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Canada

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.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (**www.wipo.int/scit/en/standards/standards.htm**).

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. Handling fee (Rule 57.2(*a*)) **$260**

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **260 $**

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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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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

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

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

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.

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.

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

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.

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.

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 September 1, 2020 contains applications open to public inspection from August 16, 2020 to August 22, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 1 septembre 2020 contient les demandes disponibles au public pour consultation pour la période du 16 août 2020 au 22 août 2020.

16. Erratum

The information concerning the patent 2,970,033 granted on August 25, 2020, referred to under the section "Canadian Patents Issued" of the *Canadian Patent Office Record* of August 25, 2020 was incorrect. Please note that patent number 2,970,033 did not issue on August 25, 2020.

16. Erratum

Les renseignements concernant le brevet numéro 2,970,033 octroyé sous la rubrique « Brevets canadiens délivrés» de la *Gazette du Bureau des brevets* du 25 août 2020 sont inexacts. Veuillez noter que le brevet numéro 2,970,033 n'a pas été octroyé le 25 août 2020.

Canadian Patents Issued

September 1, 2020

Brevets canadiens délivrés

1 septembre 2020

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[72] GOIX, PHILIPPE, US
[72] PUSKAS, ROBERT, US
[72] TODD, JOHN, US
[72] LIVINGSTON, RICHARD, US
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[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[54] **MULTITYPE HPV PEPTIDE COMPOSITIONS AND METHODS FOR TREATMENT OR PREVENTION OF HUMAN PAPILLOMAVIRUS INFECTION**
[54] **COMPOSITIONS DE PEPTIDE HPV MULTITYPE ET PROCEDES DE TRAITEMENT OU DE PREVENTION D'UNE INFECTION PAR PAPILLOMAVIRUS HUMAIN**
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[51] **Int.Cl. C12N 15/29 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **MYB14 SEQUENCES AND USES THEREOF FOR FLAVONOID BIOSYNTHESIS**
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[54] **ANTISENSE COMPOSITIONS AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSITIONS ANTISENS ET PROCEDES DE PREPARATION ET D'UTILISATION DE CELLES-CI**
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[72] ARENS-DE REUVER, MARION JOHANNA BARBARA, NL
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[54] **UNITES D'ENTREE/SORTIE, RESEAUX, SYSTEMES ET METHODES POUR LA TRANSMISSION RADIO MULTIVOIE AVEC PROTOCOLE DE ROUTAGE PRIORISE SUR DEMANDE**
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[54] **VITRAGE TRANSPARENT PERFORE POUR RECUPERATION DE CHALEUR ET CHAUFFAGE SOLAIRE DE L'AIR**
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[73] BLACKBERRY LIMITED, CA
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[54] **COMPOSES CONTENANT DE LA TRIMETHYLAMINE DANS LE DIAGNOSTIC ET LA PREDICTION DE MALADIE**
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[72] WANG, ZENENG, US
[72] LEVISON, BRUCE L., US
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[54] **COLLECTEUR DE PREUVES POSSEDANT DES REACTIFS QUANTIFIES INTEGRES ET PROCEDE DE MODULATION DU TEMPS DE SECHAGE DES ECHANTILLONS**
[72] SANGHA, JANGBIR S., US
[73] THE BODE TECHNOLOGY GROUP, INC., US
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[54] **SOUCHES DE LEVURE ET LEURS APPLICATIONS A LA PRODUCTION DE LIPIDES**
[72] APT, KIRK E., US
[72] BARCLAY, WILLIAM R., US
[72] BEHRENS, PAUL WARREN, US
[73] DSM IP ASSETS B.V., NL
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[54] **PROPHYLAXIE DU CANCER COLORECTAL ET GASTRO-INTESTINAL**
[72] HOUHOU, LEILA, FR
[72] JOUBERT, DOMINIQUE, FR
[72] HOLLANDE, FREDERIC, FR
[72] PETREMANN, MATHIEU, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
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[73] JOY GLOBAL SURFACE MINING INC, US
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[54] **PROCEDE DE FABRICATION DE COMPOSANTS PAR MOULAGE SOUS PRESSIO**
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[72] HERRMANN, CHRISTIAN, DE
[72] NIEDERMEIER, KORBINIAN, DE
[72] WEIZENBECK, RICHARD, DE
[73] MAGNA BDW TECHNOLOGIES GMBH, DE
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[54] **METHOD OF INSTALLING ELONGATE BODIES IN A BUILDING**
[54] **PROCEDE D'INSTALLATION DE CORPS ALLONGES DANS UN BATIMENT**
[72] COSCARELLA, GABE, CA
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[54] **ASSAY DEVICE HAVING MULTIPLE REAGENT CELLS**
[54] **DISPOSITIF D'ESSAI COMPORTANT DE MULTIPLES CELLULES REACTIVES**
[72] DING, ZHONG, US
[73] ORTHO-CLINICAL DIAGNOSTICS, INC., US
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[54] **METHOD FOR CONTROLLING AIR VOLUME OUTPUT PROVIDED BY MOTOR AND AIR-CONDITIONING FAN SYSTEM**
[54] **PROCEDE DE REGULATION D'UNE SORTIE DE VOLUME D'AIR FOURNIE PAR UN MOTEUR ET UN SYSTEME DE VENTILATEUR DE CLIMATISATION**
[72] HU, GE, CN
[72] ZHANG, XIANSHENG, CN
[73] ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD., CN
