] US (62/659,535) 2018-04-18

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[13] A1
[51] **Int.Cl. G08B 21/04 (2006.01) A62B 35/00 (2006.01)**
[25] EN
[54] **FALL ARRESTING DEVICE EVENT GENERATION AND MONITORING**
[54] **GENERATION ET SURVEILLANCE D'EVENEMENT DE DISPOSITIF ANTI-CHUTE**
[72] BLACKFORD, MATTHEW J., US
[72] HAMEED, ZOHAIB, US
[72] JESME, RONALD D., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-01-30
[86] 2018-08-09 (PCT/IB2018/056014)
[87] (WO2019/030708)
[30] US (62/543,564) 2017-08-10

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01)**
[25] EN
[54] **OBINUTUZUMAB TREATMENT OF A DLBCL PATIENT SUBGROUP**
[54] **TRAITEMENT A L'OBINUTUZUMAB D'UN SOUS-GROUPE DE PATIENTS DLBCL**
[72] OESTERGAARD, MIKKEL ZAHLE, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[71] NANOSTRING TECHNOLOGIES, INC., US
[85] 2020-01-14
[86] 2018-08-08 (PCT/EP2018/071462)
[87] (WO2019/030260)
[30] US (62/542,489) 2017-08-08

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[51] **Int.Cl. F02B 33/38 (2006.01) F04C 18/16 (2006.01) F04C 27/00 (2006.01) F04C 28/10 (2006.01) F04C 29/12 (2006.01)**
[25] EN
[54] **IMPROVED INLET PORT CONFIGURATION FOR ROOTS-TYPE SUPERCHARGER**
[54] **CONFIGURATION DE PORT D'ENTREE AMELIOREE POUR COMPRESSEUR ROOTS**
[72] PETERSON, OWEN, US
[72] THOMAS, JONATHAN, US
[71] MAGNUSON PRODUCTS, LLC, US
[85] 2020-01-30
[86] 2018-07-27 (PCT/US2018/044231)
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[30] US (62/539,004) 2017-07-31

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[51] **Int.Cl. B65D 47/06 (2006.01) B65D 47/40 (2006.01)**
[25] EN
[54] **LIQUID POURING MEMBER AND CONTAINER**
[54] **ELEMENT DESTINE A DECHARGER DU LIQUIDE ET RECIPIENT**
[72] NOJIRI, YAMATO, JP
[72] IKEDA, KAZUTOSHI, JP
[72] MAKABE, TAKASHI, JP
[72] FUJIMURA, YUSUKE, JP
[72] BUNNO, SHUJI, JP
[72] TADA, KAORI, JP
[71] KURARAY NORITAKE DENTAL INC., JP
[85] 2020-01-30
[86] 2018-08-03 (PCT/JP2018/029147)
[87] (WO2019/027025)
[30] JP (2018-098531) 2018-05-23
[30] JP (2017-151539) 2017-08-04

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[13] A1
[51] **Int.Cl. A61M 25/06 (2006.01)**
[25] EN
[54] **IMPROVED MEDICAL DEVICE WITH RESILIENTLY RETRACTING SAFETY NEEDLE**
[54] **DISPOSITIF MEDICAL AMELIORE AVEC AIGUILLE DE SECURITE ELASTIQUEMENT RETRACTABLE**
[72] DE ZOLT, DARIO, IT
[72] LAGANA', MATTEO, IT
[71] SOL-MILLENNIUM SWISS R&D CENTER SA, CH
[85] 2020-01-30
[86] 2018-09-06 (PCT/IB2018/056808)
[87] (WO2019/053568)
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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **DRAINAGE SYSTEM WITH RETENTION RING**
[54] **SYSTEME DE DRAINAGE AVEC BAGUE DE RETENUE**
[72] KANTOLA, JAMES C., US
[72] MASSI, SHAYNA, US
[72] KRUEGER, JOHN A., US
[72] GORSKY, DANIEL A., US
[72] STATES, ROBERT GERALD, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044582)
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[30] US (15/664,968) 2017-07-31

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 9/48 (2006.01) A61K 31/4439 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION INCLUDING MULTI-UNIT SPHEROIDAL TABLET CONTAINING ESOMEPRAZOLE AND SPHEROIDAL PHARMACEUTICALLY ACCEPTABLE SALT THEREOF, AND METHOD OF PREPARING THE PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN COMPRIME SPHEROIDAL A UNITES MULTIPLES CONTENANT DE L'ESOMEPRAZOLE ET UN SEL DE QUALITE PHARMACEUTIQUE DE CELUI-CI, ET PROCEDE DE PREPARATION DE LA COMPOSITION PHARMACEUTIQUE**
[72] CHO, HYUK JUN, KR
[72] KIM, MIN WOOK, KR
[72] IM, HO TAEK, KR
[72] KIM, YONG IL, KR
[71] HANMI PHARM. CO., LTD., KR
[85] 2020-01-30
[86] 2018-09-28 (PCT/KR2018/011528)
[87] (WO2019/066555)
[30] KR (10-2017-0126426) 2017-09-28

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ANTI-CD19/CD20 IMMUNOTHERAPY**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DU CANCER PAR IMMUNOTHERAPIE ANTI-CD19/CD20**
[72] ORENTAS, RIMAS J., US
[72] DROPULIC, BORO, US
[72] SCHNEIDER, DINA, US
[71] LENTIGEN TECHNOLOGY, INC., US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044654)
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[30] US (62/539,483) 2017-07-31

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[51] **Int.Cl. A61B 3/10 (2006.01) G01B 9/02 (2006.01)**
[25] EN
[54] **PHASE-SENSITIVE OPTICAL COHERENCE TOMOGRAPHY TO MEASURE OPTICAL ABERRATIONS IN ANTERIOR SEGMENT**
[54] **TOMOGRAPHIE PAR COHERENCE OPTIQUE SENSIBLE A LA PHASE POUR MESURER DES ABERRATIONS OPTIQUES DANS UN SEGMENT ANTERIEUR**
[72] AL-QAISI, MUHAMMAD, US
[71] ALCON INC., CH
[85] 2020-01-30
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[87] (WO2019/069228)
[30] US (62/566,996) 2017-10-02

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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **APOLIPOPROTEIN E ISOTYPE DETECTION BY MASS SPECTROMETRY**
[54] **DETECTION DE L'ISOTYPE DE L'APOLIPOPROTEINE E PAR SPECTROMETRIE DE MASSE**
[72] WEBER, DARREN, US
[72] CLARKE, NIGEL, US
[71] QUEST DIAGNOSTICS INVESTMENTS LLC, US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044703)
[87] (WO2019/028080)
[30] US (62/539,478) 2017-07-31

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[51] **Int.Cl. C12P 19/44 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **ENHANCED PRODUCTION OF RHAMNOLIPIDS USING AT LEAST TWO CARBON SOURCES**
[54] **PRODUCTION AMELIOREE DE RHAMNOLIPIDES METTANT EN OEUVRE AU MOINS DEUX SOURCES DE CARBONE**
[72] LOHITHARN, NATTAPORN, US
[71] LOGOS TECHNOLOGIES LLC, US
[85] 2020-01-30
[86] 2018-07-30 (PCT/US2018/044329)
[87] (WO2019/027878)
[30] US (62/538,830) 2017-07-31

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[13] A1
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)**
[25] EN
[54] **STIMULATOR SYSTEMS AND METHODS FOR OBSTRUCTIVE SLEEP APNEA**
[54] **SYSTEMES ET PROCEDES ASSOCIES A UN STIMULATEUR POUR TRAITEMENT DE L'APNEE OBSTRUCTIVE DU SOMMEIL**
[72] SURI, HARSHIT, US
[72] CALDERON, JOSEPH L., US
[72] MOLNAR, GREGORY FREDERICK, US
[72] GODING, JR., GEORGE S., US
[72] ATYABI, ALANIE, US
[72] SCHMIDT, SIEGMAR, US
[72] DAI, WILLIAM, US
[72] DEARDEN, BRIAN R., US
[72] KEENAN, DESMOND B., US
[71] THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH, US
[85] 2020-01-30
[86] 2018-01-31 (PCT/US2018/016287)
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[30] US (62/453,311) 2017-02-01

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[51] **Int.Cl. H03M 13/25 (2006.01) H03M 13/29 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **FORWARD ERROR CORRECTION WITH OUTER MULTI-LEVEL CODE AND INNER CONTRAST CODE**
[54] **CORRECTION D'ERREUR SANS VOIE DE RETOUR A L'AIDE D'UN CODE MULTI-NIVEAU EXTERNE ET D'UN CODE DE CONTRASTE INTERNE**
[72] ROBERTS, KIM, CA
[72] OVEIS GHARAN, SHAHAB, CA
[72] SEIFI, MOHAMMAD EHSAN, CA
[71] CIENA CORPORATION, US
[85] 2020-01-30
[86] 2018-07-30 (PCT/IB2018/055683)
[87] (WO2019/030609)
[30] US (15/672,434) 2017-08-09

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[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/60 (2006.01) C09K 8/66 (2006.01) C09K 8/72 (2006.01) C09K 8/86 (2006.01)**
[25] EN
[54] **INJECTION FLUIDS COMPRISING A NON-IONIC SURFACTANT FOR TREATING UNCONVENTIONAL FORMATIONS**
[54] **FLUIDES D'INJECTION COMPRENANT UN TENSIOACTIF NON IONIQUE POUR LE TRAITEMENT DE FORMATIONS NON CONVENTIONNELLES**
[72] WALKER, DUSTIN L., US
[72] PINNAWALA ARACHCHILAGE, GAYANI, US
[72] NIZAMIDIN, NABI, US
[72] DWARAKANATH, VARADARAJAN, US
[72] TANG, GUO-QING, US
[72] LOWRY, DUSTIN J., US
[72] INOUYE, TETSUO ART, US
[72] MALIK, TAIMUR, US
[71] CHEVRON U.S.A. INC., US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044715)
[87] (WO2019/028085)
[30] US (62/538,883) 2017-07-31

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[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/60 (2006.01) C09K 8/66 (2006.01) C09K 8/72 (2006.01) C09K 8/86 (2006.01)**
[25] EN
[54] **INJECTION FLUIDS FOR STIMULATING FRACTURED FORMATIONS**
[54] **FLUIDES D'INJECTION PERMETTANT DE STIMULER DES FORMATIONS FRACTUREES**
[72] WALKER, DUSTIN L., US
[72] PINNAWALA ARACHCHILAGE, GAYANI, US
[72] NIZAMIDIN, NABI, US
[72] DWARAKANATH, VARADARAJAN, US
[72] TANG, GUO-QING, US
[72] LOWRY, DUSTIN J., US
[72] INOUYE, TETSUO ART, US
[72] MALIK, TAIMUR, US
[71] CHEVRON U.S.A. INC., US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044716)
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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01) A61P 37/02 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **ANTIBODY BINDING ACTIVE ALPHA-SYNUCLEIN**
[54] **ANTICORPS SE LIANT A L'ALPHA-SYNUCLEINE ACTIVE**
[72] LOUWRIER, ARIEL, CA
[71] STRESSMARQ BIOSCIENCES INC., CA
[85] 2020-01-10
[86] 2018-08-02 (PCT/CA2018/050952)
[87] (WO2019/023809)
[30] US (62/540,435) 2017-08-02

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[51] **Int.Cl. G01N 33/68 (2006.01) G01N 30/88 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PERFORMING A REAL-TIME GLYCAN ASSAY OF A SAMPLE**
[54] **SYSTEMES ET PROCEDES POUR EFFECTUER UN DOSAGE DU GLYCANE EN TEMPS REEL D'UN ECHANTILLON**
[72] WU, CHAO-HSIANG, US
[71] AMGEN INC., US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044891)
[87] (WO2019/028191)
[30] US (62/539,798) 2017-08-01

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[51] **Int.Cl. C09D 133/00 (2006.01) C09J 9/00 (2006.01) C09J 11/00 (2006.01)**
[25] EN
[54] **ADHESIVE FORMULATIONS AND ASSOCIATED METHODS AND PRODUCTS**
[54] **FORMULATIONS ADHESIVES ET PROCEDES ET PRODUITS ASSOCIES**
[72] FOSTER, VAN R., US
[72] KREFT, JOSEPH WAYNE, US
[72] PATEL, YOGESHBHAI BABUBHAI, US
[71] SANFORD L.P., US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044752)
[87] (WO2019/028108)
[30] US (62/539,913) 2017-08-01

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[51] **Int.Cl. A61K 8/14 (2006.01) A61K 9/127 (2006.01) A61K 38/17 (2006.01) A61K 47/26 (2006.01) A61P 41/00 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **WNT COMPOSITIONS AND METHODS OF PROCESS FROM SERUM-FREE CULTURING CONDITIONS**
[54] **COMPOSITIONS WNT ET PROCEDES DE TRAITEMENT A PARTIR DE CONDITIONS DE CULTURE SANS SERUM**
[72] YUAN, PING, US
[72] HELMS, JILL, US
[72] ZHU, YING, US
[72] LIU, BO, US
[72] GASTER, STEFANIE, US
[71] ANKASA REGENERATIVE THERAPEUTICS, INC., US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044886)
[87] (WO2019/028186)
[30] US (62/539,960) 2017-08-01
[30] US (62/630,448) 2018-02-14

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[13] A1
[51] **Int.Cl. G01N 29/02 (2006.01)**
[25] EN
[54] **SEPARATION USING ANGLED ACOUSTIC WAVES**
[54] **SEPARATION UTILISANT DES ONDES ACOUSTIQUES INCLINEES**
[72] LIPKENS, BART, US
[72] DIONNE, JASON, US
[72] PRESZ, WALTER M., JR., US
[72] CHITALE, KEDAR C., US
[72] ROSS-JOHNSRUD, BENJAMIN, US
[71] FLODESIGN SONICS, INC., US
[85] 2020-01-30
[86] 2018-03-30 (PCT/US2018/025578)
[87] (WO2018/183968)
[30] US (62/479,309) 2017-03-30
[30] US (62/485,229) 2017-04-13

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[13] A1
[51] **Int.Cl. H04N 21/442 (2011.01) H04N 21/466 (2011.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A RECOMMENDATION OF A MEDIA ASSET FOR SIMULTANEOUS CONSUMPTION WITH A CURRENT MEDIA ASSET**
[54] **SYSTEMES ET PROCEDES POUR GENERER UNE RECOMMANDATION D'UN CONTENU MULTIMEDIA POUR UNE CONSOMMATION SIMULTANEE AVEC UN ACTIF MULTIMEDIA COURANT**
[72] RAJAGOPAL, ANITHA, US
[72] BANERJEE, ABHISHEK, US
[72] MEKALA, VIJAYASEKHAR, US
[72] DESHPANDE, MITSU, US
[71] ROVI GUIDES, INC., US
[85] 2020-01-15
[86] 2018-07-18 (PCT/US2018/042713)
[87] (WO2019/018541)
[30] US (15/654,421) 2017-07-19

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[51] **Int.Cl. C07K 14/82 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **ANTICANCER PEPTIDES**
[54] **PEPTIDES A ACTIVITE ANTICANCEREUSE**
[72] NEVOLA, LAURA, ES
[72] ESTEBAN MARTIN, SANTIAGO, ES
[71] IDP DISCOVERY PHARMA, S.L., ES
[85] 2020-01-30
[86] 2018-07-31 (PCT/EP2018/070716)
[87] (WO2019/025433)
[30] EP (17382533.2) 2017-08-02

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[51] **Int.Cl. C07D 401/04 (2006.01) A01N 43/58 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **HERBICIDAL COMPOUNDS**
[54] **COMPOSES HERBICIDES**
[72] SCUTT, JAMES NICHOLAS, GB
[72] WILLETTS, NIGEL JAMES, GB
[72] SONAWANE, RAVINDRA, IN
[72] PHADTE, MANGALA, IN
[72] KANDUKURI, SANDEEP REDDY, IN
[72] SASMAL, SWARNENDU, IN
[72] ARMSTRONG, SARAH, GB
[72] MCGRANAGHAN, ANDREA, GB
[72] NG, SEAN, GB
[71] SYNGENTA PARTICIPATIONS AG, CH
[85] 2020-01-29
[86] 2018-08-16 (PCT/EP2018/072280)
[87] (WO2019/034757)
[30] IN (201711029217) 2017-08-17

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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/45 (2006.01) A61K 31/4525 (2006.01) A61K 31/453 (2006.01) A61K 31/4535 (2006.01) A61K 31/454 (2006.01) A61K 31/4545 (2006.01) A61K 31/46 (2006.01) A61P 25/00 (2006.01) C07D 211/58 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01) C07D 417/12 (2006.01) C07D 451/04 (2006.01)**
[25] EN
[54] **COMPOUNDS, SALTS THEREOF AND METHODS FOR TREATMENT OF DISEASES**
[54] **COMPOSES, SELS CORRESPONDANTS ET METHODES POUR LE TRAITEMENT DE MALADIES**
[72] BURSTEIN, ETHAN S., US
[72] OLSSON, ROGER, SE
[72] BORGSTROM, BJORN GUSTAV, SE
[72] JANSSON, KARL ERIK, SE
[72] SKOLD, NIKLAS PATRIK, SE
[72] VON WACHENFELDT, HENRIK, SE
[72] WAHLSTROM, LARISA YUDINA, SE
[71] ACADIA PHARMACEUTICALS INC., US
[85] 2020-01-30
[86] 2018-08-20 (PCT/US2018/000354)
[87] (WO2019/040107)
[30] US (62/548,301) 2017-08-21
[30] SE (1730225-8) 2017-08-24

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[51] **Int.Cl. A61K 38/06 (2006.01) A61K 38/07 (2006.01) A61Q 19/08 (2006.01) C07K 5/08 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AMELIORATING SKIN LAXITY AND BODY CONTOUR**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT D'AMELIORER LA LAXITE DE LA PEAU ET LE CONTOUR DU CORPS**
[72] GARRUTO, JOHN A., US
[72] WIDGEROW, ALAN DAVID, US
[71] ALASTIN SKINCARE, INC., US
[85] 2020-01-30
[86] 2018-08-02 (PCT/US2018/045045)
[87] (WO2019/028275)
[30] US (62/541,036) 2017-08-03
[30] US (62/541,022) 2017-08-03
[30] US (62/696,256) 2018-07-10

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[13] A1
[51] **Int.Cl. G05D 1/00 (2006.01)**
[25] EN
[54] **EVENT-BASED CONNECTED VEHICLE CONTROL AND RESPONSE SYSTEMS**
[54] **SYSTEMES DE COMMANDE ET DE REPONSE DE VEHICULES CONNECTES SUR LA BASE D'EVENEMENTS**
[72] KUMAR, SURENDER, US
[72] MARLOW, CLINT J., US
[72] GIBSON, TIMOTHY W., US
[72] SLUSAR, MARK V., US
[72] WIKLUND, CHRIS, US
[71] ALLSTATE INSURANCE COMPANY, US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044814)
[87] (WO2019/028143)
[30] US (15/667,484) 2017-08-02

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[13] A1
[51] **Int.Cl. G21K 4/00 (2006.01) G01T 1/167 (2006.01) G01T 1/20 (2006.01) H01L 27/146 (2006.01)**
[25] EN
[54] **DUAL-SCREEN DIGITAL RADIOGRAPHY WITH ASYMMETRIC REFLECTIVE SCREENS**
[54] **RADIOGRAPHIE NUMERIQUE A DOUBLE ECRAN AVEC ECRANS REFLECHISSANTS ASYMETRIQUES**
[72] LUBINSKY, ANTHONY, US
[72] ZHAO, WEI, US
[72] ROWLANDS, JOHN A., US
[71] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[85] 2020-01-30
[86] 2018-08-02 (PCT/US2018/044924)
[87] (WO2019/028205)
[30] US (62/540,620) 2017-08-03
[30] US (62/711,883) 2018-07-30

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[13] A1
[51] **Int.Cl. A61K 35/30 (2015.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR RESTORING OR PREVENTING LOSS OF VISION CAUSED BY DISEASE OR TRAUMATIC INJURY**
[54] **COMPOSITIONS ET PROCEDES DE RESTAURATION OU DE PREVENTION DE PERTE DE VISION PROVOQUEE PAR UNE MALADIE OU UNE LESION TRAUMATIQUE**
[72] NASONKIN, IGOR, US
[72] SINGH, RATNESH, US
[72] CUZZANI, OSCAR, US
[72] ONORATO, MICHAEL, US
[72] BINETTE, FRANCOIS, US
[71] BIOTIME, INC., US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044720)
[87] (WO2019/028088)
[30] US (62/539,542) 2017-07-31
[30] US (62/577,154) 2017-10-25
[30] US (62/593,228) 2017-11-30
[30] US (62/646,354) 2018-03-21
[30] US (62/665,483) 2018-05-01

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[13] A1
[51] **Int.Cl. B01D 15/36 (2006.01)**
[25] EN
[54] **ION EXCHANGE SYSTEM FOR LITHIUM EXTRACTION**
[54] **SYSTEME D'ECHANGE D'IONS POUR EXTRACTION DE LITHIUM**
[72] SNYDACKER, DAVID HENRY, US
[72] GRANT, ALEXANDER JOHN, US
[72] ZARKESH, RYAN ALI, US
[71] LILAC SOLUTIONS, INC., US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044868)
[87] (WO2019/028174)

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61B 5/00 (2006.01) A61B 5/01 (2006.01) A61B 5/145 (2006.01)**
[25] EN
[54] **SMART OBTURATOR WITH SENSOR AND SMART OBTURATOR ASSEMBLY**
[54] **OBTURATEUR INTELLIGENT AVEC CAPTEUR ET ENSEMBLE OBTURATEUR INTELLIGENT**
[72] ISAACSON, S., RAY, US
[72] HUNTER, MARK, US
[72] WALKER, PAUL, US
[72] O'BRYAN, JEFF, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-01-30
[86] 2018-08-21 (PCT/US2018/047263)
[87] (WO2019/050669)
[30] US (15/697,112) 2017-09-06

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[13] A1
[51] **Int.Cl. A61F 2/30 (2006.01) A61F 2/36 (2006.01)**
[25] EN
[54] **CUSTOM MADE HIP IMPLANT**
[54] **IMPLANT DE HANCHE PERSONNALISE**
[72] LAURITZEN, BRUUN JES, DK
[71] BISPEBJERG HOSPITAL, DK
[85] 2020-01-30
[86] 2018-08-02 (PCT/EP2018/071003)
[87] (WO2019/025546)
[30] EP (17184441.8) 2017-08-02

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[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01) A01G 9/14 (2006.01) A01G 31/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRESSURIZING A GROW POD**
[54] **SYSTEME ET PROCEDE DE MISE SOUS PRESSION D'UN MODULE DE CULTURE**
[72] MILLAR, GARY BRET, US
[72] STOTT, MARK GERALD, US
[72] HURST, MICHAEL STEPHEN, US
[71] GROW SOLUTIONS TECH LLC, US
[85] 2020-01-14
[86] 2018-05-24 (PCT/US2018/034277)
[87] (WO2018/231484)
[30] US (62/519,628) 2017-06-14
[30] US (15/985,497) 2018-05-21

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[13] A1
[51] **Int.Cl. G09F 19/22 (2006.01) G09F 13/04 (2006.01) G09F 13/20 (2006.01)**
[25] EN
[54] **PHOTOLUMINESCENT COVER FOR INDICATOR SIGNS**
[54] **ELEMENT COUVRANT PHOTOLUMINESCENT POUR PANNEAUX INDICATEURS**
[72] GARDNER, WILLIAM, US
[71] GARDNER, WILLIAM, US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044880)
[87] (WO2019/028181)
[30] US (29/612,656) 2017-08-02
[30] US (15/866,983) 2018-01-10

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[13] A1
[51] **Int.Cl. B66B 19/00 (2006.01)**
[25] EN
[54] **LOCATING SYSTEM AND METHOD FOR DETERMINING A CURRENT POSITION IN A LIFT SHAFT OF A LIFT SYSTEM**
[54] **SYSTEME DE LOCALISATION ET PROCEDE POUR DETERMINER UNE POSITION ACTUELLE DANS UNE CAGE D'ASCENSEUR D'UNE INSTALLATION D'ASCENSEUR**
[72] CAMBRUZZI, ANDREA, CH
[72] BUTLER, ERICH, CH
[72] ZIMMERLI, PHILIPP, CH
[72] BITZI, RAPHAEL, CH
[71] INVENTIO AG, CH
[85] 2020-01-30
[86] 2018-09-11 (PCT/EP2018/074362)
[87] (WO2019/063277)
[30] EP (17193504.2) 2017-09-27

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[13] A1
[51] **Int.Cl. A61K 31/337 (2006.01) A61K 47/18 (2017.01) A61K 47/24 (2006.01)**
[25] EN
[54] **LIPOSOMAL PACLITAXEL FORMULATION FOR TREATING BLADDER CANCER**
[54] **FORMULATION LIPOSOMALE DE PACLITAXEL POUR LE TRAITEMENT DU CANCER DE LA VESSIE**
[72] OEFELEIN, MICHAEL G., US
[72] BETAGERI, GURU V., US
[72] VENKATESAN, NATARAJAN, US
[71] TESORX PHARMA, LLC, US
[85] 2020-01-17
[86] 2018-07-19 (PCT/US2018/042857)
[87] (WO2019/018619)
[30] US (62/534,285) 2017-07-19

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[13] A1
[51] **Int.Cl. B66B 19/00 (2006.01)**
[25] EN
[54] **ORIENTING DEVICE AND METHOD FOR MOUNTING A GUIDE RAIL IN AN ELEVATOR SHAFT OF AN ELEVATOR SYSTEM**
[54] **DISPOSITIF D'ALIGNEMENT ET PROCEDE DE MONTAGE D'UN RAIL DE GUIDAGE DANS UNE CAGE D'ASCENSEUR D'UNE INSTALLATION D'ASCENSEUR**
[72] CAMBRUZZI, ANDREA, CH
[72] BUTLER, ERICH, CH
[72] ZIMMERLI, PHILIPP, CH
[72] BITZI, RAPHAEL, CH
[71] INVENTIO AG, CH
[85] 2020-01-30
[86] 2018-09-18 (PCT/EP2018/075161)
[87] (WO2019/063356)
[30] EP (17193506.7) 2017-09-27

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[13] A1
[51] **Int.Cl. B60T 17/04 (2006.01) B61G 5/06 (2006.01) B61G 5/08 (2006.01)**
[25] EN
[54] **A RAIL CAR AIR BRAKE END HOSE SUPPORT ASSEMBLY, AN INSTALLATION METHOD AND A METHOD FOR INSTALLING A Y-47 PIN IN A RAIL CAR**
[54] **ENSEMBLE SUPPORT DE TUYAU D'EXTREMITE DE FREIN A AIR POUR AUTORAIL, PROCEDE D'INSTALLATION ET PROCEDE POUR INSTALLER UNE BROCHE Y-47 DANS UN AUTORAIL**
[72] SONGER, KEITH, US
[72] HETTINGER, JOSEPH M., US
[72] ROUNDS, JASON H., US
[72] REILING, JASON, US
[72] MAK, JENNIFER, US
[72] MONTOYA, ANDRES, US
[72] VERMESI, GEORGE, US
[72] MUNN, CHRIS, US
[71] TTX COMPANY, US
[85] 2020-01-30
[86] 2018-07-31 (PCT/US2018/044548)
[87] (WO2019/027984)
[30] US (15/664,944) 2017-07-31

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[13] A1
[51] **Int.Cl. A61K 31/565 (2006.01) A61K 9/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **ADJUVANT THERAPY FOR USE IN PROSTATE CANCER TREATMENT**
[54] **TRAITEMENT ADJUVANT DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] DEBRUYNE, F.M.J., NL
[71] FUND SA, BE
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[54] **RECEPTEURS CHIMERIQUES SPECIFIQUES D'ETIQUETTE STREP ET UTILISATIONS DE CEUX-CI**
[72] LIU, LINGFENG, US
[72] RIDDELL, STANLEY R., US
[72] BUSCH, DIRK, DE
[72] FRASSLE, SIMON, DE
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
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[51] **Int.Cl. B41M 5/50 (2006.01) C09D 7/63 (2018.01) C08K 5/098 (2006.01) C09D 5/00 (2006.01) D21H 19/36 (2006.01) D21H 19/38 (2006.01)**
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[54] **COATING FORMULATION FOR DIGITAL PRINTING MEDIA**
[54] **FORMULATION DE REVETEMENT POUR DES SUPPORTS D'IMPRESSION NUMERIQUES**
[72] MONNARD, FABIEN WILHELM, CH
[72] WEIHS, JAN PHILIPP, CH
[71] OMYA INTERNATIONAL AG, CH
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[54] **SYSTEME MODULAIRE POUR CREER UNE STRUCTURE, CONNECTEUR DE MODULE ET STRUCTURE COMPRENANT UN SYSTEME MODULAIRE**
[72] BINDER, JOACHIM, AT
[71] KNAUF GIPS KG, DE
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[54] **AURICULAR STIMULATION DEVICE**
[54] **DISPOSITIF DE STIMULATION AURICULAIRE**
[72] BOUTON, CHAD E., US
[72] ZANOS, THEODOROS P., US
[72] DATTA-CHAUDHURI, TIMIR B., US
[72] MARTIN, ANDREW, US
[72] MONTALBANO, CHRISTOPHER, US
[72] MONTALBANO, GREGORY, US
[72] BEAMER, PHILLIP, US
[71] THE FEINSTEIN INSTITUTES FOR MEDICAL RESEARCH, US
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[54] **SYSTEMS AND METHODS FOR DETERMINING AN OPERATING MODE OF A BATTERY**
[54] **SYSTEMES ET PROCEDES POUR LA DETERMINATION D'UN MODE DE FONCTIONNEMENT D'UNE BATTERIE**
[72] KARNER, DON, US
[72] FLEMING, FRANK, US
[72] KROHN, ULF, SE
[72] LINDKVIST, CHRISTER, SE
[71] NORTHSTAR BATTERY COMPANY, LLC, US
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[54] **SYSTEMS, DEVICES, AND METHODS RELATING TO THE MANUFACTURE OF PROSTHETIC VALVES**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES SE RAPPORTANT A LA FABRICATION DE VALVULES PROTHETIQUES**
[72] BEITH, JASON G., US
[72] LOMBARDI, FABIEN N., US
[71] FOLDAX, INC., US
[85] 2020-01-30
[86] 2018-08-03 (PCT/US2018/045202)
[87] (WO2019/028374)
[30] US (62/541,575) 2017-08-04
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[54] **AUTOMATIC QUALITY MANAGEMENT OF CHAT AGENTS VIA CHAT BOTS**
[54] **GESTION AUTOMATIQUE DE LA QUALITE D'AGENTS CONVERSATIONNELS PAR L'INTERMEDIAIRE DE DIALOGUEURS**
[72] KONIG, YOCHAI, US
[72] KONIG, DAVID, US
[71] GREENEDEN U.S. HOLIDNGS II, LLC, US
[85] 2020-01-28
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[54] **SUPERVISING PROPERTY ACCESS WITH PORTABLE CAMERA**
[54] **SURVEILLANCE D'ACCES A UNE PROPRIETE AVEC UNE CAMERA PORTATIVE**
[72] MADDEN, DONALD, US
[72] BEDELL, JEFFREY A., US
[71] OBJECTVIDEO LABS, LLC, US
[85] 2020-01-30
[86] 2018-08-02 (PCT/US2018/044950)
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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/08 (2019.01)**
[25] EN
[54] **ADIPONECTIN PEPTIDOMIMETICS FOR TREATING OCULAR DISORDERS**
[54] **PEPTIDOMIMETIQUES DE L'ADIPONECTINE POUR LE TRAITEMENT DE TROUBLES OCULAIRES**
[72] HSU, HENRY, US
[71] ALLYSTA PHARMACEUTICALS, INC, US
[85] 2020-01-30
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[25] EN
[54] **A METHOD OF TREATMENT**
[54] **METHODE DE TRAITEMENT DES VOIES RESPIRATOIRES.**
[72] SAMUEL, CHRISHAN SURENDRAN, AU
[72] LIM, REBECCA SEOK WAI, AU
[71] HUDSON INSTITUTE OF MEDICAL RESEARCH, AU
[71] MONASH UNIVERSITY, AU
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[54] **DNA REPAIR PROFILING AND METHODS THEREFOR**
[54] **PROFILAGE DE REPARATION D'ADN ET PROCEDES ASSOCIES**
[72] SOON-SHIONG, PATRICK, US
[72] RABIZADEH, SHAHROOZ, US
[72] NIAZI, KAYVAN, US
[71] NANT HOLDINGS IP, LLC, US
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[54] **WATERCRAFT AND COMPRESSED-AIR DISTRIBUTION INSTALLATION**
[54] **VEHICULE MARIN**
[72] ELMER, KARL-HEINZ, DE
[71] ELMER, KARL-HEINZ, DE
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[25] EN
[54] **SYSTEMS AND METHODS FOR REAL TIME PREPARATION OF A POLYPEPTIDE SAMPLE FOR ANALYSIS WITH MASS SPECTROMETRY**
[54] **SYSTEMES ET PROCEDES DE PREPARATION EN TEMPS REEL D'UN ECHANTILLON DE POLYPEPTIDE POUR ANALYSE PAR SPECTROMETRIE DE MASSE**
[72] WU, CHAO-HSIANG, US
[71] AMGEN INC., US
[85] 2020-01-30
[86] 2018-08-01 (PCT/US2018/044887)
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[51] **Int.Cl. C12Q 1/6827 (2018.01) A01H 6/28 (2018.01) C12Q 1/6895 (2018.01) A61K 31/352 (2006.01) A61P 25/08 (2006.01)**
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[54] **MEDICINAL CANNABIS**
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[72] COGAN, NOEL, AU
[72] ROCHFORT, SIMONE JANE, AU
[72] SPANGENBERG, GERMAN CARLOS, AU
[72] JEWELL, LARRY STEPHEN, AU
[71] AGRICULTURE VICTORIA SERVICES PTY LTD, AU
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[54] **RENOVATION CEILING MAT**
[54] **TAPIS DE RENOVATION DE PLAFOND**
[72] LACAMERA, DOMENICO, NL
[72] HAGENS, SANDER C., NL
[71] OCV INTELLECTUAL CAPITAL, LLC, US
[85] 2020-01-30
[86] 2018-08-03 (PCT/US2018/045129)
[87] (WO2019/032393)
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[51] **Int.Cl. A61M 37/00 (2006.01)**
[25] EN
[54] **COMPACT HIGH MECHANICAL ENERGY STORAGE AND LOW TRIGGER FORCE ACTUATOR FOR THE DELIVERY OF MICROPROJECTION ARRAY PATCHES (MAP)**
[54] **ACTIONNEUR A STOCKAGE D'ENERGIE MECANIQUE ELEVE COMPACT ET A FORCE DE DECLENCHEMENT FAIBLE POUR L'ADMINISTRATION DE PATCHS A RESEAUX DE MICROPROJECTIONS (PRM)**
[72] LEMAIRE, PIERRE ARMAND VINCENT, AU
[71] VAXXAS PTY LIMITED, AU
[85] 2020-01-31
[86] 2018-08-03 (PCT/AU2018/050810)
[87] (WO2019/023757)
[30] US (62/605,205) 2017-08-04

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[54] **BONE SCREW**
[54] **VIS A OS**
[72] PASTL, KLAUS, AT
[71] SURGEBRIGHT GMBH, AT
[85] 2020-01-31
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[54] **CHIMERIC ANTIGEN RECEPTOR MEDIATED CELL TARGETING**
[54] **CIBLAGE CELLULAIRE MEDIE PAR UN RECEPTEUR D'ANTIGENE CHIMERIQUE**
[72] CONWAY, ANTHONY, US
[72] JAIN, SUMITI, US
[72] LEE, GARY K., US
[72] REIK, ANDREAS, US
[72] TRUONG, LYNN N., US
[71] SANGAMO THERAPEUTICS, INC., US
[85] 2020-01-30
[86] 2018-08-08 (PCT/US2018/045759)
[87] (WO2019/032675)
[30] US (62/542,511) 2017-08-08
[30] US (62/581,290) 2017-11-03
[30] US (62/613,258) 2018-01-03
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[54] **USE OF STEROIDAL GLYCOSIDES, PHARMACEUTICAL FORMULATIONS, USE OF FURCRAEA FOETIDA PLANT EXTRACTS, PROCESS FOR PRODUCING FURCRAEA FOETIDA PLANT EXTRACTS AND METHOD FOR TREATING SKIN DISORDERS**
[54] **UTILISATION DE GLYCOSIDES STEROIDIENS, FORMULATIONS PHARMACEUTIQUES, UTILISATION D'EXTRAITS DE LA PLANTE FURCRAEA FOETIDA, PROCEDE D'OBTENTION D'EXTRAITS DE LA PLANTE FURCRAEA FOETIDA ET METHODE DE TRAITEMENT D'AFFECTIONS CUTANEES**
[72] GOMES, LISIS ROJO, BR
[72] PIANOWSKI, LUIZ FRANCISCO, BR
[71] GOMES, LISIS ROJO, BR
[71] PIANOWSKI, LUIZ FRANCISCO, BR
[85] 2020-01-31
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[30] BR (BR 10 2017 016550 7) 2017-08-01

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[51] **Int.Cl. A61B 5/0275 (2006.01) G06K 9/66 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR IMAGE PROCESSING TO GENERATE AN IMAGE HAVING PREDICTIVE TAGGING**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE TRAITEMENT D'IMAGE POUR GENERER UNE IMAGE PRESENTANT UN MARQUAGE PREDICTIF**
[72] JOHNSON, GREGORY, US
[72] OUNKOMOL, CHAWIN, US
[72] COLLMAN, FORREST, US
[72] SESHAMANI, SHARMISHTAA, US
[71] ALLEN INSTITUTE, US
[85] 2020-01-30
[86] 2018-08-08 (PCT/US2018/045840)
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[30] US (62/543,333) 2017-08-09
[30] US (62/560,043) 2017-09-18
[30] US (62/568,749) 2017-10-05
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[51] **Int.Cl. C07K 14/62 (2006.01) A61K 38/28 (2006.01)**
[25] EN
[54] **NOVEL ACYLATED INSULIN ANALOGUES AND USES THEREOF**
[54] **NOUVEAUX ANALOGUES D'INSULINE ACYLES ET LEURS UTILISATIONS**
[72] OLSEN, GRITH SKYTTE, DK
[72] HANSEN, BO FALCK, DK
[72] SCHAFFER, LAUGE, DK
[72] PETTERSSON, INGRID, DK
[72] SLAABY, RITA, DK
[72] BRANDT, JAKOB, DK
[71] NOVO NORDISK A/S, DK
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[25] EN
[54] **SUPERCONDUCTING DEVICE WITH THERMALLY CONDUCTIVE HEAT SINK**
[54] **DISPOSITIF SUPRACONDUCTEUR AVEC DISSIPATEUR THERMIQUE THERMOCONDUCTEUR**
[72] PESETSKI, AARON A., US
[72] LONEY, PATRICK ALAN, US
[71] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
[85] 2020-01-30
[86] 2018-08-03 (PCT/US2018/045184)
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[30] US (15/677,756) 2017-08-15

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[51] **Int.Cl. C09D 5/08 (2006.01) C23C 22/56 (2006.01) C23C 22/68 (2006.01)**
[25] EN
[54] **PRETREATMENT COMPOSITIONS, COATED ALUMINUM ALLOYS, AND METHODS OF MAKING THE SAME**
[54] **COMPOSITIONS DE PRETRAITEMENT, ALLIAGES D'ALUMINIUM REVETUS ET PROCEDES POUR LES PRODUIRE**
[72] BASSI, CORRADO, CH
[72] BERNER, MICHELE EDITH, CH
[72] RADERMACHER, CHRISTOPH ERNST JOSEPH, CH
[71] NOVELIS INC., US
[85] 2020-01-29
[86] 2018-07-27 (PCT/US2018/044032)
[87] (WO2019/027822)
[30] US (62/538,993) 2017-07-31
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[25] EN
[54] **INFRARED-REJECTING OPTICAL PRODUCTS HAVING PIGMENTED COATINGS**
[54] **PRODUITS OPTIQUES REJETANT LES INFRAROUGES A REVETEMENTS PIGMENTES**
[72] KROGMAN, KEVIN C., US
[72] ISBELL, JEREMY L., US
[72] BOMAN, LEE CAMPBELL, US
[72] MATUS, YURIY, US
[72] PATEL, KAYUR ASHWIN, US
[71] SOUTHWALL TECHNOLOGIES INC., US
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[86] 2018-08-09 (PCT/US2018/045933)
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[30] US (15/689,493) 2017-08-29