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[54] **PROCEDE D'ANALYSE D'UN ECHANTILLON DE SANG D'UN SUJET DANS LE BUT DE DETECTER LA PRESENCE D'UN MARQUEUR D'UNE MALADIE**
[72] WUERDINGER, THOMAS, NL
[72] NILSSON, ROLF JONAS, NL
[73] STICHTING VUMC, NL
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[54] **MUTATED PROTOPORPHYRINOGEN IX OXIDASE (PPX) GENES**
[54] **GENES DE LA PROTOPORPHYRINOGENE IX OXYDASE (PPX) MUTES**
[72] GOCAL, GREGORY F.W., US
[72] BEETHAM, PETER R., US
[72] DE SCHOPKE, AURA, US
[72] DUMM, SARAH, US
[72] PEARCE, JAMES, US
[72] SCHOPKE, CHRISTIAN, US
[72] WALKER, KEITH A., US
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[54] **SELF-CONTAINED CIRCULATION SYSTEM AND METHOD OF USE THEREOF**
[54] **SYSTEME DE CIRCULATION AUTONOME ET SON PROCEDE D'UTILISATION**
[72] MARX, UWE, DE
[72] LINDNER, GERD, DE
[72] HORLAND, REYK, DE
[72] HOFFMANN, SILKE, DE
[72] LAUSTER, ROLAND, DE
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[54] **VIAL PREPARATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME DE PREPARATION DE FLACONS**
[72] WENSLEY, EMMA J., US
[72] KNILL, ANDREW MALCOLM, AU
[72] SUENDERMANN, JOHN FREDRIC, AU
[73] HOSPIRA AUSTRALIA PTY LTD, AU
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[54] **HYDRAULIC POWER SYSTEM FOR A UTILITY VEHICLE**
[54] **SYSTEME D'ALIMENTATION HYDRAULIQUE POUR UN VEHICULE UTILITAIRE**
[72] BECKMAN, BLAKE, CA
[72] FAIRBROTHER, BLAINE, CA
[73] HER MAJESTY THE QUEEN IN THE RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE, CA
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[54] **CONCEPTION D'UN OBJET MODELISE EN 3D**
[72] MAISONNEUVE, RICHARD, FR
[73] DASSAULT SYSTEMES, FR
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[25] EN
[54] **ZINC-FREE SPRAY POWDER, COPPER-CONTAINING THERMAL SPRAY LAYER, AS WELL AS METHOD OF MANUFACTURING A COPPER-CONTAINING THERMAL SPRAY LAYER**
[54] **POUDRE DE PULVERISATION EXEMPTE DE ZINC, COUCHE DE PULVERISATION THERMIQUE CONTENANT DU CUIVRE ET PROCEDE DE FABRICATION D'UNE COUCHE DE PULVERISATION THERMIQUE CONTENANT DU CUIVRE**
[72] DISTLER, BERND, CH
[72] ERNST, PETER, CH
[73] OERLIKON METCO AG, WOHLEN, CH
[86] (2814561)
[87] (2814561)
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[54] **METHOD AND SYSTEM FOR INTERACTIVE VISUALIZATION OF HIERARCHICAL TIME SERIES DATA**
[54] **PROCEDE ET SYSTEME DE VISUALISATION INTERACTIVE DE DONNEES CHRONOLOGIQUES HIERARCHIQUES**
[72] ARKSEY, NICOLE DANIELLE, CA
[72] TELFER, ANGUS RICHARD, CA
[72] BLACKSTOCK, MICHAEL ANTHONY, CA
[73] INETCO SYSTEMS LIMITED, CA
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[54] **APPARATUS AND PROCESS FOR CONCENTRATING A SEPARABLE COMPONENT OF A SLURRY**
[54] **APPAREIL ET PROCEDE POUR CONCENTRER UN COMPOSANT SEPARABLE D'UNE BOUE**
[72] MOGILEVSKI, MIKHAIL, CA
[73] ICEGEN PATENT CORP., CA
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[54] **COMPOSES INHIBITEURS DE METALLOENZYMES**
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[72] SCHOTZINGER, ROBERT J., US
[72] RAFFERTY, STEPHEN WILLIAM, US
[73] INNOCRIN PHARMACEUTICALS, INC., US
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[54] **ENSEMBLE D'ANNEAUX PREHENSEURS**
[72] MACKIE, KENNETH JOHN, GB
[72] UDALL, KENNETH FRANKLIN, GB
[73] ROLLS-ROYCE PLC, GB
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[72] TULLOCH, KABEDE, US
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[54] **THERMAL TRANSFERRING METHOD AND STRUCTURAL DEVICE UTILIZING THERMAL ENERGY BODY PERFORMING VIBRATION DISPLACEMENT TO FLUID**
[54] **PROCEDE DE TRANSFERT THERMIQUE ET DISPOSITIF STRUCTUREL UTILISANT UN CORPS D'ENERGIE THERMIQUE EFFECTUANT UN DEPLACEMENT PAR VIBRATION DU FLUIDE**
[72] YANG, TAI-HER, TW
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[54] **ANALYSE DE SIGNAUX D'ELECTROENCEPHALOGRAMME POUR DETECTER UNE HYPOGLYCEMIE**
[72] MADSEN, RASMUS ELSBORG, DK
[72] JENSEN, RASMUS STIG, DK
[73] UNEEG MEDICAL A/S, DK
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[54] **METHOD AND APPARATUS FOR CONTROLLING TOUCH SCREEN USING TIMELINE BAR, RECORDING MEDIUM WITH PROGRAM FOR THE SAME RECORDED THEREIN, AND USER TERMINAL HAVING THE SAME**
[54] **PROCEDE ET APPAREIL DE CONTROLE D'UN ECRAN TACTILE A L'AIDE D'UNE BARRE CHRONOLOGIQUE, SUPPORT D'ENREGISTREMENT QUI CONTIENT UN PROGRAMME ASSOCIE, ET TERMINAL UTILISATEUR MUNI DECE PROGRAMME**
[72] HWANG, SUNG-JAE, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
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[25] EN
[54] **SEMICONDUCTOR DEVICE AND METHOD FOR REDUCED BIAS TEMPERATURE INSTABILITY (BTI) IN SILICON CARBIDE DEVICES**
[54] **DISPOSITIF SEMI-CONDUCTEUR ET PROCEDE PERMETTANT DE REDUIRE L'INSTABILITE DE TEMPERATURE A POLARISATION DANS LES DISPOSITIFS EN CARBURE DE SILICIUM**
[72] MICHAEL, JOSEPH DARRYL, US
[72] ARTHUR, STEPHEN DALEY, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (2822132)
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[54] **DEVICE HAVING REDUCED BIAS TEMPERATURE INSTABILITY (BTI)**
[54] **DISPOSITIF A INSTABILITE DE TEMPERATURE DE POLARISATION REDUITE**
[72] MICHAEL, JOSEPH DARRYL, US
[72] ARTHUR, STEPHEN DALEY, US
[72] JOHNSON, TAMMY LYNN, US
[72] LILIENFELD, DAVID ALAN, US
[73] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **MACHINE FOR SEPARATING SHEETS OF CARTONS**
[54] **MACHINE SERVANT A SEPARER LES FEUILLES DE CARTONS**
[72] ZACCHE', VANNI, IT
[72] MUSITELLI, SERGIO, IT
[72] PAGANELLI, MARCO, IT
[73] SMI S.P.A., IT
[86] (2822984)
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[54] **WOUND HEALING DEVICE COMPRISING PROTEIN FACTORS ADSORBED ONTO A SUTURE**
[54] **COMMUNICATIONS CHIFFREES POUR UN ENVIRONNEMENT DE BARRIERE MOBILE**
[72] STEED, DAVID L., US
[72] RUPP, RANDALL G., US
[72] WESSEL, HOWARD C., US
[73] NOVEOME BIOTHERAPEUTICS, INC., US
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[25] EN
[54] **NOVEL HETEROCYCLIC DERIVATIVES AND THEIR USE IN THE TREATMENT OF NEUROLOGICAL DISORDERS**
[54] **NOUVEAUX DERIVES HETEROCYCLIQUES ET LEUR UTILISATION DANS LE TRAITEMENT DE TROUBLES NEUROLOGIQUES**
[72] BADIGER, SANGAMESH, IN
[72] CHEBROLU, MURALI, IN
[72] HURTH, KONSTANZE, CH
[72] JACQUIER, SEBASTIEN, CH
[72] LUEOEND, RAINER MARTIN, CH
[72] MACHAUER, RAINER, CH
[72] RUEEGER, HEINRICH, CH
[72] TINTELNOT-BLOMLEY, MARINA, CH
[72] VEENSTRA, SIEM JACOB, CH
[72] VOEGTLE, MARKUS, CH
[73] NOVARTIS AG, CH
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[54] **PROCESS AND DEVICE FOR UNLOADING PARTICULATE MATERIAL FROM A VESSEL**
[54] **PROCEDE ET DISPOSITIF DE DECHARGEMENT DE MATERIAU PARTICULAIRE D'UN CONTENANT**
[72] STANDER, ADRIAAN, FR
[73] PETROVAL, FR
[86] (2824542)
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[54] **ULTRASONIC PROBE WITH ULTRASONIC TRANSDUCERS ADDRESSABLE ON COMMON ELECTRICAL CHANNEL**
[54] **SONDE A ULTRASONS COMPRENANT DES TRANSDUCTEURS A ULTRASONS POUVANT ETRE ADRESSES SUR UN CANAL ELECTRIQUE COMMUN**
[72] COURTNEY, BRIAN, CA
[72] THIND, AMANDEEP, CA
[73] SUNNYBROOK HEALTH SCIENCES CENTRE, CA
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[54] **TWO-WAY ADJUSTABLE TOILET FLAPPER VALVE AND ASSEMBLY**
[54] **CLAPET ET ENSEMBLE A BATTANT DE TOILETTES REGLABLE A DEUX VOIES**
[72] GUTHRIE, KEVIN J., US
[73] LAVELLE INDUSTRIES, INC., US
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[54] **METHOD, COMPOSITION AND PACKAGE FOR BOWEL CLEANSING**
[54] **PROCEDE, COMPOSITION ET MODULE POUR LE NETTOYAGE DE L'INTESTIN**
[72] SHAVER, WILLIAM A., US
[73] SHAVER, WILLIAM A., M.D., US
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[25] EN
[54] **DOSAGE REGIMEN, MEDICATION DISPENSING PACKAGE AND USES THEREOF FOR THE TREATMENT OF MAJOR DEPRESSIVE DISORDER**
[54] **REGIME POSOLOGIQUE, EMBALLAGE DISTRIBUTEUR DE MEDICAMENT ET UTILISATIONS ASSOCIEES POUR LE TRAITEMENT DE TROUBLES DEPRESSIFS MAJEURS**
[72] HERESCO-LEVY, URIEL, IL
[72] JAVITT, DANIEL, US
[73] SARAH HERZOG MEMORIAL HOSPITAL EZRAT NASHIM ASSOCIATION, IL
[85] 2013-07-31
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[54] **COMPRESSOR SURGE PREVENTION DIGITAL SYSTEM**
[54] **DISPOSITIF NUMERIQUE DE PREVENTION DE SURTENSION DANS UN COMPRESSEUR**
[72] HOANG, TUYEN TRONG, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2826299)
[87] (2826299)
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[54] **GAS GENERATOR CASE REPAIR**
[54] **REPARATION D'UN BOITIER DE GENERATEUR A GAZ**
[72] COLE, DANIEL SUTRA, CA
[72] BEAULIEU, GUY, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2826488)
[87] (2826488)
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[25] EN
[54] **APPARATUS AND METHODS TO CREATE AND MAINTAIN AN INTRA-ATRIAL PRESSURE RELIEF OPENING**
[54] **APPAREIL ET PROCEDES POUR CREER ET MAINTENIR UNE OUVERTURE D'EVACUATION DE PRESSION INTRA-AURICULAIRE**
[72] CELERMAJER, DAVID, AU
[72] MCNAMARA, EDWARD I., US
[72] SUTHERLAND, MICHAEL J., US
[72] SUGIMOTO, HIROATSU, US
[73] CORVIA MEDICAL, INC., US
[85] 2013-08-09
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[54] **STEM CELLS PACKAGING AND SHIPPING**
[54] **EMBALLAGE ET EXPEDITION DE CELLULES SOUCHES**
[72] YOUNG, WISE, US
[72] SUN, DONGMING, US
[72] FLEISCHAKER, ROBERT, US
[72] TSANG, KAM SZE KENT, CN
[73] STEMCYTE, INC., US
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[54] **CRANE MACHINE WITH ARTICULATED ARM**
[54] **MACHINE DE LEVAGE DOTEE D'UN BRAS ARTICULE**
[72] CORMIDI, ARMANDO, IT
[73] CORMIDI S.R.L., IT
[86] (2828004)
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[25] EN
[54] **AN ORGANIC RANKINE CYCLE FOR MECHANICAL DRIVE APPLICATIONS**
[54] **CYCLE RANKINE ORGANIQUE POUR APPLICATIONS D'ENTRAINEMENT MECANIQUE**
[72] BURRATO, ANDREA, IT
[73] NUOVO PIGNONE SRL, IT
[86] (2828515)
[87] (2828515)
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[25] EN
[54] **PIPE JOINING MATERIAL FOR CONNECTING PIPES**
[54] **MATERIAU DE RACCORDEMENT DE TUYAUX POUR RACCORDER DES TUYAUX**
[72] CONRAD, WAYNE ERNEST, CA
[72] CONRAD, NINA, CA
[72] BURKE, BRIAN, CA
[72] VIVIAN, DON, CA
[72] MILLMAN, ALLAN, CA
[73] OMACHRON INTELLECTUAL PROPERTY INC., CA
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[87] (2829075)
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[54] **SECONDARY INTERIOR WINDOW INSERT**
[54] **INSERT FENETRE INTERIEURE SECONDAIRE**
[72] STOYKE, ECKHART, CA
[73] STOYKE, ECKHART, CA
[85] 2013-09-25
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[25] EN
[54] **METHOD FOR ESTIMATING CONTENT OF FINE PARTICLES IN SLURRY AND PROCESS FOR PRODUCING HYDROCARBON OIL**
[54] **PROCEDE D'ESTIMATION DE LA TENEUR EN FINES PARTICULES D'UNE SUSPENSION ET PROCEDE DE PRODUCTION D'UNE HUILE HYDROCARBONEE**
[72] HAYASAKA, KAZUAKI, JP
[73] JAPAN OIL, GAS AND METALS NATIONAL CORPORATION, JP
[73] INPEX CORPORATION, JP
[73] JX NIPPON OIL & ENERGY CORPORATION, JP
[73] JAPAN PETROLEUM EXPLORATION CO., LTD., JP
[73] COSMO OIL CO., LTD., JP
[73] NIPPON STEEL & SUMIKIN ENGINEERING CO., LTD., JP
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[54] **MULTI-FUNCTIONAL CATHETER**
[54] **CATHETER MULTIFONCTIONNEL**
[72] MULROONEY, CONOR, GB
[73] PHAGENESIS LIMITED, GB
[85] 2013-09-30
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[54] **ICE RESISTANT PITOT TUBE**
[54] **TUBE DE PITOT RESISTANT AU GIVRAGE**
[72] SEIDEL, GREG, US
[72] GOLLY, TIMOTHY THOMAS, US
[72] JOHNSON, PAUL ROBERT, US
[73] ROSEMOUNT AEROSPACE, INC., US
[86] (2831984)
[87] (2831984)
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[30] US (61/720,643) 2012-10-31