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR CONTROL RESOURCE MAPPING**
[54] **PROCEDES ET APPAREILS DE MAPPAGE DE RESSOURCES DE COMMANDE**
[72] MIAO, ZHAOBANG, CN
[72] WANG, GANG, CN
[71] NEC CORPORATION, JP
[85] 2020-01-31
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[25] EN
[54] **INJECTION FLUIDS COMPRISING AN ANIONIC SURFACTANT FOR TREATING UNCONVENTIONAL FORMATIONS**
[54] **FLUIDES POUR INJECTION COMPRENANT UN TENSIOACTIF ANIONIQUE POUR LE TRAITEMENT DE FORMATIONS NON CLASSIQUES**
[72] WALKER, DUSTIN L., US
[72] PINNAWALA ARACHCHILAGE, GAYANI, US
[72] NIZAMIDIN, NABI, US
[72] DWARAKANATH, VARADARAJAN, US
[72] TANG, GUO-QING, US
[72] LOWRY, DUSTIN J., US
[72] INOUYE, TETSUO ART, US
[72] MALIK, TAIMUR, US
[71] CHEVRON U.S.A. INC., US
[85] 2020-01-30
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[25] EN
[54] **APPARATUS AND PROCESS FOR DISPENSING A MEASURED QUANTITY OF LIQUID PRODUCT**
[54] **APPAREIL ET PROCEDE DE DISTRIBUTION D'UNE QUANTITE MESUREE DE PRODUIT LIQUIDE**
[72] BRIGGS, NICOLE LYNN, US
[72] MIZER, SCOTT EUGENE, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-30
[86] 2018-09-06 (PCT/US2018/049637)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION AND METHODS FOR THE PREVENTION OF STAPHYLOCOCCUS AUREUS USING ARTIFICIAL BACTERIAL COLONIZATION**
[54] **COMPOSITION PHARMACEUTIQUE ET PROCEDES POUR LA PREVENTION DE STAPHYLOCOCCUS AUREUS A L'AIDE D'UNE COLONISATION BACTERIENNE ARTIFICIELLE**
[72] GAILLARD, JEAN-LOUIS, FR
[72] GUILLEMOT, DIDIER, FR
[72] HERRMANN, JEAN-LOUIS, FR
[72] ROTTMAN, MARTIN, FR
[72] ALVAREZ, ANNE-SOPHIE, FR
[72] SALOMON, JEROME, FR
[71] UNIVERSITE DE VERSAILLES-ST QUENTIN EN YVELINES, FR
[71] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
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[25] EN
[54] **SOLID FREEFORM FABRICATION UTILIZING IN SITU INFUSION AND IMAGING**
[54] **FABRICATION DE FORME LIBRE SOLIDE AU MOYEN D'UNE INFUSION ET D'UNE IMAGERIE IN SITU**
[72] STEEGE, ADAM T.C., US
[71] TRIO LABS, INC., US
[85] 2020-01-30
[86] 2018-08-02 (PCT/US2018/044938)
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[54] **GRAIN HANDLING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MANIPULATION DE GRAINS**
[72] SCHLEUSNER, BRADLEY, US
[72] BREMER, MARSHALL, US
[72] BUTTS, NICKOLAS, US
[71] INTELLIGENT AGRICULTURAL SOLUTIONS LLC, US
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[87] (WO2019/055405)
[30] US (15/702,621) 2017-09-12

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[54] **CONTENU DISTRIBUE POUR AERONEF**
[72] GIRARD, LARRY, US
[72] WINSTON, JOSEPH, US
[71] SYSTEMS AND SOFTWARE ENTERPRISES, LLC, US
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[54] **DETECTION OF ELECTROCARDIOGRAPHIC SIGNAL**
[54] **DETECTION DE SIGNAL D'ELECTROCARDIOGRAMME**
[72] WANG, KONGQIAO, CN
[72] ZHAO, WEI, CN
[72] LI, YAZHAO, CN
[72] LI, XIAO, CN
[71] ANHUI HUAMI INFORMATION TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **VISCOELASTIC ELEMENT BASED ON A POLYURETHANE FOAM**
[54] **ELEMENT VISCOELASTIQUE A BASE D'UNE MOUSSE DE POLYURETHANE**
[72] WEISER, MARC-STEPHAN, DE
[72] PLUG, SASCHA, DE
[72] DORR, SEBASTIAN, DE
[72] MOTLEY, JEFFREY, GB
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2020-01-30
[86] 2018-10-02 (PCT/EP2018/076852)
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[25] EN
[54] **RECHARGEABLE BATTERY JUMP STARTING DEVICE WITH CONTROL SWITCH AND OPTICAL POSITION SENSING SWITCH SYSTEM**
[54] **DISPOSITIF DE DEMARRAGE D'APPOINT DE BATTERIE RECHARGEABLE AVEC COMMUTATEUR DE COMMANDE ET SYSTEME DE COMMUTATEUR DE DETECTION DE POSITION OPTIQUE**
[72] NOOK, JONATHAN LEWIS, US
[72] NOOK, WILLIAM KNIGHT, US
[72] STANFIELD, JAMES RICHARD, US
[72] UNDERHILL, DEREK MICHAEL, US
[71] THE NOCO COMPANY, US
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[51] **Int.Cl. B09B 3/00 (2006.01)**
[25] FR
[54] **ASBESTOS WASTE DESTRUCTION AND VALORIZATION METHOD**
[54] **PROCEDE DE DESTRUCTION ET DE VALORISATION DE DECHETS AMIANTES**
[72] TALBI, GAEL, FR
[72] CAMBON, OLIVIER, FR
[72] CAMBON, MARTINE, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] ENSCM - ECOLE NATIONALE SUPERIEURE DE CHIMIE, FR
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[51] **Int.Cl. C22B 7/00 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING 2024 AND 7075 ALUMINUM ALLOYS BY RECYCLING WASTE AIRCRAFT ALUMINUM ALLOYS**
[54] **PROCEDES POUR LA PRODUCTION D'ALLIAGES D'ALUMINIUM 2024 ET 7075 PAR RECYCLAGE D'ALLIAGES D'ALUMINIUM D'AERONEFS USAGES**
[72] ZHANG, SHENGEN, CN
[72] LIU, BO, CN
[72] LIN, RUI, CN
[71] BOEING (CHINA) CO., LTD., CN
[85] 2020-01-31
[86] 2018-09-19 (PCT/CN2018/106424)
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[30] CN (201710855471.4) 2017-09-20

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[25] EN
[54] **SEMICONDUCTOR MULTILAYER STRUCTURE**
[54] **STRUCTURE MULTICOUCHE SEMI-CONDUCTRICE**
[72] AHO, ARTO, FI
[72] ISOAHO, RIKU, FI
[72] TUKIAINEN, ANTTI, FI
[72] GUINA, MIRCEA DOREL, FI
[72] VIHERIALA, JUKKA, FI
[71] TTY-SAATIO SR., FI
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[86] 2017-09-18 (PCT/EP2017/073521)
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[54] **NON-HUMAN ANIMALS COMPRISING A HUMANIZED TTR LOCUS AND METHODS OF USE**
[54] **ANIMAUX NON HUMAINS COMPRENANT UN LOCUS TTR HUMANISE ET PROCEDES D'UTILISATION**
[72] DRUMMOND-SAMUELSON, MEGHAN, US
[72] HAINES, JEFFERY, US
[72] HARTFORD, SUZANNE, US
[72] FRENDEWEY, DAVID, US
[72] ZAMBROWICZ, BRIAN, US
[72] MURPHY, ANDREW J., US
[71] REGENERON PHARMACEUTICALS, INC., US
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[86] 2018-09-28 (PCT/US2018/053389)
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[25] EN
[54] **UPSTREAM AND DOWNSTREAM PROCESSING WITHIN SINGLE-USE CONTAINERS**
[54] **TRAITEMENT EN AMONT ET EN AVAL DANS DES RECIPIENTS A USAGE UNIQUE**
[72] MAGGIORE, FRANK, US
[71] SARTORIUS STEDIM BIOTECH GMBH, DE
[85] 2020-01-31
[86] 2018-06-21 (PCT/EP2018/066553)
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[30] US (15/672,559) 2017-08-09

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[72] TANEICHI, KAORU, JP
[71] TANEICHI, KAORU, JP
[85] 2020-01-29
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[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] EN
[54] **FUNCTIONAL ELEMENT HAVING ELECTRICALLY CONTROLLABLE OPTICAL PROPERTIES**
[54] **ELEMENT FONCTIONNEL DOTE DE PROPRIETES OPTIQUES ELECTRIQUEMENT REGLABLES**
[72] KLEIN, MARCEL, DE
[72] DROGE, ALICIA, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-01-31
[86] 2018-07-17 (PCT/EP2018/069386)
[87] (WO2019/025178)
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[51] **Int.Cl. A47J 31/42 (2006.01) A47J 31/44 (2006.01)**
[25] EN
[54] **DEVICE FOR PRESSING A DOSE OF GROUND COFFEE POWDER**
[54] **DISPOSITIF POUR PRESSER UNE DOSE DE POUDRE DE CAFE MOULU**
[72] DE' LONGHI, GIUSEPPE, IT
[72] ROSSETTO, GIOVANNI, IT
[72] CASASOLA, MAURIZIO, IT
[72] POGGIOLI, MASSIMO, IT
[71] DE' LONGHI APPLIANCES S.R.L., IT
[85] 2020-01-31
[86] 2018-07-25 (PCT/EP2018/070235)
[87] (WO2019/025268)
[30] IT (102017000090275) 2017-08-03

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[51] **Int.Cl. F21S 2/00 (2016.01) B08B 17/02 (2006.01) F21S 8/00 (2006.01)**
[25] EN
[54] **A LIGHT EMITTING DEVICE, COMPRISING LIGHT EMITTING UNITS BEING ARRANGED IN A PLANE FILLING PATTERN**
[54] **DISPOSITIF ELECTROLUMINESCENT COMPRENANT DES UNITES ELECTROLUMINESCENTES DISPOSEES SELON UN MOTIF DE REMPLISSAGE PLAN**
[72] SALTERS, BART ANDRE, NL
[72] HIETBRINK, ROELANT BOUDEWIJN, NL
[72] VAN LIEROP, MICHAEL MARIA JOHANNES, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2020-01-31
[86] 2018-07-24 (PCT/EP2018/069981)
[87] (WO2019/025230)
[30] EP (17189629.3) 2017-09-06
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[25] EN
[54] **PRINTABLE DIFFUSER**
[54] **DIFFUSEUR IMPRIMABLE**
[72] IVEY, JOHNATHAN, US
[71] MITEK CORP., INC., US
[85] 2020-01-29
[86] 2018-09-18 (PCT/US2018/051602)
[87] (WO2019/060328)
[30] US (15/710,654) 2017-09-20
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[51] **Int.Cl. H04R 1/02 (2006.01) B60R 11/02 (2006.01) H04R 1/00 (2006.01) H04R 1/34 (2006.01)**
[25] EN
[54] **DIRECT FIRE SMALL CEILING SPEAKER SYSTEM**
[54] **PETIT SYSTEME DE HAUT-PARLEUR DE PLAFOND A DECLENCHEMENT DIRECT**
[72] IVEY, JOHNATHAN, US
[71] MITEK CORP., INC., US
[85] 2020-01-29
[86] 2018-09-19 (PCT/US2018/051801)
[87] (WO2019/060446)
[30] US (15/710,654) 2017-09-20
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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/58 (2006.01) A61P 25/24 (2006.01) A61P 25/28 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **USE OF COENZYME FACTOR FOR ACTIVATION OF ATP PRODUCTION IN CELL**
[54] **UTILISATION DU FACTEUR DE COENZYME POUR ACTIVER LA PRODUCTION D'ATP DANS UNE CELLULE**
[72] NAGAMATSU, TOMOHISA, JP
[72] AKAIKE, NORIO, JP
[71] TERA STONE CO., LTD, JP
[85] 2020-01-29
[86] 2019-02-04 (PCT/JP2019/003860)
[87] (WO2019/151516)
[30] JP (2018-018388) 2018-02-05
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[51] **Int.Cl. G01N 33/18 (2006.01)**
[25] EN
[54] **CARBON DIOXIDE AND/OR HYDROGEN SULPHIDE DETECTION SYSTEM AND METHOD AND USE THEREOF**
[54] **SYSTEME ET PROCEDE DE DETECTION DE DIOXYDE DE CARBONE ET/OU DE SULFURE D'HYDROGENE ET LEUR UTILISATION**
[72] OWEN, DAVID ALEXANDER, DK
[71] BLUE UNIT A/S, DK
[85] 2020-01-31
[86] 2018-08-01 (PCT/EP2018/070893)
[87] (WO2019/025501)
[30] DK (PA 2017 70601) 2017-08-04

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[51] **Int.Cl. B65D 51/24 (2006.01) G10K 9/04 (2006.01)**
[25] EN
[54] **SOUND EMITTING BOTTLE CAP**
[54] **BOUCHON DE BOUTEILLE EMETTANT UN SON**
[72] HATTON, MALCOLM WALLACE, GB
[71] TWIST 'N' SHOUT LTD., GB
[85] 2020-01-31
[86] 2018-08-03 (PCT/IB2018/055878)
[87] (WO2019/026051)
[30] US (62/541,501) 2017-08-04

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[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/047 (2006.01) C01B 3/56 (2006.01)**
[25] FR
[54] **METHOD FOR THE CONTINUOUS PRODUCTION OF A GASEOUS HYDROGEN STREAM**
[54] **PROCEDE DE PRODUCTION CONTINUE D'UN FLUX GAZEUX D'HYDROGENE**
[72] GARY, DANIEL, FR
[72] ALLIDIERES, LAURENT, FR
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE, FR
[85] 2020-01-31
[86] 2018-07-13 (PCT/FR2018/051786)
[87] (WO2019/025690)
[30] FR (1757491) 2017-08-03

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[51] **Int.Cl. A61K 31/7084 (2006.01) A61K 9/19 (2006.01) F26B 5/06 (2006.01)**
[25] EN
[54] **DRUG COMPOUND AND PURIFICATION METHODS THEREOF**
[54] **COMPOSE MEDICAMENTEUX ET SES PROCEDES DE PURIFICATION**
[72] JOSHI-HANGAL, RAJASHREE, US
[72] DAVAR, NIPUN, US
[72] PRIEBE, STEPHEN R., US
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2020-01-31
[86] 2018-08-02 (PCT/IB2018/000992)
[87] (WO2019/025863)
[30] US (62/540,706) 2017-08-03

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[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/4709 (2006.01) A61P 33/00 (2006.01) C07D 401/04 (2006.01) C07D 413/04 (2006.01) C07D 413/14 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **QUINOLINE DERIVATIVES FOR TREATING INFECTIONS WITH HELMINTHS**
[54] **DERIVES DE QUINOLEINE DESTINES AU TRAITEMENT D'INFECTIONS PAR DES HELMINTHES**
[72] GRIEBENOW, NILS, DE
[72] ZHUANG, WEI, DE
[72] KULKE, DANIEL, DE
[72] BOHM, CLAUDIA, DE
[72] SCHWARZ, HANS-GEORG, DE
[72] HUBSCH, WALTER, DE
[72] ILG, THOMAS, DE
[71] BAYER ANIMAL HEALTH GMBH, DE
[85] 2020-01-31
[86] 2018-07-30 (PCT/EP2018/070552)
[87] (WO2019/025341)
[30] EP (17185001.9) 2017-08-04

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **COMBINATION OF ATR KINASE INHIBITORS AND PD-1/PD-L1 INHIBITORS**
[54] **COMBINAISON D'INHIBITEURS DE KINASE ATR ET D'INHIBITEURS DE PD-1/PD-L1**
[72] WENGNER, ANTJE, MARGRET, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2020-01-31
[86] 2018-07-31 (PCT/EP2018/070729)
[87] (WO2019/025440)
[30] EP (17184950.8) 2017-08-04

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[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **PROCESS FOR THE MANIPULATION OF NUCLEIC ACIDS**
[54] **PROCEDE DE PRODUCTION D'ACIDES NUCLEIQUES**
[72] FARIDMOAYER, AMIRREZA, CH
[72] KOWARIK, MICHAEL THOMAS, CH
[72] LIPOWSKY, GERD MARTIN, CH
[72] SERVENTI, FABIO, CH
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2020-01-31
[86] 2018-08-07 (PCT/EP2018/071415)
[87] (WO2019/030234)
[30] GB (1712678.0) 2017-08-07

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[13] A1
[51] **Int.Cl. H04W 8/22 (2009.01) H04W 16/26 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **RADIO BASE STATION AND COMMUNICATION CONTROL METHOD**
[54] **STATION DE BASE SANS FIL ET PROCEDE DE COMMANDE DE COMMUNICATION**
[72] TOEDA, TERUAKI, JP
[72] UCHINO, TOORU, JP
[72] UMESH, ANIL, JP
[71] NTT DOCOMO, INC., JP
[85] 2020-01-30
[86] 2018-08-13 (PCT/JP2018/030169)
[87] (WO2019/035434)
[30] JP (2017-157281) 2017-08-16

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[13] A1
[51] **Int.Cl. E21B 29/06 (2006.01) E21B 7/06 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR MILLING A WINDOW IN A BOREHOLE**
[54] **APPAREIL ET PROCEDE DE FRAISAGE D'UNE FENETRE DANS UN TROU DE FORAGE**
[72] MCGARIAN, BRUCE, GB
[71] MCGARIAN, BRUCE, GB
[85] 2020-01-31
[86] 2018-07-25 (PCT/GB2018/052087)
[87] (WO2019/025761)
[30] GB (1712387.8) 2017-08-01

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[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **MEANS AND METHODS FOR PROTEIN QUANTIFICATION**
[54] **MOYENS ET PROCEDES DE QUANTIFICATION DE PROTEINES**
[72] KASTILAN, ROBIN, DE
[72] MUSCHEN, CATHERINE, DE
[72] BUYEL, JOHANNES, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DES ANGEWANDTEN FORSCHUNG E.V., DE
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[86] 2018-08-03 (PCT/EP2018/071152)
[87] (WO2019/025597)
[30] EP (17184690.0) 2017-08-03

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[51] **Int.Cl. C12Q 1/00 (2006.01) C12Q 1/26 (2006.01) C12Q 1/34 (2006.01) G01N 33/70 (2006.01)**
[25] EN
[54] **DETECTION OF CREATINE LEVELS USING ENZYME COMPOSITIONS**
[54] **DETECTION DES NIVEAUX DE CREATININE A L'AIDE DE COMPOSITIONS ENZYMATIQUES**
[72] LEARNEY, ROBERT M., GB
[72] BOUTELLE, MARTYN G., GB
[71] IP2IPO INNOVATIONS LIMITED, GB
[85] 2020-01-31
[86] 2018-08-03 (PCT/GB2018/052231)
[87] (WO2019/025815)
[30] GB (1712592.3) 2017-08-04

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[51] **Int.Cl. B01L 3/00 (2006.01) A61B 10/00 (2006.01) G01N 33/543 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **LATERAL FLOW ASSAY AND DEVICE FOR SKIN CARE APPLICATION**
[54] **DOSAGE D'ECOULEMENT LATERAL ET DISPOSITIF POUR APPLICATION DE SOINS DE LA PEAU**
[72] NEUMAN, TOOMAS, EE
[72] SPEE, PETRUS JOHANNES LOUIS, EE
[71] FIBROTX OU, EE
[85] 2020-01-31
[86] 2018-08-03 (PCT/EP2018/071179)
[87] (WO2019/025610)
[30] EP (17184824.5) 2017-08-03
[30] EP (17189907.3) 2017-09-07

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[51] **Int.Cl. B01D 47/06 (2006.01) C01B 32/50 (2017.01) B01D 53/50 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01)**
[25] EN
[54] **AIR POLLUTION CONTROL UNIT AND AIR POLLUTION CONTROL METHOD, AND CO2 RECOVERY UNIT AND CO2 RECOVERY METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE GAZ, PROCEDE DE TRAITEMENT DE GAZ, DISPOSITIF DE RECUPERATION DE CO2 ET PROCEDE DE RECUPERATION DE CO2**
[72] HIRATA, TAKUYA, JP
[72] TANAKA, HIROSHI, JP
[72] INUI, MASAYUKI, JP
[72] KISHIMOTO, SHINYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2020-01-30
[86] 2018-10-24 (PCT/JP2018/039526)
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[30] JP (2017-210570) 2017-10-31

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[51] **Int.Cl. A61K 35/52 (2015.01) A01N 1/02 (2006.01)**
[25] EN
[54] **MTOR ENHACERS AND USES THEREOF TO IMPROVE SPERM QUALITY AND FUNCTION DURING STORAGE**
[54] **ACTIVATEURS DE MTOR ET LEURS UTILISATIONS POUR AMELIORER LA QUALITE ET LA FONCTION DU SPERME PENDANT LE STOCKAGE**
[72] GOUVEIA ALVES, MARCO AURELIO, PT
[72] FONTES OLIVEIRA, CARLOS PEDRO, PT
[72] DA SILVA LEITE DE SOUSA, MARIO MANUEL, PT
[72] BOLEO TELES DE JESUS, TITO MIGUEL, PT
[72] PINTO DE ALMEIDA, SUSANA PAULA, PT
[71] UNIVERSIDADE DO PORTO, PT
[85] 2020-01-31
[86] 2018-07-31 (PCT/IB2018/055715)
[87] (WO2019/025961)
[30] PT (110231) 2017-08-02

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[51] **Int.Cl. F03B 13/20 (2006.01) F03B 13/18 (2006.01)**
[25] EN
[54] **DRIVE ASSEMBLY**
[54] **ENSEMBLE D'ENTRAINEMENT**
[72] STOCKMAN, GARETH IAN, GB
[72] CHAPMAN, JOHN CHRISTOPHER, GB
[72] FOSTER, GRAHAM, GB
[71] MARINE POWER SYSTEMS LIMITED, GB
[85] 2020-01-31
[86] 2018-08-09 (PCT/GB2018/052274)
[87] (WO2019/030534)
[30] GB (1712855.4) 2017-08-10

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[51] **Int.Cl. B42D 25/337 (2014.01) B42D 25/40 (2014.01) B41F 7/08 (2006.01) B41F 9/02 (2006.01) B41F 11/00 (2006.01) B41F 31/00 (2006.01) B41M 3/14 (2006.01)**
[25] EN
[54] **PRINTED SECURITY ELEMENT COMPRISING A RAINBOW FEATURE AND METHOD OF PRODUCING THE SAME**
[54] **ELEMENT DE SECURITE IMPRIME COMPRENANT UNE CARACTERISTIQUE D'ARC-EN-CIEL ET SON PROCEDE DE PRODUCTION**
[72] GUILLEREY, HERVE, CH
[72] SCHAEDE, JOHANNES, DE
[72] TARDY, HERVE, CH
[71] KBA-NOTASYS SA, CH
[85] 2020-01-31
[86] 2018-11-19 (PCT/EP2018/081747)
[87] (WO2019/101683)
[30] EP (17203882.0) 2017-11-27

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[51] **Int.Cl. A61K 9/08 (2006.01) A61K 31/166 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES**
[72] COOK, GARY, US
[72] MARSH, SALLY LOUISE, GB
[72] PETHEN, STEPHEN JOHN, GB
[72] ROE, MICHAEL BRYAN, GB
[72] YEA, CHRISTOPHER MARTYN, GB
[71] KALVISTA PHARMACEUTICALS LIMITED, GB
[85] 2020-01-31
[86] 2018-08-13 (PCT/GB2018/052292)
[87] (WO2019/030540)
[30] US (62/544,346) 2017-08-11
[30] GB (1713660.7) 2017-08-25

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[13] A1
[51] **Int.Cl. G01N 27/333 (2006.01) C02F 5/00 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING SCALE INHIBITOR CONCENTRATION IN SALT WATER WITH A CALCIUM / MAGNESIUM IONSELECTIVE ELECTRODE**
[54] **PROCEDE DE DETERMINATION DE LA CONCENTRATION D'INHIBITEUR DE TARTRE DANS UNE EAU SALEE A L'AIDE D'UNE ELECTRODE IONOSELECTIVE DE CALCIUM / MAGNESIUM**
[72] SCHELLBACH, WINFRIED, DE
[72] NIED, STEPHAN, DE
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., KY
[85] 2020-01-31
[86] 2018-07-26 (PCT/EP2018/070273)
[87] (WO2019/025276)
[30] EP (17184861.7) 2017-08-04

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[13] A1
[51] **Int.Cl. H01L 41/25 (2013.01) H01L 41/09 (2006.01) H01L 41/193 (2006.01) H02N 2/00 (2006.01)**
[25] EN
[54] **MECHANISMS FOR PRE-STRETCHING ELECTRO-ACTIVE POLYMERS BY A PRE-DETERMINED AMOUNT AND METHODS OF USE THEREOF**
[54] **MECANISMES DE PRE-ETIRAGE DE POLYMERES ELECTRO-ACTIFS SELON UNE QUANTITE PREDETERMINEE ET LEURS PROCEDES D'UTILISATION**
[72] ZELKA, OMER, IL
[71] ELASTIMED LTD., IL
[85] 2020-01-31
[86] 2018-07-25 (PCT/IB2018/000957)
[87] (WO2019/025854)
[30] US (62/540,014) 2017-08-01

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[51] **Int.Cl. A01G 7/04 (2006.01)**
[25] EN
[54] **DIMMING METHOD FOR CONSTANT LIGHT INTENSITY**
[54] **PROCEDE D'ATTENUATION POUR INTENSITE LUMINEUSE CONSTANTE**
[72] KRIJN, MARCELLINUS PETRUS CAROLUS MICHAEL, NL
[72] VAN ELMPT, ROB FRANCISCUS MARIA, NL
[71] SIGNIFY HOLDING B.V., NL
[85] 2020-01-31
[86] 2018-07-27 (PCT/EP2018/070460)
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[30] EP (17183929.3) 2017-07-31

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[51] **Int.Cl. G06F 21/55 (2013.01) B60R 16/023 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREVENTING MALICIOUS CAN BUS ATTACKS**
[54] **SYSTEME ET PROCEDE DE PREVENTION D'ATTAQUES MALVEILLANTES DE BUS CAN**
[72] KAMIR, EYAL, IL
[72] FOK, ALEXANDER, IL
[72] TUCHMAN, YANIV, IL
[72] BITTON, AVI, IL
[72] FRIEDMAN, URIEL, IL
[72] DALI, MENI, IL
[72] MALKA, YONI, IL
[71] ENIGMATOS LTD., IL
[85] 2020-01-31
[86] 2018-08-01 (PCT/IL2018/050858)
[87] (WO2019/026077)
[30] US (62/540,160) 2017-08-02

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[25] EN
[54] **JOINT ORTHOSIS WITH MOVABLE PAD**
[54] **ORTHESE ARTICULAIRE DOTEE D'UNE PELOTE MOBILE**
[72] HESS, HEINRICH, DE
[72] BAUERFEIND, HANS B., DE
[71] BAUERFEIND AG, DE
[85] 2020-01-31
[86] 2018-07-31 (PCT/EP2018/070669)
[87] (WO2019/025403)
[30] DE (10 2017 213 300.7) 2017-08-01

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[51] **Int.Cl. H04B 10/079 (2013.01) H04B 10/2537 (2013.01) H04B 10/2543 (2013.01) H04B 10/293 (2013.01) H04B 10/294 (2013.01)**
[25] EN
[54] **ADJUSTMENT OF CONTROL PARAMETERS OF SECTION OF OPTICAL FIBER NETWORK AND POWER CONTROL IN AN OPTICAL FIBER NETWORK**
[54] **REGLAGE DE PARAMETRES DE COMMANDE D'UNE SECTION DE RESEAU DE FIBRES OPTIQUES ET COMMANDE DE PUISSANCE DANS UN RESEAU DE FIBRES OPTIQUES**
[72] ROBERTS, KIM, CA
[72] HARLEY, JAMES, CA
[72] BOERTJES, DAVID, CA
[72] ZHUGE, QUNBI, CA
[72] REIMER, MICHAEL, CA
[72] O'SULLIVAN, MAURICE, CA
[71] CIENA CORPORATION, US
[85] 2020-01-31
[86] 2018-04-05 (PCT/IB2018/052376)
[87] (WO2018/215850)
[30] US (15/603,810) 2017-05-24
[30] US (15/648,895) 2017-07-13
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[51] **Int.Cl. C07C 237/20 (2006.01) A61K 31/165 (2006.01) A61K 31/17 (2006.01) A61K 31/18 (2006.01) A61K 31/27 (2006.01) A61K 31/325 (2006.01) A61P 25/00 (2006.01) C07C 275/18 (2006.01) C07C 307/02 (2006.01) C07C 333/04 (2006.01)**
[25] EN
[54] **CARBAMOYL PHENYLALANINOL ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE CARBAMOYL PHENYLALANINOL ET LEURS UTILISATIONS**
[72] HURLEY, FIONN, IE
[71] JAZZ PHARMACEUTICALS IRELAND LIMITED, IE
[85] 2020-01-29
[86] 2018-07-31 (PCT/US2018/044465)
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[30] US (62/539,088) 2017-07-31

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[51] **Int.Cl. G08G 1/16 (2006.01) B60W 30/10 (2006.01) G01C 21/34 (2006.01)**
[25] EN
[54] **TRAVEL ASSISTANCE METHOD AND TRAVEL ASSISTANCE DEVICE**
[54] **PROCEDE ET DISPOSITIF D'AIDE AU DEPLACEMENT**
[72] TSUJI, MASAFUMI, JP
[72] UEDA, HIROTOSHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-01-31
[86] 2017-08-02 (PCT/JP2017/028093)
[87] (WO2019/026210)

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[51] **Int.Cl. A43B 21/26 (2006.01) A43B 7/14 (2006.01) A43B 13/12 (2006.01) A43B 13/18 (2006.01) A43B 7/06 (2006.01)**
[25] EN
[54] **DEVICE SUITABLE FOR BEING INTEGRATED IN FOOTWEARS SOLES, ACTING AS CUSHIONING, ENERGY DISSIPATION AND STABILIZATION MEANS**
[54] **DISPOSITIF APTE A ETRE INTEGRE DANS DES SEMELLES DE CHAUSSURES, AGISSANT EN TANT QUE MOYENS DE REMBOURRAGE, DE DISSIPATION D'ENERGIE ET DE STABILISATION**
[72] DE LUCA, CATALDO, IT
[71] BASE PROTECTION SRL, IT
[85] 2020-01-31
[86] 2018-08-02 (PCT/IB2018/055824)
[87] (WO2019/026025)
[30] IT (102017000089835) 2017-08-03

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[51] **Int.Cl. C07D 257/06 (2006.01) A01N 43/713 (2006.01) C07C 65/32 (2006.01) C07C 65/40 (2006.01) C07C 69/76 (2006.01) C07C 69/92 (2006.01) C07C 323/62 (2006.01) C07D 307/46 (2006.01) C07D 333/22 (2006.01) C07D 405/12 (2006.01) C07D 409/12 (2006.01)**
[25] EN
[54] **3-ACYL-BENZAMIDES AND THEIR USE AS HERBICIDES**
[54] **3-ACYL-BENZAMIDES ET LEUR UTILISATION COMME HERBICIDES**
[72] WALDRAFF, CHRISTIAN, DE
[72] KOHN, ARNIM, DE
[72] AHRENS, HARTMUT, DE
[72] BRAUN, RALF, DE
[72] DIETRICH, HANSJORG, DE
[72] MACHETTIRA, ANU BHEEMAIAH, DE
[72] ROSINGER, CHRISTOPHER HUGH, DE
[72] GATZWEILER, ELMAR, DE
[72] ASMUS, ELISABETH, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2020-01-31
[86] 2018-08-02 (PCT/EP2018/070991)
[87] (WO2019/025540)
[30] EP (17185026.6) 2017-08-04

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[51] **Int.Cl. C12Q 1/6883 (2018.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF ATOPIC DERMATITIS AND TREATMENT SELECTION**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA DERMATITE ATOPIQUE ET LA SELECTION DU TRAITEMENT**
[72] HOWELL, MICHAEL D., US
[71] MEDIMMUNE LLC, US
[85] 2020-01-31
[86] 2018-08-15 (PCT/IB2018/056131)
[87] (WO2019/035005)
[30] US (62/546,210) 2017-08-16

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[13] A1
[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL UTILISATEUR ET PROCEDE DE COMMUNICATIONS SANS FIL**
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[72] WANG, LIHUI, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2020-01-31
[86] 2017-08-02 (PCT/JP2017/028113)
[87] (WO2019/026214)

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[13] A1
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/52 (2006.01) B01D 53/62 (2006.01) B01D 53/78 (2006.01)**
[25] EN
[54] **RECLAIMING APPARATUS AND METHOD FOR RECLAIMING**
[54] **DISPOSITIF DE RECUPERATION ET PROCEDE DE RECUPERATION**
[72] TANAKA, HIROSHI, JP
[72] HIRATA, TAKUYA, JP
[72] KAMIJO, TAKASHI, JP
[72] TSUJIUCHI, TATSUYA, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2020-01-31
[86] 2018-10-15 (PCT/JP2018/038359)
[87] (WO2019/078168)
[30] JP (2017-203726) 2017-10-20

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[13] A1
[51] **Int.Cl. A61K 31/07 (2006.01) A61K 31/201 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **PREVENTION AND/OR TREATMENT OF NEURODEGENERATIVE DISEASE**
[54] **PREVENTION ET/OU TRAITEMENT D'UNE MALADIE NEURODEGENERATIVE**
[72] HOWARD, ALAN NORMAN, GB
[72] NOLAN, JOHN, IE
[72] MULCAHY, RIONA, GB
[71] HOWARD FOUNDATION HOLDINGS LTD, GB
[85] 2020-01-31
[86] 2018-05-10 (PCT/GB2018/051255)
[87] (WO2019/110951)
[30] GB (1720119.5) 2017-12-04

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[51] **Int.Cl. G06F 8/61 (2018.01) G06F 9/4401 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CUSTOMIZED OPERATING SYSTEM CONVERSION**
[54] **SYSTEMES ET PROCEDES DE CONVERSION DE SYSTEME D'EXPLOITATION PERSONNALISEE**
[72] TIERNEY, GERARD, US
[72] SZWARC, WESLEY ALAN, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2020-01-31
[86] 2018-07-13 (PCT/US2018/041945)
[87] (WO2019/027654)
[30] US (15/667,093) 2017-08-02

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[13] A1
[51] **Int.Cl. A47J 31/22 (2006.01)**
[25] EN
[54] **CENTRIFUGAL COFFEE BREWER**
[54] **MACHINE A CAFE CENTRIFUGE**
[72] NIJSEN, ANDREAS JACOBUS LOUIS, NL
[72] LEIJENAAR, SYBREN YME, NL
[72] VAN DER KAMP, HEDZER MICHIEL ADRIAAN, NL
[72] DIKHOFF, HANS CONSTANT, NL
[72] DE RODE, RODERICK, NL
[72] DE WARRIMONT, SERGE ALFRED JOHAN, NL
[72] DE VRIES, FRANK JACOB PAUL, NL
[72] DE JONG, WILLEM OTTO, NL
[72] VERBURG, WILLEM, NL
[72] VAN DER PRIJT, DANIEL CONSTANTIJN, NL
[71] SPINN HOLDING B.V., NL
[85] 2020-01-31
[86] 2018-08-03 (PCT/NL2018/050536)
[87] (WO2019/031964)
[30] NL (2019398) 2017-08-07

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[13] A1
[51] **Int.Cl. E04H 12/12 (2006.01) E04H 12/16 (2006.01) E04H 12/34 (2006.01)**
[25] EN
[54] **SUPPORT STRUCTURE FOR WIND-DRIVEN POWER GENERATORS**
[54] **STRUCTURE DE SUPPORT POUR GENERATEURS D'ENERGIE EOLIENNE**
[72] LANCHA FERNANDEZ, JUAN CARLOS, ES
[72] CIDONCHA ESCOBAR, MANUEL, ES
[72] SALETE CASINO, EDUARDO, ES
[72] MARTINEZ DE CASTANEDA, FRANCISCO JAVIER, ES
[71] PACADAR, S.A., ES
[85] 2020-01-31
[86] 2018-08-16 (PCT/IB2018/056172)
[87] (WO2019/026056)

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **AN INHALER FOR A SINGLE-DOSE OF DRY POWDER AND A METHOD FOR ADJUSTING AN INHALER FOR SINGLE-DOSE OF DRY POWDER FOR DELIVERING A SPECIFIC MEDICAMENT**
[54] **INHALATEUR POUR UNE DOSE UNIQUE DE POUDRE SECHE ET PROCEDE DE REGLAGE D'UN INHALATEUR POUR UNE DOSE UNIQUE DE POUDRE SECHE POUR ADMINISTRER UN MEDICAMENT SPECIFIQUE**
[72] SOSNOWSKI, TOMASZ, PL
[72] MOSKAL, ARKADIUSZ, PL
[72] KLUCZ, EMIL, PL
[72] RATAJCZAK, RADOSLAW, PL
[72] ZEBROWSKI, PAWEL, PL
[72] SIERACKI, FILIP, PL
[72] CICHOSZ, ANNA, PL
[72] MATULEWICZ, KAROLINA, PL
[72] SWIETLIK, DARIA, PL
[72] SIEROSLAWSKA, ANNA, PL
[72] MROZ, PAULINA, PL
[72] SICHEL, JOANNA, PL
[72] RYCHLAWSKI, KRZYSZTOF, PL
[72] KLUCZ, KRZYSZTOF, PL
[72] WIRWICKI, MATEUSZ, PL
[72] WISNIEWSKI, WALDEMAR, PL
[72] ROSZCZYK, PAWEL, PL
[71] PULINNO SP. Z O.O., PL
[85] 2020-01-31
[86] 2018-08-31 (PCT/IB2018/056672)
[87] (WO2019/043639)
[30] PL (P.422716) 2017-08-31

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[13] A1
[51] **Int.Cl. H04R 1/28 (2006.01) H04R 1/20 (2006.01) H04R 1/24 (2006.01) H04R 1/32 (2006.01) H04R 1/38 (2006.01)**
[25] EN
[54] **SMALL SUBWOOFER CEILING SPEAKER SYSTEM**
[54] **PETIT SYSTEME DE HAUT-PARLEUR DE CAISSON DE BASSE POUR PLAFOND**
[72] IVEY, JOHNATHAN, US
[71] MITEK COPR., INC., US
[85] 2020-01-29
[86] 2018-09-19 (PCT/US2018/051821)
[87] (WO2019/060462)
[30] US (15/710,654) 2017-09-20
[30] US (16/135,870) 2018-09-19

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[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01) A61M 11/04 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **RAPID REPLACE HYGIENIC COIL SYSTEM**
[54] **SYSTEME DE BOBINE HYGIENIQUE A REMPLACEMENT RAPIDE**
[72] WILSON, BEN, GB
[72] FRANCE, SIMON, GB
[72] ZEE, KUM WING, GB
[71] NEXTGEN360 LTD., GB
[85] 2020-01-31
[86] 2018-08-02 (PCT/EP2018/070994)
[87] (WO2019/025543)
[30] EP (17184550.6) 2017-08-02

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[13] A1
[51] **Int.Cl. F16K 3/02 (2006.01) F16K 31/50 (2006.01) F16K 31/524 (2006.01)**
[25] EN
[54] **ACTUATOR FOR SLIDE VALVES**
[54] **ACTIONNEUR POUR DISTRIBUTEURS A TIROIR**
[72] MEADOWS, JEREMY LYNN, US
[72] MCCORKLE, ERIC DEWAYNE, US
[71] TAPCOENPRO, LLC, US
[85] 2020-01-31
[86] 2018-06-14 (PCT/US2018/037608)
[87] (WO2019/067032)
[30] US (15/716,798) 2017-09-27