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[54] **SILANE CROSSLINKABLE POLYMER COMPOSITION**
[54] **COMPOSITION DE POLYMERE RETICULABLE PAR DES SILANES**
[72] DAHLEN, KRISTIAN, SE
[72] GKOURMPIS, THOMAS, SE
[72] SULTAN, BERNT-AKE, SE
[72] ANKER, MARTIN, SE
[72] NYLANDER, PERRY, SE
[72] FAGRELL, OLA, SE
[72] LINDBOM, LENA, SE
[72] VERHEULE, BART, BE
[73] BOREALIS AG, AT
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[25] EN
[54] **PROCESS FOR CONDITIONING A HIGH EFFICIENCY ETHYLENE OXIDE CATALYST**
[54] **PROCEDE DE CONDITIONNEMENT D'UN CATALYSEUR D'OXYDE D'ETHYLENE A HAUT RENDEMENT**
[72] ZHANG, LIPING, US
[72] TUPE, RAVINDRA RADHAKISAN, FI
[72] PHILLIPS, AILENE GARDNER, US
[72] HINMAN, PAUL VICTOR, US
[72] SOO, HWAILI, US
[73] DOW TECHNOLOGY INVESTMENTS LLC, US
[85] 2013-10-07
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[25] EN
[54] **PYRIMIDINE DERIVATIVES FOR THE TREATMENT OF VIRAL INFECTIONS**
[54] **DERIVES PYRIMIDINES POUR LE TRAITEMENT D'INFECTIONS VIRALES**
[72] MC GOWAN, DAVID, BE
[72] RABOISSON, PIERRE JEAN-MARIE BERNARD, BE
[72] EMBRECHTS, WERNER, BE
[72] JONCKERS, TIM HUGO MARIA, BE
[72] LAST, STEFAAN JULIEN, BE
[72] PIETERS, SERGE MARIA ALOYSIUS, NL
[72] VLACH, JAROMIR, FR
[73] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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[54] **METHODS AND APPARATUS FOR ENHANCING THE ENERGY CONTENT OF CARBONACEOUS MATERIALS FROM PYROLYSIS**
[54] **PROCEDES ET APPAREILS POUR ACCROITRE LA TENEUR ENERGETIQUE DES MATERIAUX CARBONES PROVENANT DE LA PYROLYSE**
[72] MENNELL, JAMES A., US
[72] DESPEN, DANIEL J., US
[73] CARBON TECHNOLOGY HOLDINGS, LLC, US
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[25] EN
[54] **FINE BUBBLE ELECTROLYZED WATER GENERATING APPARATUS AND METHOD FOR GENERATING FINE BUBBLE ELECTROLYZED WATER**
[54] **DISPOSITIF DE GENERATION D'EAU ELECTROLYSEE A MICROBULLES ET PROCEDE DE GENERATION D'EAU ELECTROLYSEE A MICROBULLES**
[72] NAKAMOTO, YOSHINORI, JP
[73] TECH CORPORATION CO., LTD., JP
[85] 2013-11-27
[86] 2013-05-24 (PCT/JP2013/003297)
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[30] JP (2012-118979) 2012-05-24
[30] JP (2013-043350) 2013-03-05

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[54] **MULTISEGMENT FRACTURES**
[54] **FRACTURES MULTISEGMENTS**
[72] BOWEN, GARFIELD, GB
[72] BRADLEY, DAVID C., GB
[72] MOROZOV, NIKOLAY, GB
[72] STONE, TERRY WAYNE, GB
[73] SCHLUMBERGER CANADA LIMITED, CA
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[54] **SULFATION OF WNT PATHWAY PROTEINS**
[54] **SULFATATION DE PROTEINES DE LA VOIE WNT**
[72] RABBANI, JOSHUA, US
[72] DONEGAN, JAMES J., US
[72] LI, XIAOFENG, US
[73] ENZO BIOCHEM, INC., US
[85] 2013-12-04
[86] 2012-06-21 (PCT/US2012/043451)
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[51] **Int.Cl. C01B 3/38 (2006.01) C10G 2/00 (2006.01)**
[25] EN
[54] **PROCESS FOR REFORMING HYDROCARBONS COMPRISING FEEDING A HYDROGENATED TAIL GAS TO THE REFORMING STAGE**
[54] **PROCEDE POUR REFORMER DES HYDROCARBURES COMPRENANT L'ALIMENTATION D'UN GAZ RESIDUAIRE HYDROGENE JUSQU'A L'ETAPE DE REFORMATION**
[72] AASBERG-PETERSEN, KIM, DK
[72] SEIER CHRISTENSEN, PETER, DK
[72] SANDAHL CHRISTENSEN, THOMAS, DK
[73] HALDOR TOPSOE A/S, DK
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[30] DK (PA 2011 00485) 2011-06-29
[30] EP (11009101.4) 2011-11-16
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[54] **DATA CARRIER CARD WITH SECURITY THREAD**
[54] **CARTE DE STOCKAGE DE DONNEES A FIL DE SECURITE**
[72] RIEDL, JOSEF, DE
[73] GIESECKE+DEVRIENT MOBILE SECURITY GMBH, DE
[85] 2013-12-12
[86] 2012-06-04 (PCT/EP2012/002362)
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[25] EN
[54] **AQUEOUS VINYLIDENE FLUORIDE POLYMER LATEX**
[54] **LATEX DE POLYMERE DE FLUORURE DE VINYLIDENE AQUEUX**
[72] STANGA, MILENA, IT
[72] PIERI, RICCARDO, IT
[72] BERTASA, ANNA MARIA, IT
[72] KENT, BRADLEY LANE, US
[72] BRINATI, GIULIO, IT
[73] SOLVAY SPECIALTY POLYMERS ITALY S.P.A., IT
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[13] C
[51] **Int.Cl. B01J 8/06 (2006.01) B01J 19/00 (2006.01)**
[25] EN
[54] **PRODUCTION OF OXIDIZED OLEFINS**
[54] **PRODUCTION D'OLEFINES OXYDEES**
[72] NEWMAN, KENT E., US
[72] OSBORNE, BERNIE B., US
[72] SZUL, JOHN F., US
[73] DOW TECHNOLOGY INVESTMENTS LLC, US
[85] 2013-12-18
[86] 2012-06-22 (PCT/US2012/043670)
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[30] US (61/500,428) 2011-06-23