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[13] A1
[51] **Int.Cl. B25B 13/00 (2006.01) B23G 5/20 (2006.01) B25G 3/00 (2006.01)**
[25] EN
[54] **MULTI-FUNCTION SKATEBOARD TOOL**
[54] **OUTIL MULTIFONCTION DE PLANCHE A ROULETTES**
[72] KHAN, ALIM AHAMAD, US
[71] KHAN, ALIM AHAMAD, US
[85] 2020-01-31
[86] 2018-07-24 (PCT/US2018/043531)
[87] (WO2019/027740)
[30] US (62/538,886) 2017-07-31

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[13] A1
[51] **Int.Cl. C07D 237/04 (2006.01) A61K 31/50 (2006.01) A61K 31/501 (2006.01) A61P 35/00 (2006.01) C07D 401/10 (2006.01) C07D 403/10 (2006.01) C07D 405/10 (2006.01) C07D 413/10 (2006.01)**
[25] EN
[54] **6-PHENYL-4,5-DIHYDROPYRIDAZIN-3(2H)-ONE DERIVATIVES AS PDE3A AND PDE3B INHIBITORS FOR TREATING CANCER**
[54] **DERIVES DE 6-PHENYL-4,5-DIHYDROPYRIDAZIN-3(2H)-ONE UTILISES EN TANT QU'INHIBITEURS DE PDE3A ET PDE3B POUR LE TRAITEMENT DU CANCER**
[72] ELLERMANN, MANUEL, DE
[72] GRADL, STEFAN NIKOLAUS, DE
[72] KOPITZ, CHARLOTTE CHRISTINE, DE
[72] LANGE, MARTIN, DE
[72] TERSTEEGEN, ADRIAN, DE
[72] LIENAU, PHILIP, DE
[72] SULZLE, DETLEV, DE
[72] LEWIS, TIMOTHY, US
[72] GREULICH, HEIDI, US
[72] WU, XIAOYUN, US
[72] MEYERSON, MATTHEW, US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[71] THE BROAD INSTITUTE, INC., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-01-31
[86] 2018-08-02 (PCT/EP2018/071016)
[87] (WO2019/025554)
[30] US (62/541,631) 2017-08-04

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[13] A1
[51] **Int.Cl. H02M 7/68 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PROVIDING AN ELECTRICAL CURRENT TO AN ELECTRICAL LOAD**
[54] **DISPOSITIF ET PROCEDE POUR FOURNIR UN COURANT ELECTRIQUE A UNE CHARGE ELECTRIQUE**
[72] WEE, KAI FOOK FRANCIS, SG
[72] STONA, ANDREA, SG
[72] TAN, HAI BOON, SG
[71] OPULENT ELECTRONICS INTERNATIONAL PTE LTD., SG
[85] 2020-01-31
[86] 2018-08-10 (PCT/SG2018/050406)
[87] (WO2019/032053)
[30] SG (10201706597Y) 2017-08-11

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[51] **Int.Cl. E21B 33/12 (2006.01) C08L 67/04 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL MEMBER AND MANUFACTURING METHOD THEREOF**
[54] **ELEMENT D'OUTIL DE FOND DE TROU ET SON PROCEDE DE FABRICATION**
[72] KOBAYASHI, TAKUMA, JP
[72] KOBAYASHI, FUMINORI, JP
[72] SAIJO, HIKARU, JP
[72] SAITO, MIZUKI, JP
[72] YOSHIDA, HIROAKI, JP
[71] KUREHA CORPORATION, JP
[85] 2020-01-31
[86] 2018-07-23 (PCT/JP2018/027527)
[87] (WO2019/058743)
[30] JP (2017-182937) 2017-09-22
[30] JP (2018-042372) 2018-03-08

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[25] EN
[54] **TRANSMEMBRANE PH-GRADIENT POLYMERSOMES FOR THE QUANTIFICATION OF AMMONIA IN BODY FLUIDS**
[54] **POLYMERSOMES A GRADIENT DE PH TRANSMEMBRANAIRES POUR LA QUANTIFICATION D'AMMONIAC DANS DES LIQUIDES CORPORELS**
[72] LEROUX, JEAN-CHRISTOPHE, CH
[72] MATOORI, SIMON, CH
[72] WUERTHINGER, OLHA VOZNYUK, CH
[71] ETH ZURICH, CH
[85] 2020-01-31
[86] 2018-09-10 (PCT/IB2018/056887)
[87] (WO2019/053578)
[30] US (62/557,256) 2017-09-12

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[72] TAKAGI, JUNICHI, JP
[71] THE UNIVERSITY OF TOKYO, JP
[71] OSAKA UNIVERSITY, JP
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[72] ELLERMANN, MANUEL, DE
[72] GRADL, STEFAN NIKOLAUS, DE
[72] KOPITZ, CHARLOTTE CHRISTINE, DE
[72] LANGE, MARTIN, DE
[72] TERSTEEGEN, ADRIAN, DE
[72] LIENAU, PHILIP, DE
[72] HEGELE-HARTUNG, CHRISTA, DE
[72] SULZLE, DETLEV, DE
[72] LEWIS, TIMOTHY A., US
[72] GREULICH, HEIDI, US
[72] WU, XIAOYUN, US
[72] MEYERSON, MATTHEW, US
[72] BURGIN, ALEX, US
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[71] THE BROAD INSTITUTE, INC., US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
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[54] **FONCTIONS DE RESEAU VIRTUALISEES PAR AGREGATION D'ESPACE ADRESSABLE**
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[72] ATTARWALA, MURTUZA, US
[71] CISCO TECHNOLOGY, INC., US
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[54] **ENHANCED NEEDLE**
[54] **AIGUILLE AMELIOREE**
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[54] **SYSTEMES ET PROCEDES D'ALIGNEMENT DE DONNEES DE RESEAU REDONDANT**
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[72] SZWARC, WESLEY ALAN, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
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[54] **METHODES DE TRAITEMENT DES ALTERATIONS DU COMPORTEMENT**
[72] MAES, TAMARA, ES
[72] ROTLLANT POZO, DAVID, ES
[72] GRINAN FERRE, CHRISTIAN, ES
[72] PALLAS LLIBERIA, MERCE, ES
[72] NADAL ALEMANY, ROSER, ES
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[54] **COMPOSITION DE GRAISSE OU D'HUILE CONTENANT UN ACIDE GRAS INSATURE**
[72] MORIKAWA, MIWAKO, JP
[72] KATO, MASAHARU, JP
[71] FUJI OIL HOLDINGS INC., JP
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[54] **UNITE DE FIXATION INVISIBLE ET PROCEDE D'UTILISATION ASSOCIE**
[72] VANDENBERG, ROGER A., US
[72] HUTCHINGS, DOUGLAS F., US
[71] NATIONAL NAIL CORP., US
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[54] **SYSTEME ET PROCEDE DE DETECTION DE MATERIEL MALVEILLANT**
[72] KAMIR, EYAL, IL
[72] FOK, ALEXANDER, IL
[72] TUCHMAN, YANIV, IL
[72] BITTON, AVI, IL
[72] FRIEDMAN, URIEL, IL
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[54] **SYSTEME D'EXERCICE ROTATIF**
[72] LENNOX, JAMES J., US
[72] VOROZILCHAK, DAVID, US
[72] HUNT, PHILIP MATTHEW, US
[71] MAXX BENCH, US
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[54] **NEBULISEUR MEDICAL POUR ADMINISTRATION RAPIDE DE MEDICAMENT**
[72] DWYER, DANIEL P., US
[72] GRAHAM, ERIN, US
[71] TELEFLEX MEDICAL INCORPORATED, US
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[54] **GELS D'ALGINATE DE CALCIUM A DECLENCHEMENT RETARDE ET METHODE DE PRODUCTION**
[72] SPEAKER, TYCHO JOSEPH, US
[72] BRAWN, PRESTON, US
[71] PLATFORM BIOPOLYMER TECHNOLOGIES, LLC, US
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[54] **TENSIOACTIFS HYDROCARBONES A DOUBLE QUEUE POUR COMPOSITIONS DE MOUSSE**
[72] CLARK, TIMOTHY, US
[72] CLARK, KIRTLAND, US
[72] KARYDAS, ATHANASIOS, US
[71] PERIMETER SOLUTIONS LP, US
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[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR L'ISOTACHOPHORESE**
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[72] HIDDESSEN, AMY L., US
[72] HOVERTER, NATHAN P., US
[72] ROSE, KLINT A., US
[72] SANTIAGO, JUAN G., US
[72] MUNSON, MATTHEW S., US
[72] MOK, JANINE, US
[72] ARIN, SEAN, US
[72] QU, YATIAN, US
[72] LEE, ANDREW, US
[72] DERENZI, MICHAEL CHRISTOPHER, US
[71] PURIGEN BIOSYSTEMS, INC., US
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[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF AMYLOID DEPOSITION DISEASES**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DES MALADIES A DEPOTS AMYLOIDES**
[72] LENTZSCH, SUZANNE, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
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[54] **AIGUILLE A DEMEURE MUNIE D'UNE VALVE HEMOSTATIQUE, ET ENSEMBLE AIGUILLE A DEMEURE**
[72] NAKAGAMI, HIROYUKI, JP
[72] SAKAMOTO, SHINGO, JP
[71] NIPRO CORPORATION, JP
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[54] **MODELE DETAILLE DE FORME D'□IL POUR APPLICATIONS BIOMETRIQUES ROBUSTES**
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[72] AMAYEH, GHOLAMREZA, US
[71] MAGIC LEAP, INC., US
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[54] **SOCLE POUR EMBALLAGE D'ENSEMBLE CAPTEUR ET RETRAIT DE DISPOSITIF D'INTRODUCTION DE CAPTEUR**
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[72] URRUTIA-GAMEZ, ALEJANDRO J., US
[71] MEDTRONIC MINIMED, INC., US
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[54] **DISTRIBUTION DYNAMIQUE DE CLE DE CHIFFREMENT DE CANAL NON ASSOCIEE**
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[72] TURABI, MOSADDAQ HUSSAIN, US
[72] OLOFSSON, LARS OLAF STEFAN, AE
[72] KHAN, ATIF, US
[72] KARIYANAHALLI, PRAVEEN RAJU, US
[71] CISCO TECHNOLOGY, INC., US
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[54] **BIOMARKERS ASSOCIATED WITH PARKINSON'S DISEASE**
[54] **BIOMARQUEURS ASSOCIES A LA MALADIE DE PARKINSON**
[72] LAWYER, MATTHEW CARL, US
[72] LAWYER, CARL HENRY, US
[71] COVE BIO LLC, US
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[54] **COMPOSE HETEROCYCLIQUE**
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[72] SUGIYAMA, HIDEYUKI, JP
[72] KUBO, OSAMU, JP
[72] KIKUCHI, FUMIAKI, JP
[72] YASUI, TAKESHI, JP
[72] KAKEGAWA, KEIKO, JP
[72] IKEDA, ZENICHI, JP
[72] MIYAZAKI, TOHRU, JP
[72] ARIKAWA, YASUYOSHI, JP
[72] OKAWA, TOMOHIRO, JP
[72] YONEMORI, JINICHI, JP
[72] TOITA, AKINORI, JP
[72] KOJIMA, TAKUTO, JP
[72] ASANO, YASUTOMI, JP
[72] SATO, AYUMU, JP
[72] MAEZAKI, HIRONOBU, JP
[72] SASAKI, SHINOBU, JP
[72] KOKUBO, HIRONORI, JP
[72] HOMMA, MISAKI, JP
[72] SASAKI, MINORU, JP
[72] IMAEDA, YASUHIRO, JP
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[54] **SYSTEM AND METHOD FOR TRIGGERING AN ALARM DURING A SENSOR JAMMING ATTACK**
[54] **SYSTEME ET PROCEDE DE DECLENCHEMENT D'UNE ALARME LORS D'UNE ATTAQUE DE BROUILLAGE DE CAPTEUR**
[72] TRUNDLE, STEPHEN SCOTT, US
[72] REEDER, ALEXANDER LAWRENCE, US
[72] ALPERT, CHARLES RICHARD, US
[72] WEINGART, NOAH ROBERT, US
[71] ALARM.COM INCORPORATED, US
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[54] **DIAGNOSTIC ET TRAITEMENT DE L'ENDOMETRIOSE PAR CRIBLAGE DE BACTERIES DE FORME L**
[72] HUNT, JOHN BRENT, US
[71] SOFT CELL BIOLOGICAL RESEARCH, LLC, US
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[54] **APPAREIL D'ECLAIRAGE A ECLAIRAGE PERIPHERIQUE A CAPACITES DESTINEES A UN SERVICE SECONDAIRE**
[72] CAIRNS, DUSTIN, US
[72] PHILIPS, PAUL, US
[72] ZHENG, JIMMY, US
[72] UHLER, GEORGE J., US
[72] COSBY, MELVIN, US
[71] TECHNICAL CONSUMER PRODUCTS, INC., US
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[54] **GELS A CHANGEMENT DE COULEUR ET LEUR PROCEDE DE PRODUCTION**
[72] SPEAKER, TYCHO JOSEPH, US
[72] BRAWN, W. PRESTON, US
[71] PLATFORM BIOPOLYMER TECHNOLOGIES, LLC, US
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[54] **IRRADIATION PAR ISOTOPES DE CANAL DE COMBUSTIBLE A PLEINE PUISSANCE DE FONCTIONNEMENT**
[72] FISHER, BENJAMIN D., US
[72] ONDERWATER, THOMAS G., CA
[71] BWXT ISOTOPE TECHNOLOGY GROUP, INC., US
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[25] EN
[54] **HIGH QUALITY SPHERICAL POWDERS FOR ADDITIVE MANUFACTURING PROCESSES ALONG WITH METHODS OF THEIR FORMATION**
[54] **POUDRES SPHERIQUES DE HAUTE QUALITE POUR PROCEDES DE FABRICATION ADDITIVE AINSI QUE LEURS PROCEDES DE FORMATION**
[72] KELKAR, RAJENDRA MADHUKAR, US
[71] GENERAL ELECTRIC COMPANY, US
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[54] **OPTIMIZED PEPTIDES FOR TARGETING HUMAN NERVES AND THEIR USE IN IMAGE GUIDED SURGERY, DIAGNOSTICS AND THERAPEUTIC DELIVERY**
[54] **PEPTIDES OPTIMISES POUR LE CIBLAGE DE NERFS HUMAINS ET LEUR UTILISATION EN CHIRURGIE GUIDEE PAR L'IMAGE, LES DIAGNOSTICS ET L'ADMINISTRATION D'AGENTS THERAPEUTIQUES**
[72] NGUYEN, QUYEN T., US
[72] WHITNEY, MICHAEL A., US
[72] HINGORANI, DINA, US
[72] TSIEN, ROGER Y., US
[72] ADAMS, STEPHEN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[30] US (62/540,510) 2017-08-02
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[51] **Int.Cl. A61K 35/66 (2015.01) A61K 38/14 (2006.01) A61P 31/04 (2006.01) C07K 7/06 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **LINEAR LIPOPEPTIDE PAENIPEPTINS AND METHODS OF USING THE SAME**
[54] **PAENIPEPTINES A LIPOPEPTIDE LINEAIRE ET PROCEDES D'UTILISATION**
[72] HUANG, EN, US
[72] MOON, SUN, HEE, US
[72] SMELTZER, MARK, US
[72] MEEKER, DANIEL, US
[71] BIOVENTURES, LLC, US
[85] 2020-01-31
[86] 2018-08-06 (PCT/US2018/045395)
[87] (WO2019/028463)
[30] US (62/541,200) 2017-08-04

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[13] A1
[51] **Int.Cl. H04L 12/701 (2013.01) H04L 12/721 (2013.01) H04L 12/725 (2013.01) H04L 12/24 (2006.01) H04L 12/46 (2006.01)**
[25] EN
[54] **PATH SELECTION FOR AN APPLICATION BASED ON A PERFORMANCE SCORE IN A SOFTWARE-DEFINED NETWORK**
[54] **SELECTION DE TRAJET POUR UNE APPLICATION BASEE SUR UN SCORE DE PERFORMANCE DANS UN RESEAU DEFINI PAR LOGICIEL**
[72] BAJAJ, SANDEEP, US
[71] CISCO TECHNOLOGY, INC., US
[85] 2020-01-31
[86] 2018-07-27 (PCT/US2018/044120)
[87] (WO2019/027833)
[30] US (15/665,296) 2017-07-31

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[13] A1
[51] **Int.Cl. C02F 11/04 (2006.01) C12N 9/14 (2006.01) C02F 3/34 (2006.01) C02F 11/14 (2019.01)**
[25] EN
[54] **A PROCESS FOR TREATING WASTEWATER**
[54] **PROCEDE DE TRAITEMENT D'EAUX USEES COMPRENANT LE TRAITEMENT DE BOUES AVEC DES ENZYMES HYDROLYTIQUES**
[72] FLANNERY, CHRISTOPHER, US
[71] NOVOZYMES A/S, DK
[85] 2020-01-31
[86] 2018-08-06 (PCT/US2018/045437)
[87] (WO2019/032477)
[30] US (62/541,926) 2017-08-07

[21] **3,071,840**
[13] A1
[51] **Int.Cl. B65D 33/25 (2006.01)**
[25] EN
[54] **CHILD-RESISTANT RECLOSABLE BAGS**
[54] **SACS REFERMABLES A L'EPREUVE DES ENFANTS**
[72] SEPTIEN ROJAS, JOSE MANUEL, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-01-31
[86] 2018-08-02 (PCT/US2018/044941)
[87] (WO2019/028216)
[30] US (62/540,914) 2017-08-03
[30] US (62/548,057) 2017-08-21

[21] **3,071,841**
[13] A1
[51] **Int.Cl. A63H 13/16 (2006.01) A63H 13/00 (2006.01)**
[25] EN
[54] **COMBINATION ARTICLES OF ENTERTAINMENT COMPRISING COMPLEMENTARY ACTION FIGURE AND RECONFIGURABLE CASE THEREFOR**
[54] **ARTICLES DE COMBINAISON DE DIVERTISSEMENT COMPRENANT UNE FIGURINE D'ACTION COMPLEMENTAIRE ET UN BOITIER RECONFIGURABLE ASSOCIE**
[72] MATOS, EDUARDO, US
[71] COMBAT SENSEL, LLC D/B/A SUPERHEROLOGY, US
[85] 2020-01-31
[86] 2018-08-06 (PCT/US2018/045413)
[87] (WO2019/028467)
[30] US (62/541,361) 2017-08-04

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[13] A1
[51] **Int.Cl. A61N 5/06 (2006.01) A61F 9/007 (2006.01) A61F 9/008 (2006.01) A61N 5/067 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DIRECTING LIGHT INTO A PATIENT'S EYE**
[54] **SYSTEME ET PROCEDE POUR DIRIGER LA LUMIERE DANS L'□IL D'UN PATIENT**
[72] JOHNSON, DOUGLAS, US
[72] KANARSKY, MAX, US
[72] FINN, LARRY W., US
[72] CAMPBELL, IAN DWAYNE, US
[72] LENK, JEFFREY A., US
[72] BARRETT, MICHAEL T., US
[72] LENK, SCOTT R., US
[71] MULTI RADIANCE MEDICAL, US
[85] 2020-01-31
[86] 2018-08-02 (PCT/US2018/044954)
[87] (WO2019/028222)
[30] US (62/540,204) 2017-08-02

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[13] A1
[51] **Int.Cl. A61F 9/007 (2006.01) A61B 3/16 (2006.01)**
[25] EN
[54] **MULTI-COIL WIRELESS POWER TRANSFER ASSEMBLY FOR WIRELESS GLAUCOMA THERAPY**
[54] **ENSEMBLE DE TRANSFERT D'ENERGIE SANS FIL A PLUSIEURS BOBINES POUR UNE THERAPIE DE GLAUCOME SANS FIL**
[72] IRAZOQUI, PEDRO P., US
[72] SIMON, GABRIEL, US
[72] ALBORS, GABRIEL, US
[72] WILLIAMS, JACK, US
[72] YUAN, QUAN, US
[72] WANG, ZHI, US
[72] SLAUBAUGH, CURTIS, US
[71] PURDUE RESEARCH FOUNDATION, US
[85] 2020-01-31
[86] 2018-08-06 (PCT/US2018/045430)
[87] (WO2019/028474)
[30] US (62/541,218) 2017-08-04

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01)**
[25] EN
[54] **GRID ASSET MANAGER**
[54] **GESTIONNAIRE D'ACTIFS DANS UN RESEAU ELECTRIQUE**
[72] MARTINEZ, JORGE ELIZONDO, US
[72] CHAN, ALBERT TAK CHUN, US
[72] DAHDAH, JOSE JAMIL DUNIA, US
[72] MOROCZ BAZZANI, FRANCISCO A., US
[71] HEILA TECHNOLOGIES, INC., US
[85] 2020-01-31
[86] 2018-08-03 (PCT/US2018/045176)
[87] (WO2019/028358)
[30] US (62/540,974) 2017-08-03

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[13] A1
[51] **Int.Cl. E21B 17/046 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **COMBINED MULTI-COUPLER WITH ROTATING LOCKING METHOD FOR TOP DRIVE**
[54] **MULTICOUPLEUR COMBINE AVEC PROCEDE DE VERROUILLAGE ROTATIF POUR ENTRAINEMENT PAR LE HAUT**
[72] MUELLER, CHRISTIAN, DE
[72] CLASEN, DITMAR, DE
[72] GEISSLER, DAVID, DE
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-01-31
[86] 2018-08-31 (PCT/US2018/049021)
[87] (WO2019/067161)
[30] US (15/721,216) 2017-09-29

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[13] A1
[51] **Int.Cl. G06Q 50/06 (2012.01) G01D 4/02 (2006.01) G01R 22/06 (2006.01) G08C 19/00 (2006.01)**
[25] EN
[54] **ENERGY MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE D'ENERGIE**
[72] SAROYA, ARJUN, US
[72] WOOLLEY, STUART JAMES, IE
[72] RELIHAN, LIAM, IE
[71] LIME ENERGY CO., US
[85] 2020-01-31
[86] 2018-08-02 (PCT/US2018/044966)
[87] (WO2019/028229)
[30] US (62/541,220) 2017-08-04
[30] US (16/052,315) 2018-08-01

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[13] A1
[51] **Int.Cl. A61F 2/10 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **HAIR IMPLANTS COMPRISING ENHANCED ANCHORING AND MEDICAL SAFETY FEATURES**
[54] **IMPLANTS CAPILLAIRES PRESENTANT DES CARACTERISTIQUES D'ANCRAGE ET DE SECURITE MEDICALE AMELIOREES**
[72] LORIA, VICTOR, US
[71] LORIA PRODUCTS LLC, US
[85] 2020-01-31
[86] 2018-07-30 (PCT/US2018/044298)
[87] (WO2019/027864)
[30] US (15/665,369) 2017-07-31
[30] US (15/718,637) 2017-09-28

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[51] **Int.Cl. A01K 1/03 (2006.01) A01K 11/00 (2006.01) A01K 29/00 (2006.01) G06K 9/46 (2006.01) G06K 9/66 (2006.01)**
[25] EN
[54] **LONG-TERM AND CONTINUOUS ANIMAL BEHAVIORAL MONITORING**
[54] **SURVEILLANCE COMPORTEMENTALE ANIMALE A LONG TERME ET CONTINUE**
[72] KUMAR, VIVEK, US
[72] GEUTHER, BRIAN Q., US
[72] PETERSON, JIM, US
[72] CHURCHILL, GARY, US
[71] THE JACKSON LABORATORY, US
[85] 2020-01-31
[86] 2018-08-07 (PCT/US2018/045676)
[87] (WO2019/032622)
[30] US (62/542,180) 2017-08-07
[30] US (62/661,610) 2018-04-23

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[13] A1
[51] **Int.Cl. A61K 47/68 (2017.01) C07K 14/605 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **METHOD OF CONJUGATION OF CYS-MABS**
[54] **PROCEDE DE CONJUGAISON DE CYS-MABS**
[72] ACHMATOWICZ, MICHAL, US
[72] ROMANINI, DANTE, US
[72] FALSEY, JAMES R., US
[72] HERBERICH, BRADLEY J., US
[72] THIEL, OLIVER R., US
[71] AMGEN INC., US
[85] 2020-01-31
[86] 2018-08-03 (PCT/US2018/045212)
[87] (WO2019/028382)
[30] US (62/541,522) 2017-08-04

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[13] A1
[51] **Int.Cl. C09D 5/02 (2006.01) C09D 7/80 (2018.01) C09D 175/14 (2006.01) C09D 201/02 (2006.01)**
[25] EN
[54] **A PHOTOINITIATING COMPOSITION SUITABLE FOR UV-LED LIGHT IRRADIATION AND AN AQUEOUS COATING COMPOSITION PREPARED THEREFROM**
[54] **COMPOSITION DE PHOTO-INITIATION APPROPRIEE POUR UNE IRRADIATION DE LUMIERE PAR DEL UV ET COMPOSITION DE REVETEMENT AQUEUSE PREPAREE A PARTIR DE CELLE-CI**
[72] XIE, HAN, CN
[72] DUAN, GANG, US
[72] ZHAO, XI, CN
[72] FAN, SHIGANG, CN
[72] CHEN, HONGBIN, CN
[71] GUANGDONG HUARUN PAINTS CO., LTD., CN
[85] 2020-01-31
[86] 2018-07-30 (PCT/US2018/044313)
[87] (WO2019/027872)
[30] CN (201710645098.X) 2017-07-31

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[13] A1
[51] **Int.Cl. A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61K 39/395 (2006.01) A61K 45/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER WITH FARNESYLTRANSFERASE INHIBITORS**
[54] **METHODES DE TRAITEMENT DU CANCER AVEC DES INHIBITEURS DE LA FARNESYLTRANSFERASE**
[72] GUALBERTO, ANTONIO, US
[71] KURA ONCOLOGY, INC., US
[85] 2020-01-31
[86] 2018-08-07 (PCT/US2018/045478)
[87] (WO2019/032489)
[30] US (62/542,202) 2017-08-07
[30] US (62/596,339) 2017-12-08
[30] US (62/630,686) 2018-02-14
[30] US (62/646,292) 2018-03-21

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[13] A1
[51] **Int.Cl. C12N 15/10 (2006.01) C12Q 1/68 (2018.01) G01N 33/53 (2006.01)**
[25] EN
[54] **TARGET-ASSOCIATED MOLECULES FOR CHARACTERIZATION ASSOCIATED WITH BIOLOGICAL TARGETS**
[54] **MOLECULES ASSOCIEES A UNE CIBLE POUR UNE CARACTERISATION ASSOCIEE A DES CIBLES BIOLOGIQUES**
[72] TSAO, DAVID, US
[72] ATAY, OGUZHAN, US
[71] BILLIONTOONE, INC., US
[85] 2020-01-31
[86] 2018-08-06 (PCT/US2018/045394)
[87] (WO2019/028462)
[30] US (62/541,555) 2017-08-04

[21] **3,071,856**
[13] A1
[51] **Int.Cl. C08K 5/00 (2006.01) C08K 3/32 (2006.01) C08K 5/053 (2006.01) C08K 5/3465 (2006.01) C08K 9/12 (2006.01)**
[25] EN
[54] **PHOSPHATE IONIC LIQUID-POLYOXOMETALATE-INORGANIC ADDITIVE FOR LOW SMOKING ZERO HALOGEN FLAME RETARDANT COMPOUNDS**
[54] **ADDITIF INORGANIQUE FORME DE LIQUIDE IONIQUE A BASE DE PHOSPHATE ET DE POLYOXOMETALLATE POUR COMPOSES IGNIFUGES SANS HALOGENE ET A FAIBLE DEGAGEMENT DE FUMEE**
[72] JIANG, DAYUE, US
[72] VASILAKOS, KEVIN ANDREW, US
[71] CORNING INCORPORATED, US
[85] 2020-01-31
[86] 2018-07-30 (PCT/US2018/044335)
[87] (WO2019/027880)
[30] US (62/540,091) 2017-08-02

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[13] A1
[51] **Int.Cl. B28B 1/00 (2006.01) B29C 64/106 (2017.01) B01F 7/00 (2006.01) B01F 15/00 (2006.01) B28B 3/20 (2006.01) E04G 21/04 (2006.01)**
[25] EN
[54] **DEVICE FOR APPLYING A BUILDING MATERIAL**
[54] **SYSTEME POUR L'APPLICATION D'UN MATERIAU DE CONSTRUCTION**
[72] KUHN, PATRIK, CH
[72] BOURQUIN, RAPHAEL, CH
[72] BRUHWILER, ARMIN, CH
[72] LOOTENS, DIDIER, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2020-02-03
[86] 2018-08-09 (PCT/EP2018/071639)
[87] (WO2019/030330)
[30] EP (17185650.3) 2017-08-09

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[13] A1
[51] **Int.Cl. C08B 37/16 (2006.01) C08K 5/00 (2006.01) C08L 5/16 (2006.01)**
[25] EN
[54] **CYCLODEXTRIN-POLYOXOMETALATE IONIC LIQUID INCLUSION COMPLEX FLAME RETARDANT ADDITIVE FOR MAKING A LOW SMOKE ZERO HALOGEN COMPOUND**
[54] **ADDITIF IGNIFUGE FORME D'UN COMPLEXE D'INCLUSION DE LIQUIDE IONIQUE A BASE DE POLYOXOMETALLATE-CYCLODEXTRINE POUR LA FABRICATION D'UN COMPOSE SANS HALOGENE A FAIBLE DEGAGEMENT DE FUMEE**
[72] JIANG, DAYUE, US
[72] VASILAKOS, KEVIN ANDREW, US
[71] CORNING INCORPORATED, US
[85] 2020-01-31
[86] 2018-07-30 (PCT/US2018/044339)
[87] (WO2019/027882)
[30] US (62/539,765) 2017-08-01

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[13] A1
[51] **Int.Cl. A61M 25/09 (2006.01)**
[25] EN
[54] **VARIABLE STIFFNESS GUIDE WIRE**
[54] **FIL-GUIDE A RIGIDITE VARIABLE**
[72] WIEHN, MICHAEL T., US
[72] SECTOR, MARTIN J., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-01-30
[86] 2018-09-14 (PCT/US2018/051049)
[87] (WO2019/055765)
[30] US (62/558,402) 2017-09-14

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01)**
[25] EN
[54] **ANTI-CD47 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD47 ET LEURS UTILISATIONS**
[72] WANG, MINGHAN, US
[72] ZOU, HUI, US
[72] OAKS, JOSHUA, US
[72] JIA, HAIQUN, US
[71] PHANES THERAPEUTICS, INC., US
[85] 2020-01-31
[86] 2018-07-30 (PCT/US2018/044384)
[87] (WO2019/027903)
[30] US (62/540,118) 2017-08-02
[30] US (62/657,094) 2018-04-13

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[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **BICYCLIC INHIBITORS OF HISTONE DEACETYLASE**
[54] **INHIBITEURS BICYCLIQUES D'HISTONE DESACETYLASE**
[72] FULLER, NATHAN OLIVER, US
[72] LOWE, JOHN A. III, US
[71] RODIN THERAPEUTICS, INC., US
[85] 2020-01-31
[86] 2018-08-07 (PCT/US2018/045528)
[87] (WO2019/032528)
[30] US (62/541,807) 2017-08-07

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[13] A1
[51] **Int.Cl. C07K 14/325 (2006.01) A01N 63/00 (2020.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PESTICIDAL GENES AND METHODS OF USE**
[54] **GENES PESTICIDES ET LEURS PROCEDES D'UTILISATION**
[72] PARKS, JESSICA, US
[72] ROBERTS, KIRA BULAZEL, US
[72] THAYER, REBECCA E., US
[71] AGBIOME, INC., US
[85] 2020-01-31
[86] 2018-08-02 (PCT/US2018/044975)
[87] (WO2019/028235)
[30] US (62/540,753) 2017-08-03
[30] US (62/672,193) 2018-05-16

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[13] A1
[51] **Int.Cl. C25C 3/34 (2006.01) C25C 7/02 (2006.01) C25C 7/04 (2006.01)**
[25] EN
[54] **ELECTROLYTIC PRODUCTION OF REACTIVE METALS**
[54] **PRODUCTION ELECTROLYTIQUE DE METAUX REACTIFS**
[72] HYERS, ROBERT W., US
[72] YURKO, JAMES A., US
[72] SADOWAY, DONALD R., US
[71] BOSTON ELECTROMETALLURGICAL CORPORATION, US
[85] 2020-01-31
[86] 2018-07-31 (PCT/US2018/044542)
[87] (WO2019/027978)
[30] US (62/539,666) 2017-08-01

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[13] A1
[51] **Int.Cl. B28C 5/12 (2006.01) B29C 64/106 (2017.01) B28B 1/00 (2006.01) C04B 28/04 (2006.01) C04B 28/06 (2006.01)**
[25] EN
[54] **METHOD FOR THE 3D-PRINTING OF MINERAL BINDER COMPOSITIONS**
[54] **PROCEDE POUR L'IMPRESSION 3D DE COMPOSITIONS DE LIANTS MINERAUX**
[72] LIARD, MAXIME, CH
[72] LOOTENS, DIDIER, CH
[72] SCHUMACHER, MARC, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2020-02-03
[86] 2018-08-08 (PCT/EP2018/071451)
[87] (WO2019/030255)
[30] EP (17185654.5) 2017-08-09

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[13] A1
[51] **Int.Cl. F42B 3/182 (2006.01)**
[25] EN
[54] **MODULAR INITIATOR**
[54] **INITIATEUR MODULAIRE**
[72] SOKOLOVE, CHRISTOPHER BRIAN, US
[72] HAN, CHENGHUA, US
[72] PUNDOLE, FARAIDOON, US
[72] MAI, JASON HOANG, US
[71] HUNTING TITAN, INC., US
[85] 2020-01-31
[86] 2018-08-07 (PCT/US2018/045635)
[87] (WO2019/032600)
[30] US (62/542,152) 2017-08-07
[30] US (62/630,048) 2018-02-13

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[13] A1
[51] **Int.Cl. B60N 3/08 (2006.01) B65F 1/02 (2006.01) B65F 1/04 (2006.01) B65F 1/06 (2006.01) B65F 1/08 (2006.01) B65F 1/12 (2006.01) B65F 1/14 (2006.01)**
[25] EN
[54] **ADJUSTABLE AUTOMOBILE TRASH CAN**
[54] **POUBELLE REGLABLE D'AUTOMOBILE**
[72] CRESSY, EDDIE LAWRENCE, US
[71] CRESSY, EDDIE LAWRENCE, US
[85] 2020-01-31
[86] 2018-07-31 (PCT/US2018/044718)
[87] (WO2019/118006)
[30] US (15/665,419) 2017-07-31

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[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61F 2/08 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **HYBRID SUTURE ANCHOR**
[54] **ANCRAGE DE SUTURE HYBRIDE**
[72] BOSWORTH, ADRIAN, US
[72] ISSHIKI, RYO, US
[71] CONMED CORPORATION, US
[85] 2020-01-31
[86] 2018-08-09 (PCT/US2018/045957)
[87] (WO2019/032797)
[30] US (62/543,516) 2017-08-10

[21] **3,071,868**
[13] A1
[51] **Int.Cl. C22C 38/02 (2006.01) C22C 38/04 (2006.01)**
[25] EN
[54] **USE OF A Q&P STEEL FOR PRODUCING A SHAPED COMPONENT FOR HIGH-WEAR APPLICATIONS**
[54] **UTILISATION D'UN ACIER TREMPE ET REVENU (Q&P) POUR LA FABRICATION D'UN ELEMENT MIS EN FORME POUR DES APPLICATIONS D'USURE**
[72] KOLBE, NINA, DE
[72] KUHN, PATRICK, DE
[72] LATUSKE, CLEMENS, DE
[72] THIESSEN, RICHARD GEORG, NL
[71] THYSSENKRUPP STEEL EUROPE AG, DE
[85] 2020-02-03
[86] 2017-08-22 (PCT/EP2017/071147)
[87] (WO2019/037838)

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR LIGAND DIRECTED ANTIBODY DESIGN**
[54] **PROCEDES ET COMPOSITIONS DE CONCEPTION D'ANTICORPS DIRIGEE PAR LIGAND**
[72] WEINER, MICHAEL, GB
[72] KISS, MARGARET, GB
[72] ZHAO, QI, GB
[71] ABCAM PLC, GB
[85] 2020-02-03
[86] 2018-08-03 (PCT/IB2018/001000)
[87] (WO2019/025865)
[30] US (62/541,533) 2017-08-04

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **SEALING ELEMENT FOR PROSTHETIC HEART VALVE**
[54] **ELEMENT D'ETANCHEITE POUR VALVULE CARDIAQUE PROTHETIQUE**
[72] LEVI, TAMIR S., US
[72] PINHAS, GIOLNARA, US
[72] MAROM, LIRAZ, US
[72] SHERMAN, ELENA, US
[72] MIZRAHI, NOAM, US
[72] RUIZ, DELFIN RAFAEL, US
[72] PAWAR, SANDIP VASANT, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-01-31
[86] 2018-08-10 (PCT/US2018/046261)
[87] (WO2019/032992)
[30] US (62/544,704) 2017-08-11

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[13] A1
[51] **Int.Cl. A45D 34/04 (2006.01) A45D 40/26 (2006.01)**
[25] EN
[54] **COSMETIC APPLICATOR**
[54] **APPLICATEUR DE PRODUIT COSMETIQUE**
[72] SMIT, IRIS, AU
[71] THE QUICK FLICK PTY LTD, AU
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[54] **HANDLE FOR EXOTHERMIC MOLD WITH SPRING CONNECTORS**
[54] **POIGNEE POUR MOULE EXOTHERMIQUE AVEC CONNECTEURS A RESSORT**
[72] RULAND, RODD R., US
[72] STILWELL, CHARLES MITCHELL, US
[72] SCHROEDER, DAVID LEE, US
[71] HUBBELL INCORPORATED, US
[85] 2020-01-31
[86] 2018-08-13 (PCT/US2018/046534)
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[25] FR
[54] **FRICTION ASSEMBLY FOR A RAILWAY BRAKING SYSTEM**
[54] **ENSEMBLE A FRICTION POUR SYSTEME DE FREINAGE FERROVIAIRE**
[72] ROCCA-SERRA, CHRISTOPHE, FR
[71] TALLANO TECHNOLOGIE, FR
[85] 2020-02-03
[86] 2018-07-31 (PCT/FR2018/051969)
[87] (WO2019/025722)
[30] FR (17 57391) 2017-08-01

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[51] **Int.Cl. G06K 7/10 (2006.01) A47J 31/44 (2006.01) B65D 85/804 (2006.01) G06K 7/14 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **CONTAINER WITH A CODE ENCODING A SEQUENCE OF FOODSTUFF OR BEVERAGE PREPARATION OPERATIONS**
[54] **RECIPIENT AVEC UN CODE CODANT UNE SEQUENCE D'OPERATIONS DE PREPARATION DE PRODUITS ALIMENTAIRES OU DE BOISSONS**
[72] NOTH, ANDRE, CH
[72] JARISCH, CHRISTIAN, CH
[72] TALON, CHRISTIAN, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-02-03
[86] 2018-06-25 (PCT/EP2018/066934)
[87] (WO2019/029894)
[30] EP (17185291.6) 2017-08-08