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[25] EN
[54] **METHOD AND APPARATUS FOR SYNGAS FERMENTATION WITH HIGH CO MASS TRANSFER COEFFICIENT**
[54] **PROCEDE ET APPAREIL POUR UNE FERMENTATION DE GAZ DE SYNTHESE AVEC UN COEFFICIENT ELEVE DE TRANSFERT DE MATIERE DE CO**
[72] BELL, PETER SIMPSON, US
[72] KO, CHING-WHAN, US
[73] JUPENG BIO (HK) LIMITED, CN
[85] 2013-12-23
[86] 2012-05-31 (PCT/US2012/040319)
[87] (WO2013/002947)
[30] US (61/571,564) 2011-06-30
[30] US (61/571,565) 2011-06-30
[30] US (61/573,845) 2011-09-13
[30] US (13/471,827) 2012-05-15
[30] US (13/471,858) 2012-05-15
[30] US (13/473,167) 2012-05-16

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[25] EN
[54] **AN ETHER AMINE ADDITIVE IMPREGNATED COMPOSITION USEFUL IN THE CATALYTIC HYDROPROCESSING OF HYDROCARBONS, A METHOD OF MAKING SUCH COMPOSITION**
[54] **COMPOSITION IMPREGNEE D'ADDITIF D'ETHER-AMINE UTILE DANS L'HYDROTRAITEMENT CATALYTIQUE D'HYDROCARBURES, PROCEDE DE FABRICATION D'UNE TELLE COMPOSITION**
[72] GILLESPIE, WILLIAM DOUGLAS, US
[73] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2013-12-23
[86] 2012-06-26 (PCT/US2012/044164)
[87] (WO2013/003328)
[30] US (61/501,877) 2011-06-28

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[13] C
[51] **Int.Cl. F41B 11/70 (2013.01) F41B 11/00 (2013.01)**
[25] EN
[54] **PAINTBALL MARKER WITH SPLIT BODY**
[54] **MARQUEUR DE BALLES DE PEINTURE A CORPS DIVISE**
[72] STEVENS, SIMON B., US
[73] KEE ACTION SPORTS I LLC, US
[86] (2840455)
[87] (2840455)
[22] 2014-01-22
[30] US (61/756,813) 2013-01-25
[30] US (13/835,231) 2013-03-15

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[13] C
[51] **Int.Cl. A47B 77/08 (2006.01) F16B 1/00 (2006.01) F16M 11/00 (2006.01) F24C 15/08 (2006.01) F24C 15/30 (2006.01)**
[25] EN
[54] **COMBINATION DOMESTIC APPLIANCE MOUNTING SYSTEM WITH SERVICE CAPABILITY**
[54] **SYSTEME DE MONTAGE D'APPAREILS ELECTROMENAGERS COMBINES AVEC CAPACITE DE SERVICE**
[72] PENUEL, MICHAEL, US
[73] BSH HOME APPLIANCES CORPORATION, US
[86] (2840572)
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[22] 2014-01-23
[30] US (13/964,191) 2013-08-12