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[51] **Int.Cl. A63B 21/02 (2006.01) A63B 69/00 (2006.01)**
[25] EN
[54] **RESISTANCE TRAINING HARNESS**
[54] **HARNAIS D'ENTRAINEMENT PAR RESISTANCE**
[72] DESROSIERS, MICHELLE, CA
[71] DESROSIERS, MICHELLE, CA
[85] 2020-02-03
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[51] **Int.Cl. G01S 19/09 (2010.01) H04W 64/00 (2009.01)**
[25] EN
[54] **WIRELESS DEVICE, NETWORK NODE AND METHODS THEREIN FOR REPORTING A MEASUREMENT**
[54] **DISPOSITIF SANS FIL, N□UD DE RESEAU ET PROCEDES ASSOCIES DE RAPPORT D'UNE MESURE**
[72] ZHANG, XIN, DE
[72] MODARRES RAZAVI, SARA, SE
[72] SHREEVASTAV, RITESH, SE
[72] RYDEN, HENRIK, SE
[72] GUNNARSSON, FREDRIK, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[25] EN
[54] **SYSTEM FOR DETERMINING FORCES AT THE FEET**
[54] **SYSTEME DE DETERMINATION DE FORCES AU NIVEAU DES PIEDS**
[72] PHILIMIS, PANAYIOTIS, CY
[71] CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD, CY
[85] 2020-02-03
[86] 2018-08-02 (PCT/EP2018/071073)
[87] (WO2019/025572)
[30] GB (1712482.7) 2017-08-03

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[51] **Int.Cl. C12P 13/04 (2006.01)**
[25] EN
[54] **TOLERANCE OF MICROBIAL CELLS AGAINST ORTHO-AMINOBENZOATE IN PRESENCE OF ALKALI IONS AT NEUTRAL PH**
[54] **TOLERANCE DE CELLULES MICROBIENNES CONTRE L'ORTHO-AMINOBENZOATE EN PRESENCE D'IONS ALCALINS A PH NEUTRE**
[72] JAGER, GERNOT, DE
[72] KLOECKNER, WOLF, DE
[72] BEHNKEN, SWANTJE, US
[72] KLAFFL, SIMON, DE
[72] SASSI, JAMALEDDINE, DE
[71] COVESTRO DEUTSCHLAND AG, DE
[85] 2020-02-03
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[51] **Int.Cl. G06Q 50/30 (2012.01)**
[25] EN
[54] **SENSOR-BASED AUTOMATED TRANSIT MAINTENANCE SYSTEM**
[54] **SYSTEME AUTOMATISE DE MAINTENANCE D'EQUIPEMENTS DE TRANSPORTS EN COMMUN BASE SUR DES CAPTEURS**
[72] BEHROOZNIA, RASHEED, US
[71] CUBIC CORPORATION, US
[85] 2020-01-31
[86] 2018-08-30 (PCT/US2018/048894)
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[30] US (62/552,268) 2017-08-30
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[51] **Int.Cl. G06Q 10/02 (2012.01) G06Q 20/04 (2012.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **PRE-PROCESSING OF TRANSIT TRANSACTIONS USING VIRTUAL ACCESS TO MACHINE FUNCTIONALITY**
[54] **PRETRAITEMENT DE TRANSACTIONS DE TRANSPORTS A L'AIDE D'UN ACCES VIRTUEL A UNE FONCTIONNALITE DE POINT DE VENTE**
[72] BEHROOZNIA, RASHEED, US
[72] HERNANDEZ, FERNANDO, US
[72] SEPTIEN, JORGE, US
[71] CUBIC CORPORATION, US
[85] 2020-01-31
[86] 2018-08-30 (PCT/US2018/048897)
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[30] US (62/552,234) 2017-08-30
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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/17 (2015.01) A61K 35/76 (2015.01) A61K 38/16 (2006.01) A61K 38/17 (2006.01)**
[25] EN
[54] **ANTIGEN-PRESENTING POLYPEPTIDES AND METHODS OF USE THEREOF**
[54] **POLYPEPTIDES DE PRESENTATION D'ANTIGENE ET LEURS PROCEDES D'UTILISATION**
[72] SEIDEL, RONALD D., III, US
[72] CHAPARRO, RODOLFO J., US
[72] ROSS, JOHN F., US
[71] CUE BIOPHARMA, INC., US
[85] 2020-01-31
[86] 2018-09-06 (PCT/US2018/049760)
[87] (WO2019/051094)
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[54] **FRICTION ASSEMBLY FOR A RAILWAY BRAKING SYSTEM**
[54] **ENSEMBLE A FRICTION POUR SYSTEME DE FREINAGE FERROVIAIRE**
[72] ROCCA-SERRA, CHRISTOPHE, FR
[71] TALLANO TECHNOLOGIE, FR
[85] 2020-02-03
[86] 2018-07-31 (PCT/FR2018/051971)
[87] (WO2019/025723)
[30] FR (17 57392) 2017-08-01

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[51] **Int.Cl. F03D 9/28 (2016.01) F03D 9/17 (2016.01)**
[25] EN
[54] **A SYSTEM FOR GENERATING ELECTRICITY**
[54] **SYSTEME DE GENERATION D'ELECTRICITE**
[72] HAJARE, BIRUDEV NARAYAN, IN
[72] BHOKSE, SANDIP ANKUSH, IN
[71] HAJARE, BIRUDEV NARAYAN, IN
[71] BHOKSE, SANDIP ANKUSH, IN
[71] SHAH, DEEPAK VINODKUMAR, IN
[85] 2020-02-03
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[51] **Int.Cl. A47L 13/16 (2006.01) A47L 13/20 (2006.01) B32B 5/02 (2006.01)**
[25] EN
[54] **CLEANING ARTICLE WITH DIFFERENTIAL PITCH TOW TUFTS**
[54] **ARTICLE DE NETTOYAGE A TOUFFES D'ETOUPE A PAS DIFFERENTIEL**
[72] POLICICCHIO, NICOLA JOHN, US
[72] HUSTON, LARRY L., US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-01-31
[86] 2018-09-11 (PCT/US2018/050370)
[87] (WO2019/051456)
[30] US (15/700,384) 2017-09-11

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[13] A1
[51] **Int.Cl. G01S 11/00 (2006.01)**
[25] EN
[54] **DETECTING MOTION BASED ON DECOMPOSITIONS OF CHANNEL RESPONSE VARIATIONS**
[54] **DETECTION D'UN MOUVEMENT BASEE SUR DES DECOMPOSITIONS DE VARIATIONS DE REPONSE DE CANAL**
[72] OMER, MOHAMMAD, CA
[72] OLEKAS, CHRISTOPHER VYTAUTAS, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2020-02-03
[86] 2017-10-31 (PCT/CA2017/051291)
[87] (WO2019/041019)
[30] US (15/691,195) 2017-08-30

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[51] **Int.Cl. A61B 5/145 (2006.01) A61B 5/1486 (2006.01)**
[25] EN
[54] **WAFERSCALE PHYSIOLOGICAL CHARACTERISTIC SENSOR PACKAGE WITH INTEGRATED WIRELESS TRANSMITTER**
[54] **PACK DE CAPTEUR DE CARACTERISTIQUE PHYSIOLOGIQUE A INTEGRATION A L'ECHELLE D'UNE TRANCHE AVEC EMETTEUR SANS FIL INTEGRE**
[72] HAHN, DANIEL, US
[72] PROBST, DAVID, US
[72] SCHULHAUSER, RANDAL, US
[72] ASKARINYA, MOHSEN, US
[72] KINZIE, PATRICK W., US
[72] MILTICH, THOMAS P., US
[72] BREYEN, MARK D., US
[72] VADDIRAJU, SANTHISAGAR, US
[71] MEDTRONIC MINIMED, INC., US
[85] 2020-01-31
[86] 2018-09-12 (PCT/US2018/050710)
[87] (WO2019/067218)
[30] US (15/716,424) 2017-09-26
[30] US (15/716,426) 2017-09-26

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[51] **Int.Cl. G08B 13/08 (2006.01) G08B 25/00 (2006.01)**
[25] FR
[54] **ALARM DEVICE DISTINGUISHING BETWEEN LAWFUL OCCUPIER AND INTRUDER**
[54] **DISPOSITIF D'ALARME A DISCRIMINATION ENTRE OCCUPANT LEGITIME ET INTRUS**
[72] FILHOL, DIDIER, FR
[72] MARTIN, ERIC, FR
[71] TELECOM DESIGN, FR
[85] 2020-02-03
[86] 2018-08-03 (PCT/FR2018/052013)
[87] (WO2019/025743)
[30] FR (1757533) 2017-08-04

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[13] A1
[51] **Int.Cl. F16L 55/26 (2006.01) F16L 55/162 (2006.01) F16L 55/18 (2006.01) F16L 55/32 (2006.01) G01N 21/954 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR REPAIRING PIPES**
[54] **DISPOSITIFS ET PROCEDES DE REPARATION DE TUYAUX**
[72] BADGER, CODY, US
[72] BRAUN, CLIFTON, US
[72] TANK, ADAM, US
[71] MUELLER INTERNATIONAL, LLC, US
[85] 2020-01-31
[86] 2018-09-14 (PCT/US2018/051057)
[87] (WO2019/067235)
[30] US (62/563,189) 2017-09-26
[30] US (16/112,191) 2018-08-24

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[51] **Int.Cl. G06Q 10/08 (2012.01) F42B 35/00 (2006.01) F42B 39/00 (2006.01) F42B 99/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR TRACKING AMMUNITION**
[54] **PROCEDES ET APPAREIL DE SUIVI DE MUNITIONS**
[72] KIRICK, ROBERT, US
[72] SHERER, PATRICK H., US
[72] WILLIAMS, JAMES GLENN, CA
[72] LEWIS, BRUCE, CA
[71] THE BULLET ID CORPORATION, CA
[85] 2020-02-03
[86] 2018-08-03 (PCT/CA2018/000148)
[87] (WO2019/023788)
[30] US (62/541,504) 2017-08-04

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[13] A1
[51] **Int.Cl. G06F 17/10 (2006.01) G06Q 10/04 (2012.01) G06N 3/04 (2006.01)**
[25] FR
[54] **COMPUTER SYSTEM FOR DISPLAYING THE LOGISTICAL PATH OF ENTITIES OVER TIME**
[54] **SYSTEME INFORMATIQUE POUR LA VISUALISATION DE PARCOURS LOGISTIQUE D'ENTITES DANS LE TEMPS**
[72] BERTRAND, FREDERIC, FR
[72] SIMON, FABIEN, FR
[72] ROSSET, FRANCOIS, FR
[71] YOUR DATA CONSULTING, FR
[85] 2020-02-03
[86] 2018-08-03 (PCT/FR2018/052014)
[87] (WO2019/025744)
[30] FR (17/57550) 2017-08-04
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[51] **Int.Cl. C12N 5/0797 (2010.01) A61K 35/30 (2015.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **GENERATION OF OLIGODENDROGENIC NEURAL PROGENITOR CELLS**
[54] **GENERATION DE CELLULES PROGENITRICES DE NEURONES OLIGODENDROGENIQUES**
[72] KHAZAEI, MOHAMAD, CA
[72] FEHLINGS, MICHAEL G., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2020-02-03
[86] 2018-07-30 (PCT/CA2018/050926)
[87] (WO2019/023793)
[30] US (62/541,477) 2017-08-04
[30] CA (3,006,897) 2018-06-01

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE DEVELOPMENT OF ANTIBODIES SPECIFIC TO EPITOPE POST-TRANSLATIONAL MODIFICATION STATUS**
[54] **PROCEDES ET COMPOSITIONS POUR LE DEVELOPPEMENT D'ANTICORPS SPECIFIQUES A L'ETAT DE MODIFICATION POST-TRADUCTION D'EPITOPE**
[72] WEINER, MICHAEL, GB
[72] KISS, MARGARET, GB
[71] ABCAM PLC, GB
[85] 2020-02-03
[86] 2018-08-03 (PCT/IB2018/001005)
[87] (WO2019/025866)
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[13] A1
[51] **Int.Cl. A61B 8/08 (2006.01) A61B 1/00 (2006.01) A61B 8/00 (2006.01)**
[25] EN
[54] **IMAGING DEVICE**
[54] **DISPOSITIF D'IMAGERIE**
[72] VAN SEVENTER, ROBERT, NL
[72] DE RAADT, FLORIS, NL
[71] DE RAADT BEHEER B.V., NL
[71] VAN SEVENTER, ROBERT, NL
[85] 2020-02-03
[86] 2018-09-06 (PCT/NL2018/050574)
[87] (WO2019/050400)
[30] NL (2019493) 2017-09-06

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[51] **Int.Cl. B05D 1/26 (2006.01) B05C 1/02 (2006.01)**
[25] EN
[54] **PAINTBRUSH AND METHOD OF USE**
[54] **PINCEAU ET PROCEDE D'UTILISATION**
[72] DOUGLAS, TERRY, CA
[72] PHILLIP, LLOYD, CA
[71] DOUGLAS, TERRY, CA
[71] PHILLIP, LLOYD, CA
[85] 2020-02-03
[86] 2018-08-01 (PCT/CA2018/050944)
[87] (WO2019/033198)
[30] US (15/677,540) 2017-08-15

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[13] A1
[51] **Int.Cl. A61K 9/50 (2006.01) A23L 5/30 (2016.01) A23L 5/40 (2016.01) A23L 33/105 (2016.01) A23P 10/30 (2016.01) A23P 10/40 (2016.01) A23G 1/48 (2006.01) A23L 2/38 (2006.01) A23L 2/39 (2006.01) A61J 3/02 (2006.01) A61K 9/00 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/42 (2017.01) B65B 29/02 (2006.01) B65D 85/18 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **POWDERED CANNABIS EXTRACT**
[54] **EXTRAIT DE CANNABIS EN POUDRE**
[72] PLATT, ILANA DEBORAH, CA
[72] GEMMITI, CLAUDIO, CA
[71] CANNTRUST INC., CA
[71] SINGLE DOSE SOLUTIONS INC., CA
[85] 2020-02-03
[86] 2018-08-02 (PCT/CA2018/050945)
[87] (WO2019/023803)
[30] US (62/540,777) 2017-08-03

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/496 (2006.01) A61K 31/4985 (2006.01) A61K 31/519 (2006.01) A61K 31/52 (2006.01) A61K 31/5377 (2006.01) C07D 473/34 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED PENTA- FUSED HEXA-HETEROCYCLIC COMPOUNDS, PREPARATION METHOD THEREFOR, DRUG COMBINATION AND USE THEREOF**
[54] **COMPOSES PENTA- ET HEXA-HETEROCYCLIQUES SUBSTITUES, PROCEDE DE PREPARATION CORRESPONDANT, COMBINAISON DE MEDICAMENTS ET UTILISATION ASSOCIEES**
[72] DENG, XIANMING, CN
[72] HUANG, WEI, CN
[72] SUN, XIHUAN, CN
[72] ZHANG, TING, CN
[72] HE, ZHIXIANG, CN
[72] LIU, YAN, CN
[72] WU, XINRUI, CN
[72] ZHANG, BAODING, CN
[72] LI, XIAOYANG, CN
[72] ZHANG, JINGFANG, CN
[72] CHEN, YUN, CN
[72] LI, LI, CN
[72] XU, QINGYAN, CN
[72] HU, ZHIYU, CN
[71] XIAMEN UNIVERSITY, CN
[85] 2020-02-03
[86] 2018-08-03 (PCT/CN2018/098457)
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[30] CN (201710658894.7) 2017-08-04

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[51] **Int.Cl. G01S 7/497 (2006.01) B60S 3/04 (2006.01) G01S 17/93 (2020.01) G05D 1/02 (2020.01)**
[25] EN
[54] **DEVICE AND METHOD FOR MAINTAINING THE CAPABILITY FOR PRECISE NAVIGATION OF AN AUTOMATED GUIDED VEHICLE**
[54] **DISPOSITIF ET PROCEDE PERMETTANT DE MAINTENIR LA PRECISION DE LA CAPACITE DE NAVIGATION D'UN VEHICULE AUTOGUIDE**
[72] KUHNE, ANDREAS, DE
[72] GEIGER, RUEDIGER, DE
[72] HERRE, ERWIN, DE
[72] WILFLING, STEFAN, DE
[71] GRENZEBACH MASCHINENBAU GMBH, DE
[85] 2020-02-03
[86] 2018-08-02 (PCT/DE2018/000229)
[87] (WO2019/029758)
[30] DE (10 2017 007 511.5) 2017-08-09

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[13] A1
[51] **Int.Cl. B30B 15/08 (2006.01) F15B 1/02 (2006.01)**
[25] EN
[54] **MACHINE TOOL**
[54] **MACHINE-OUTIL**
[72] GRONEBERG, JAN, DE
[71] NIENSTEDT GMBH, DE
[85] 2020-02-03
[86] 2018-08-03 (PCT/EP2018/071195)
[87] (WO2019/025619)
[30] EP (17184763.5) 2017-08-03

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[13] A1
[51] **Int.Cl. C07C 209/62 (2006.01)**
[25] EN
[54] **MULTI-STEP PROCESS FOR CONVERTING CYCLIC ALKYLENEUREAS INTO THEIR CORRESPONDING ALKYLENEAMINES**
[54] **PROCEDE MULTI-ETAPES POUR CONVERTIR DES ALKYLENE-UREES CYCLIQUES EN LEURS ALKYLENE-AMINES CORRESPONDANTES**
[72] TEN KATE, ANTOON JACOB BEREND, NL
[72] RAAIJMAKERS, MICHIEL JOZEF THOMAS, NL
[72] LAKE, KARL FREDRIK, SE
[72] KANTZER, EIKE NICOLAS, SE
[72] JOVIC, SLAVISA, NL
[72] EDVINSSON, ROLF KRISTER, SE
[72] EHLERS, INA, SE
[72] VAN DAM, HENDRIK, NL
[72] VENEMAN, RENS, NL
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[85] 2020-02-03
[86] 2018-08-07 (PCT/EP2018/071319)
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[30] EP (17185945.7) 2017-08-11

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[51] **Int.Cl. A01N 3/00 (2006.01) A23B 7/015 (2006.01) A23B 7/153 (2006.01) A23B 7/158 (2006.01) A23L 3/3481 (2006.01) A23L 3/3589 (2006.01)**
[25] EN
[54] **TREATMENT OF FRESH PRODUCE MATERIAL**
[54] **TRAITEMENT DE MATIERE DE PRODUITS FRAIS**
[72] PHILLIPS, SCOTT, GB
[71] J.W. EUROPEAN LTD, GB
[85] 2020-02-03
[86] 2018-06-29 (PCT/GB2018/051828)
[87] (WO2019/025751)
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[25] EN
[54] **NANOPARTICLE PLATFORM FOR ANTIBODY AND VACCINE DELIVERY**
[54] **PLATEFORME DE NANOPARTICULES POUR ADMINISTRATION D'ANTICORPS ET DE VACCIN**
[72] JULIEN, JEAN-PHILIPPE, CA
[72] SICARD, TAYLOR, CA
[72] SEMESI, ANTHONY, CA
[72] TREANOR, BEBHINN, CA
[72] ZHAO, TIANTIAN, CA
[72] RUJAS DIEZ, EDURNE, CA
[71] THE HOSPITAL FOR SICK CHILDREN, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[54] **SUBMERGED MEMBRANE UNIT DIFFUSER CASE**
[54] **BOITIER DE DIFFUSEUR A UNITE DE MEMBRANE IMMERGEE**
[72] RICH, CLAY BRANDON, US
[72] WHISENANT, RICK, US
[72] HOLLIMAN, CLYDE WAYNE, US
[72] LIVINGSTON, DENNIS, US
[71] OVIVO INC., CA
[85] 2020-02-03
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[54] **VERTICAL SOLAR APPARATUS**
[54] **APPAREIL SOLAIRE VERTICAL**
[72] HU, XIAOPING, CN
[71] BOLYMEDIA HOLDINGS CO. LTD., US
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[54] **ERASURE CODE-BASED PARTIAL WRITE-IN METHOD AND APPARATUS, STORAGE MEDIUM AND EQUIPMENT**
[54] **PROCEDE ET APPAREIL D'ECRITURE PARTIELLE A BASE DE CODE D'EFFACEMENT, SUPPORT DE STOCKAGE ET EQUIPEMENT**
[72] LI, HUIBA, CN
[72] ZHANG, ZHIMING, CN
[71] 10353744 CANADA LTD., CA
[85] 2020-02-03
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[51] **Int.Cl. C07C 211/02 (2006.01) C07C 215/18 (2006.01) C08G 73/02 (2006.01)**
[25] EN
[54] **PROCESS FOR PREPARING ETHYLENEAMINE COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES ETHYLENEAMINES**
[72] VENEMAN, RENS, NL
[72] TEN KATE, ANTOON JACOB BEREND, NL
[72] RAAIJMAKERS, MICHIEL JOZEF THOMAS, NL
[72] JOVIC, SLAVISA, NL
[72] EDVINSSON, ROLF KRISTER, SE
[72] KANTZER, EIKE NICOLAS, SE
[72] LAKE, KARL FREDRIK, SE
[72] EHLERS, INA, SE
[72] VAN DAM, HENDRIK, NL
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
[85] 2020-02-03
[86] 2018-08-07 (PCT/EP2018/071324)
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[51] **Int.Cl. C07D 233/34 (2006.01)**
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[54] **PROCESS FOR PREPARING CYCLIC ALKYLENE UREAS**
[54] **PROCEDE DE PREPARATION D'ALKYLENE-UREES CYCLIQUES**
[72] TEN KATE, ANTOON JACOB BEREND, NL
[72] LAKE, KARL FREDRIK, SE
[72] RAAIJMAKERS, MICHIEL JOZEF THOMAS, NL
[72] EDVINSSON, ROLF KRISTER, SE
[72] ADRIAN MEREDITH, JENNY VALBORG THERESE, SE
[72] VENEMAN, RENS, NL
[72] VAN DAM, HENDRIK, NL
[72] KANTZER, EIKE NICOLAS, SE
[72] EHLERS, INA, SE
[72] JOVIC, SLAVISA, NL
[71] NOURYON CHEMICALS INTERNATIONAL B.V., NL
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[25] EN
[54] **METHOD FOR DETECTING A MICROORGANISM IN A SAMPLE**
[54] **PROCEDE POUR LA DETECTION D'UN MICRO-ORGANISME DANS UN ECHANTILLON**
[72] HASSEL, TAMRYN JO, GB
[72] MASSEY, RUTH CATHERINE, GB
[72] BACON, LEANN FRANCIS, GB
[71] CORSHAM SCIENCE LIMITED, GB
[85] 2020-02-03
[86] 2018-08-08 (PCT/EP2018/071463)
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[54] **HEMOPEXIN FORMULATIONS**
[54] **FORMULATIONS D'HEMOPEXINE**
[72] GENTINETTA, THOMAS, CH
[72] BRINKMAN, NATHAN, US
[72] BOEREMA, DAVID, US
[72] AN, BO, US
[72] MINER, KYLE, US
[71] CSL BEHRING AG, CH
[85] 2020-02-03
[86] 2018-08-08 (PCT/EP2018/071465)
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[30] US (62/542,662) 2017-08-08
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[51] **Int.Cl. A01N 1/00 (2006.01) H04W 4/02 (2018.01) G05B 19/418 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **USE OF DATA FROM FIELD TRIALS IN CROP PROTECTION FOR CALIBRATING AND OPTIMISING PREDICTION MODELS**
[54] **UTILISATION DE DONNEES PROVENANT D'ESSAIS SUR LE TERRAIN DANS LA PROTECTION DE PLANTES POUR L'ETALONNAGE ET L'OPTIMISATION DE MODELES DE PREVISION**
[72] HOFFMANN, HOLGER, DE
[72] KIEPE, BJOERN, DE
[72] ZHAO, GANG, DE
[72] DAVIES, PETER HOWARD, DE
[72] ROSSLENBROICH, HANS-JUERGEN, DE
[72] SCHMEER, HUBERT, DE
[71] BASF AGRO TRADEMARKS GMBH, DE
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[51] **Int.Cl. H02K 7/18 (2006.01) H02K 3/28 (2006.01) H02K 15/00 (2006.01) H02K 19/22 (2006.01)**
[25] EN
[54] **GENERATOR ROTOR AND GENERATOR STATOR AND GENERATOR AND WIND POWER PLANT HAVING SAME AND METHOD FOR TRANSPORTING A GENERATOR**
[54] **ROTOR DE GENERATEUR ET STATOR DE GENERATEUR AINSI QUE GENERATEUR ET EOLIENNE LE COMPRENANT ET PROCEDE POUR LE TRANSPORT D'UN GENERATEUR**
[72] ZIEMS, JAN CARSTEN, DE
[72] GIENGIEL, WOJCIECH, DE
[72] VOLLES, MATS, DE
[72] FREESE, MICHAEL, DE
[72] GUDEWER, WILKO, DE
[72] KOHLER, JAN-PHILLIP, DE
[71] WOBBEN PROPERTIES GMBH, DE
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[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/14 (2006.01) A61B 18/18 (2006.01) A61B 18/20 (2006.01) A61F 9/008 (2006.01)**
[25] EN
[54] **PROCESS AND SYSTEM FOR UTILIZING ENERGY TO TREAT BIOLOGICAL TISSUE**
[54] **METHODE ET SYSTEME PERMETTANT D'UTILISER UNE ENERGIE EN VUE DE TRAITER UN TISSU BIOLOGIQUE**
[72] LUTTRULL, JEFFREY K., US
[72] CHANG, DAVID B., US
[72] MARGOLIS, BENJAMIN W. L., US
[71] OJAI RETINAL TECHNOLOGY, LLC, US
[85] 2020-02-03
[86] 2018-07-19 (PCT/US2018/042833)
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[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61K 9/00 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **USE OF GABOXADOL IN THE TREATMENT OF DIABETES AND RELATED CONDITIONS**
[54] **UTILISATION DE GABOXADOL DANS LE TRAITEMENT DU DIABETE ET D'ETATS APPARENTES**
[72] DURING, MATTHEW, US
[71] OVID THERAPEUTICS INC., US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/044973)
[87] (WO2019/028234)
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[51] **Int.Cl. A61K 31/4196 (2006.01) A61K 31/4439 (2006.01) A61P 15/02 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **ANTIFUNGAL AGENTS WITH ENHANCED ACTIVITY IN ACIDIC PH**
[54] **AGENTS ANTIFONGIQUES A ACTIVITE AMELIOREE EN PH ACIDE**
[72] ANGULO GONZALEZ, DAVID A., US
[71] SCYNEXIS, INC., US
[85] 2020-02-03
[86] 2018-07-31 (PCT/US2018/044619)
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[51] **Int.Cl. H04W 48/20 (2009.01)**
[25] EN
[54] **CONNECTING TO A WIRELESS NETWORK BASED ON A DEVICE MOBILITY STATE**
[54] **CONNEXION A UN RESEAU SANS FIL SUR LA BASE D'UN ETAT DE MOBILITE D'UN DISPOSITIF**
[72] LOGAN, WILLIAM KENNETH, US
[72] JAUNCEY, OLIVER JAMES, GB
[72] COLIAS, STEPHEN, GB
[71] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2020-02-03
[86] 2018-07-09 (PCT/US2018/041251)
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[51] **Int.Cl. H04W 48/18 (2009.01) H04W 48/16 (2009.01) H04W 48/20 (2009.01)**
[25] EN
[54] **PRIORITIZING PREFERRED NETWORKS**
[54] **CLASSEMENT PAR ORDRE DE PRIORITE DE RESEAUX PREFERES**
[72] LOGAN, WILLIAM KENNETH, US
[72] JAUNCEY, OLIVER JAMES, GB
[71] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2020-02-03
[86] 2018-07-10 (PCT/US2018/041514)
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[51] **Int.Cl. B60C 17/04 (2006.01)**
[25] EN
[54] **RUN FLAT SYSTEM INCLUDING A CONTINUOUS ELASTOMERIC CAP MEMBER**
[54] **SYSTEME DE ROULAGE A PLAT COMPRENANT UN ELEMENT DE CAPUCHON ELASTOMERE CONTINU**
[72] SWARTZ, ROBERT W., II, US
[72] STUCK, LARRY W., US
[72] YOUNG, JOHN, M., US
[71] HUTCHINSON INDUSTRIES, INC., US
[85] 2020-02-03
[86] 2018-08-01 (PCT/US2018/044748)
[87] (WO2019/028105)
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[51] **Int.Cl. B25J 15/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ROBOTIC SUCTION GRIPPERS**
[54] **SYSTEMES ET PROCEDES POUR DISPOSITIFS DE PREHENSION PAR ASPIRATION ROBOTIQUES**
[72] MCCOY, JOHN C., JR., US
[72] HOROWITZ, MATANYA B., US
[72] BAILEY, JAMES A., US
[71] AMP ROBOTICS CORPORATION, US
[85] 2020-01-31
[86] 2018-09-20 (PCT/US2018/051864)
[87] (WO2019/060489)
[30] US (62/561,400) 2017-09-21

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[51] **Int.Cl. B01L 7/00 (2006.01) C23C 16/00 (2006.01) G01K 3/10 (2006.01) G01K 7/22 (2006.01) H05B 1/02 (2006.01) H05B 3/00 (2006.01) H05B 3/06 (2006.01) H05B 3/68 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR AUTOMATED THAWING OF BAG-FORMAT STORAGE VESSELS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE DECONGELATION AUTOMATISEE DE RECIPIENTS DE STOCKAGE DE FORMAT DE SAC**
[72] SCHRYVER, BRIAN, US
[72] COMISO, SCOTT, US
[72] MCPHERSON, THOMAS, US
[71] MEDCISION, INC., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045235)
[87] (WO2019/028399)
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[51] **Int.Cl. E21B 33/00 (2006.01)**
[25] EN
[54] **DESTRUCTIBLE SEALING DISK AND METHODS ASSOCIATED THEREWITH**
[54] **DISQUE D'ETANCHEITE DESTRUCTIBLE ET PROCEDES Y ASSOCIES**
[72] STONE, PATRICK, US
[71] COORSTEK, INC., US
[85] 2020-01-31
[86] 2019-04-23 (PCT/US2019/028716)
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[30] US (62/663,892) 2018-04-27

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[13] A1
[51] **Int.Cl. A61B 6/10 (2006.01) H05G 1/26 (2006.01)**
[25] EN
[54] **DISPLAY DEVICE FOR REDUCING RADIATION EXPOSURE TO MEDICAL PERSONNEL**
[54] **DISPOSITIF D'AFFICHAGE POUR REDUIRE L'EXPOSITION AU RAYONNEMENT A L'ATTENTION DU PERSONNEL MEDICAL**
[72] WILSON, ROBERT F., US
[72] GAINOR, JOHN P., US
[72] MONTAGUE, JAMES, US
[72] VALETI, UMA S., US
[71] EGG MEDICAL, INC., US
[85] 2020-02-03
[86] 2018-08-06 (PCT/US2018/045350)
[87] (WO2019/028454)
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[13] A1
[51] **Int.Cl. A61K 31/513 (2006.01) A61P 9/04 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **MAVACAMTEN FOR USE IN THE TREATMENT OF HYPERTROPHIC CARDIOMYOPATHY**
[54] **MAVACAMTEN DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE LA CARDIOMYOPATHIE HYPERTROPHIQUE**
[72] SEMIGRAN, MARC J., US
[72] LEE, JUNE H., US
[72] LAMBING, JOSEPH, US
[72] GREEN, ERIC, US
[72] EVANCHIK, MARC, US
[71] MYOKARDIA, INC., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045180)
[87] (WO2019/028360)
[30] US (62/541,591) 2017-08-04
[30] US (62/584,537) 2017-11-10
[30] US (62/639,922) 2018-03-07
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[51] **Int.Cl. B01D 11/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTINUOUS STIRRED TANK SOLVENT EXTRACTION USING FEEDSTOCK**
[54] **SYSTEME ET PROCEDE D'EXTRACTION DE SOLVANT EN CUVE A AGITATION CONTINUE A L'AIDE DE MATIERE PREMIERE**
[72] NOCERA, ANTHONY JR., US
[71] KULTEVAT, INC., US
[85] 2020-02-03
[86] 2018-08-06 (PCT/US2018/045363)
[87] (WO2019/032448)
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[51] **Int.Cl. C08H 8/00 (2010.01)**
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[54] **RUBBER AND BY-PRODUCT EXTRACTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'EXTRACTION DE CAOUTCHOUC ET DE SOUS-PRODUITS**
[72] NOCERA, JR., ANTHONY, US
[72] SWIGER, DANIEL R., US
[71] KULTEVAT, INC., US
[85] 2020-02-03
[86] 2018-08-06 (PCT/US2018/045371)
[87] (WO2019/032452)
[30] US (62/542,504) 2017-08-08
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[51] **Int.Cl. A61K 31/195 (2006.01) A61K 31/335 (2006.01) C07C 15/24 (2006.01)**
[25] EN
[54] **MACROCYCLIC IMMUNOMODULATORS**
[54] **IMMUNOMODULATEURS MACROCYCLIQUES**
[72] MALATHONG, VIENGKHAM, US
[72] MCMAHON, JEFFREY, US
[72] MCMURTRIE, DARREN J., US
[72] PUNNA, SREENIVAS, US
[72] ROTH, HOWARD S., US
[72] SINGH, RAJINDER, US
[72] ZHANG, PENGLIE, US
[71] CHEMOCENTRYX, INC., US
[85] 2020-02-03
[86] 2018-08-07 (PCT/US2018/045553)
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[30] US (62/542,694) 2017-08-08

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[51] **Int.Cl. C04B 7/345 (2006.01) C04B 7/32 (2006.01) C04B 28/06 (2006.01) C04B 28/18 (2006.01)**
[25] EN
[54] **BUILDING ELEMENTS MADE FROM BINDERS HARDENING BY COMBINED HYDRATION AND CARBONATION**
[54] **ELEMENTS DE CONSTRUCTION FABRIQUES A PARTIR DE LIANTS DURCISSANT PAR HYDRATATION ET CARBONATATION COMBINEES**
[72] SKOCEK, JAN, DE
[72] ZAJAC, MACIEJ, DE
[72] BEN HAHA, MOHSEN, DE
[72] BULLERJAHN, FRANK, DE
[71] HEIDELBERGCEMENT AG, DE
[85] 2020-02-03
[86] 2018-09-18 (PCT/EP2018/075199)
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[51] **Int.Cl. A01H 5/00 (2018.01) A01N 25/02 (2006.01) A01N 57/12 (2006.01) A01N 59/26 (2006.01)**
[25] EN
[54] **MICROBIAL INOCULANT COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS INOCULANTES MICROBIENNES ET PROCEDES**
[72] HAGEN, TONY, US
[71] RAISON, LLC, US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045215)
[87] (WO2019/028385)
[30] US (62/541,422) 2017-08-04
[30] US (62/660,836) 2018-04-20
[30] US (62/663,067) 2018-04-26
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[13] A1
[51] **Int.Cl. A01N 39/04 (2006.01) A01N 43/40 (2006.01) A01N 47/36 (2006.01) A01P 13/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC HERBICIDAL COMBINATIONS**
[54] **COMPOSITIONS HERBICIDES SYNERGIQUES**
[72] BRITO, ALEXANDRE LEITE, IN
[72] DE ALMEIDA, BRUNA MARIELE, IN
[72] SILVA, FERDINANDO MARCOS LIMA, IN
[72] DA CUNHA, JOAQUIM RIBEIRO, IN
[72] HOHMANN, LUCIANO ZANOTTO, IN
[72] GONCALVES, NATALIA, IN
[72] DECARO JUNIOR, SERGIO TADEU, IN
[72] SHROFF, JAIDEV, RAJNIKANT, AE
[72] SHROFF, VIKRAM, RAJNIKANT, AE
[71] UPL LTD, IN
[85] 2020-02-03
[86] 2018-07-31 (PCT/IB2018/055716)
[87] (WO2019/030614)
[30] IN (201731028212) 2017-08-08

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[51] **Int.Cl. A61N 5/06 (2006.01) A61K 33/00 (2006.01) A61P 31/00 (2006.01)**
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[54] **STERILIZATION DEVICE FOR INCISION AND WOUND SITES**
[54] **DISPOSITIF DE STERILISATION POUR SITES D'INCISION ET DE PLAIE**
[72] GIL, PATRICIA CAROL, US
[72] GIL, ASHER, US
[72] GIL, DANIEL, US
[71] HEPCO HOLDINGS, LLC, US
[85] 2020-01-31
[86] 2018-08-01 (PCT/US2018/044738)
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[30] US (15/683,921) 2017-08-23

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[13] A1
[51] **Int.Cl. C03C 17/34 (2006.01)**
[25] EN
[54] **TRANSPARENT CONDUCTIVE OXIDE HAVING AN EMBEDDED FILM**
[54] **OXYDE CONDUCTEUR TRANSPARENT POSSEDANT UN FILM INCORPORE**
[72] GANJOO, ASHTOSH, US
[72] NARAYANAN, SUDARSHAN, US
[72] FINLEY, JAMES J., US
[72] O'SHAUGNESSY, DENNIS J., US
[71] VITRO FLAT GLASS LLC, US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/045070)
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[30] US (15/669,411) 2017-08-04

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[51] **Int.Cl. G01W 1/14 (2006.01) G06T 7/11 (2017.01) G06T 7/174 (2017.01) G06T 7/194 (2017.01) G06T 7/254 (2017.01)**
[25] EN
[54] **REAL-TIME COMPUTATION OF AN ATMOSPHERIC PRECIPITATION RATE FROM A DIGITAL IMAGE OF AN ENVIRONMENT WHERE AN ATMOSPHERIC PRECIPITATION IS TAKING PLACE**
[54] **CALCUL EN TEMPS REEL D'UN TAUX DE PRECIPITATION ATMOSPHERIQUE A PARTIR D'UNE IMAGE NUMERIQUE D'UN ENVIRONNEMENT OU SE PRODUIT UNE PRECIPITATION ATMOSPHERIQUE**
[72] ALLAMANO, PAOLA, IT
[72] CAGNINEI, ANDREA, IT
[71] WATERVIEW SRL, IT
[85] 2020-02-03
[86] 2018-08-10 (PCT/IB2018/056032)
[87] (WO2019/030714)
[30] IT (102017000093530) 2017-08-11

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[13] A1
[51] **Int.Cl. F03D 7/06 (2006.01) F03D 9/25 (2016.01) F03D 80/50 (2016.01)**
[25] EN
[54] **WIND TUBINE BEARING REMOVAL AND INSTALLATION DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE RETRAIT ET D'INSTALLATION DE PALIER D'EOLIENNE**
[72] REYNOLDS, KEVIN, US
[72] CLARK, JOHN, US
[72] WARREN, STEPHEN, US
[72] PEPIN, THOMAS A. III, US
[71] BARNHART CRANE AND RIGGING CO., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045205)
[87] (WO2019/028375)
[30] US (62/540,691) 2017-08-03

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[13] A1
[51] **Int.Cl. C12C 5/02 (2006.01) A61K 9/00 (2006.01) A61K 31/137 (2006.01) A61K 31/197 (2006.01)**
[25] EN
[54] **ENRICHED ALCOHOLIC BEVERAGES**
[54] **BOISSONS ALCOOLISEES ENRICHIES**
[72] HAKIM, DANIEL, IL
[71] EUPHORIA BEER DEVELOPMENT LTD, IL
[85] 2020-02-03
[86] 2018-08-22 (PCT/IB2018/056348)
[87] (WO2019/038687)
[30] US (62/548,924) 2017-08-22

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[13] A1
[51] **Int.Cl. B60R 21/015 (2006.01) G01S 13/04 (2006.01)**
[25] EN
[54] **CONTACTLESS DETECTION AND MONITORING SYSTEM OF VITAL SIGNS OF VEHICLE OCCUPANTS**
[54] **SYSTEME DE DETECTION ET DE SURVEILLANCE SANS CONTACT DE SIGNES VITAUX DES OCCUPANTS D'UN VEHICULE**
[72] SLOUSHCH, ILYA, IL
[72] KOTLAR, VADIM, IL
[72] BEREZIN, KONSTANTIN, IL
[72] ARSHAVSKI, ALEX, IL
[71] CAARESYS LTD, IL
[85] 2020-02-03
[86] 2018-08-01 (PCT/IL2018/050856)
[87] (WO2019/026076)
[30] US (62/540,083) 2017-08-02

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[13] A1
[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/85 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK VEHICLE, METHOD AND WORK VEHICLE**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE VEHICULE DE TRAVAIL, ET VEHICULE DE TRAVAIL**
[72] TAKAOKA, YUKIHISA, JP
[72] KURE, KAZUKI, JP
[71] KOMATSU LTD., JP
[85] 2020-02-03
[86] 2019-01-21 (PCT/JP2019/001674)
[87] (WO2019/187532)
[30] JP (2018-065143) 2018-03-29