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[54] **METHODS AND COMPOSITIONS FOR SELECTIVE REGULATION OF PROTEIN EXPRESSION**
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[54] **PROCEDE ET SYSTEME DE FABRICATION DE VERROUS D'ATTELAGE 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, US
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[72] DOWDS, PHILIP E., US
[72] VERESPEJ, JAMES M., US
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[72] LEACH, ANDREW M., US
[72] GRIFFIN, WESTON BLAINE, US
[72] RAKUFF, STEFAN, US
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[54] **INHIBITEURS DE LA REPLICATION DES VIRUS DE LA GRIPPE**
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[72] CLARK, MICHAEL P., US
[72] BANDARAGE, UPUL K., US
[72] BETHIEL, RANDY S., US
[72] BOYD, MICHAEL J., US
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[72] DENG, HONGBO, US
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[72] GAO, HUAI, US
[72] GU, WENXIN, US
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[72] MALTAIS, FRANCOIS, US
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[54] **INHIBITEURS DE KYNURENINE-3-MONOOXYGENASE, COMPOSITIONS PHARMACEUTIQUES ET PROCEDES D'UTILISATION DE CES COMPOSITIONS**
[72] COURTNEY, STEPHEN MARTIN, GB
[72] PRIME, MICHAEL, GB
[72] MITCHELL, WILLIAM, GB
[72] BROWN, CHRISTOPHER JOHN, GB
[72] DE AGUIAR PENA, PAULA C., GB
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[72] ARNOULD, GILBERT ALEXANDER, CA
[72] BOTROS, MATTHEW ZAKI, CA
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[54] **INTERFACE UTILISATEUR GRAPHIQUE INFORMATIQUE A FLUX DE TRAVAUX GENOMIQUE**
[72] WANG, LEKAN, US
[72] CHO, HYUNGHOON, US
[72] RAJA, ABIMANYU, US
[72] CAUDILL, ELIZABETH, US
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[54] **DEVELOPPEMENT ET UTILISATION DE SONDES FLUORESCENTES DE BILIRUBINE NON LIEE**
[72] KLEINFELD, ALAN MARC, US
[72] HUBER, ANDREW HENRY, US
[72] KAMPF, JAMES PATRICK, US
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[54] **PEPTIDES PENETRANT LA CELLULE COMPORTANT UN DOMAINE HYDROPHOBE CENTRAL**
[72] GAIT, MICHAEL JOHN, GB
[72] ARZUMANOV, ANDREY ALEXANDROVICH, GB
[72] SALEH, AMER F., GB
[72] WOOD, MATTHEW J.A., GB
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[54] **INVERSEUR A RESONANCE AVEC ETRANGLEMENT DE MODE COMMUN**
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[54] **TECHNIQUE MISE EN OEUVRE PAR ORDINATEUR DESTINEE A GENERER UN ENSEMBLE DE DONNEES QUI DEFINIT SUR LE PLAN GEOMETRIQUE UNE CONFIGURATION DE COUPE D'OS**
[72] MUELLER, CHRISTOPH, DE
[73] CADFEM GMBH, DE
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[54] **POLYPEPTIDE GLYCOSYLE ET COMPOSITION MEDICAMENTEUSE CONTENANT CE POLYPEPTIDE**
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[72] SHIMODA, TAIJI, JP
[72] FUKAE, KAZUHIRO, JP
[72] MAEDA, MASATOSHI, JP
[72] ISHII, KAZUYUKI, JP
[72] YOSHIDA, KENTA, JP
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[54] **NANOCONJUGUES CAPABLES DE TRAVERSER LA BARRIERE HEMATO-ENCEPHALIQUE**
[72] MIRKIN, CHAD A., US
[72] KO, CAROLINE H., US
[72] STEGH, ALEXANDER, US
[72] GILJOHANN, DAVID A., US
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[54] **SYSTEME DE COMMANDE DE TRANSACTIONS LIEES A DES VEHICULES ET A LA CIRCULATION DE VEHICULES**
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[73] INTELLIGENT IMAGING SYSTEMS, INC., CA
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[54] **METHODS AND PROCESSES FOR NON-INVASIVE ASSESSMENT OF GENETIC VARIATIONS**
[54] **PROCEDES ET PROCESSUS D'EVALUATION NON INVASIVE DE VARIATIONS GENETIQUES**
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[72] DZAKULA, ZELJKO, US
[72] EHRICH, MATHIAS, US
[72] KIM, SUNG KYUN, US
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[72] DUNCAN, ANDREW W., CA
[72] POLLARD, ANDREW, CA
[72] FELLOUAH, M. HACHIMI, CA
[73] QUEEN'S UNIVERSITY AT KINGSTON, CA
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[54] **SYSTEME ET PROCEDE D'ETALONNAGE DE DONNEES OCULOMETRIQUES**
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[72] FISET, JACOB, CA
[72] SULLIVAN, NICHOLAS, CA
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[72] DROUILLARD, JAMES S., US
[72] KLAMFOTH, DAN A., US
[72] INGRAM, KEVIN D., US
[73] THE KANSAS STATE UNIVERSITY RESEARCH FOUNDATION, US
[73] S.A. LHOIST RECHERCHE ET DEVELOPPEMENT, BE
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[73] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
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[54] **DISTRIBUTION D'OZONE DANS UN ROBINET**
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[72] JONTE, PATRICK B., US
[72] DEVRIES, ADAMS M., US
[72] THOMAS, KURT JUDSON, US
[72] SAWASKI, JOEL D., US
[73] DELTA FAUCET COMPANY, US
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[72] STROMSTAD, ADAM, US
[72] REDETZKE, ROBERT, US
[73] NORTHERN TOOL & EQUIPMENT COMPANY, INC., US
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[54] **DISPOSITIF LIMITEUR D'OUVERTURE OU DE FERMETURE POUR ROBINETS**
[72] MEDIATO MARTINEZ, ANTONIO, ES
[72] GARCIA VACAS, FRANCISCO, ES
[72] VERTEDOR SANCHEZ, FRANCISCO, ES
[73] INGEVERT 2000, S.L., ES
[73] AERIS SOLUCIONES DE CONTROL, S.L., ES
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[72] KOMISTEK, RICHARD D., US
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[54] **CONTRAST AGENT FOR IMAGINING MYOCARDIAL PERFUSION**
[54] **AGENT DE CONSTRASTE POUR L'IMAGERIE D'UNE PERFUSION MYOCARDIQUE**
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[54] **COMPOSITION D'AROME D'UMAMI PROVENANT DE TRAITEMENT DE VEGETAL**
[72] SCHOPP, SILKE, DE
[72] BORMANN, GERT, DE
[72] MARITZ, DIRK JACOBUS, DE
[72] FRITSCH, HELGE, DE
[72] SCHMAUCH, GREGORY, DE
[72] SCHMID, KAROLINE MICHAELA, DE
[72] SCHWEIZER, STEPHANIE THILLARD, DE
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **PRODUIT DESTINE A UNE ADMINISTRATION PAR VOIE ORALE**
[72] GAO, FENG, US
[72] ATCHLEY, FRANK SCOTT, US
[72] GRISCIK, GREGORY JAMES, US
[72] DINOVI, CHRISTOPHER JOSEPH, US
[72] HULAN, PHILLIP M., US
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[54] **METHOD FOR COOKING FOODS, AND APPARATUS IMPLEMENTING THE METHOD**
[54] **PROCEDE DE CUISSON D'ALIMENTS ET APPAREIL METTANT EN OEUVRE CE PROCEDE**
[72] VOLATIER, SEBASTIEN, FR
[73] SEB SA, FR
[85] 2014-07-02
[86] 2013-01-09 (PCT/FR2013/050045)
[87] (WO2013/107964)
[30] FR (1250414) 2012-01-16

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[51] **Int.Cl. A47J 37/06 (2006.01) A47J 27/62 (2006.01)**
[25] FR
[54] **METHOD FOR PROVIDING INFORMATION ON THE COOKING OF A FOOD ITEM, AND ASSOCIATED APPARATUS**
[54] **PROCEDE D'INFORMATION D'UNE CUISSON D'ALIMENT ET APPAREIL ASSOCIE**
[72] VOLATIER, SEBASTIEN, FR
[72] EXCOFFIER, DOMINIQUE, FR
[73] SEB SA, FR
[85] 2014-07-02
[86] 2013-01-09 (PCT/FR2013/050046)
[87] (WO2013/107965)
[30] FR (1250416) 2012-01-16

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[51] **Int.Cl. A61M 39/14 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **DRUG DELIVERY APPARATUS**
[54] **APPAREIL DE DISTRIBUTION DE MEDICAMENT**
[72] WOOLLEY, MAXWELL ROY, GB
[72] GILL, STEVEN STREATFIELD, GB
[72] MCMURTRY, DAVID ROBERTS, GB
[73] RENISHAW (IRELAND) LIMITED, IE
[85] 2014-07-25
[86] 2013-02-07 (PCT/EP2013/052458)
[87] (WO2013/117659)
[30] GB (1202091.3) 2012-02-07