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[13] A1
[51] **Int.Cl. B63B 39/06 (2006.01) B63B 1/18 (2006.01)**
[25] EN
[54] **BALLAST SYSTEM FOR A BOAT AND METHOD OF OPERATING A BOAT**
[54] **SYSTEME DE BALLAST POUR UN BATEAU ET PROCEDE DE FONCTIONNEMENT D'UN BATEAU**
[72] LARSON, ADAM D., US
[72] MYERS, MICHAEL D., US
[72] SHEEDY, DARREN S., US
[72] EKERN, DAVID F., US
[71] MASTERCRAFT BOAT COMPANY, LLC, US
[85] 2020-02-03
[86] 2018-08-31 (PCT/US2018/049024)
[87] (WO2019/046682)
[30] US (62/553,318) 2017-09-01

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[13] A1
[51] **Int.Cl. E02F 9/20 (2006.01) E02F 3/85 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK VEHICLE, METHOD, AND WORK VEHICLE**
[54] **SYSTEME ET PROCEDE DE COMMANDE POUR VEHICULE DE TRAVAIL ET VEHICULE DE TRAVAIL**
[72] TAKAOKA, YUKIHISA, JP
[72] KURE, KAZUKI, JP
[71] KOMATSU LTD., JP
[85] 2020-02-03
[86] 2019-02-19 (PCT/JP2019/006037)
[87] (WO2019/187793)
[30] JP (2018-065141) 2018-03-29

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[13] A1
[51] **Int.Cl. C12Q 1/04 (2006.01) A01K 67/02 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD OF SELECTING RUMINATING ANIMALS FOR A DESIRABLE HEREDITABLE TRAIT**
[54] **PROCEDE DE SELECTION D'ANIMAUX RUMINANTS POUR UN TRAIT SOUHAITABLE POUVANT ETRE HERITE**
[72] MIZRAHI, ITZHAK, IL
[71] THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT, AGRILTURAL RESEARCH ORGANIZATION (ARO) (VOLCANI CENTER), IL
[71] THE NATIONAL INSTITUTE FOR BIOTECHNOLOGY IN THE NEGEV LTD., IL
[85] 2020-02-03
[86] 2018-08-06 (PCT/IL2018/050868)
[87] (WO2019/030752)
[30] US (62/541,731) 2017-08-06

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[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD FOR SECURING DATA UTILIZING MICROSHARD FRAGMENTATION**
[54] **PROCEDE DE SECURISATION DE DONNEES UTILISANT UNE FRAGMENTATION MICROSHARD**
[72] STEINBERG, LOUIS, US
[72] LU, CHIHLI, US
[71] SHARDSECURE, INC., US
[85] 2019-12-31
[86] 2018-08-07 (PCT/US2018/045563)
[87] (WO2019/032556)
[30] US (62/543,781) 2017-08-10

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[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) A61K 47/68 (2017.01) A61K 38/26 (2006.01) A61P 1/00 (2006.01) C07K 14/575 (2006.01) C07K 14/605 (2006.01) C07K 16/00 (2006.01) C07K 19/00 (2006.01) C12N 15/16 (2006.01)**
[25] EN
[54] **GLP-2 FUSION POLYPEPTIDES AND USES FOR TREATING AND PREVENTING GASTROINTESTINAL CONDITIONS**
[54] **POLYPEPTIDES DE FUSION GLP-2 ET LEURS UTILISATIONS POUR TRAITER ET PREVENIR LES TROUBLES GASTRO-INTESTINAUX**
[72] PAN, CLARK, US
[72] NORTON, ANGELA, US
[72] STRACK-LOGUE, BETTINA, US
[72] SUN, KEFENG, US
[71] SHIRE-NPS PHARMACEUTICALS, INC., US
[85] 2020-02-03
[86] 2018-08-21 (PCT/US2018/047171)
[87] (WO2019/040399)
[30] US (62/548,601) 2017-08-22
[30] US (62/621,144) 2018-01-24
[30] US (62/659,394) 2018-04-18

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[13] A1
[51] **Int.Cl. H01L 51/00 (2006.01) C03C 17/22 (2006.01) C03C 17/245 (2006.01) C03C 17/34 (2006.01)**
[25] EN
[54] **FLASH ANNEALING OF TRANSPARENT CONDUCTIVE OXIDE AND SEMICONDUCTOR COATINGS**
[54] **RECUIT FLASH D'OXYDE CONDUCTEUR TRANSPARENT ET DE REVETEMENTS SEMI-CONDUCTEUR**
[72] GANJOO, ASHTOSH, US
[72] FISHER, PATRICK, US
[72] NARAYANAN, SUDARSHAN, US
[71] VITRO FLAT GLASS LLC, US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/045062)
[87] (WO2019/028287)
[30] US (15/669,225) 2017-08-04

[21] **3,071,968**
[13] A1
[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) B82Y 5/00 (2011.01) A61K 9/08 (2006.01) A61K 9/10 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01) A61K 47/32 (2006.01) A61K 47/34 (2017.01) A61K 47/44 (2017.01) A61K 48/00 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01) C07C 237/08 (2006.01) C07C 321/18 (2006.01) C07D 205/04 (2006.01)**
[25] EN
[54] **NUCLEIC ACID-CONTAINING LIPID NANOPARTICLE**
[54] **NANOPARTICULES LIPIDIQUES CONTENANT UN ACIDE NUCLEIQUE**
[72] HATANAKA, KENTARO, JP
[72] MAEMOTO, MICHIHIRO, JP
[72] HOSOE, SHINTARO, JP
[71] KYOWA KIRIN CO., LTD., JP
[85] 2020-02-03
[86] 2018-08-06 (PCT/JP2018/029446)
[87] (WO2019/027055)
[30] JP (2017-151525) 2017-08-04

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[13] A1
[51] **Int.Cl. G07C 9/00 (2020.01) G08B 25/00 (2006.01)**
[25] EN
[54] **RELEASE MONITORING THROUGH CHECK-IN AND TETHERING SYSTEM**
[54] **SURVEILLANCE DE LIBERATION AU MOYEN D'UN SYSTEME DE CONTROLE ET D'ATTACHE**
[72] HODGE, STEPHEN L., US
[71] GLOBAL TEL*LINK CORPORATION, US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045199)
[87] (WO2019/028371)
[30] US (15/668,493) 2017-08-03

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **NON-INVASIVE COLON MOTILITY MONITORING SYSTEM**
[54] **SYSTEME NON INVASIF DE SURVEILLANCE DE LA MOTILITE DU COLON**
[72] ROSEN, JOHN M., US
[72] VARGAS-LUNA, FRANCISCO M., MX
[71] THE CHILDREN'S MERCY HOSPITAL, US
[85] 2020-02-03
[86] 2018-08-17 (PCT/US2018/046881)
[87] (WO2019/036596)
[30] US (62/547,542) 2017-08-18

[21] **3,071,971**
[13] A1
[51] **Int.Cl. C03C 17/34 (2006.01)**
[25] EN
[54] **METHOD OF DECREASING SHEET RESISTANCE IN AN ARTICLE COATED WITH A TRANSPARENT CONDUCTIVE OXIDE**
[54] **PROCEDE DE REDUCTION DE LA RESISTANCE DE FEUILLE DANS UN ARTICLE REVETU D'UN OXYDE CONDUCTEUR TRANSPARENT**
[72] GANJOO, ASHTOSH, US
[72] NARAYANAN, SUDARSHAN, US
[71] VITRO FLAT GLASS LLC, US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/045066)
[87] (WO2019/028290)
[30] US (15/669,276) 2017-08-04

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[13] A1
[51] **Int.Cl. C07D 401/06 (2006.01) A61K 31/435 (2006.01) A61P 3/04 (2006.01) C07D 211/36 (2006.01) C07D 405/06 (2006.01) C07D 417/06 (2006.01)**
[25] EN
[54] **HETEROCYCLIC COMPOUND AND USE THEREOF**
[54] **COMPOSE HETEROCYCLIQUE ET SON UTILISATION**
[72] KAJITA, YUICHI, JP
[72] MIKAMI, SATOSHI, JP
[72] MIYANOHANA, YUHEI, JP
[72] KOIKE, TATSUKI, JP
[72] DAINI, MASAKI, JP
[72] OYABU, NORIO, JP
[72] OGINO, MASAKI, JP
[72] TAKEUCHI, KOHEI, JP
[72] ITO, YOSHITERU, JP
[72] TOKUNAGA, NORIHITO, JP
[72] SUGIMOTO, TAKAHIRO, JP
[72] MIYAZAKI,TOHRU, JP
[72] ODA, TSUNEO, JP
[72] HOASHI, YASUTAKA, JP
[72] HATTORI,YASUSHI, JP
[72] IMAMURA, KEISUKE, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2020-02-03
[86] 2018-08-02 (PCT/JP2018/029696)
[87] (WO2019/027058)
[30] JP (2017-248495) 2017-12-25
[30] JP (2017-150685) 2017-08-03

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[13] A1
[51] **Int.Cl. G06F 3/01 (2006.01) H04W 4/02 (2018.01) H04W 12/06 (2009.01) G06F 15/16 (2006.01) G06Q 30/00 (2012.01) G06Q 99/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING ACCESS TO DATA ASSOCIATED WITH A VENUE-CENTRIC EVENT**
[54] **SYSTEME ET PROCEDE PERMETTANT DE CONTROLER UN ACCES A DES DONNEES ASSOCIEES A UN EVENEMENT CENTRE SUR UN LIEU**
[72] HOLSINGER, KENNETH D., US
[72] BAIYA, EVANSON G., US
[72] MCMULLEN, CASEY R., US
[71] FREEMAN HOLDING, LLC, US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045233)
[87] (WO2019/028397)
[30] US (62/540,875) 2017-08-03

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[13] A1
[51] **Int.Cl. A61B 17/20 (2006.01)**
[25] FR
[54] **SURFACE CUTTING DEVICE, IN PARTICULAR FOR ALLERGY DIAGNOSIS**
[54] **DISPOSITIF D'INCISION SUPERFICIELLE, NOTAMMENT POUR DIAGNOSTIC ALLERGIQUE**
[72] GROZELIER, ISABELLE, FR
[71] GROZELIER, ISABELLE, FR
[85] 2020-02-04
[86] 2018-08-07 (PCT/EP2018/071426)
[87] (WO2019/030238)
[30] FR (1757581) 2017-08-08

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[13] A1
[51] **Int.Cl. H01B 13/00 (2006.01) H01M 10/052 (2010.01) H01M 10/0562 (2010.01) C01B 25/14 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING LGPS-BASED SOLID ELECTROLYTE**
[54] **PROCEDE DE PRODUCTION D'UN ELECTROLYTE SOLIDE A BASE DE LGPS**
[72] KATORI, AKI, JP
[72] ITO, TOMOHIRO, JP
[72] SHIMADA, MASAHIRO, JP
[72] KAWAKAMI, KOTARO, JP
[71] MITSUBISHI GAS CHEMICAL COMPANY, INC., JP
[85] 2020-02-03
[86] 2018-08-16 (PCT/JP2018/030397)
[87] (WO2019/044517)
[30] JP (2017-168770) 2017-09-01

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[13] A1
[51] **Int.Cl. E21B 19/00 (2006.01) B25B 13/50 (2006.01) E21B 19/06 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **DIAMOND BODIES AND TOOLS FOR GRIPPING DRILL RODS**
[54] **CORPS DE DIAMANT ET OUTILS DE SERRAGE DE TIGES DE FORAGE**
[72] DRIVDAHL, KRISTIAN S., US
[72] PEARCE, CODY A., US
[72] CORONA, ROBERT, US
[72] DRENTH, CHRISTOPHER L., CA
[72] LACHANCE, ANTHONY, CA
[71] BLY IP INC., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045077)
[87] (WO2019/028299)
[30] US (62/541,197) 2017-08-04

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[13] A1
[51] **Int.Cl. C12N 7/00 (2006.01) A61K 39/12 (2006.01) A61K 48/00 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR DELIVERY OF AAV**
[54] **COMPOSITIONS ET PROCEDES PERMETTANT L'ADMINISTRATION DE VIRUS ADENO-ASSOCIES**
[72] SAH, DINAH WEN-YEE, US
[72] PATZKE, HOLGER, US
[72] HOU, JINZHAO, US
[72] NONNENMACHER, MATHIEU E., US
[72] GOULET, MARTIN, US
[72] CARTER, TODD, US
[71] VOYAGER THERAPEUTICS, INC., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045088)
[87] (WO2019/028306)
[30] US (62/540,776) 2017-08-03
[30] US (62/565,264) 2017-09-29
[30] US (62/572,706) 2017-10-16

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[13] A1
[51] **Int.Cl. C04B 24/28 (2006.01) C04B 28/02 (2006.01)**
[25] EN
[54] **MORTAR CONTAINING POLYURETHANE DISPERSION WITH ETHYLENE OXIDE UNITS**
[54] **MORTIER CONTENANT UNE DISPERSION DE POLYURETHANE RENFERMANT DES MOTIFS OXYDE D'ETHYLENE**
[72] EVANS, CRAIG, GB
[72] MARTIN, IAN, GB
[72] PARDOS, YOLANDA, ES
[72] GARCIA, RAMIRO, ES
[72] GRANIZO, LUZ, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2020-02-04
[86] 2018-08-21 (PCT/EP2018/072582)
[87] (WO2019/038297)
[30] EP (17187329.2) 2017-08-22

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[13] A1
[51] **Int.Cl. C09D 201/00 (2006.01) C09D 7/45 (2018.01) C09D 5/02 (2006.01) C09D 177/00 (2006.01)**
[25] EN
[54] **ANTI-SETTLING AGENT COMPOSITION FOR AQUEOUS PAINT**
[54] **COMPOSITION D'AGENT ANTI-SEDIMENTATION POUR MATERIAUX DE REVETEMENT AQUEUX**
[72] UBUKATA, MAKOTO, JP
[72] NISHIYAMA, HIRONORI, JP
[72] SAITO, TOSHIKI, JP
[71] KUSUMOTO CHEMICALS, LTD., JP
[85] 2020-02-03
[86] 2018-10-19 (PCT/JP2018/039016)
[87] (WO2019/078360)
[30] JP (2017-204061) 2017-10-20

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[13] A1
[51] **Int.Cl. E02F 3/85 (2006.01) E02F 9/20 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **CONTROL SYSTEM FOR WORK MACHINE, METHOD, AND WORK MACHINE**
[54] **SYSTEME DE COMMANDE DE MACHINE DE TRAVAIL, PROCEDE, ET MACHINE DE TRAVAIL**
[72] TAKAOKA, YUKIHISA, JP
[71] KOMATSU LTD., JP
[85] 2020-02-03
[86] 2018-11-22 (PCT/JP2018/043227)
[87] (WO2019/116856)
[30] JP (2017-239775) 2017-12-14

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 35/17 (2015.01) A61P 35/02 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **TREATING AND INHIBITING LEUKEMIA WITH NK-92 CELLS**
[54] **TRAITEMENT ET INHIBITION DE LA LEUCEMIE A L'AIDE DE CELLULES NK-92**
[72] KLINGEMANN, HANS G., US
[72] LEE, TIEN, US
[71] NANTKWEST, INC., US
[85] 2020-02-03
[86] 2018-08-03 (PCT/US2018/045146)
[87] (WO2019/028337)
[30] US (62/541,511) 2017-08-04

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[13] A1
[51] **Int.Cl. B61L 3/08 (2006.01) B61L 1/20 (2006.01) B61L 3/16 (2006.01) B61L 19/06 (2006.01) B61L 23/30 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR DECENTRALIZED TRAIN CONTROL**
[54] **PROCEDES ET SYSTEMES POUR COMMANDE DECENTRALISEE DE TRAIN**
[72] CARLSON, RICHARD C., US
[71] METROM RAIL, LLC, US
[85] 2020-02-03
[86] 2018-08-06 (PCT/US2018/045388)
[87] (WO2019/028460)
[30] US (62/541,454) 2017-08-04
[30] US (16/055,905) 2018-08-06

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[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01)**
[25] EN
[54] **A SYSTEM, METHOD, COMPUTER PROGRAM AND DATA SIGNAL FOR IDENTIFYING SOFTWARE CAPABLE OF CAPTURING PERSONALLY IDENTIFIABLE INFORMATION**
[54] **SYSTEME, PROCEDE, PROGRAMME D'ORDINATEUR ET SIGNAL DE DONNEES PERMETTANT D'IDENTIFIER UN LOGICIEL POUVANT CAPTURER DES INFORMATIONS NOMINATIVES**
[72] JOWETT, ROBIN, AU
[71] LENS10 PTY LTD, AU
[85] 2020-02-03
[86] 2018-08-02 (PCT/AU2018/050808)
[87] (WO2019/023756)
[30] AU (2017903065) 2017-08-02

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[13] A1
[51] **Int.Cl. G01B 11/24 (2006.01) G01B 11/245 (2006.01) G01B 11/27 (2006.01) G01N 21/952 (2006.01)**
[25] EN
[54] **DEVICE FOR OPTICALLY MEASURING THE EXTERNAL-THREAD PROFILE OF A PIPE**
[54] **DISPOSITIF POUR LA MESURE OPTIQUE DU PROFIL DE FILETAGE EXTERIEUR DE TUBES**
[72] KLARNER, JURGEN, AT
[72] LEITNER, REINHARD, AT
[72] WINKLER, PETER, AT
[72] KARNER, HANNES, AT
[71] VOESTALPINE TUBULARS GMBH & CO KG, AT
[85] 2020-02-04
[86] 2018-11-08 (PCT/AT2018/000091)
[87] (WO2019/090371)
[30] AT (A 441/2017) 2017-11-13

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[13] A1
[51] **Int.Cl. A01G 9/02 (2018.01) A01G 27/00 (2006.01) A01G 27/04 (2006.01) A01G 31/00 (2018.01) A01G 31/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GROWING VEGETATION**
[54] **PROCEDE ET APPAREIL DE CULTURE DE VEGETATION**
[72] PARTLOW, JONATHAN D., US
[71] JDSCAP SYNERGISTICS, LLC, US
[85] 2020-01-29
[86] 2018-08-01 (PCT/US2018/044818)
[87] (WO2019/028145)
[30] US (62/540,243) 2017-08-02

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[13] A1
[51] **Int.Cl. H01M 10/0525 (2010.01) H01M 10/056 (2010.01)**
[25] EN
[54] **SOLID-STATE BATTERY BASED ON AN ION-CONDUCTIVE MATRIX COMPOSED OF CAMPHOR OR 2-ADAMANTANONE**
[54] **BATTERIE SOLIDE A BASE D'UNE MATRICE CONDUCTRICE D'IONS DE CAMPHRE OU DE 2-ADAMANTANONE**
[72] BARDENHAGEN, INGO, DE
[72] SOTO, MARC, DE
[72] SCHWENZEL, JULIAN, DE
[72] KOSCHEK, KATHARINA, DE
[72] BUSSE, MATTHIAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[72] ZINMAN, LEONARD N., US
[71] ADVANCED DILATION STRATEGIES, LLC, US
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[54] **DERIVES D'ACIDE GLYCYRRHETINIQUE DE TRAITEMENT DE L'HYPERKALIEMIE**
[72] LUEHR, GARY, US
[72] DRAGOLI, DEAN, US
[72] LEADBETTER, MICHAEL, US
[72] CHEN, TAO, US
[72] LEWIS, JASON, US
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[54] **ACTIVATEURS DE LA PYRUVATE KINASE DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE TROUBLES SANGUINS**
[72] CIANCHETTA, GIOVANNI, US
[72] LIU, TAO, US
[72] PADYANA, ANIL KUMAR, US
[72] SUI, ZHIHUA, US
[72] CAI, ZHENWEI, CN
[72] CUI, DAWEI, CN
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[54] **CARBOHYDRATE SENSORS**
[54] **CAPTEURS D'HYDRATES DE CARBONE**
[72] CARON, KARINE, AU
[72] TROWELL, STEPHEN CHARLES, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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[54] **DESHYDROGENATION OXYDANTE D'ETHANE**
[72] CALVO, LAURA MARIEL, NL
[72] ESPOSITO CASSIBBA, IVANA DANIELA, NL
[72] MITKIDIS, GEORGIOS, NL
[72] PAJAND, PEJMAN, NL
[72] VAN ROSSUM, GUUS, NL
[72] SAN ROMAN MACIA, MARIA, QA
[72] SCHOONEBEEK, RONALD JAN, NL
[72] KLUSENER, PETER ANTON AUGUST, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **MODELE DE RESEAU NEURONAL RECURRENT POUR POMPAGE A PLUSIEURS ETAGES**
[72] MADASU, SRINATH, US
[72] PANDEY, YOGENDRA NARAYAN, US
[72] RANGARAJAN, KESHAVA PRASAD, US
[71] LANDMARK GRAPHICS CORPORATION, US
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[54] **MOULD CLOSING UNIT FOR AN INJECTION MOULDING MACHINE**
[54] **UNITE DE FERMETURE DE MOULE POUR MACHINE DE MOULAGE PAR INJECTION**
[72] DUFFNER, EBERHARD, DE
[72] BLETSCHER, RAINER, DE
[71] ARBURG GMBH + CO KG, DE
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[54] **PROCEDES ET APPAREIL POUR DELIVRER UN RAYONNEMENT ELECTROMAGNETIQUE THERAPEUTIQUE, NON ULTRAVIOLET POUR INACTIVER DES AGENTS INFECTIEUX**
[72] BARNECK, MITCHELL D., US
[72] RHODES, NATHANIEL L. R., US
[72] ALLEN, JAMES P., US
[72] LONG, CURTIS D., US
[71] LIGHT LINE MEDICAL, INC., US
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[54] **UNITARY LAUNDRY DETERGENT ARTICLE**
[54] **ARTICLE DETERGENT TEXTILE UNITAIRE**
[72] TAN, HONGSING, CN
[72] SIVIK, MARK ROBERT, US
[72] DENOME, FRANK WILLIAM, US
[72] MAC NAMARA, CARL DAVID, CN
[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **TABLE DE SERVICE COMPACTABLE**
[72] BOYER, JASON A., US
[71] DOREL HOME FURNISHINGS, INC., US
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[54] **A BULKHEAD UNIT, A WIND TURBINE BLADE COMPRISING THE BULKHEAD UNIT, A LIFTING DEVICE AND METHODS OF ASSEMBLING AND INSTALLING THE BULKHEAD UNIT**
[54] **UNITE DE CLOISON, PALE D'EOLIENNE COMPRENANT L'UNITE DE CLOISON, DISPOSITIF DE LEVAGE ET PROCEDES D'ASSEMBLAGE ET D'INSTALLATION DE L'UNITE DE CLOISON**
[72] ROGERS, DAMIEN, DK
[72] STEFFENSEN, SOREN, DK
[72] SKOV, JOHAN BERGHOLT, DK
[72] LINDBY, TORBEN, DK
[72] JORGENSEN, LARS, DK
[72] KILDEGAARD, CASPER, DK
[71] LM WIND POWER INTERNATIONAL TECHNOLOGY II APS, DK
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[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF INFLAMMATORY BOWEL DISEASE**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UNE MALADIE INTESTINALE INFLAMMATOIRE**
[72] LIU, LIPING, CN
[71] SHENZHEN HIGHTIDE BIOPHARMACEUTICAL LTD., CN
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[54] **PROCEDE DE FILTRATION VIRALE DU FACTEUR DE VON WILLEBRAND**
[72] NOWAK, THOMAS, DE
[72] LIND, HOLGER, DE
[71] CSL BEHRING GMBH, DE
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[54] **A WIND TURBINE BLADE AND A METHOD OF OPERATING SUCH A WIND TURBINE BLADE**
[54] **PALE D'EOLIENNE ET PROCEDE D'OPERABILITE D'UNE PALE D'EOLIENNE**
[72] ARCE, CARLOS LEON, NL
[72] MADSEN, JESPER, DK
[71] LM WIND POWER INTERNATIONAL TECHNOLOGY II APS, DK
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[54] **PLANAR SOLID OXIDE FUEL UNIT CELL AND STACK**
[54] **UNITE DE PILE A COMBUSTIBLE A OXYDE SOLIDE PLANE ET ASSEMBLAGE**
[72] PALUMBO, NATHAN, US
[72] PERSKY, JOSHUA E., US
[71] UPSTART POWER, INC., US
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[54] **POSITIONNEMENT DE CAPTEURS POUR LA SURVEILLANCE OU LE TRAITEMENT DES PLAIES ACTIVE(E) PAR CAPTEURS**
[72] GOWANS, PHILIP, GB
[72] HUNT, ALLAN KENNETH FRAZER GRUGEON, GB
[72] PHILLIPS, MARCUS DAMIAN, GB
[72] SMITH, DAMIAN, GB
[72] URWIN, CHARLOTTE, GB
[71] SMITH & NEPHEW PLC, GB
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[54] **BRIDGING CIRCUIT AND CONTROL SYSTEM FOR AUTOMATIC CONTROL OF FLUID DISPENSERS, ARTICLE DISPENSERS, AND RELATED SYSTEMS**
[54] **CIRCUIT DE PONTAGE ET SYSTEME DE COMMANDE POUR LA COMMANDE AUTOMATIQUE DE DISTRIBUTEURS DE FLUIDE, DE DISTRIBUTEURS D'ARTICLES ET DE SYSTEMES ASSOCIES**
[72] WANG, ZHI, CA
[72] WANG, KEVIN CHRISTOPHER, CA
[71] WIZ-TEC EMS, INC., CA
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[54] **SYSTEME D'ADAPTATION COMPRENANT UN CADRE, UN TIMBRE D'AGENT ACTIF ET UN COUVERCLE**
[72] HORSTMANN, MICHAEL, DE
[72] HADASCHIK, ROMAN, DE
[72] WORTMANN, UWE, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[54] **POLYPEPTIDES POUR LE TRAITEMENT DE MALADIES**
[72] FORSSMANN, WOLF-GEORG, DE
[71] NEOPEP PHARMA GMBH & CO. KG, DE
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[54] **PROCEDE ET DISPOSITIF DE MESURE OPTIQUE DE DISTANCE**
[72] PUSKUL, OZGUR, DE
[71] IBEO AUTOMOTIVE SYSTEMS GMBH, DE
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[54] **MANUFACTURING-SENSITIVE CONTROL OF HIGH ROTOR POLE SWITCHED RELUCTANCE MOTORS**
[54] **COMMANDE SENSIBLE A LA FABRICATION DE MOTEURS A RELUCTANCE COMMUTEE A POLE DE ROTOR ELEVE**
[72] KRISHNAMURTHY, MAHESH, US
[72] CREARY, TREVOR, US
[72] KNODEL, TIM, US
[71] SOFTWARE MOTOR COMPANY, US
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[54] **REDUCING MERCURY AIR AND WATER EMISSIONS FROM A COAL FIRED POWER PLANT WITHIN A FGD SYSTEM USING A BIOCIDE**
[54] **REDUCTION DES EMISSIONS D'AIR ET D'EAU DE MERCURE PROVENANT D'UNE CENTRALE ELECTRIQUE A CHARBON DANS UN SYSTEME FGD A L'AIDE D'UN BIOCIDE**
[72] CONNOLLY, JEREMY, US
[72] CUNNINGHAM, CHUCK, US
[71] GENERAL ELECTRIC COMPANY, US
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[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] MULDER, IMKE ELISABETH, GB
[72] MCCLUSKEY, SEANIN MARIE, GB
[72] SAVIGNAC, HELENE, GB
[72] JEFFERY, IAN, IE
[71] 4D PHARMA RESEARCH LIMITED, GB
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[54] **BIOCONTROL COMPOSITIONS**
[54] **COMPOSITIONS DE LUTTE BIOLOGIQUE**
[72] HAMPTON, JOHN GRAHAM, NZ
[72] VAN ZIJLL DE JONG, ELINE, NZ
[71] LINCOLN UNIVERSITY, NZ
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[86] 2017-08-03 (PCT/IB2017/054742)
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[54] **OUTIL DE TRAVAIL DU SOL**
[72] BARNTHALER, WALTER, AT
[72] BURBOCK, HANNES, AT
[71] BOEHLERIT GMBH & CO.KG., AT
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[54] **TRANSDERMAL DRUG DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION TRANSDERMIQUE DE MEDICAMENT**
[72] LAKHANI, SHAKIR, CA
[72] SARANI, KEEAN, CA
[71] AVRO LIFE SCIENCES, INC., CA
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[54] **SENSORS IMPLANTABLE INTO A PATIENT'S BODY, SYSTEMS, AND METHODS OF USING THE SAME**
[54] **CAPTEURS IMPLANTABLES DANS LE CORPS D'UN PATIENT, SYSTEMES ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] MIKHAIL, GEORGE, US
[72] LESZKO, FILIP, US
[72] PIERSON, GLEN, US
[72] WAKLEY, BRETT IVAN, US
[72] VENKATASUBRAMANIAN, ARUN, SG
[72] LEMDIASOV, ROSTI, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
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[54] **METHODS OF BOOSTING IMMUNE RESPONSES**
[54] **PROCEDES D'AMPLIFICATION DES REPONSES IMMUNITAIRES**
[72] ARORA, ASHWANI KUMAR, IT
[72] WEYNANTS, VINCENT, BE
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
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[54] **UNITARY ACTUATOR VALVE FOR DOWNHOLE OPERATIONS**
[54] **SOUPAPE D'ACTIONNEUR UNITAIRE POUR OPERATIONS DE FOND DE TROU**
[72] KAO, CONRAD, US
[72] STOLBOUSHKIN, EUGENE, US
[72] SNITKOFF, JOSHUA RAYMOND, US
[72] SPEIGHTS, JOHN PATRICK, US
[72] HETZ, SHAY, US
[72] HUDSON, JACK, US
[72] BOYER, LUKE ALAN, US
[72] ACHANTA, ANJANI, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
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[54] **TISSUE PENETRATING SURGICAL SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES CHIRURGICAUX DE PENETRATION DES TISSUS**
[72] O'BRIEN, PETER ANDREW, IE
[72] DUPERRON, MATTHIEU FRANCOIS GABRIEL, FR
[72] BURKE, RAY, IE
[72] EASON, CORMAC JAMES, IE
[72] MANLEY, KEVIN, IE
[72] NUNAN, GERARD, IE
[71] UNIVERSITY COLLEGE CORK - NATIONAL UNIVERSITY OF IRELAND CORK, IE
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[54] **ELECTROLYTIC DEVICE**
[54] **DISPOSITIF ELECTROLYTIQUE**
[72] MANABE, AKIYOSHI, JP
[72] OHARA, MASAHIRO, JP
[71] DE NORA PERMELEC LTD, JP
[85] 2020-02-04
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[54] **APPARATUS TO WIRELESSLY MONITOR A STATUS OF A HATCH**
[54] **APPAREIL POUR SURVEILLER SANS FIL UN ETAT D'UNE TRAPPE**
[72] ELLISON, TRAVIS, US
[72] CARPENTER, SCOTT LEE, US
[71] EMERSON PROCESS MANGEMENT REGULATOR TECHNOLOGIES TULSA, LLC, US
[85] 2020-02-04
[86] 2018-07-25 (PCT/US2018/043710)
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[30] US (15/676,616) 2017-08-14

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[25] EN
[54] **DETECTION OF CARBAPENEMASE-PRODUCING ENTEROBACTERIALES, PSEUDOMONAS AND ACINETOBACTER SPECIES USING A CHROMOGEN**
[54] **DETECTION D'ESPECES PSEUDOMONAS ET ACINETOBACTER ENTEROBACTERIALES PRODUISANT DES CARBAPENEMASES A L'AIDE D'UN CHROMOGENE**
[72] HOBSON, JONATHAN ANTHONY, GB
[72] COLEBORN, MATILDA MAY, GB
[72] DAVIES, MYA, GB
[72] ANYAKWO, ANDREW CHUKA, GB
[71] MAST GROUP LIMITED, GB
[85] 2020-02-04
[86] 2018-08-07 (PCT/GB2018/052255)
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[30] GB (1712671.5) 2017-08-07

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[54] **AUGMENTED REALITY ASSISTED PICKUP**
[54] **RAMASSAGE ASSISTE PAR REALITE AUGMENTEE**
[72] BADALAMENTI, JOHN, US
[72] INCH, JOSHUA, US
[72] SANCHEZ, CHRISTOPHER MICHAEL, US
[72] SUMERS, THEODORE RUSSELL, US
[71] UBER TECHNOLOGIES, INC., US
[85] 2020-02-04
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[30] US (62/553,055) 2017-08-31
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[51] **Int.Cl. A01N 63/00 (2020.01)**
[25] EN
[54] **RHIZOBIA AND MYCORRHIZAL GRANULAR FORMULATIONS AND MIXTURES THEREOF**
[54] **FORMULATIONS GRANULAIRES DE RHIZOBIUM ET DE MYCORHIZE ET MELANGES ASSOCIES**
[72] DEVISETTY, BALA N., US
[72] SONI, MAYUR K., US
[71] VALENT BIOSCIENCES LLC, US
[85] 2020-02-03
[86] 2018-08-07 (PCT/US2018/045482)
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[30] US (62/542,363) 2017-08-08

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[25] EN
[54] **METHODS FOR TREATING HCV**
[54] **METHODES DE TRAITEMENT DU VHC**
[72] COLLINS, CHRISTINE, US
[72] FU, BO, US
[72] GULATI, ABHISHEK, US
[72] KORT, JENS, US
[72] KOSLOSKI, MATTHEW, US
[72] LEI, YANG, US
[72] LIN, CHIH-WEI, US
[72] LIU, RAN, US
[72] MENSA, FEDERICO, US
[72] NG, IOK CHAN, US
[72] PILOT-MATIAS, TAMI, US
[72] PUGATCH, DAVID, US
[72] SHULMAN, NANCY S., US
[72] TRINH, ROGER, US
[72] VIANI, ROLANDO M., US
[72] WANG, STANLEY, US
[72] ZHANG, ZHENZHEN, US
[71] ABBVIE INC., US
[85] 2020-02-03
[86] 2018-07-20 (PCT/US2018/042992)
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[30] US (15/667,212) 2017-08-02

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[25] EN
[54] **SUPERPLASTIC FORMING AND DIFFUSION BONDING PROCESS**
[54] **PROCEDE DE FORMATION SUPERPLASTIQUE ET DE LIAISON PAR DIFFUSION**
[72] GREENHALGH, ROBERT WILLIAM, GB
[72] PRICE, HOWARD JAMES, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-02-04
[86] 2018-08-10 (PCT/GB2018/052276)
[87] (WO2019/038516)
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[25] EN
[54] **DEPLOYING A LINER IN A WELLBORE**
[54] **DEPLOIEMENT D'UN REVETEMENT DANS UN PUITS DE FORAGE**
[72] FRASER, SCOTT, GB
[72] AFFLECK, MICHAEL, GB
[72] MOELLENDICK, TIMOTHY E., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[71] FRASER, SCOTT, GB
[85] 2020-02-03
[86] 2018-07-27 (PCT/US2018/044095)
[87] (WO2019/027830)
[30] US (62/540,168) 2017-08-02

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR DECOLONIZING ANTIBOTIC-RESISTANT BACTERIA IN THE GUT**
[54] **COMPOSITIONS ET PROCEDES DE DECOLONISATION DE BACTERIES RESISTANTES AUX ANTIBIOTIQUES DANS L'INTESTIN**
[72] SANTIAGO, MARINA, US
[72] ROELOFS, KEVIN, US
[71] FINCH THERAPEUTICS, INC., US
[85] 2020-02-03
[86] 2018-08-07 (PCT/US2018/045592)
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[30] US (62/542,033) 2017-08-07

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[25] EN
[54] **OCTENIDINE BASED COMPOUNDS**
[54] **COMPOSES A BASE D'OCTENIDINE**
[72] VYAS, JANMEJAY RAJNIKANT, IN
[72] PATEL, NILESH D., IN
[71] DISHMAN CARBOGEN AMCIS LTD., IN
[85] 2020-02-04
[86] 2018-08-21 (PCT/IB2018/056310)
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[51] **Int.Cl. B21D 53/78 (2006.01) B21D 26/055 (2011.01) B21D 26/059 (2011.01) B21D 47/00 (2006.01) B21D 53/92 (2006.01)**
[25] EN
[54] **SUPERPLASTIC FORMING AND DIFFUSION BONDING PROCESS**
[54] **PROCEDE DE FORMATION SUPERPLASTIQUE ET DE LIAISON PAR DIFFUSION**
[72] AINSWORTH, PAUL, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-02-04
[86] 2018-08-10 (PCT/GB2018/052277)
[87] (WO2019/038517)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR MAINTAINING AND RESTORING A HEALTHY GUT BARRIER**
[54] **COMPOSITIONS ET PROCEDES POUR LE MAINTIEN ET LA RESTAURATION D'UNE BARRIERE INTESTINALE SAINE**
[72] SANTIAGO, MARINA, US
[72] ROELOFS, KEVIN, US
[71] FINCH THERAPEUTICS, INC., US
[85] 2020-02-03
[86] 2018-08-07 (PCT/US2018/045593)
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[30] US (62/542,035) 2017-08-07

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[25] EN
[54] **SYSTEMS AND METHODS TO REGULATE DYNAMIC SETTINGS FOR ENGINE SPEED CONTROL MANAGEMENT**
[54] **SYSTEMES ET PROCEDES POUR REGULER DES REGLAGES DYNAMIQUES POUR UNE GESTION DE COMMANDE DE VITESSE DE MOTEUR**
[72] KLEIST, DYLAN SCOTT, US
[72] PEREZ, VICTOR LUIS, US
[72] SWART, CHARLES WAYNE REINHARDT, US
[71] PACCAR INC, US
[85] 2020-02-04
[86] 2018-08-03 (PCT/US2018/045209)
[87] (WO2019/028379)
[30] US (15/669,657) 2017-08-04

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[51] **Int.Cl. B60R 21/00 (2006.01) B60W 30/06 (2006.01) B62D 6/00 (2006.01)**
[25] EN
[54] **PARKING CONTROL METHOD AND PARKING CONTROL DEVICE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE STATIONNEMENT**
[72] SUZUKI, YASUHIRO, JP
[72] HAYAKAWA, YASUHISA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-02-04
[86] 2017-08-10 (PCT/JP2017/029211)
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[51] **Int.Cl. C07K 14/79 (2006.01) A61K 38/40 (2006.01) A61K 39/00 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **ENGINEERED TRANSFERRIN RECEPTOR BINDING POLYPEPTIDES**
[54] **POLYPEPTIDES DE LIAISON AU RECEPTEUR DE TRANSFERRINE MODIFIES**
[72] CHEN, XIAOCHENG, US
[72] DENNIS, MARK S., US
[72] KARIOLIS, MIHALIS, US
[72] SILVERMAN, ADAM P., US
[72] SRIVASTAVA, ANKITA, US
[72] WATTS, RYAN J., US
[72] WELLS, ROBERT C., US
[72] ZUCHERO, JOY YU, US
[71] DENALI THERAPEUTICS INC., US
[85] 2020-02-03
[86] 2018-08-10 (PCT/US2018/046199)
[87] (WO2019/032955)
[30] US (62/543,658) 2017-08-10
[30] US (62/583,314) 2017-11-08

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[51] **Int.Cl. B65G 47/14 (2006.01)**
[25] EN
[54] **ALIGNING AND FEEDING DEVICE**
[54] **DISPOSITIF D'ALIGNEMENT ET D'ALIMENTATION**
[72] KASAI, KENICHI, JP
[72] FUJITA, KENJI, JP
[71] QUALICAPS CO., LTD., JP
[85] 2020-02-04
[86] 2018-07-23 (PCT/JP2018/027490)
[87] (WO2019/035318)
[30] JP (2017-157401) 2017-08-17

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[51] **Int.Cl. B01D 59/44 (2006.01) B01D 59/48 (2006.01) G21B 1/05 (2006.01) G21G 1/12 (2006.01) H05H 1/10 (2006.01) H05H 1/16 (2006.01) H05H 1/46 (2006.01)**
[25] EN
[54] **LIGHT-NUCLEI ELEMENT SYNTHESIS**
[54] **SYNTHESE D'ELEMENTS A NOYAU LEGEER**
[72] ZUCKERMAN, MATTHEW M., US
[71] SEVEN Z'S TRUST, US
[85] 2020-02-03
[86] 2018-08-01 (PCT/US2018/044856)
[87] (WO2019/028167)
[30] US (62/539,910) 2017-08-01

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[51] **Int.Cl. C09D 11/322 (2014.01) B41J 2/01 (2006.01) B41M 5/00 (2006.01) D06P 1/54 (2006.01) D06P 5/30 (2006.01)**
[25] EN
[54] **INK-JET INK COMPOSITION FOR TEXTILE PRINTING**
[54] **COMPOSITION D'ENCRE POUR JET D'ENCRE DESTINEE A L'IMPRESSION TEXTILE**
[72] SATO, YOICHI, JP
[72] KONISHI, HIROYUKI, JP
[72] MINEGISHI, AYUMI, JP
[72] NODA, RYUTA, JP
[71] SAKATA INX CORPORATION, JP
[85] 2020-02-04
[86] 2018-08-01 (PCT/JP2018/028769)
[87] (WO2019/031321)
[30] JP (2017-152919) 2017-08-08

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[13] A1
[51] **Int.Cl. F42D 1/05 (2006.01)**
[25] EN
[54] **AUTOMATIC METHOD AND APPARATUS FOR LOGGING PREPROGRAMMED ELECTRONIC DETONATORS**
[54] **PROCEDE ET APPAREIL AUTOMATIQUES DE JOURNALISATION DE DETONATEURS ELECTRONIQUES PREPROGRAMMES**
[72] HOWE, LARRY S., US
[72] PAPILLON, BRYAN S., US
[72] KRIVANEK, PAVEL, US
[72] TEOWEE, GIMTONG, US
[71] AUSTIN STAR DETONATOR COMPANY, US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/044915)
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[30] US (62/541,164) 2017-08-04

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[51] **Int.Cl. A47L 5/00 (2006.01) A47L 5/36 (2006.01) F16J 3/04 (2006.01) F16L 11/08 (2006.01)**
[25] EN
[54] **FLEXIBLE HOSE WITH COMPACT STORAGE CONFIGURATION AND A CLEANING APPARATUS USING THE SAME**
[54] **TUYAU FLEXIBLE A CONFIGURATION DE RANGEMENT COMPACTE ET APPAREIL DE NETTOYAGE UTILISANT UN TEL TUYAU FLEXIBLE**
[72] THORNE, JASON B., US
[72] BROWN, ANDRE D., US
[72] INNES, DANIEL, US
[72] COTTRELL, LEE M., US
[72] UDY, ADAM, GB
[72] TONDERYS, DANIEL, US
[72] CLARE, DAVID,, GB
[72] XU, KAI, CN
[71] SHARKNINJA OPERATING LLC, US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/044994)
[87] (WO2019/028244)
[30] US (62/540,381) 2017-08-02

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[51] **Int.Cl. C09J 163/00 (2006.01) H01M 8/0202 (2016.01) H01M 8/0271 (2016.01) C09J 11/04 (2006.01) C09J 11/06 (2006.01) H01M 8/10 (2016.01)**
[25] EN
[54] **ONE-PACK TYPE ADHESIVE AND FUEL CELL SEPARATOR**
[54] **ADHESIF DE TYPE A EMBALLAGE UNIQUE ET SEPARATEUR DE PILE A COMBUSTIBLE**
[72] HORIUCHI, AYUMI, JP
[72] NAKAMURA, NORIMASA, JP
[71] NISSHINBO CHEMICAL INC., JP
[85] 2020-02-04
[86] 2018-08-09 (PCT/JP2018/029927)
[87] (WO2019/031585)
[30] JP (2017-154898) 2017-08-10

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[51] **Int.Cl. C07K 5/103 (2006.01) A61K 8/11 (2006.01) A61K 8/64 (2006.01) A61Q 19/00 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **MICROCAPSULE INCLUDING PEPTIDE HAVING CELL RECEPTOR BINDING AFFINITY AND COSMETIC COMPOSITION CONTAINING SAME**
[54] **MICROCAPSULE COMPRENANT UN PEPTIDE AYANT UNE AFFINITE DE LIAISON AU RECEPTEUR CELLULAIRE ET COMPOSITION COSMETIQUE LA CONTENANT**
[72] HAN, SANG KEUN, KR
[72] LEE, HYUN SOOK, KR
[72] KIM, EUN AH, KR
[72] HYUN, SEUNG MIN, KR
[72] CHOI, HYEONG, KR
[72] BAEK, SO YOON, KR
[72] HONG, JAE HWA, KR
[72] LIM, CHAE MI, KR
[72] BAK, DA JEONG, KR
[72] JO, HYE JIN, KR
[72] LEE, HAK SUNG, KR
[72] PARK, JI HUN, KR
[72] LEE, EUN YOUNG, KR
[71] KOLMAR KOREA CO., LTD., KR
[85] 2020-02-04
[86] 2018-01-19 (PCT/KR2018/000916)
[87] (WO2019/039676)
[30] KR (10-2017-0107511) 2017-08-24
[30] KR (10-2018-0006114) 2018-01-17

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[51] **Int.Cl. B01D 29/60 (2006.01) F04B 43/00 (2006.01) F04B 43/073 (2006.01) F04B 49/06 (2006.01) F04B 49/20 (2006.01)**
[25] EN
[54] **METHOD OF ACTUATION OF AN ALTERNATING TANGENTIAL FLOW DIAPHRAGM PUMP**
[54] **PROCEDE D'ACTIONNEMENT D'UNE POMPE A DIAPHRAGME A FLUX TANGENTIEL ALTERNATIF**
[72] PAVLIK, RUDOLF, US
[71] REPLIGEN CORPORATION, US
[85] 2020-02-03
[86] 2018-08-02 (PCT/US2018/045033)
[87] (WO2019/028267)
[30] US (62/541,023) 2017-08-03
[30] US (15/892,214) 2018-02-08

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[13] A1
[51] **Int.Cl. A61M 1/36 (2006.01) B01J 20/26 (2006.01) B01J 20/28 (2006.01)**
[25] EN
[54] **IMMUNOSUPPRESSIVE LEUKOCYTE ADSORPTION MATERIAL AND ADSORPTION COLUMN**
[54] **MATERIAU D'ADSORPTION DE LEUCOCYTES IMMUNOSUPPRESSEURS ET COLONNE D'ADSORPTION**
[72] UENO, YOSHIYUKI, JP
[72] KASUYA, JUNICHI, JP
[72] ARAKANE, TORU, JP
[72] MATSUNAGA, RYO, JP
[72] SEKIYA, YUMIKO, JP
[72] UEDA, YUJI, JP
[72] TERAMOTO, KAZUO, JP
[72] OGASAWARA, KAZUMASA, JP
[71] TORAY INDUSTRIES, INC., JP
[71] NATIONAL UNIVERSITY CORPORATION SHIGA UNIVERSITY OF MEDICAL SCIENCE, JP
[85] 2020-02-04
[86] 2018-09-07 (PCT/JP2018/033129)
[87] (WO2019/049962)
[30] JP (2017-173122) 2017-09-08

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[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01) G06K 7/14 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **MOBILE-OPTIMIZED FILE TRANSFER MECHANISM BASED ON QR CODE**
[54] **MECANISME DE TRANSFERT DE FICHIER OPTIMISE POUR DISPOSITIF MOBILE BASE SUR UN CODE QR**
[72] WU, HAO, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-02-04
[86] 2018-08-08 (PCT/US2018/045730)
[87] (WO2019/032655)
[30] US (15/674,169) 2017-08-10

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[13] A1
[51] **Int.Cl. B01F 1/00 (2006.01)**
[25] EN
[54] **SOLID CHEMISTRY ENCLOSURE WITH SAFETY LOCK FOR DISPENSING APPLICATIONS**
[54] **ENCEINTE DE CHIMIE SOLIDE AVEC VERROU DE SECURITE POUR DES APPLICATIONS DE DISTRIBUTION**
[72] SCHWARTZ, DANIEL RONALD, US
[72] DRAKE, RYAN JOSEPH, US
[71] ECOLAB USA INC., US
[85] 2020-02-03
[86] 2018-08-10 (PCT/US2018/046252)
[87] (WO2019/032985)
[30] US (62/544,413) 2017-08-11

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[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01)**
[25] EN
[54] **UNMANNED VEHICLE MANAGEMENT DEVICE, UNMANNED VEHICLE MANAGEMENT METHOD, AND MANAGEMENT SYSTEM**
[54] **DISPOSITIF ET PROCEDE DE GESTION DE VEHICULE SANS PILOTE ET SYSTEME DE GESTION**
[72] KOBASHI, YUJI, JP
[72] FUJI, HIROSHI, JP
[72] HIRANAKA, TAKASHI, JP
[71] KOMATSU LTD., JP
[85] 2020-02-04
[86] 2018-12-07 (PCT/JP2018/045145)
[87] (WO2019/150766)
[30] JP (2018-015936) 2018-01-31

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[13] A1
[51] **Int.Cl. G01S 7/41 (2006.01) G01S 13/86 (2006.01)**
[25] EN
[54] **GUIDEWAY MOUNTED VEHICLE LOCALIZATION AND ALIGNMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE LOCALISATION ET D'ALIGNEMENT DE VEHICULE MONTE SUR UNE VOIE DE GUIDAGE**
[72] GREEN, ALON, CA
[72] KINIO, WALTER, CA
[72] TIMMERMANS, PETER, CA
[71] THALES CANADA INC., CA
[85] 2020-02-04
[86] 2018-09-27 (PCT/IB2018/057474)
[87] (WO2019/064209)
[30] US (62/564,212) 2017-09-27
[30] US (16/143,035) 2018-09-26

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 25/28 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **AFFINITY-BASED METHODS FOR USING TRANSFERRIN RECEPTOR-BINDING PROTEINS**
[54] **PROCEDES BASES SUR L'AFFINITE POUR UTILISER DES PROTEINES DE LIAISON AU RECEPTEUR DE TRANSFERRINE**
[72] DENNIS, MARK S., US
[72] GETZ, JENNIFER, US
[72] SILVERMAN, ADAM P., US
[72] WELLS, ROBERT C., US
[72] ZUCHERO, JOY YU, US
[72] KARIOLIS, MIHALIS, US
[71] DENALI THERAPEUTICS INC., US
[85] 2020-02-03
[86] 2018-08-10 (PCT/US2018/046337)
[87] (WO2019/033046)
[30] US (62/543,658) 2017-08-10
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[51] **Int.Cl. G16B 20/00 (2019.01) C12Q 1/6834 (2018.01) G16B 40/00 (2019.01)**
[25] EN
[54] **METHOD FOR DETECTING VARIATION IN NUCLEOTIDE SEQUENCE ON BASIS OF GENE PANEL AND DEVICE FOR DETECTING VARIATION IN NUCLEOTIDE SEQUENCE USING SAME**
[54] **PROCEDE DE DETECTION D'UNE VARIATION DANS UNE SEQUENCE DE NUCLEOTIDES SUR LA BASE D'UNE BATTERIE DE GENES ET DISPOSITIF DE DETECTION D'UNE VARIATION DANS UNE SEQUENCE DE NUCLEOTIDES L'UTILISANT**
[72] KIM, SANGWOO, KR
[72] KIM, JUNHO, KR
[71] YONSEI UNIVERSITY, UNIVERSITY - INDUSTRY FOUNDATION (UIF), KR
[85] 2020-02-04
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[30] KR (10-2017-0099822) 2017-08-07

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[51] **Int.Cl. G01B 17/02 (2006.01) G01N 17/00 (2006.01) G01N 29/07 (2006.01)**
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[54] **CORROSION RATE MONITORING USING ULTRASOUND, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **SURVEILLANCE D'UNE VITESSE DE CORROSION A L'AIDE D'ULTRASONS, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] MINACHI, ALI, US
[71] QUEST INTEGRATED, LLC, US
[85] 2020-02-03
[86] 2018-08-14 (PCT/US2018/046677)
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[51] **Int.Cl. A61K 31/34 (2006.01) A61K 9/24 (2006.01) A61K 9/28 (2006.01) A61K 31/135 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING ACUTE AND CHRONIC PAIN, CONTAINING POLMACOXIB AND TRAMADOL**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT DES DOULEURS AIGUES ET CHRONIQUES, CONTENANT DU POLMACOXIB ET DU TRAMADOL**
[72] CHO, JAE PYOUNG, KR
[72] PARK, HYUNJIN, KR
[72] CHO, JOONG MYUNG, KR
[71] CRYSTALGENOMICS, INC., KR
[85] 2020-02-04
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[25] EN
[54] **SYSTEMS AND METHODS FOR APPLYING MATERIALS TO MEDICAL DEVICES**
[54] **SYSTEMES ET PROCEDES POUR L'APPLICATION DE MATERIAUX SUR DES DISPOSITIFS MEDICAUX**
[72] KO, MICHAEL J., US
[72] LOWERY, GUY RUSSELL, US
[71] ECOM MEDICAL, INC., US
[85] 2020-02-03
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[51] **Int.Cl. G06T 7/292 (2017.01)**
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[54] **SUBJECT IDENTIFICATION AND TRACKING USING IMAGE RECOGNITION**
[54] **IDENTIFICATION ET SUIVI DE SUJET A L'AIDE D'UNE RECONNAISSANCE D'IMAGE**
[72] FISHER, JORDAN, US
[72] VALDMAN, DAVID, US
[72] NOVAK, JOHN F., US
[72] OGLE, BRANDON L., US
[71] STANDARD COGNITION, CORP., US
[85] 2020-02-04
[86] 2018-07-26 (PCT/US2018/043933)
[87] (WO2019/032304)
[30] US (62/542,077) 2017-08-07
[30] US (15/847,796) 2017-12-19
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[51] **Int.Cl. C07K 16/40 (2006.01) C12N 15/113 (2010.01) C12Q 1/26 (2006.01)**
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[54] **COMPOUNDS, COMPOSITIONS AND METHODS**
[54] **COMPOSES, COMPOSITIONS ET PROCEDES**
[72] CRAIG, ROBERT A., II, US
[72] ESTRADA, ANTHONY A., US
[72] FENG, JIANWEN A., US
[72] LEXA, KATRINA W., US
[72] OSIPOV, MAKSIM, US
[72] SWEENEY, ZACHARY K., US
[72] DE VICENTE FIDALGO, JAVIER, US
[71] DENALI THERAPEUTICS INC., US
[85] 2020-02-03
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[25] EN
[54] **PREDICTING INVENTORY EVENTS USING SEMANTIC DIFFING**
[54] **PREDICTION D'EVENEMENTS D'INVENTAIRE A L'AIDE D'UNE DIFFERENCIATION SEMANTIQUE**
[72] FISHER, JORDAN E., US
[72] FISCHETTI, DANIEL L., US
[72] OGLE, BRANDON L., US
[72] NOVAK, JOHN F., US
[72] DORMAN, KYLE E., US
[72] KIHARA, KENNETH S., US
[72] LASHERAS, JUAN C., US
[71] STANDARD COGNITION, CORP., US
[85] 2020-02-04
[86] 2018-07-26 (PCT/US2018/043937)
[87] (WO2019/032306)
[30] US (62/542,077) 2017-08-07
[30] US (15/847,796) 2017-12-19
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[30] US (15/945,466) 2018-04-04
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[25] EN
[54] **RECHARGEABLE BATTERY JUMP STARTING DEVICE WITH A DUAL BATTERY DIODE BRIDGE SYSTEM**
[54] **DISPOSITIF DE DEMARRAGE PAR CABLES DE SECOURS A BATTERIE RECHARGEABLE DOTE D'UN SYSTEME DE PONT A DIODE DE BATTERIE DOUBLE**
[72] NOOK, JONATHAN LEWIS, US
[72] NOOK, WILLIAM KNIGHT, US
[72] STANFIELD, JAMES RICHARD, US
[72] UNDERHILL, DEREK MICHAEL, US
[71] THE NOCO COMPANY, US
[85] 2020-02-03
[86] 2018-09-19 (PCT/US2018/051655)
[87] (WO2019/060359)
[30] US (62/561,850) 2017-09-22
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[30] US (62/569,243) 2017-10-06
[30] US (62/569,355) 2017-10-06
[30] US (62/568,967) 2017-10-06
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[51] **Int.Cl. A01N 1/02 (2006.01) C12N 5/071 (2010.01) A61K 38/57 (2006.01) A61P 43/00 (2006.01) C07K 14/81 (2006.01)**
[25] EN
[54] **PERFUSION COMPOSITIONS AND METHODS OF USING ALPHA-1 ANTI-TRYPSIN IN EX VIVO ORGAN PERFUSION**
[54] **COMPOSITIONS DE PERFUSION ET PROCEDES D'UTILISATION DE L'ALPHA -1 ANTI-TRYPSINE EN PERFUSION D'ORGANES EX VIVO**
[72] LIU, MINGYAO, CA
[72] KESHAVJEE, SHAF, CA
[72] BERGER, MELVIN, US
[71] CSL BEHRING LLC, US
[85] 2020-02-04
[86] 2017-08-28 (PCT/US2017/048931)
[87] (WO2019/040085)
[30] US (62/550,333) 2017-08-25

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[51] **Int.Cl. G06T 7/292 (2017.01) G06T 7/246 (2017.01) H04N 13/211 (2018.01) H04N 13/243 (2018.01) G06K 9/00 (2006.01) G06K 9/20 (2006.01)**
[25] EN
[54] **PREDICTING INVENTORY EVENTS USING FOREGROUND/BACKGROUND PROCESSING**
[54] **PREDICTION D'EVENEMENTS D'INVENTAIRE AU MOYEN D'UN TRAITEMENT D'AVANT-PLAN/ARRIERE-PLAN**
[72] FISHER, JORDAN E., US
[72] FISCHETTI, DANIEL L., US
[72] OGLE, BRANDON L., US
[72] NOVAK, JOHN F., US
[72] DORMAN, KYLE E., US
[72] KIHARA, KENNETH S., US
[72] LASHERAS, JUAN C., US
[71] STANDARD COGNITION, CORP., US
[85] 2020-02-04
[86] 2018-07-26 (PCT/US2018/043939)
[87] (WO2019/032307)
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[51] **Int.Cl. G06T 7/292 (2017.01) G06T 7/246 (2017.01) H04N 13/211 (2018.01) H04N 13/243 (2018.01) G06K 9/00 (2006.01) G06K 9/20 (2006.01)**
[25] EN
[54] **ITEM PUT AND TAKE DETECTION USING IMAGE RECOGNITION**
[54] **DETECTION DE MISE EN PLACE ET ENLEVEMENT D'ARTICLE A L'AIDE D'UNE RECONNAISSANCE D'IMAGE**
[72] FISHER, JORDAN E., US
[72] FISCHETTI, DANIEL L., US
[72] OGLE, BRANDON L., US
[72] NOVAK, JOHN F., US
[72] DORMAN, KYLE E., US
[72] KIHARA, KENNETH S., US
[72] LASHERAS, JUAN C., US
[71] STANDARD COGNITION, CORP., US
[85] 2020-02-04
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[87] (WO2019/032305)
[30] US (62/542,077) 2017-08-07
[30] US (15/847,796) 2017-12-19
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[51] **Int.Cl. H04L 25/02 (2006.01) H04B 1/10 (2006.01) H04B 7/185 (2006.01) H04L 25/03 (2006.01) H04L 27/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INTERFERENCE REDUCTION IN RADIO COMMUNICATIONS**
[54] **SYSTEME ET PROCEDE POUR REDUIRE LES INTERFERENCES DANS DES COMMUNICATIONS RADIO**
[72] PEARCE, STEPHEN, US
[72] POTTER, ROBERT, US
[71] KRATOS INTEGRAL HOLDINGS, LLC, US
[85] 2020-02-04
[86] 2018-07-30 (PCT/US2018/044321)
[87] (WO2019/032321)
[30] US (15/670,996) 2017-08-07

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[51] **Int.Cl. C08L 23/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BROMINATED POLYMERIC FLAME RETARDANT**
[54] **COMPOSITIONS COMPRENANT UN IGNIFUGE POLYMERE BROME**
[72] MUNDRA, MANISH K., US
[72] CHAUDHARY, BHARAT I., US
[72] SCHEID JR., ROBERT EMMETT, US
[72] GHOSH-DASTIDAR, ABHIJIT, US
[72] DREUX, PETER C., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-02-04
[86] 2018-07-31 (PCT/US2018/044535)
[87] (WO2019/032335)
[30] US (62/543,558) 2017-08-10

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[13] A1
[51] **Int.Cl. H02J 7/04 (2006.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **DEVICE WITH BATTERY CHARGER SYSTEM AND ENGINE START SYSTEM FORMED FROM HIGH FREQUENCY TRANSFORMERS**
[54] **DISPOSITIF DOTE D'UN SYSTEME CHARGEUR DE BATTERIE ET SYSTEME DE DEMARRAGE DE MOTEUR FORME A PARTIR DE TRANSFORMATEURS A HAUTE FREQUENCE**
[72] GORDON, LAWRENCE W., US
[72] SAELZER, MAX W., US
[71] DELTRAN OPERATIONS USA, INC., US
[85] 2020-02-04
[86] 2018-08-02 (PCT/US2018/044920)
[87] (WO2019/028203)
[30] US (15/669,221) 2017-08-04

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[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/17 (2006.01) A61B 17/72 (2006.01) A61F 2/28 (2006.01) A61F 2/30 (2006.01) A61F 2/32 (2006.01) A61F 2/34 (2006.01) A61F 2/36 (2006.01) A61F 2/38 (2006.01) A61F 2/60 (2006.01) A61F 2/78 (2006.01)**
[25] EN
[54] **ORTHOPAEDIC FIXATION ASSEMBLY, SYSTEM, AND METHOD OF USE**
[54] **ENSEMBLE DE FIXATION ORTHOPEDIQUE, SYSTEME ET PROCEDE D'UTILISATION**
[72] FORSBERG, JONATHAN A., US
[71] THE SOLSIDAN GROUP, LLC, US
[85] 2020-02-04
[86] 2018-08-02 (PCT/US2018/044946)
[87] (WO2019/032362)
[30] US (62/541,896) 2017-08-07
[30] US (16/051,732) 2018-08-01

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[51] **Int.Cl. H02J 7/04 (2006.01) H02J 7/02 (2016.01) H02J 7/34 (2006.01)**
[25] EN
[54] **POWER MANAGEMENT SYSTEM FOR BATTERY-POWERED AUDIO DEVICE**
[54] **SYSTEME DE GESTION DE COURANT DESTINE A UN DISPOSITIF AUDIO ALIMENTE PAR BATTERIE**
[72] MASON, ANDREW JOHN, CA
[71] THX LTD., US
[85] 2020-02-04
[86] 2018-08-02 (PCT/US2018/045060)
[87] (WO2019/032380)
[30] US (62/542,179) 2017-08-07

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[51] **Int.Cl. C03C 17/34 (2006.01) C03C 17/36 (2006.01)**
[25] EN
[54] **PROTECTIVE LAYER OVER A FUNCTIONAL COATING**
[54] **COUCHE PROTECTRICE SUR UN REVETEMENT FONCTIONNEL**
[72] GANJOO, ASHTOSH, US
[72] NARANAYAN, SUDARSHAN, US
[72] FINLEY, JAMES J., US
[71] VITRO FLAT GLASS LLC, US
[85] 2020-02-04
[86] 2018-08-02 (PCT/US2018/045074)
[87] (WO2019/028296)
[30] US (15/669,414) 2017-08-04

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[51] **Int.Cl. G06Q 10/02 (2012.01) G06Q 10/04 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **PARKING MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE STATIONNEMENT**
[72] ORNSTEIN, JONATHAN, US
[72] ORNSTEIN, JESSICA, US
[72] RATHOD, NISHIT, US
[71] BLITZIT, INC., US
[85] 2020-02-04
[86] 2018-08-03 (PCT/US2018/045078)
[87] (WO2019/028300)
[30] US (62/540,649) 2017-08-03

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[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 41/00 (2006.01) F04B 15/02 (2006.01) F04B 17/03 (2006.01) F04B 47/06 (2006.01) F04D 7/04 (2006.01) F04D 13/08 (2006.01)**
[25] EN
[54] **SEAL BLADDER BONDING SLEEVES FOR SUBMERSIBLE WELL PUMP ASSEMBLY**
[54] **MANCHONS DE LIAISON DE VESSIE D'ETANCHEITE POUR ENSEMBLE POMPE DE PUITS SUBMERSIBLE**
[72] MCMANUS, DAVID FARNSWORTH, US
[72] MEYER, ARON, US
[72] SEMPLE, RYAN, US
[72] THOMPSON, JOSEPH SCOTT, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-02-04
[86] 2018-06-15 (PCT/US2018/037752)
[87] (WO2019/027579)
[30] US (62/541,546) 2017-08-04
[30] US (15/973,699) 2018-05-08

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[51] **Int.Cl. E21B 33/035 (2006.01) E21B 43/01 (2006.01)**
[25] EN
[54] **METHOD FOR MONITORING QUALITY ASSURANCE OF CHEMICALS IN SUBSEA UMBILICAL SYSTEMS TO AVOID BLOCKAGE**
[54] **PROCEDE PERMETTANT DE SURVEILLER L'ASSURANCE DE QUALITE DE PRODUITS CHIMIQUES DANS DES SYSTEMES OMBILICAUX SOUS-MARINS AFIN D'EVITER UN BLOCAGE**
[72] JENNINGS, DAVID WAYNE, US
[72] STEAD, PAUL ROBERT, US
[72] DEIGHTON, MICHAEL J., US
[72] RAMACHANDRAN, SUNDER, US
[72] IONESCU, TUDOR C., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-02-04
[86] 2018-08-03 (PCT/US2018/045127)
[87] (WO2019/032392)
[30] US (62/543,629) 2017-08-10
[30] US (16/053,087) 2018-08-02

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) F02N 11/12 (2006.01) H02J 7/02 (2016.01) H02J 7/32 (2006.01)**
[25] EN
[54] **RECHARGEABLE BATTERY JUMP STARTING DEVICE AND BATTERY FRAME**
[54] **DISPOSITIF DE DEMARRAGE DE RECHARGE DE BATTERIE RECHARGEABLE ET CADRE DE BATTERIE**
[72] NOOK, JONATHAN LEWIS, US
[72] NOOK, WILLIAM KNIGHT, US
[72] STANFIELD, JAMES RICHARD, US
[72] UNDERHILL, DEREK MICHAEL, US
[71] THE NOCO COMPANY, US
[85] 2020-02-04
[86] 2018-07-17 (PCT/US2018/042474)
[87] (WO2019/060027)
[30] US (62/561,850) 2017-09-22
[30] US (62/561,751) 2017-09-22
[30] US (62/567,479) 2017-10-03
[30] US (62/568,044) 2017-10-04
[30] US (62/568,967) 2017-10-06
[30] US (62/569,243) 2017-10-06
[30] US (29/621,403) 2017-10-06
[30] US (62/569,355) 2017-10-06
[30] US (62/562,713) 2017-09-25
[30] US (62/568,537) 2017-10-05

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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **SYSTEMS, METHODS AND PROGRAMMED PRODUCTS FOR DYNAMICALLY TRACKING DELIVERY AND PERFORMANCE OF DIGITAL ADVERTISEMENTS IN ELECTRONIC DIGITAL DISPLAYS**
[54] **SYSTEMES, PROCEDES ET PRODUITS PROGRAMMES PERMETTANT DE SUIVRE DE MANIERE DYNAMIQUE UNE DISTRIBUTION ET DES PERFORMANCES DE PUBLICITES NUMERIQUES DANS DES AFFICHAGES NUMERIQUES ELECTRONIQUES**
[72] BUCHALTER, YEHUDA ARI, US
[72] SHARMA, KSHITIJ, US
[72] SHAO, JASON, US
[72] MASLYN, WILLIAM T., US
[72] SHRIRAM, NITIN, US
[71] INTERSECTION PARENT, INC., AF
[85] 2020-02-04
[86] 2018-08-03 (PCT/US2018/045251)
[87] (WO2019/028413)
[30] US (62/541,313) 2017-08-04
[30] US (16/054,516) 2018-08-03

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[13] A1
[51] **Int.Cl. C04B 14/48 (2006.01) C04B 16/06 (2006.01) C04B 24/24 (2006.01)**
[25] EN
[54] **HEXAGONAL BORON NITRIDE/CEMENT/POLYMER COMPOSITES AND METHODS OF SYNTHESIS**
[54] **COMPOSITES DE NITRURE DE BORE HEXAGONAL /CIMENT /POLYMERE ET PROCEDES DE SYNTHESE**
[72] SHAHSAVARI, ROUZBEH, US
[72] BHATT, MAHESH, US
[71] C-CRETE TECHNOLOGIES, LLC, US
[85] 2020-02-04
[86] 2018-08-06 (PCT/US2018/045440)
[87] (WO2019/028476)
[30] US (62/541,417) 2017-08-04

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[51] **Int.Cl. A61K 31/711 (2006.01) C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDE COMPOSITIONS AND METHODS THEREOF**
[54] **COMPOSITIONS OLIGONUCLEOTIDIQUES ET METHODES ASSOCIEES**
[72] VARGEESE, CHANDRA, US
[72] ZHONG, ZHONG, US
[72] IWAMOTO, NAOKI, US
[72] ZHANG, JASON JINGXIN, US
[72] DODART, JEAN-COSME, US
[72] LIU, YUANJING, US
[72] KANDASAMY, PACHAMUTHU, US
[72] DIVAKARAMENON, SETHUMADHAVAN, US
[72] LU, GENLIANG, US
[72] MARAPPAN, SUBRAMANIAN, US
[71] WAFE LIFE SCIENCES LTD., SG
[85] 2020-02-04
[86] 2018-08-07 (PCT/US2018/045659)
[87] (WO2019/032612)
[30] US (62/542,778) 2017-08-08

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[13] A1
[51] **Int.Cl. G01N 29/036 (2006.01)**
[25] EN
[54] **METHOD FOR MONITORING DEPOSITION IN WELLS, FLOWLINES, PROCESSING EQUIPMENT AND LABORATORY TESTING APPARATUS**
[54] **PROCEDE DE SURVEILLANCE DES DEPOTS DANS LES PUITS, CONDUITES D'ECOULEMENT, EQUIPEMENTS D'EXPLOITATION ET APPAREILS DE TEST EN LABORATOIRE**
[72] JENNINGS, DAVID WAYNE, US
[72] DEIGHTON, MICHAEL J., US
[72] OCHOA, BRIAN B., DE
[72] IONESCU, TUDOR C., US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-02-04
[86] 2018-08-03 (PCT/US2018/045140)
[87] (WO2019/032394)
[30] US (62/543,617) 2017-08-10
[30] US (16/052,993) 2018-08-02

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[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR A MONITORING DRONE**
[54] **SYSTEME, PROCEDE ET APPAREIL S'APPLIQUANT A UN DRONE DE SURVEILLANCE**
[72] HOWARD, STEPHEN, US
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[54] **VARIANTS DE GLUCOAMYLASE**
[72] AEHLE, WOLGANG, US
[72] BOTT, RICHARD R., US
[72] NIKOLAEV, IGOR, US
[72] SCHEFFERS, MARTIJIN, US
[72] VAN SOLINGEN, PIET, US
[72] VROEMEN, CASPER, US
[71] DANISCO US INC., US
[22] 2008-04-08
[41] 2009-04-16
[62] 2,948,231
[30] US (PCT/US2007/021683) 2007-10-09

[21] **3,069,425**
[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C12N 15/13 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **OPTIMIZED FC VARIANTS**
[54] **VARIANTS FC OPTIMISES**
[72] BEHRENS, CHRISTIAN, FR
[72] JORIEUX, SYLVIE, FR
[72] KHARRAT, ABDELHAKIM, FR
[72] BOUAYADI, KHALIL, FR
[72] MONDON, PHILIPPE, FR
[72] MONNET-MARS, CELINE, FR
[71] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR
[22] 2010-03-19
[41] 2010-09-23
[62] 2,995,516
[30] EP (09305250.4) 2009-03-20

[21] **3,069,427**
[13] A1
[25] EN
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[54] **EVENEMENT DP-073496-4 DE BRASSICA GAT ET COMPOSITIONS ET PROCEDES POUR L'IDENTIFIER ET/OU LE DETECTER**
[72] CHARNE, DAVID GEORGE, CA
[72] CHEN, WENPIN, CA
[72] KOSCIELNY, CHADWICK BRUCE, CA
[72] PATEL, JAYANTILAL DEVABHAI, CA
[72] THOONEN, FERDINAND GERARD, CA
[72] TULSIERAM, LOMAS, CA
[72] ZHANG, YONGPING, CA
[72] LI, ZHONGSEN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[71] E. I. DU PONT DE NEMOURS AND COMPANY, US
[22] 2010-11-24
[41] 2012-05-31
[62] 2,995,972

[21] **3,069,431**
[13] A1
[51] **Int.Cl. C12N 1/19 (2006.01) A61K 38/17 (2006.01) A61K 38/47 (2006.01) A61P 3/00 (2006.01) C12N 9/24 (2006.01) C12N 15/56 (2006.01) C12N 15/81 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **GLYCOSYLATION OF MOLECULES**
[54] **GLYCOSYLATION DE MOLECULES**
[72] CALLEWAERT, NICO LUC MARC, BE
[72] VERVECKEN, WOUTER, BE
[72] MARCEL DE POURCQ, KAREN JACQUELINE, BE
[72] GEYSENS, STEVEN CHRISTIAN JOZEF, BE
[72] GUERFAL, MOUNA, BE
[71] OXYRANE UK LIMITED, GB
[71] VIB VZM, BE
[71] UNIVERSITEIT GENT, BE
[22] 2008-04-03
[41] 2008-10-09
[62] 2,887,752
[30] US (60/909,904) 2007-04-03
[30] US (60/940,212) 2007-05-25

[21] **3,069,476**
[13] A1
[51] **Int.Cl. F04B 17/04 (2006.01) A61H 9/00 (2006.01) A61H 19/00 (2006.01) A61H 21/00 (2006.01) H01F 5/00 (2006.01) H01F 7/02 (2006.01)**
[25] EN
[54] **FLUIDIC METHODS AND DEVICES**
[54] **PROCEDES ET DISPOSITIFS FLUIDIQUES**
[72] MURISON, BRUCE, CA
[71] OBOTICS INC., CA
[22] 2013-09-26
[41] 2014-04-03
[62] 2,975,661
[30] US (61/705,809) 2012-09-26

[21] **3,069,576**
[13] A1
[51] **Int.Cl. G02B 1/18 (2015.01) G02B 1/00 (2006.01) G02C 7/04 (2006.01)**
[25] EN
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[54] **COMPOSITIONS THERAPEUTIQUES UTILISEES POUR LE TRAITEMENT DES AFFECTIONS INFLAMMATOIRES OCULAIRES**
[72] DANA, REZA, US
[72] CHAUHAN, SUNIL, US
[71] THE SCHEPENS EYE RESEARCH INSTITUTE, INC., US
[22] 2009-01-09
[41] 2009-07-16
[62] 2,711,696
[30] US (61/010,566) 2008-01-09

[21] **3,069,654**
[13] A1
[51] **Int.Cl. A61H 19/00 (2006.01) A61H 23/02 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR FEMALE THERAPEUTIC MASSAGE**
[54] **PROCEDE ET DISPOSITIF DE MASSAGE THERAPEUTIQUE POUR FEMME**
[72] MCGOUGH, PAUL STEPHEN, US
[71] MCGOUGH, PAUL STEPHEN, US
[22] 2011-01-31
[41] 2011-08-04
[62] 2,787,092
[30] US (61/295,683) 2010-02-01
[30] US (13/017,025) 2011-01-30

[21] **3,069,661**
[13] A1
[51] **Int.Cl. G10L 19/135 (2013.01) G10L 19/26 (2013.01) G10L 19/12 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MIXED CODEBOOK EXCITATION FOR SPEECH CODING**
[54] **SYSTEME ET PROCEDE POUR L'EXCITATION D'UN GUIDE MIXTE DE CODIFICATION POUR CODAGE DE LA PAROLE**
[72] GAO, YANG, US
[71] HUAWEI TECHNOLOGIES CO. LTD., CN
[22] 2013-07-29
[41] 2014-08-21
[62] 2,864,247
[30] US (13/768,814) 2013-02-15

[21] **3,069,685**
[13] A1
[51] **Int.Cl. H04N 21/61 (2011.01) H04J 11/00 (2006.01) H04L 1/00 (2006.01)**
[25] EN
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[72] BAEK, JONGSEOB, KR
[72] KO, WOOSUK, KR
[72] HONG, SUNGRYONG, KR
[71] LG ELECTRONIC INC., KR
[22] 2015-07-07
[41] 2016-07-14
[62] 2,973,073
[30] US (62/099,594) 2015-01-05

[21] **3,069,698**
[13] A1
[25] EN
[54] **BELOW SLAB GAS REMOVAL AND SUMP SYSTEM**
[54] **SYSTEME D'EXTRACTION ET DE POMPAGE DE GAZ EN SOUS PLAQUE**
[72] ELMS, TREVOR R., CA
[71] ELMS, TREVOR R., CA
[22] 2016-06-08
[41] 2018-10-19
[62] 3,014,964
[30] CA (2894037) 2015-06-08
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[21] **3,069,716**
[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE WITH VACUUM ASSISTED SECUREMENT AND/OR FEEDBACK**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT A SECURISATION ASSISTEE PAR DEPRESSION ET/OU RETOUR D'INFORMATIONS**
[72] MCCULLOUGH, ADAM B., US
[72] RING, LAWRENCE S., US
[71] AMGEN INC., US
[22] 2016-02-17
[41] 2016-08-25
[62] 2,976,935
[30] US (62/117,420) 2015-02-17

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[21] **3,069,744**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61F 2/958 (2013.01) A61F 2/24 (2006.01) A61M 25/01 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **STABILITY DEVICE FOR USE WITH PERCUTANEOUS DELIVERY SYSTEMS**
[54] **DISPOSITIF DE STABILITE A UTILISER AVEC SYSTEMES DE POSE PAR VOIE PERCUTANEE**
[72] MADRID, GILBERT, US
[72] WINSTON, MATTHEW T., US
[72] SOK, SAM, US
[72] LE, CHRIS THANH LE, US
[72] TRAN, TRI D., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2012-02-10
[41] 2012-08-16
[62] 2,826,779
[30] US (61/442,044) 2011-02-11
[30] US (13/370,215) 2012-02-09

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[21] **3,069,819**
[13] A1
[51] **Int.Cl. C40B 30/04 (2006.01) C40B 40/04 (2006.01) C40B 40/10 (2006.01) C40B 50/14 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **HYBRID CYCLIC LIBRARIES AND SCREENS THEREOF**
[54] **BIBLIOTHEQUES CYCLIQUES HYBRIDES ET ECRANS DE CES BIBLIOTHEQUES**
[72] LIU, JUN O., US
[72] WANG, JINGXIN, US
[72] BHAT, SHRIDHAR, US
[72] GUO, ZUFENG, US
[72] DAS, MANISHA, US
[72] LI, WEI, CN
[71] THE JOHNS HOPKINS UNIVERSITY, US
[22] 2011-11-29
[41] 2012-06-07
[62] 2,819,501
[30] US (61/418,038) 2010-11-30

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[21] **3,069,856**
[13] A1
[51] **Int.Cl. C08G 77/58 (2006.01) C08K 3/22 (2006.01) C08L 83/14 (2006.01)**
[25] EN
[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
[72] NOWAK, ANDREW P., US
[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[71] THE BOEING COMPANY, US
[22] 2015-07-02
[41] 2016-01-11
[62] 3,050,429
[30] US (14/329,885) 2014-07-11

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[21] **3,069,899**
[13] A1
[25] EN
[54] **IMPROVEMENTS IN SENSORS**
[54] **PERFECTIONNEMENTS APPORTES A DES DETECTEURS**
[72] PEYTON, ANTHONY JOSEPH, GB
[72] YIN, WULIANG, GB
[72] DICKINSON, STEPHEN JOHN, GB
[71] THE UNIVERSITY OF MANCHESTER, GB
[22] 2012-04-27
[41] 2012-11-01
[62] 2,871,131
[30] GB (1107064.6) 2011-04-27

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[21] **3,069,912**
[13] A1
[51] **Int.Cl. C08G 77/44 (2006.01) C08K 3/22 (2006.01) C08L 83/10 (2006.01)**
[25] EN
[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
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[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[71] THE BOEING COMPANY, US
[22] 2015-07-02
[41] 2016-01-11
[62] 3,050,429
[30] US (14/329,885) 2014-07-11

[21] **3,069,946**
[13] A1
[51] **Int.Cl. C12Q 1/70 (2006.01) C12N 7/01 (2006.01) C12N 15/864 (2006.01) C12Q 1/00 (2006.01) C12Q 1/68 (2018.01) C40B 30/00 (2006.01) C40B 40/02 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS VIRIONS WITH VARIANT CAPSID AND METHODS OF USE THEREOF**
[54] **VIRIONS DE VIRUS ADENO-ASSOCIE AVEC CAPSIDE VARIANT ET PROCEDES D'UTILISATION DE CEUX-CI**
[72] SCHAFFER, DAVID V., US
[72] KLIMCZAK, RYAN R., US
[72] KOERBER, JAMES T., US
[72] FLANNERY, JOHN G., US
[72] VISEL, MEIKE, US
[72] BYRNE, LEAH C. T., US
[72] DALKARA MOUROT, DENIZ, FR
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[22] 2012-04-20
[41] 2012-10-26
[62] 2,833,870
[30] US (61/478,355) 2011-04-22

[21] **3,070,189**
[13] A1
[25] EN
[54] **PRESSURE COMPENSATING BASES FOR POLYMERIC CONTAINERS**
[54] **BASES DE COMPENSATION DE PRESSION POUR RECIPIENTS POLYMERES**
[72] EVINS, SAMUEL E., US
[72] SCHNEIDER, MARK D., US
[72] SILVERS, KERRY W., US
[72] VOGEL, MATT, US
[71] GRAHAM PACKAGING PET TECHNOLOGIES INC., US
[22] 2011-02-17
[41] 2011-08-25
[62] 2,975,925
[30] US (12/709,302) 2010-02-19

[21] **3,070,307**
[13] A1
[51] **Int.Cl. A61C 17/36 (2006.01) H02J 50/10 (2016.01) A46B 13/04 (2006.01) A61C 17/34 (2006.01) H02J 7/00 (2006.01) H04W 84/18 (2009.01) G08C 23/04 (2006.01)**
[25] EN
[54] **BRUSH TIP WITH MOTION TRANSFER AND SECURING ENGAGEMENT STRUCTURES**
[54]
[72] SOKOL, GARY L., US
[72] LUETTGEN, HAROLD A., US
[71] WATER PIK, INC., US
[22] 2014-03-17
[41] 2014-09-18
[62] 2,961,896
[30] US (61/802,121) 2013-03-15

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CANNAS, ANDREA 3,071,551
CANNTRUST INC. 3,071,897
CAPSTAN AG SYSTEMS, INC. 3,071,361
CARDIOVALVE LTD. 3,071,090
CARDIOVALVE LTD. 3,071,598
CARGILL, INCORPORATED 3,071,110
CARGILL, INCORPORATED 3,071,526
CARLSON, RICHARD C. 3,071,985
CARON, KARINE 3,071,994
CARPENTER III, JOHN REEVES 3,071,428
CARPENTER, SCOTT LEE 3,072,022
CARPENTER, TAYLOR J. 3,072,084
CARR, ROY SEIZO 3,071,284
CARRIER CORPORATION 3,054,793
CARRILLO ARREGUI, JOKIN 3,071,150
CARSON, RICHARD F. 3,071,264
CARTER JR., JEFFREY J. 3,071,517
CARTER, TODD 3,071,978
CARTY, DANIEL E. 3,071,355
CARVEN, GREGORY J. 3,071,427
CASADEI, VALERIO 3,071,514
CASASOLA, MAURIZIO 3,071,729
CASEY, JAMES 3,071,221
CASSELLLIE LTD 3,071,221
CASTONGUAY, BERTIN 3,071,198
CASUCCI, DANIELE 3,069,911
CATERPILLAR INC. 3,071,158
CATERPILLAR INC. 3,071,517
CAVALLO, PAM A. 3,071,256
CEDERQUIST, GUSTAV 3,071,454
CEGLINSKI, JARRETT R. 3,071,117
CELLULOSE INSULATION PRODUCTION SCANDINAVIA CPS AB 3,071,388
CEMERSKI, SASO 3,071,537
CEMERSKI, SASO 3,071,538
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,070,777
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE 3,071,704
CERCONE, LAWRENCE 3,071,614
CERN CORP. 3,071,433
CEULEMANS, RAPHAEL ANGELINE ALFONS 3,071,536
CHA, EDWARD 3,071,599
CHALEIX, DANIEL 3,070,795
CHAN, ALBERT TAK CHUN 3,071,845
CHAN, YOU-PING 3,071,064
CHANG, DAVID B. 3,071,937
CHANNAPATANA, CHETAN 3,071,254
CHANNAPATANA, CHETAN 3,071,259
CHAPARRO, RODOLFO J. 3,071,881
CHAPMAN, JOHN CHRISTOPHER 3,071,770
CHARAN, GANAPATDAN SHIMBHU 3,071,226
CHARTER COMMUNICATIONS OPERATING, LLC 3,071,941
CHARTER COMMUNICATIONS OPERATING, LLC 3,071,942
CHASE, ARNOLD 3,071,164
CHASE, WILLIAM 3,071,164
CHAUDHARY, BHARAT I. 3,071,397
CHAUDHARY, BHARAT I. 3,071,403
CHAUDHARY, BHARAT I. 3,072,065
CHAUDHARY, GOVIND 3,071,117
CHEMOCENTRYX, INC. 3,071,951
CHEMTOOL INCORPORATED 3,071,149
CHEN, HONGBIN 3,071,853
CHEN, JIN-HONG 3,071,415
CHEN, JIXU 3,071,819
CHEN, PENGFEI 3,071,109
CHEN, PENGFEI 3,071,250
CHEN, PENGFEI 3,071,251
CHEN, PENGFEI 3,071,252
CHEN, QI 3,070,797
CHEN, TAO 3,071,077
CHEN, TAO 3,071,992
CHEN, XIAOCHENG 3,072,035
CHEN, XIN 3,071,417
CHEN, YUMING 3,071,299
CHEN, YUN 3,071,900
CHENG, CHI-YUAN 3,070,931
CHENG, SAMUEL 3,071,562
CHENG, SHIH-YU 3,071,279
CHENG, SHUJIANG 3,070,931
CHENG, WEIGUO 3,071,402
CHENG, XIPING 3,071,387
CHERNOFF, DAVID 3,071,597
CHEVRON U.S.A. INC. 3,071,631
CHEVRON U.S.A. INC. 3,071,632
CHEVRON U.S.A. INC. 3,071,691
CHINA UNIVERSITY OF MINING AND TECHNOLOGY 3,071,299
CHINI, JACOPO 3,071,053
CHIPROOT, AVI 3,071,600
CHISHTI, ZIA 3,071,224
CHISHTI, ZIA 3,071,319
CHISHTI, ZIA 3,071,321
CHITALE, KEDAR C. 3,071,640
CHO, HYUK JUN 3,071,623
CHO, HYUN KUG 3,071,275
CHO, JAE PYOUNG 3,072,054
CHO, JOONG MYUNG 3,072,054
CHOI, HYEONG 3,072,042
CHOI, KUKHEON 3,071,085
CHOI, SOOJEONG 3,071,352
CHOKSHI, KARNA 3,070,664
CHONGQING LINGSHI AGRICULTURAL TECHNOLOGY CO., LTD. 3,071,586
CHOPRA, SUMAN 3,071,037
CHRIST, GEORGE RONALD 3,071,162
CHUGAI SEIYAKU KABUSHIKI KAISHA 3,071,236
CHUGG, KETIH M. 3,071,283
CHURCHILL, BERNARD 3,071,367
CHURCHILL, BERNARD 3,071,435
CHURCHILL, BERNARD 3,071,462
CHURCHILL, GARY 3,071,850
CHURCHMAN, SCOTT 3,071,462
CHURCHMAN, SCOTT ADAM 3,071,435
CIANCHETTA, GIOVANNI 3,071,993
CICHOSZ, ANNA 3,071,790
CIDONCHA ESCOBAR, MANUEL 3,071,789
CIENA CORPORATION 3,071,630
CIENA CORPORATION 3,071,778
CIM, ISA 3,070,753
CIPOLLETTI, GIOVANNI 3,071,053
CISBIO BIOASSAYS 3,070,777
CISCO TECHNOLOGY, INC. 3,071,801
CISCO TECHNOLOGY, INC. 3,071,823
CISCO TECHNOLOGY, INC. 3,071,837
CITRIX SYSTEMS, INC. 3,071,330
CITRIX SYSTEMS, INC. 3,071,336
CITRIX SYSTEMS, INC. 3,072,046
CJ CHEIL JEDANG CORPORATION 3,071,275
CJ CHEILJEDANG CORPORATION 3,071,280
CLAIR, NICOLAS 3,071,324
CLARE, DAVID, 3,072,040
CLARENCE-SMITH, KATHLEEN E. 3,071,377
CLARIANT INTERNATIONAL LTD 3,070,763
CLARK, JOHN 3,071,958
CLARK, KIRTLAND 3,071,814
CLARK, TIMOTHY 3,071,814
CLARKE, NIGEL 3,071,626
CLARY, DAN 3,065,297
CLASEN, DITMAR 3,071,846
CLAWSON, JAN 3,071,265

CLEMENTS, HEIDI 3,071,185
CMP PRODUCTS LIMITED 3,070,891
COBALT BLUE HOLDINGS LTD 3,071,194
COGAN, NOEL 3,071,677
COGNITIVE SYSTEMS CORP. 3,071,887
COHEN, BENJAMIN 3,071,407
COLE, BENJAMIN TYLER 3,071,153
COLE, BENJAMIN TYLER 3,071,156
COLE, BENJAMIN TYLER 3,071,162
COLE, BENJAMIN TYLER 3,071,163
COLEBORN, MATILDA MAY 3,072,023
COLETTI, VINCE 3,071,089
COLETTI, VINCE 3,071,144
COLGATE-PALMOLIVE COMPANY 3,070,931
COLGATE-PALMOLIVE COMPANY 3,071,037
COLIAS, STEPHEN 3,071,941
COLIN, SEBASTIEN 3,071,327
COLLICK, SCOTT J. 3,071,389
COLLICK, SCOTT J. 3,071,416
COLLINS, CHRISTINE 3,072,026
COLLMAN, FORREST 3,071,685
COMBAT SENSEL, LLC D/B/A SUPERHEROLOGY 3,071,841
COMISO, SCOTT 3,071,945
COMMAND ALKON INCORPORATED 3,071,204
COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION 3,071,994
COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN 3,071,531
CONCORDIA UNIVERSITY, INC. 3,071,580
CONMED CORPORATION 3,071,147
CONMED CORPORATION 3,071,867
CONN, P. JEFFREY 3,072,081
CONNOLLY, JEREMY 3,072,012
CONVERGENT ENGINEERING, INC. 3,071,107
CONWAY, ANTHONY 3,071,683
COOK, DONALD A. 3,071,099
COOK, GARY 3,071,772
COOPER STANDARD AUTOMOTIVE INC. 3,071,555
COOPER, MATTHEW 3,071,143
COOPER, MATTHEW 3,071,150
COORS BREWING COMPANY 3,071,422
COORSTEK, INC. 3,071,946
CORAVIN, INC. 3,071,384
CORBIN, JOHN 3,071,540
CORDIER, FRANCOIS-XAVIER 3,071,481
CORDOBA, SHAUN 3,071,495
CORDONNIER, GENEVIEVE 3,071,219
CORNELL UNIVERSITY 3,071,316
CORNELLIER, MATHIEU 3,071,468
CORNING INCORPORATED 3,071,856
CORNING INCORPORATED 3,071,858
CORNING OPTICAL COMMUNICATIONS RF LLC 3,071,499
CORONA, ROBERT 3,071,977
CORRIGAN, JOHN 3,071,248
CORSHAM SCIENCE LIMITED 3,071,929
COSBY, MELVIN 3,071,829
COTTRELL, LEE M. 3,072,040
COVE BIO LLC 3,071,824
COVESTRO DEUTSCHLAND AG 3,071,701
COVESTRO DEUTSCHLAND AG 3,071,878
COWELL, WILLIAM 3,071,372
COX, JANINE 3,071,539
CRAIG, ROBERT A., II 3,072,057
CRAVEN, TOM 3,071,393
CREARY, TREVOR 3,072,011
CREO MEDICAL LIMITED 3,071,393
CRESPO MONTERO, FRANCISCO JAVIER 3,071,056
CRESSY, EDDIE LAWRENCE 3,071,866
CROCKETT, STEVEN P. 3,071,257
CROMER, CHRISTOPHER 3,071,266
CROOKS, PETER 3,071,443
CRYSTALGENOMICS, INC. 3,072,054
CSC OPERATING COMPANY, LLC 3,071,614
CSL BEHRING AG 3,071,930
CSL BEHRING GMBH 3,072,003
CSL BEHRING LLC 3,072,060
CUBIC CORPORATION 3,071,120
CUBIC CORPORATION 3,071,125
CUBIC CORPORATION 3,071,426
CUBIC CORPORATION 3,071,879
CUBIC CORPORATION 3,071,880
CUE BIOPHARMA, INC. 3,071,881
CUI, DAWEI 3,071,993
CUI, WEI 3,071,325
CULLUM, PAUL A. 3,071,274
CUMMING, JARED N. 3,071,537
CUMMING, JARED N. 3,071,538
CUNNINGHAM, CHUCK 3,072,012
CURHAN, JEFFREY 3,071,568
CURRIE, ROBERT 3,071,595
CUZZANI, OSCAR 3,071,648
CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD 3,071,877
CYALUME TECHNOLOGIES, INC. 3,071,160
CYALUME TECHNOLOGIES, INC. 3,071,161
D'ACOSTA, CHRIS 3,071,380
D'HERIN BYTNER, FREDERIC 3,071,327
D'HERIN BYTNER, FREDERIC 3,071,472
D'HOORE, TOM NELLY A. 3,071,056
DA CUNHA, JOAQUIM RIBEIRO 3,071,954
DA SILVA LEITE DE SOUSA, MARIO MANUEL 3,071,768
DA SILVA, MELANIE 3,070,777
DACHAVARAM, SOMA SHEKAR 3,071,443
DACOSTA, ALEXIS 3,071,089
DACOSTA, ALEXIS 3,071,144
DAHDAH, JOSE JAMIL DUNIA 3,071,845
DAHN, JEFFERY R. 3,071,314
DAI, WILLIAM 3,071,628
DAIICHI SANKYO COMPANY, LIMITED 3,071,234
DAINI, MASAKI 3,071,972
DALAL, SOHEL 3,071,078
DALI, MENI 3,071,776
DALI, MENI 3,071,808
DALY, KERRY G. 3,071,527
DANA-FARBER CANCER INSTITUTE, INC. 3,071,795
DANA-FARBER CANCER INSTITUTE, INC. 3,071,800
DANDEKAR, AJIT B. 3,071,276
DANKBERG, MARK 3,071,381
DARGAUD, BENOIT 3,071,558
DAS SARMA, DEBJIT 3,070,934
DATTA, ABHISHEK 3,071,427
DATTA-CHAUDHURI, TIMIR B. 3,071,665
DAVAR, NIPUN 3,071,755
DAVIES, MYA 3,072,023
DAVIES, PETER HOWARD 3,071,932
DAVIS, MICHAEL 3,071,102
DAVIS, NATHAN DARRELL 3,071,507
DAVIS, ROBERT 3,071,119
DAVIS, ROBERT 3,071,137
DAWSON-HAGGERTY, MICHAEL 3,071,407
DAY, ANDREW 3,071,522
DAY, LARRY L. 3,072,084
DE ALMEIDA, BRUNA MARIELE 3,071,954
DE JONG, WILLEM OTTO 3,071,788
DE LUCA, CATALDO 3,071,781
DE NORA PERMELEC LTD 3,072,021
DE RAADT BEHEER B.V. 3,071,895
DE RAADT, FLORIS 3,071,895
DE RODE, RODERICK 3,071,788
DE VICENTE FIDALGO, JAVIER 3,072,057
DE VRIES, FRANK JACOB PAUL 3,071,788
DE VRIND, VINCENT HUBERTUS CORNELIS 3,070,653
DE WARRIMONT, SERGE ALFRED JOHAN 3,071,788
DE ZOLT, DARIO 3,071,621
DE' LONGHI APPLIANCES S.R.L. 3,071,729
DE' LONGHI, GIUSEPPE 3,071,729
DEACON, JOHN 3,071,345
DEARDEN, BRIAN 3,071,258
DEARDEN, BRIAN R. 3,071,628
DEASY, JOSEPH OWEN 3,071,399
DEBRUYNE, F.M.J. 3,071,660
DECARO JUNIOR, SERGIO TADEU 3,071,954
DECLOS, ROBERT 3,071,198
DEFER, GAEL 3,071,481
DEGAWA, KATSUHIKO 3,071,227

DEGAWA, KATSUHIKO 3,071,228
DEIGHTON, MICHAEL J. 3,072,072
DEIGHTON, MICHAEL J. 3,072,077
DEIMUND, MARK A. 3,071,276
DEISIG, WOLFGANG 3,072,085
DELBEKE, DANAE 3,071,079
DELPLANCKE, PATRICK FIRMIN AUGUST 3,071,536
DELTATEK OIL TOOLS LIMITED 3,071,492
DELTATEK OIL TOOLS LIMITED 3,071,493
DELTRAN OPERATIONS USA, INC. 3,072,066
DEMEY, NICOLAS 3,071,589
DENALI THERAPEUTICS INC. 3,072,035
DENALI THERAPEUTICS INC. 3,072,051
DENALI THERAPEUTICS INC. 3,072,057
DENBOW, JAMES ROY 3,071,042
DENG, SHI-XIAN 3,071,123
DENG, XIANMING 3,071,900
DENNIS, MARK S. 3,072,035
DENNIS, MARK S. 3,072,051
DENOME, FRANK WILLIAM 3,071,999
DEORE, BHAVANA 3,071,505
DEPOOT, KAREL JOZEF MARIA 3,071,129
DEPUY SYNTHES PRODUCTS, INC. 3,071,335
DEPUY SYNTHES PRODUCTS, INC. 3,072,017
DERENZI, MICHAEL CHRISTOPHER 3,071,816
DERUNTZ, OTTO 3,071,384
DESCHANELS, SYLVAIN 3,071,558
DESHPANDE, MITSU 3,071,641
DESROSIERS, MICHELLE 3,071,875
DESVEAUX, DARRELL 3,071,294
DEVISETTY, BALA N. 3,072,025
DIABELOOP 3,071,570
DIACOVO, THOMAS 3,071,123
DIANOSIC 3,071,489
DIBA, KEYVAN T. 3,071,498
DICK, MATTHEW 3,071,425
DIENNO, DUSTIN V. 3,071,133
DIETRICH, HANSJORG 3,071,782
DIKHOFF, HANS CONSTANT 3,071,788
DIMITROVA, MARIANA 3,071,544
DINE, ANN 3,071,320
DIONNE, JASON 3,071,640
DISCH, SASCHA 3,071,208
DISHMAN CARBOGEN AMCIS LTD. 3,072,030
DIVAKARAMENON, SETHUMADHAVAN 3,072,076
DODART, JEAN-COSME 3,072,076
DOHERTY, THOMAS F. 3,071,158
DOMSCH, ERIC A. 3,071,549
DONALDSON COMPANY, INC. 3,071,286
DONAVON, MARK ALAN 3,071,069
DONELLO, JOHN E. 3,070,805
DOREL HOME FURNISHINGS, INC. 3,072,000
DORIN, RACHEL MIKA 3,071,140
DORIS, CLARE LOUISE 3,071,550
DORMAN, KYLE E. 3,072,058
DORMAN, KYLE E. 3,072,062
DORMAN, KYLE E. 3,072,063
DORON, MAEVA 3,071,570
DORR, SEBASTIAN 3,071,701
DOTSON, LARRY 3,071,394
DOTSON, LARRY 3,071,404
DOU, GAOFENG 3,071,297
DOU, GAOFENG 3,071,470
DOU, GAOFENG 3,071,471
DOUGHAN, BEN 3,065,297
DOUGLAS, TERRY 3,071,896
DOW GLOBAL TECHNOLOGIES LLC 3,071,183
DOW GLOBAL TECHNOLOGIES LLC 3,071,185
DOW GLOBAL TECHNOLOGIES LLC 3,071,199
DOW GLOBAL TECHNOLOGIES LLC 3,071,238
DOW GLOBAL TECHNOLOGIES LLC 3,071,239
DOW GLOBAL TECHNOLOGIES LLC 3,071,240
DOW GLOBAL TECHNOLOGIES LLC 3,071,241
DOW GLOBAL TECHNOLOGIES LLC 3,071,242
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DOW GLOBAL TECHNOLOGIES LLC 3,071,244
DOW GLOBAL TECHNOLOGIES LLC 3,071,325
DOW GLOBAL TECHNOLOGIES LLC 3,071,382
DOW GLOBAL TECHNOLOGIES LLC 3,071,389
DOW GLOBAL TECHNOLOGIES LLC 3,071,394
DOW GLOBAL TECHNOLOGIES LLC 3,071,397
DOW GLOBAL TECHNOLOGIES LLC 3,071,401
DOW GLOBAL TECHNOLOGIES LLC 3,071,403
DOW GLOBAL TECHNOLOGIES LLC 3,071,404
DOW GLOBAL TECHNOLOGIES LLC 3,071,409
DOW GLOBAL TECHNOLOGIES LLC 3,071,416
DOW GLOBAL TECHNOLOGIES LLC 3,071,437
DOW GLOBAL TECHNOLOGIES LLC 3,072,065
DOW SILICONES CORPORATION 3,071,397
DOW SILICONES CORPORATION 3,071,403
DOWDY, MICHAEL JAMES 3,071,529
DOWNIE, SIMON 3,071,477
DOYLE, MATTHEW JOSEPH 3,070,664
DRAGOLI, DEAN 3,071,992
DRAKE, RYAN JOSEPH 3,072,047
DRENTH, CHRISTOPHER L. 3,071,977
DREUX, PETER C. 3,072,065
DREXEL UNIVERSITY 3,071,408
DRILLING TECHNICAL SERVICES (PTY) LTD 3,071,590
DRIVDAHL, KRISTIAN S. 3,071,977
DROGE, ALICIA 3,071,728
DROPULIC, BORO 3,071,624
DRUMMOND-SAMUELSON, MEGHAN 3,071,712
DU-THUMM, LAURENCE D. 3,070,931
DUAN, GANG 3,071,853
DUBIEL, MARCELO 3,071,291
DUDLEY, MICHAEL N. 3,071,096
DUFFNER, EBERHARD 3,071,997
DUMESNIL, FRANCIS 3,071,452
DUNN, MATTHEW 3,071,398
DUPERRON, MATTHIEU FRANCOIS GABRIEL 3,072,020
DUPUIS, ELODIE JULIE 3,070,777
DURING, MATTHEW 3,071,939
DUST BIOSOLUTIONS GMBH 3,071,579
DWARAKANATH, VARADARAJAN 3,071,631
DWARAKANATH, VARADARAJAN 3,071,632
DWARAKANATH, VARADARAJAN 3,071,691
DWYER, DANIEL P. 3,071,811
EADELSON, NAHSHON 3,070,836
EAGLEBURGMANN GERMANY GMBH & CO. KG 3,071,329
EARMME, TAESHIK 3,071,093
EARMME, TAESHIK 3,071,177
EASON, CORMAC JAMES 3,072,020
EASON, THOMAS 3,071,338
EAST END MEDICAL LLC 3,071,391
EAST END MEDICAL LLC 3,071,432
EASTMAN, PAUL SCOTT 3,071,597
EATON INTELLIGENT POWER LIMITED 3,071,511
ECOLAB USA INC. 3,071,402
ECOLAB USA INC. 3,071,545
ECOLAB USA INC. 3,072,047
ECOM MEDICAL, INC. 3,072,055
EDEN INNOVATIONS LIMITED 3,071,313
EDVINSSON, ROLF KRISTER 3,071,903
EDVINSSON, ROLF KRISTER 3,071,926
EDVINSSON, ROLF KRISTER 3,071,927
EDWARDS LIFESCIENCES CORPORATION 3,071,870
EGG MEDICAL, INC. 3,071,947
EHLERS, INA 3,071,903
EHLERS, INA 3,071,926
EHLERS, INA 3,071,927
EHRENSVARD, JAKOB 3,070,778
EIBER, MATTHIAS JOHANNES 3,071,315
EKERN, DAVID F. 3,071,962
EKKES, HANS 3,070,653
EL ZOGHBI, GASER 3,071,335

EL-DIRABY, TAMAR 3,068,185
ELASTIMED LTD. 3,071,774
ELDER, JAMES E. 3,071,244
ELDON, MICHAEL, A. 3,071,261
ELEA VERTRIEBS- UND VERMARKTUNGSGESELLSCHAFT MBH 3,069,907
ELEMENTAL ENGINEERING AG 3,071,566
ELI LILLY AND COMPANY 3,071,249
ELI LILLY AND COMPANY 3,071,383
ELLENOR, CHRISTOPHER W. 3,071,104
ELLERMANN, MANUEL 3,071,795
ELLERMANN, MANUEL 3,071,800
ELLISON, TRAVIS 3,072,022
ELMER, KARL-HEINZ 3,071,675
ELMORE, JAMES EDWARD 3,071,319
EMERSON PROCESS MANGEMENT REGULATOR TECHNOLOGIES TULSA, LLC 3,072,022
EMGE, ANDREAS 3,071,298
EMORY UNIVERSITY 3,071,385
ENGELMAN, DONALD 3,071,345
ENGERS, DARREN W. 3,072,081
ENGINEERED FLOORS LLC 3,071,333
ENGUIX NICOLAS, CARLOS 3,071,220
ENIGMATOS LTD. 3,071,776
ENIGMATOS LTD. 3,071,808
ENSCM - ECOLE NATIONALE SUPERIEURE DE CHIMIE 3,071,704
ENSCO, INC. 3,071,417
ENSCO, INC. 3,071,425
EPIROC ROCK DRILLS AKTIEBOLAG 3,071,343
ERDOGAN, JULIEN 3,071,589
ERDOSI, NIKOLETTA 3,071,421
ERIKSEN, JOHN G.H. 3,071,174
ERTL, PETER 3,071,436
ESPOSITO CASSIBBA, IVANA DANIELA 3,070,885
ESPOSITO CASSIBBA, IVANA DANIELA 3,071,995
ESTEBAN MARTIN, SANTIAGO 3,071,601
ESTEBAN MARTIN, SANTIAGO 3,071,642
ESTEVE PHARMACEUTICALS, S.A. 3,071,074
ESTRADA, ANTHONY A. 3,072,057
ETH ZURICH 3,071,798
EULIANO, NEIL RUSSELL 3,071,107
EULIANO, TAMMY Y. 3,071,107
EUPHORIA BEER DEVELOPMENT LTD 3,071,959
EVANCHIK, MARC 3,071,948
EVANS, BRAD R. 3,071,105
EVANS, CRAIG 3,071,979
EVANS, LAUREN 3,071,037
EVERLY, MARK 3,071,112
EVERYSCAPE, INC. 3,071,398
EVONIK OPERATIONS GMBH 3,071,210
EXPRO AMERICAS, LLC 3,071,527
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,071,263
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,071,276
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,071,434
EYAL, AHARON M. 3,071,497
F. HOFFMANN-LA ROCHE AG 3,071,618
FABRY, NICOLAS 3,071,452
FABRY, NICOLAS 3,071,589
FAIRWEATHER, NEIL THOMAS 3,071,536
FALKENSTEIN, MARTIN 3,071,301
FALSEY, JAMES R. 3,071,852
FAN, LIANG-SHIH 3,071,395
FAN, MENGBAO 3,071,299
FAN, SHIGANG 3,071,853
FAN, XIAOFEI 3,071,117
FANOUS, MARK 3,072,082
FARANDA, LEO 3,071,548
FARBER, ROBERT 3,071,455
FARIDMOAYER, AMIRREZA 3,071,761
FARMER, SEAN 3,071,247
FEBBRUARI, BARBARA 3,071,053
FEHLINGS, MICHAEL G. 3,071,893
FEIGENBLUM, JOSE 3,071,273
FENG, JIANWEN A. 3,072,057
FERRANDO, ILARIA 3,071,202
FERRARO, KIVA 3,071,578
FEUSTEL, MICHAEL 3,070,763
FIBROTX OU 3,071,766
FILHOL, DIDIER 3,071,889
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INTERSECTION PARENT, INC. 3,072,074
INTRA-CELLULAR THERAPIES, INC. 3,071,119
INTRA-CELLULAR THERAPIES, INC. 3,071,137
INUI, MASAYUKI 3,071,767
INVENTIO AG 3,071,483
INVENTIO AG 3,071,484
INVENTIO AG 3,071,655
INVENTIO AG 3,071,657
IONESCU, TUDOR C. 3,072,072
IONESCU, TUDOR C. 3,072,077
IONIS PHARMACEUTICALS, INC. 3,071,033
IP2IPO INNOVATIONS LIMITED 3,071,765
IRAZOQUI, PEDRO P. 3,071,843
ISAACSON, RAY 3,070,967
ISAACSON, S., RAY 3,071,651
ISBELL, JEREMY L. 3,071,689
ISCAR LTD. 3,070,667
ISCAR LTD. 3,070,669
ISHIBE, AKINARI 3,071,230
ISHIBE, AKINARI 3,071,231
ISHIBE, AKINARI 3,071,232
ISOAHO, RIKU 3,071,711
ISSHIKI, RYO 3,071,867
ITO, ATSUSHI 3,071,569
ITO, MASAHIRO 3,071,825
ITO, TOMOHIRO 3,071,975
ITO, YOSHITERU 3,071,972
ITT MANUFACTURING ENTERPRISES LLC 3,070,962
IVEY, JOHNATHAN 3,071,556
IVEY, JOHNATHAN 3,071,732
IVEY, JOHNATHAN 3,071,734
IVEY, JOHNATHAN 3,071,791
IWABUCHI, YOSHIHARU 3,071,615
IWAMOTO, NAOKI 3,072,076
J.W. EUROPEAN LTD 3,071,908
JAB S.R.L. 3,071,322
JACKMAN, ROBIN M. 3,071,612
JACOBSEN, CHRISTIAN 3,071,300
JAGER, GERNOT 3,071,878
JAIME, ROBERTO 3,071,266
JAIN, ANIL 3,071,113
JAIN, SUMITI 3,071,683
JAKOBSON, TINA BRINK 3,071,287
JAKUBISIN, JOHN SCOTT 3,071,414
JANOFF, MARK 3,071,279
JANSEN, ANNA MAI 3,071,287
JANSSON, KARL ERIK 3,071,644
JANUARY THERAPEUTICS, INC. 3,071,612
JARISCH, CHRISTIAN 3,071,874
JASEK, SIDNEY J. 3,071,266
JASTI, VENKATESWARLU 3,071,084
JAUNCEY, OLIVER JAMES 3,071,941
JAUNCEY, OLIVER JAMES 3,071,942
JAZZ PHARMACEUTICALS IRELAND LIMITED 3,071,544
JAZZ PHARMACEUTICALS IRELAND LIMITED 3,071,779
JDSCAP SYNERGISTICS, LLC 3,071,988
JEANNOT, SIMON PIERRE 3,071,196
JEFFERY, IAN 3,072,013
JENNER, FLORIEN 3,071,436
JENNINGS, DAVID WAYNE 3,072,072
JENNINGS, DAVID WAYNE 3,072,077
JENSEN, SCOTT 3,071,097
JENSEN, SLADE 3,071,577
JEONG, SEUNG-SOO 3,071,370

JEOUNG, JEOUNG KYO 3,070,822
JESME, RONALD D. 3,071,617
JETANI, HARDIKKUMAR 3,071,303
JEWELL, LARRY STEPHEN 3,071,677
JFE STEEL CORPORATION 3,071,564
JI, JINGJING 3,071,993
JIA, HAIQUN 3,071,860
JIANG, CHUNWEI 3,071,470
JIANG, CHUNWEI 3,071,471
JIANG, DAYUE 3,071,856
JIANG, DAYUE 3,071,858
JIN, JIM 3,071,430
JO, HYE JIN 3,072,042
JOEL, ZELAH 3,071,491
JOHNSON, DOUGLAS 3,071,842
JOHNSON, GREGORY 3,071,685
JOHNSON, SCOTT EVERT 3,071,035
JOIMAX GMBH 3,071,473
JOIMAX GMBH 3,071,475
JONES, JOBIE LEBRON 3,071,554
JONES, RICHARD B. 3,071,274
JORDAAN, BAREND JACOBUS 3,071,590
JORDAN, DAVID 3,071,402
JORDAN, TAMAS 3,071,421
JORGENSEN, LARS 3,072,001
JOSHI-HANGAL, RAJASHREE 3,071,755
JOUANNEAU, JULIEN 3,071,324
JOVIC, SLAVISA 3,071,903
JOVIC, SLAVISA 3,071,926
JOVIC, SLAVISA 3,071,927
JOWETT, ROBIN 3,071,986
JU, JINYONG 3,071,299
JU, KUK-YOUN 3,071,076
JULIEN, JEAN-PHILIPPE 3,071,922
JULIUS-MAXIMILIANS-UNIVERSITAT WURZBURG 3,071,303
K+S MINERALS AND AGRICULTURE GMBH 3,071,340
KAGEME, SATOSHI 3,071,181
KAHLEN, WERNER 3,071,357
KAHLEN, WERNER 3,071,360
KAINO, MIE 3,071,235
KAJITA, YUICHI 3,071,972
KAKEGAWA, KEIKO 3,071,825
KALGAONKAR, RAJENDRA 3,071,429
KALGAONKAR, RAJENDRA 3,071,431
KALOS, MICHAEL DEWAIN 3,071,383
KALVISTA PHARMACEUTICALS LIMITED 3,071,772
KAMAURA, MASAHIRO 3,071,363
KAMIJO, TAKASHI 3,071,602
KAMIJO, TAKASHI 3,071,785
KAMIR, EYAL 3,071,776
KAMIR, EYAL 3,071,808
KAMIYA, TAKAHIRO 3,071,282
KAN, ITTAI 3,071,319
KANARSKY, MAX 3,071,842
KANDASAMY, PACHAMUTHU 3,072,076
KANDHASAMY, MOHAN MEIYAPPAN 3,071,111
KANDUKURI, SANDEEP REDDY 3,071,643
KANG, JIWON 3,071,085
KANNAN, GUNASEKARAN 3,071,376
KANTOLA, JAMES C. 3,071,622
KANTZER, EIKE NICOLAS 3,071,903
KANTZER, EIKE NICOLAS 3,071,926
KANTZER, EIKE NICOLAS 3,071,927
KAO, CONRAD 3,072,019
KAOUKHOV, ALEXANDRE 3,070,663
KARIOLIS, MIHALIS 3,072,035
KARIOLIS, MIHALIS 3,072,051
KARIYA, NOBUSUKE 3,071,564
KARIYANAHALLI, PRAVEEN RAJU 3,071,823
KARL-FRANZENS-UNIVERSITAT GRAZ 3,071,476
KARNER, DON 3,071,116
KARNER, DON 3,071,118
KARNER, DON 3,071,121
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KARNER, DON 3,071,124
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KARNER, DON 3,071,148
KARNER, DON 3,071,151
KARNER, DON 3,071,154
KARNER, DON 3,071,157
KARNER, DON 3,071,666
KARNER, HANNES 3,071,987
KARYDAS, ATHANASIOS 3,071,814
KASAI, KENICHI 3,072,036
KASIMOV, YELENA 3,071,090
KASTILAN, ROBIN 3,071,764
KASUYA, JUNICHI 3,072,044
KATHE, MANDAR 3,071,395
KATO, KAZUKI 3,071,236
KATO, MASAHARU 3,071,805
KATORI, AKI 3,071,975
KAWAGUCHI, SHINJI 3,071,229
KAWAKAMI, KOTARO 3,071,975
KAWAM, IBRAHIM EL 3,070,969
KAYHANI, NIOSHA 3,071,120
KAYHANI, NIOSHA 3,071,125
KAYHANI, NIOSHA 3,071,426
KBA-NOTASYS SA 3,071,771
KEENAN, DESMOND B. 3,071,628
KEGELAERS, YVES 3,071,110
KEIJERS, RONALD GODEFRIDUS ANNA 3,070,824
KELKAR, RAJENDRA MADHUKAR 3,071,833
KELLER, TYLER JO 3,071,556
KENDRICK, KEVIN 3,071,532
KESHAVJEE, SHAF 3,072,060
KHAIRNAR, SANDIP PUNDLIK 3,071,226
KHAN, ALIM AHAMAD 3,071,794
KHAN, ATIF 3,071,823
KHANKHOJE, ADITI 3,071,029
KHANNA, ISH 3,071,385
KHARE, NEERAJ 3,070,957
KHATRI, VIKASH 3,071,319
KHAZAEI, MOHAMAD 3,071,893
KHORUZHENKO, EUGENE 3,071,288
KIDO, HORACIO 3,071,367
KIDO, HORACIO 3,071,435
KIEHN, RUDIGER 3,071,300
KIEN, KATHRYN CHRISTIAN 3,071,042
KIEPE, BJOERN 3,071,932
KIHARA, KENNETH S. 3,072,058
KIHARA, KENNETH S. 3,072,062
KIHARA, KENNETH S. 3,072,063
KIKUCHI, FUMIAKI 3,071,825
KILDEGAARD, CASPER 3,072,001
KIM, EUN AH 3,072,042
KIM, HOOI JOONG 3,070,822
KIM, JUNHO 3,072,052
KIM, KYUSEOK 3,071,085
KIM, MIN WOOK 3,071,623
KIM, PHILLIP S. 3,071,588
KIM, SANGWOO 3,072,052
KIM, SEONG BO 3,071,275
KIM, SEUNG HWAN 3,071,275
KIM, YONG IL 3,071,623
KIM, YONG TAE 3,071,088
KINDRED BIOSCIENCES, INC. 3,071,337
KING, JENNIFER EILEEN 3,071,407
KINIO, WALTER 3,072,049
KINZIE, PATRICK W. 3,071,888
KIRICK, ROBERT 3,071,891
KIRILIN, ALEXEY 3,071,185
KIRILIN, ALEXEY 3,071,244
KISHIMOTO, SHINYA 3,071,767
KISS, MARGARET 3,071,869
KISS, MARGARET 3,071,894
KLAFFL, SIMON 3,071,878
KLANG, GREGG ALAN 3,071,433
KLARNER, JURGEN 3,071,987
KLAWITTER, TIMOTHY JAMES 3,071,042
KLEEBAND, SVEN 3,071,300
KLEIN IBERICA S.A.U. 3,071,461
KLEIN, JANET 3,071,385
KLEIN, MARCEL 3,071,728
KLEIN, MARKUS 3,071,575
KLEIST, DYLAN SCOTT 3,072,033
KLINGEMANN, HANS G. 3,071,983
KLOECKNER, WOLF 3,071,878
KLUCZ, EMIL 3,071,790
KLUCZ, KRZYSZTOF 3,071,790
KLUSENER, PETER ANTON AUGUST 3,070,885
KLUSENER, PETER ANTON AUGUST 3,071,995
KNAUF GIPS KG 3,071,664
KNAUF, ROGER 3,071,435
KNODEL, TIM 3,072,011
KO, MICHAEL J. 3,072,055
KOBASHI, YUJI 3,072,048
KOBAYASHI, AKIHITO 3,071,230
KOBAYASHI, AKIHITO 3,071,231
KOBAYASHI, AKIHITO 3,071,232
KOBAYASHI, FUMINORI 3,071,797
KOBAYASHI, TAKUMA 3,071,797
KOCH, SIMON 3,071,206
KODAM, MADHUSUDHAN 3,071,382

KOGA, HIKARU 3,071,236
KOHLER, JAN-PHILLIP 3,071,934
KOHN, ARNIM 3,071,782
KOHN, DAVID 3,071,225
KOHN, NILS 3,072,085
KOHNE, JEFFREY L. 3,071,117
KOIKE, TATSUKI 3,071,972
KOJIMA, KATSUMI 3,071,564
KOJIMA, TAKUTO 3,071,825
KOKUBO, HIRONORI 3,071,825
KOLBE, NINA 3,071,868
KOLETSCHKA, THOMAS 3,071,407
KOLMAR KOREA CO., LTD. 3,072,042
KOMATSU LTD. 3,071,961
KOMATSU LTD. 3,071,963
KOMATSU LTD. 3,071,982
KOMATSU LTD. 3,072,048
KONDAVETI, RUSSELL 3,071,268
KONIG, DAVID 3,071,668
KONIG, YOCHAI 3,071,668
KONINKLIJKE PHILIPS N.V. 3,071,730
KONISHI, HIROYUKI 3,072,038
KOPF, SEBASTIAN 3,071,340
KOPINJA, JOHNNY E. 3,071,537
KOPINJA, JOHNNY E. 3,071,538
KOPITZ, CHARLOTTE CHRISTINE 3,071,795
KOPITZ, CHARLOTTE CHRISTINE 3,071,800
KORT, JENS 3,072,026
KOSCHEK, KATHARINA 3,071,989
KOSE, CENK 3,071,283
KOSLOSKI, MATTHEW 3,072,026
KOTAKA KOICHI 3,071,073
KOTANIDES, HELEN 3,071,383
KOTLAR, VADIM 3,071,960
KOTRYCH, JERRY A. 3,067,329
KOVACS, ANDRAS 3,071,451
KOVACS, PATRICK 3,071,246
KOVAL, MICHAEL CAP 3,071,407
KOVALENKO, MARIA 3,071,540
KOWARIK, MICHAEL THOMAS 3,071,761
KRAINC, DIMITRI 3,071,534
KRAPTCHETOV, DMITRI A. 3,071,183
KRAPTCHETOV, DMITRI A. 3,071,184
KRAPTCHETOV, DMITRI A. 3,071,240
KRAPTCHETOV, DMITRI A. 3,071,241
KRAPTCHETOV, DMITRI A. 3,071,244
KRAPTCHETOV, DMITRI A. 3,071,437
KRATOS INTEGRAL HOLDINGS, LLC 3,072,064
KRAUSZ INDUSTRIES LTD. 3,071,600
KREFT, JOSEPH WAYNE 3,071,637
KRIJN, MARCELLINUS PETRUS CAROLUS MICHAEL 3,071,775
KRIJNEN, THOMAS 3,068,185
KRISHNAMURTHY, MAHESH 3,072,011
KRISHNAN, RAVI 3,071,585
KRIVANEK, PAVEL 3,072,039
KROGMAN, KEVIN C. 3,071,689
KROHN, ULF 3,071,116
KROHN, ULF 3,071,118
KROHN, ULF 3,071,121
KROHN, ULF 3,071,122
KROHN, ULF 3,071,124
KROHN, ULF 3,071,126
KROHN, ULF 3,071,141
KROHN, ULF 3,071,146
KROHN, ULF 3,071,148
KROHN, ULF 3,071,151
KROHN, ULF 3,071,154
KROHN, ULF 3,071,157
KROHN, ULF 3,071,666
KRUEGER, JOHN A. 3,071,622
KRULL, MATTHIAS 3,070,763
KSB SE & CO. KGAA 3,071,480
KU, CHWEN-YUAN 3,071,104
KUANG, QUAN 3,071,213
KUBO, OSAMU 3,071,825
KUENZI, ADAM 3,054,793
KUHN, PATRICK 3,071,868
KUHN, PATRIK 3,071,857
KUHNAU, JESPER 3,071,287
KUHNE, ANDREAS 3,071,901
KULKE, DANIEL 3,071,759
KULOOR, CHETHANA 3,071,444
KULOOR, SOORYA 3,071,444
KULTEVAT, INC. 3,071,949
KULTEVAT, INC. 3,071,950
KUMAR, SURENDER 3,071,646
KUMAR, VIVEK 3,071,850
KUMLIN, JOEL OSCAR OLSSON 3,071,449
KUMLIN, PER-ANDERS 3,071,343
KUNZ, JAKOB 3,069,911
KURA ONCOLOGY, INC. 3,071,854
KURARAY NORITAKE DENTAL INC. 3,071,620
KURE, KAZUKI 3,071,961
KURE, KAZUKI 3,071,963
KUREHA CORPORATION 3,071,569
KUREHA CORPORATION 3,071,797
KUSAYANAGI, YOSHINORI 3,071,091
KUSAYANAGI, YOSHINORI 3,071,358
KUSSEROW, MARTIN 3,071,483
KUSUMOTO CHEMICALS, LTD. 3,071,980
KVERNELAND GROUP RAVENNA S.R.L. 3,071,139
KVERNELAND GROUP RAVENNA S.R.L. 3,071,207
KVERNELAND GROUP RAVENNA S.R.L. 3,071,514
KWAK, HYUNG TAE 3,070,978
KWON, NARA 3,071,280
KYOWA KIRIN CO., LTD. 3,071,968
L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCES GEORGES CLAUDE 3,071,752
LACAMERA, DOMENICO 3,071,679
LACAS, MARC-ANDRE 3,071,198
LACHANCE, ANTHONY 3,071,977
LACUNA S.A. 3,071,592
LACY, DARRYL D. 3,071,276
LAGANA', MATTEO 3,071,621
LAKE, KARL FREDRIK 3,071,903
LAKE, KARL FREDRIK 3,071,926
LAKE, KARL FREDRIK 3,071,927
LAKHANI, SHAKIR 3,072,016
LAMBING, JOSEPH 3,071,948
LAN, QIANG 3,071,507
LAN, YUNFEI 3,071,199
LANCHA FERNANDEZ, JUAN CARLOS 3,071,789
LANCHBURY, JERRY 3,071,597
LANDIS+GYR INNOVATIONS, INC. 3,071,444
LANDMARK GRAPHICS CORPORATION 3,071,257
LANDMARK GRAPHICS CORPORATION 3,071,530
LANDMARK GRAPHICS CORPORATION 3,071,996
LANDRY, DONALD W. 3,071,123
LANG, MICHAEL 3,054,793
LANG, ORTMUND 3,070,757
LANGE, MARTIN 3,071,795
LANGE, MARTIN 3,071,800
LANGLEY, EMMA 3,071,588
LANT, NEIL JOSEPH 3,071,071
LANT, NEIL JOSEPH 3,071,086
LARBOULETTE, YVES 3,071,484
LARDAT, RAPHAEL 3,071,203
LARSON, ADAM D. 3,071,962
LARSON, ERIC ALLAN 3,071,820
LASHERAS, JUAN C. 3,072,058
LASHERAS, JUAN C. 3,072,062
LASHERAS, JUAN C. 3,072,063
LATUSKE, CLEMENS 3,071,868
LAU, MING WOEI 3,065,297
LAUNAY, FRANCOIS - XAVIER 3,071,203
LAURITZEN, BRUUN JES 3,071,652
LAUTZENHISER, LLOYD L. 3,071,605
LAUX, ROLAND 3,071,209
LAWLER, CASEY 3,070,797
LAWRENCE LIVERMORE NATIONAL SECURITY, LLC 3,071,142
LAWRENCE, CHRISTOPHER 3,071,539
LAWRENCE, GREGORY M. 3,071,328
LAWSON, DARLENE MADELINE 3,071,440
LAWYER, CARL HENRY 3,071,824
LAWYER, MATTHEW CARL 3,071,824
LAYZELL, MARIE 3,071,491
LE, GUILLAUME 3,071,324
LEADBETTER, MICHAEL 3,071,992
LEARNEY, ROBERT M. 3,071,765
LEBLANC, MELINDA 3,071,605
LEBLANC, SHANE S. 3,071,605
LEDDEN, DAVID 3,071,539
LEE, ANDREW 3,071,816
LEE, EDWARD K. F. 3,071,258
LEE, EUN YOUNG 3,072,042
LEE, GARY K. 3,071,683
LEE, HAK SUNG 3,072,042

LEE, HYUN SOOK 3,072,042
LEE, JIN NAM 3,071,280
LEE, JIN-KYU 3,071,076
LEE, JUNE H. 3,071,948
LEE, JUNG HEE 3,071,076
LEE, KANG HYUN 3,070,822
LEE, KILBOM 3,071,085
LEE, LY JAMES 3,071,553
LEE, NANCY 3,071,399
LEE, TIEN 3,071,983
LEE, WEN-SHENG 3,071,183
LEE, WEN-SHENG 3,071,185
LEE, WEN-SHENG 3,071,238
LEE, WEN-SHENG 3,071,239
LEE, WEN-SHENG 3,071,240
LEE, WEN-SHENG 3,071,244
LEE, WON JAE 3,071,076
LEI, YANG 3,072,026
LEIJENAAR, SYBREN YME 3,071,788
LEITNER, REINHARD 3,071,987
LEKKAKIS, PAVLOS (DECEASED) 3,059,481
LEKKAKIS, PETROS 3,059,481
LEKO LABS SA 3,071,481
LEMAIRE, PIERRE ARMAND VINCENT 3,071,680
LEMDIASOV, ROSTI 3,072,017
LEMKE, TRENT JAMES 3,071,458
LENK, JEFFREY A. 3,071,842
LENK, SCOTT R. 3,071,842
LENNOX, JAMES J. 3,071,810
LENS10 PTY LTD 3,071,986
LENTIGEN TECHNOLOGY, INC. 3,071,624
LENTZSCH, SUZANNE 3,071,817
LERICQUE, BERTRAND 3,071,327
LEROUX, JEAN-CHRISTOPHE 3,071,798
LESNIAK, STEVEN J. 3,071,109
LESNIAK, STEVEN J. 3,071,250
LESZKO, FILIP 3,072,017
LEUNG, KELVIN 3,071,477
LEUSEN, JEANNETTE HENRICA WILHELMINA 3,070,828
LEVI, TAMIR S. 3,071,870
LEWANDOWSKI, BERENICE 3,071,278
LEWIS, ASHLEY 3,071,246
LEWIS, BRUCE 3,071,891
LEWIS, JASON 3,071,992
LEWIS, TIMOTHY 3,071,795
LEWIS, TIMOTHY A. 3,071,800
LEWIS-GRAY, ALEXANDER HAMILTON 3,071,574
LEXA, KATRINA W. 3,072,057
LG ELECTRONICS INC. 3,071,085
LI, HUIBA 3,071,925
LI, JARED 3,071,430
LI, JING 3,071,314
LI, LEIMING 3,071,077
LI, LI 3,071,900
LI, NEIN-YI 3,071,264
LI, PENG 3,071,119
LI, PENG 3,071,137
LI, PING 3,072,087
LI, SHUN 3,071,430
LI, SHYR JIANN 3,071,337
LI, WEI 3,071,299
LI, WEI 3,071,530
LI, XIAO 3,071,699
LI, XIAOYANG 3,071,900
LI, XINGPENG 3,071,440
LI, YAZHAO 3,071,699
LI, YONG-XIN 3,070,805
LI, YONGZHONG 3,071,337
LI, ZHENLUN 3,071,586
LIANG, FENG 3,071,077
LIANG, JUN 3,062,949
LIARD, MAXIME 3,071,864
LIENAU, PHILIP 3,071,795
LIENAU, PHILIP 3,071,800
LIESS, MARTIN 3,071,420
LIGHT LINE MEDICAL, INC. 3,071,998
LILAC SOLUTIONS, INC. 3,071,649
LIM, CHAE MI 3,072,042
LIM, REBECCA SEOK WAI 3,071,671
LIMBACH, KIRK W. 3,071,183
LIMBACH, KIRK W. 3,071,184
LIMBACH, KIRK W. 3,071,238
LIMBACH, KIRK W. 3,071,239
LIMBACH, KIRK W. 3,071,240
LIMBACH, KIRK W. 3,071,241
LIMBACH, KIRK W. 3,071,242
LIMBACH, KIRK W. 3,071,243
LIMBACH, KIRK W. 3,071,244
LIMBACH, KIRK W. 3,071,437
LIME ENERGY CO. 3,071,848
LIN, ABRAHAM 3,071,408
LIN, CHIH-WEI 3,072,026
LIN, DAOSHU 3,071,199
LIN, RUI 3,071,708
LIN, SUNGSTE 3,071,035
LINCOLN UNIVERSITY 3,072,014
LIND, HOLGER 3,072,003
LINDBY, TORBEN 3,072,001
LINDKVIST, CHRISTER 3,071,116
LINDKVIST, CHRISTER 3,071,118
LINDKVIST, CHRISTER 3,071,121
LINDKVIST, CHRISTER 3,071,122
LINDKVIST, CHRISTER 3,071,124
LINDKVIST, CHRISTER 3,071,126
LINDKVIST, CHRISTER 3,071,141
LINDKVIST, CHRISTER 3,071,146
LINDKVIST, CHRISTER 3,071,148
LINDKVIST, CHRISTER 3,071,151
LINDKVIST, CHRISTER 3,071,154
LINDKVIST, CHRISTER 3,071,157
LINDKVIST, CHRISTER 3,071,666
LINDSLEY, CRAIG W. 3,072,081
LINTULA, NEA JANETTE 3,071,129
LIPKENS, BART 3,071,640
LIPOWSKY, GERD MARTIN 3,071,761
LIPTON, STUART A. 3,071,541
LIQUIBOX SPAIN SL 3,071,594
LITTLE, TODD 3,071,430
LITTLEFIELD, CHRISTOPHER 3,071,427
LITTLER, BENJAMIN J. 3,071,278
LIU, BO 3,071,638
LIU, BO 3,071,708
LIU, DANYANG 3,071,200
LIU, HAIWEN 3,071,488
LIU, HUI 3,071,199
LIU, HUI 3,071,405
LIU, JIE 3,071,193
LIU, LINGFENG 3,071,661
LIU, LIPING 3,072,002
LIU, MINGYAO 3,072,060
LIU, QIANYONG 3,070,805
LIU, RAN 3,072,026
LIU, RENMAO 3,071,169
LIU, SHAOLI 3,062,949
LIU, TAO 3,071,993
LIU, YAN 3,071,900
LIU, YUANJING 3,072,076
LIU, YUJIA 3,071,367
LIU, YUJIA 3,071,435
LIU, YUJIA 3,071,462
LIU, ZHIPENG 3,071,417
LIU, ZHIPENG 3,071,425
LIVINGSTON, DENNIS 3,071,923
LLOYD, DAVID 3,071,451
LM WIND POWER INTERNATIONAL TECHNOLOGY II APS 3,072,001
LM WIND POWER INTERNATIONAL TECHNOLOGY II APS 3,072,004
LOCUS IP COMPANY, LLC 3,071,247
LOGAN, WILLIAM KENNETH 3,071,941
LOGAN, WILLIAM KENNETH 3,071,942
LOGOS TECHNOLOGIES LLC 3,071,627
LOGTENBERG, MEIKE EMMA WILLEMIJN 3,070,828
LOHITHARN, NATTAPORN 3,071,627
LOMBARDI, FABIEN N. 3,071,667
LONEY, PATRICK ALAN 3,071,687
LONG, CURTIS D. 3,071,998
LONG, JEFFREY R. 3,071,263
LONG, JEFFREY R. 3,071,434
LOOTENS, DIDIER 3,071,857
LOOTENS, DIDIER 3,071,864
LOPES, JEFFREY D. 3,071,392
LOPEZ, PABLO BENITO 3,071,496
LORIA PRODUCTS LLC 3,071,849
LORIA, VICTOR 3,071,849
LOUBET, PIERRE-YVES 3,071,487
LOUSARARIAN, ADAM P. 3,071,328
LOUWRIER, ARIEL 3,071,634
LOVELACE, KEGAN L. 3,071,260
LOVELACE, KEGAN L. 3,071,262
LOVELACE, KEGAN L. 3,071,378
LOVELOCK, DALE MICHAEL 3,071,399
LOVGREN, KURT 3,071,182
LOVGREN, KURT 3,071,285
LOWE, JOHN A. III 3,071,861
LOWE, ROBERT M. 3,071,402
LOWERY, FRANK 3,072,087
LOWERY, GUY RUSSELL 3,072,055
LOWRY, DUSTIN J. 3,071,631
LOWRY, DUSTIN J. 3,071,632
LOWRY, DUSTIN J. 3,071,691
LOZEV, MARGARIT 3,071,338
LTS LOHMANN THERAPIE-SYSTEME AG 3,071,479

LTS LOHMANN THERAPIE-SYSTEME AG 3,072,008
LU, CHIHLI 3,071,965
LU, EN 3,071,299
LU, GENLIANG 3,072,076
LU, WEIFAN 3,071,310
LUBINSKY, ANTHONY 3,071,647
LUEHR, GARY 3,071,992
LUMENION GMBH 3,070,634
LUND, JESSE D. 3,071,501
LUND, JOHN 3,071,394
LUND, JOHN 3,071,404
LUND, JOHN 3,071,409
LUND, JOHN 3,071,416
LUNT, BENJAMIN STEVEN 3,070,979
LUOYANG LANDGLASS TECHNOLOGY CO., LTD. 3,071,297
LUOYANG LANDGLASS TECHNOLOGY CO., LTD. 3,071,470
LUOYANG LANDGLASS TECHNOLOGY CO., LTD. 3,071,471
LUPOWITZ, KEVIN 3,071,438
LUTTRULL, JEFFREY K. 3,071,937
LYKOVA, NATALYA ANATOLEVNA 3,071,371
MA, JUN 3,070,653
MA, LIN 3,071,314
MA, XIAOWEI 3,071,314
MAC JEE INDUSTRIA DE DEFESA LTDA. 3,071,196
MAC NAMARA, CARL DAVID 3,071,999
MACHAEL, JAY RICHARD 3,072,085
MACHETTIRA, ANU BHEEMAIAH 3,071,782
MACISAAC, LIAM 3,071,595
MACLEOD, ANGUS 3,071,143
MACLEOD, ANGUS 3,071,145
MACLEOD, ANGUS 3,071,150
MACROPHAGE PHARMA LIMITED 3,071,550
MADASU, SRINATH 3,071,996
MADDEN, DONALD 3,071,669
MADDINENI, SINDHURI 3,071,261
MADE IN SPACE, INC. 3,071,265
MADOU, MARC 3,071,367
MADOU, MARC 3,071,435
MADOU, MARC 3,071,462
MADSEN, JESPER 3,072,004
MAEKAWA TAKEHISA 3,071,073
MAEMOTO, MICHIHIRO 3,071,968
MAES, TAMARA 3,071,804
MAEZAKI, HIRONOBU 3,071,825
MAGGIORE, FRANK 3,071,725
MAGIC LEAP, INC. 3,071,819
MAGNUSON PRODUCTS, LLC 3,071,619
MAHATDEJKUL-MEADOWS, TINA 3,071,029
MAI, JASON HOANG 3,071,865
MAINI, BRIJESHWAR S. 3,071,391
MAINI, BRIJESHWAR S. 3,071,432
MAJEED, MUHAMMED 3,071,190
MAK, JENNIFER 3,071,658
MAKABE, TAKASHI 3,071,620
MALATHONG, VIENGKHAM 3,071,951
MALEKMEHR, FARSHAD 3,071,809
MALENFANT, PATRICK 3,071,505
MALIK, TAIMUR 3,071,631
MALIK, TAIMUR 3,071,632
MALIK, TAIMUR 3,071,691
MALKA, YONI 3,071,776
MALKA, YONI 3,071,808
MAMERI, MOUH OULHADJ 3,071,563
MANABE, AKIYOSHI 3,072,021
MANDAL, DEBASHIS 3,070,737
MANDGE, SHAILENDRA 3,071,261
MANIWA, KAZUAKI 3,071,181
MANLEY, KEVIN 3,072,020
MANNENT, LEDA 3,071,528
MAO, LEIDONG 3,071,593
MAPEN, BARRY E. 3,071,100
MARAPPAN, SUBRAMANIAN 3,072,076
MARDINOGLU, ADIL 3,071,350
MARGOLIS, BENJAMIN W. L. 3,071,937
MARINE POWER SYSTEMS LIMITED 3,071,770
MARINUCCI, ROBERT 3,071,439
MARIT, MICHAEL 3,071,578
MARKED VENTURES, LLC 3,071,188
MARLOW, CLINT J. 3,071,646
MAROM, LIRAZ 3,071,870
MARONEY, KYLE 3,071,407
MARSH, SALLY LOUISE 3,071,772
MARSHALL, LEWIS A. 3,071,816
MARSIK, TOMAS 3,071,223
MARTELL, JEFFREY D. 3,071,263
MARTIN SANZ, JUAN 3,071,592
MARTIN, ANDREW 3,071,665
MARTIN, ERIC 3,071,889
MARTIN, IAN 3,071,979
MARTINEZ DE CASTANEDA, FRANCISCO JAVIER 3,071,789
MARTINEZ, JORGE ELIZONDO 3,071,845
MARTINKO, ALEXANDER J. 3,063,719
MARX, SIMONE 3,071,479
MARZANI, BARBARA 3,071,317
MASLYN, WILLIAM T. 3,072,074
MASON, ANDREW JOHN 3,072,068
MASON, MATTHEW T. 3,071,407
MASOPUST JR., DAVID B. 3,071,583
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 3,071,295
MASSEY, RUTH CATHERINE 3,071,929
MASSI, SHAYNA 3,071,622
MAST GROUP LIMITED 3,072,023
MASTERCARD INTERNATIONAL INCORPORATED 3,071,787
MASTERCARD INTERNATIONAL INCORPORATED 3,071,803
MASTERCRAFT BOAT COMPANY, LLC 3,071,962
MASTERS, JAMES 3,070,931
MASTROGIANNIS, SPYRIDON 3,071,596
MATES, SHARON 3,071,119
MATES, SHARON 3,071,137
MATOORI, SIMON 3,071,798
MATOS, EDUARDO 3,071,841
MATSUNAGA, RYO 3,072,044
MATULEWICZ, KAROLINA 3,071,790
MATULLI, MARINA 3,071,053
MATUS, YURIY 3,071,689
MATZEN, MICHAEL OLE 3,071,499
MAXX BENCH 3,071,810
MAYER, FRANK F. E. 3,071,482
MBL LIMITED 3,071,332
MCCARTY II, DONALD L. 3,071,394
MCCARTY II, DONALD L. 3,071,401
MCCARTY II, DONALD L. 3,071,409
MCCARTY II, DONALD L. 3,071,416
MCCARTY, DONALD L. 3,071,389
MCCARTY, DONALD L., II 3,071,404
MCCARTY, MICHAEL W. 3,071,082
MCCLUSKEY, SEANIN MARIE 3,072,013
MCCORKLE, ERIC DEWAYNE 3,071,793
MCCOURT, RYAN P. 3,071,283
MCCOY, JOHN C., JR. 3,071,944
MCCOY, RYAN 3,071,097
MCEWAN, RODERICK NAIRN 3,071,422
MCGARIAN, BRUCE 3,071,763
MCGONNELL, AARON 3,071,450
MCGRANAGHAN, ANDREA 3,071,643
MCGRAW, JOSEPH 3,071,580
MCLEAN, MICHAEL D. 3,071,578
MCMAHAN, WILLIAM CHU-HYON 3,071,407
MCMAHON, JEFFREY 3,071,951
MCMANUS, DAVID FARNSWORTH 3,072,071
MCMENAMY, JUSTIN 3,070,801
MCMULLEN, CASEY R. 3,071,973
MCMURTRIE, DARREN J. 3,071,951
MCNAMARA, MATTHEW WILLIAM 3,071,271
MCNAMARA, MATTHEW WILLIAM 3,071,272
MCNAMARA, MATTHEW WILLIAM 3,071,307
MCNEILL, NEIL 3,071,595
MCPHERSON, THOMAS 3,071,945
MEADOWS, JEREMY LYNN 3,071,793
MEDCISION, INC. 3,071,945
MEDIMMUNE LLC 3,071,783
MEDIMMUNE, LLC 3,071,277
MEDINA, SARAH 3,054,856
MEDTRONIC MINIMED, INC. 3,071,820
MEDTRONIC MINIMED, INC. 3,071,888
MEEKER, DANIEL 3,071,836
MEGURO, HIROYUKI 3,071,235
MEHTA, VINAY K. 3,071,128
MEINHARDT, FRIEDHELM 3,071,309
MEISSNER, PAUL 3,071,340
MEKALA, VIJAYASEKHAR 3,071,641
MELANIS CO., LTD. 3,071,076
MELODEA LTD. 3,071,603
MEMORIAL SLOAN KETTERING CANCER CENTER 3,071,399
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,071,454

MENDEZ, GEETHA HIREMATH 3,071,078
MENSA, FEDERICO 3,072,026
MENTINK, LEON 3,071,546
MERCK PATENT GMBH 3,071,575
MERCK SHARP & DOHME CORP. 3,071,537
MERCK SHARP & DOHME CORP. 3,071,538
MERRILL, ZACHARY ALEXANDER 3,071,531
METALOGENIA RESEARCH & TECHNOLOGIES S.L. 3,071,081
METROM RAIL, LLC 3,071,985
METZLER, RICHARD 3,071,279
MEYER, ANDRE 3,071,298
MEYER, ARON 3,072,071
MEYERSON, MATTHEW 3,071,795
MEYERSON, MATTHEW 3,071,800
MIANZO, LAWRENCE A. 3,071,517
MIAO, YINGYING 3,028,643
MIAO, ZHAOBANG 3,071,690
MICHAEL, NIKOLAOS A. 3,070,974
MICHALOPOULOS, KONSTANTINOS 3,071,107
MICHAUD, BENJAMIN JOSEPH 3,071,460
MICROBEDX, INC. 3,071,367
MICROBEDX, INC. 3,071,435
MICROBEDX, INC. 3,071,462
MIKAMI, SATOSHI 3,071,972
MIKASHIMA, TAKUMI 3,071,363
MIKHAIL, GEORGE 3,072,017
MILLAR, GARY BRET 3,071,653
MILLER, DAVID 3,071,143
MILLER, DAVID 3,071,145
MILLER, DAVID 3,071,150
MILLER, PETER 3,071,147
MILLER, VANDANA 3,071,408
MILLIKEN & COMPANY 3,071,535
MILNER, PHILLIP J. 3,071,263
MILNER, PHILLIP J. 3,071,434
MILTICH, THOMAS P. 3,071,888
MINACHI, ALI 3,072,053
MINEGISHI, AYUMI 3,072,038
MINER, KYLE 3,071,930
MISCHKE, MICHAEL 3,071,373
MITCHELL, CHRISTOPHER, R. 3,071,104
MITEK COPR., INC. 3,071,791
MITEK CORP., INC. 3,071,556
MITEK CORP., INC. 3,071,732
MITEK CORP., INC. 3,071,734
MITKIDIS, GEORGIOS 3,070,885
MITKIDIS, GEORGIOS 3,071,995
MITSUBISHI ELECTRIC CORPORATION 3,071,181
MITSUBISHI GAS CHEMICAL COMPANY, INC. 3,071,975
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,071,369
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,071,602
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,071,767
MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD. 3,071,785
MITTAL, KHUSHBOO 3,071,111
MIURA, SUSUMU 3,071,098
MIYAKE, TAIJI 3,071,569
MIYANOHANA, YUHEI 3,071,972
MIYAZAKI, TOHRU 3,071,825
MIYAZAKI,TOHRU 3,071,972
MIZER, SCOTT EUGENE 3,071,692
MIZKAN HOLDINGS CO., LTD. 3,071,083
MIZOBE, NORIMASA 3,071,233
MIZRAHI, ITZHAK 3,071,964
MIZRAHI, NOAM 3,071,870
MMI, LLC 3,071,379
MO, JUE 3,071,456
MOCK, MARISSA 3,071,376
MODARRES RAZAVI, SARA 3,071,876
MOELLENDICK, TIMOTHY E. 3,072,028
MOFFAT, DAVID FESTUS CHARLES 3,071,550
MOFFITT, JULIE 3,071,131
MOHAMMED, ABDUL RASHEED 3,071,084
MOK, JANINE 3,071,816
MOLNAR, GREGORY FREDERICK 3,071,628
MOLONEY, JEREMY 3,071,545
MONASH UNIVERSITY 3,071,671
MONICO, ROHAN 3,071,393
MONNARD, FABIEN WILHELM 3,071,662
MONRAD, RUNE NYGAARD 3,071,078
MONSANTO TECHNOLOGY LLC 3,065,297
MONSANTO TECHNOLOGY LLC 3,071,117
MONTAGUE, JAMES 3,071,947
MONTALBANO, CHRISTOPHER 3,071,665
MONTALBANO, GREGORY 3,071,665
MONTI, GABRIEL 3,071,367
MONTI, GABRIEL 3,071,435
MONTI, GABRIEL 3,071,462
MONTOYA, ANDRES 3,071,658
MONTRONE, DONATO 3,071,080
MOON, MYUNG 3,071,613
MOON, SUN, HEE 3,071,836
MOORE, JOHN P., II 3,071,443
MOORE, KIERAN JOHN 3,071,127
MORALES VIZCAINO, JOSE VICENTE 3,071,594
MORGENSTERN, DAVID A. 3,065,297
MORIGUCHI, SHIGEKI 3,071,615
MORIKAWA, MIWAKO 3,071,805
MORITA KEISUKE 3,071,073
MOROCZ BAZZANI, FRANCISCO A. 3,071,845
MORRIS, DAVID R. 3,071,616
MORRIS, STEVE 3,071,393
MOSCHINI, DINO 3,071,474
MOSKAL, ARKADIUSZ 3,071,790
MOSS, WILLIAM A., JR. 3,071,260
MOSS, WILLIAM A., JR. 3,071,378
MOSSEL, RICHARD 3,071,110
MOTLEY, JEFFREY 3,071,701
MOTT, GLENN ADAM 3,071,294
MOTUS MECHANICS LTD 3,071,459
MOTUS MECHANICS LTD 3,071,465
MOUNTFORD, GORDON W. 3,071,158
MROZ, PAULINA 3,071,790
MUELLER INTERNATIONAL, LLC 3,071,890
MUELLER, CHRISTIAN 3,071,846
MUIK, ALEXANDER 3,071,211
MUKHERJEE, SOURISH 3,071,261
MULCAHY, RIONA 3,071,786
MULDER, IMKE ELISABETH 3,072,013
MULLER, ROLF 3,071,155
MULLINGS, KENO 3,071,398
MULTHOFF, GABRIELE 3,071,217
MULTI RADIANCE MEDICAL 3,071,842
MULTI-CHEM GROUP, LLC 3,071,507
MULTIMMUNE GMBH 3,071,217
MULTRUS, MARKUS 3,071,208
MUNDRA, MANISH K. 3,072,065
MUNN, CHRIS 3,071,658
MUNSON, MATTHEW S. 3,071,816
MURPHY, ANDREW J. 3,071,712
MURRAY, JAMES SCOTT 3,071,616
MUSCHEN, CATHERINE 3,071,764
MUSCROFT, WILLIAM 3,071,108
MUSIELAK, GERD 3,071,300
MUSSELMAN, EVAN T. 3,071,559
MYERS, KYLE A. 3,071,389
MYERS, KYLE A. 3,071,401
MYERS, MICHAEL D. 3,071,962
MYERSON, RICHARD 3,071,491
MYOKARDIA, INC. 3,071,948
MYRFIELD, WARREN JR. 3,071,413
MYRIAD GENETICS, INC. 3,071,597
NABI, ZEENAT 3,070,931
NADAL ALEMANY, ROSER 3,071,804
NAGABHUSHANAM, KALYANAM 3,071,190
NAGAMATSU, TOMOHISA 3,071,744
NAGATA, SATOSHI 3,071,095
NAGATA, SATOSHI 3,071,362
NAGATA, SATOSHI 3,071,784
NAIR, VINOD BALAKRISHNAN 3,071,261
NAKAGAMI, HIROYUKI 3,071,818
NAKAMURA, NORIMASA 3,072,041
NAKAMURA, SHINJI 3,071,369
NAKANE, JUNICHI 3,071,356
NAMIKI, KAZUSHIGE 3,071,229
NANAI, KAYOKO 3,071,234
NANGENEX NANOTECHNOLOGY INCORPORATED 3,071,421
NANOSTRING TECHNOLOGIES, INC. 3,071,618
NANOV DISPLAY INC. 3,071,613
NANT HOLDINGS IP, LLC 3,071,674
NANTKWEST, INC. 3,071,983

NARANAYAN, SUDARSHAN 3,072,069
NARAYAN, MURLI 3,071,539
NARAYANAN, SUDARSHAN 3,071,956
NARAYANAN, SUDARSHAN 3,071,967
NARAYANAN, SUDARSHAN 3,071,971
NARODE, SUNIL DNYANESHWAR 3,071,226
NASONKIN, IGOR 3,071,648
NASSER, LINA MARIA 3,071,103
NATIONAL NAIL CORP. 3,071,807
NATIONAL RESEARCH COUNCIL OF CANADA 3,071,505
NATIONAL UNIVERSITY CORPORATION SHIGA UNIVERSITY OF MEDICAL SCIENCE 3,072,044
NATIONAL UNIVERSITY OF SINGAPORE 3,071,282
NATURAL SCIENCE, LLC 3,071,094
NAUNHEIMER, CHRISTOPHER 3,071,109
NAUNHEIMER, CHRISTOPHER 3,071,250
NAUNHEIMER, CHRISTOPHER 3,071,251
NAUNHEIMER, CHRISTOPHER 3,071,252
NAUREX INC. 3,071,269
NBE-THERAPEUTICS AG 3,071,212
NBIOTECH CO., LTD. 3,071,088
NEC CORPORATION 3,071,690
NELLIAPPAN, VEERA 3,070,957
NELSON, DANIEL 3,071,097
NELSON, DONALD DOUGLAS 3,071,530
NEOPEP PHARMA GMBH & CO. KG 3,072,009
NEUBARTH, STUART KYLE 3,071,069
NEUMAN, TOOMAS 3,071,766
NEUMANN, CONSTANZE 3,070,737
NEUROPN THERAPEUTICS 3,071,385
NEVO, YUVAL 3,071,603
NEVOLA, LAURA 3,071,601
NEVOLA, LAURA 3,071,642
NEW YORK AIR BRAKE LLC 3,071,255
NEWSOUTH INNOVATIONS PTY LIMITED 3,071,561
NEXTGEN360 LTD. 3,071,792
NG, IOK CHAN 3,072,026
NG, SEAN 3,071,643
NGUYEN, LAM 3,071,337
NGUYEN, QUYEN T. 3,071,835
NIAZI, KAYVAN 3,071,674
NICOLE, CELINE CATHERINE SARAH 3,071,310
NICOLETTI, DANIEL 3,071,237
NIE, QIHONG 3,071,501
NIED, STEPHAN 3,071,773
NIELSEN, LAURA 3,071,093
NIELSEN, LAURA 3,071,177
NIELSON, RYAN LOUIS 3,071,292
NIENSTEDT GMBH 3,071,902
NIGG, ANDRIN 3,069,911
NIJLUNSING, RUTGER 3,071,079
NIJSEN, ANDREAS JACOBUS LOUIS 3,071,788
NIKEL, KIRILL ALBERTOVICH 3,070,834
NING, CHENXI 3,071,291
NIPRO CORPORATION 3,071,818
NIROGI, RAMAKRISHNA 3,071,084
NISHINO, TAITO 3,071,363
NISHIYAMA, HIRONORI 3,071,980
NISSAN CHEMICAL CORPORATION 3,071,363
NISSAN MOTOR CO., LTD. 3,071,087
NISSAN MOTOR CO., LTD. 3,071,091
NISSAN MOTOR CO., LTD. 3,071,098
NISSAN MOTOR CO., LTD. 3,071,227
NISSAN MOTOR CO., LTD. 3,071,228
NISSAN MOTOR CO., LTD. 3,071,229
NISSAN MOTOR CO., LTD. 3,071,358
NISSAN MOTOR CO., LTD. 3,071,604
NISSAN MOTOR CO., LTD. 3,071,780
NISSAN MOTOR CO., LTD. 3,072,034
NISSHINBO CHEMICAL INC. 3,072,041
NISSLEY, TRAVIS 3,071,386
NIZAMIDIN, NABI 3,071,631
NIZAMIDIN, NABI 3,071,632
NIZAMIDIN, NABI 3,071,691
NOCERA, ANTHONY JR. 3,071,949
NOCERA, JR., ANTHONY 3,071,950
NODA, RYUTA 3,072,038
NOJIRI, TAKAHIRO 3,071,227
NOJIRI, TAKAHIRO 3,071,228
NOJIRI, YAMATO 3,071,620
NOLAN, JOHN 3,071,786
NOMOCAN PHARMACEUTICALS LLC 3,071,105
NONNENMACHER, MATHIEU E. 3,071,978
NOOK, JONATHAN LEWIS 3,071,703
NOOK, JONATHAN LEWIS 3,072,059
NOOK, JONATHAN LEWIS 3,072,073
NOOK, WILLIAM KNIGHT 3,071,703
NOOK, WILLIAM KNIGHT 3,072,059
NOOK, WILLIAM KNIGHT 3,072,073
NOPPERS, JOSIEN MATHILDE ELISABETH 3,070,653
NORRID, WILLIAM 3,071,266
NORRIS, JOSEPH 3,071,293
NORTHROP GRUMMAN SYSTEMS CORPORATION 3,071,687
NORTHSTAR BATTERY COMPANY, LLC 3,071,116
NORTHSTAR BATTERY COMPANY, LLC 3,071,118
NORTHSTAR BATTERY COMPANY, LLC 3,071,121
NORTHSTAR BATTERY COMPANY, LLC 3,071,122
NORTHSTAR BATTERY COMPANY, LLC 3,071,124
NORTHSTAR BATTERY COMPANY, LLC 3,071,126
NORTHSTAR BATTERY COMPANY, LLC 3,071,141
NORTHSTAR BATTERY COMPANY, LLC 3,071,146
NORTHSTAR BATTERY COMPANY, LLC 3,071,148
NORTHSTAR BATTERY COMPANY, LLC 3,071,151
NORTHSTAR BATTERY COMPANY, LLC 3,071,154
NORTHSTAR BATTERY COMPANY, LLC 3,071,157
NORTHSTAR BATTERY COMPANY, LLC 3,071,666
NORTHWESTERN UNIVERSITY 3,071,534
NORTON, ANGELA 3,071,966
NORTON, TIMOTHY 3,071,490
NOTH, ANDRE 3,071,874
NOURYON CHEMICALS INTERNATIONAL B.V. 3,071,554
NOURYON CHEMICALS INTERNATIONAL B.V. 3,071,903
NOURYON CHEMICALS INTERNATIONAL B.V. 3,071,926
NOURYON CHEMICALS INTERNATIONAL B.V. 3,071,927
NOVACEK, THOMAS 3,071,483
NOVAK, JOHN F. 3,072,056
NOVAK, JOHN F. 3,072,058
NOVAK, JOHN F. 3,072,062
NOVAK, JOHN F. 3,072,063
NOVELIS INC. 3,071,688
NOVO NORDISK A/S 3,071,686
NOVOZYMES A/S 3,071,078
NOVOZYMES A/S 3,071,838
NOVOZYMES BIOAG A/S 3,065,297
NOWAK, GREGOR JACEK 3,071,300
NOWAK, THOMAS 3,072,003
NTT DOCOMO, INC. 3,071,095
NTT DOCOMO, INC. 3,071,180
NTT DOCOMO, INC. 3,071,362
NTT DOCOMO, INC. 3,071,762
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