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[51] **Int.Cl. H04N 21/431 (2011.01) H04N 21/235 (2011.01)**
[25] EN
[54] **SERVICE USAGE REPORTING DATA TRANSPORT**
[54] **TRANSPORT DE DONNEES DE SIGNALEMENT D'UTILISATION DE SERVICES**
[72] EYER, MARK, US
[73] SONY CORPORATION, JP
[85] 2014-07-09
[86] 2013-03-21 (PCT/US2013/033282)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR GENERATING A PERSISTING POPULATION OF T CELLS USEFUL FOR THE TREATMENT OF CANCER**
[54] **TOPICOMPOSITIONS ET PROCEDES POUR PRODUIRE UNE POPULATION DE LYMPHOCYTES T TENACES UTILES DANS LE TRAITEMENT DU CANCER**
[72] FRIGAULT, MATTHEW J., US
[72] ZHAO, YANGBING, US
[72] SCHOLLER, JOHN, US
[72] JUNE, CARL H., US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2014-08-05
[86] 2013-02-22 (PCT/US2013/027337)
[87] (WO2013/126712)
[30] US (61/601,890) 2012-02-22

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[25] EN
[54] **COIL TUBING HANGER**
[54] **SUPPORT POUR TUBE SPIRALE**
[72] WEBSTER, MATTHEW, CA
[73] SEABOARD CANADA LTD., CA
[86] (2865382)
[87] (2865382)
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[51] **Int.Cl. A61L 27/04 (2006.01) A61C 13/08 (2006.01)**
[25] EN
[54] **PALLADIUM BASED ALLOYS**
[54] **ALLIAGES A BASE DE PALLADIUM**
[72] DASGUPTA, TRIDIB, US
[72] TYSOWSKY, GEORGE, US
[73] IVOCLAR VIVADENT, INC., US
[85] 2014-08-27
[86] 2013-03-08 (PCT/US2013/029766)
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[25] EN
[54] **SEGMENTED, SEMICRYSTALLINE POLY(LACTIDE-CO-EPSILON-CAPROLACTONE) ABSORBABLE COPOLYMERS**
[54] **COPOLYMERES SEGMENTES, SEMI-CRISTALLINS DE POLY(LACTIDE-CO-EPSILON-CAPROLACTONE) ABSORBABLES**
[72] ANDJELIC, SASA, US
[72] JAMIOLKOWSKI, DENNIS D., US
[73] ETHICON, INC., US
[85] 2014-09-05
[86] 2013-03-01 (PCT/US2013/028512)
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[25] EN
[54] **AMINOACID LIPIDS**
[54] **LIPIDES D'ACIDES AMINES**
[72] PLATSCHER, MICHAEL WILHELM, CH
[72] BEHRENDT, RAYMOND, DE
[72] GROEHN, VIOLA, CH
[72] HOERTNER, SIMONE RACHEL, CH
[72] PASSAFARO, MARCO SILVIO, CH
[72] BAUER, FINN, US
[73] MERCK PATENT GMBH, DE
[85] 2014-09-12
[86] 2013-03-11 (PCT/EP2013/000699)
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[51] **Int.Cl. C12Q 1/686 (2018.01) C12Q 1/6809 (2018.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **MEASUREMENT OF NUCLEIC ACID VARIANTS USING HIGHLY-MULTIPLEXED ERROR-SUPPRESSED DEEP SEQUENCING**
[54] **MESURE DES VARIANTS D'ACIDE NUCLEIQUE AU MOYEN DU SEQUENCAGE HAUTEMENT MULTIPLEXE, A TRES HAUT DEBIT ET A SUPPRESSION D'ERREUR**
[72] PATEL, ABHIJIT AJIT, US
[73] PATEL, ABHIJIT AJIT, US
[85] 2014-09-12
[86] 2013-03-13 (PCT/US2013/031014)
[87] (WO2013/138510)
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[13] C
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/82 (2006.01)**
[25] EN
[54] **BONE FIXATION MEMBER SYSTEMS AND METHODS OF USE**
[54] **SYSTEMES D'ELEMENTS DE FIXATION D'OS ET LEURS PROCEDES D'UTILISATION**
[72] KNUEPPEL, STEFAN, CH
[72] SCHMITT, RAYMOND, US
[72] KOCH, RUDOLF, CH
[72] MARTELLA, ARTHUR T., US
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2014-09-25
[86] 2013-03-13 (PCT/US2013/030681)
[87] (WO2013/148173)
[30] US (61/616,555) 2012-03-28
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[25] EN
[54] **ELECTRONICALLY-CONTROLLED SOLENOID**
[54] **SOLENOIDE COMMANDE ELECTRONIQUEMENT**
[72] KHAYZIKOV, YURIY, US
[72] AVERTISYAN, ASHOT, US
[72] ISAYAN, SARKIS, US
[72] JORDAO, OLAVO, JR., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2014-09-25
[86] 2013-05-31 (PCT/US2013/043636)
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[30] US (13/485,262) 2012-05-31

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[25] EN
[54] **BENZAMIDE DERIVATIVES FOR INHIBITING THE ACTIVITY OF ABL1, ABL2 AND BCR-ABL1**
[54] **COMPOSES ET COMPOSITIONS POUR INHIBER L'ACTIVITE D'ABL1, ABL2 ET BCR-ABL1**
[72] DODD, STEPHANIE KAY, US
[72] FURET, PASCAL, CH
[72] GROTZFELD, ROBERT MARTIN, CH
[72] JONES, DARRYL BRYNLEY, CH
[72] MANLEY, PAUL, CH
[72] MARZINZIK, ANDREAS, CH
[72] PELLE, XAVIER FRANCOIS ANDRE, CH
[72] SALEM, BAHAA, CH
[72] SCHOEPFER, JOSEPH, CH
[72] JAHNKE, WOLFGANG, CH
[73] NOVARTIS AG, CH
[85] 2014-09-29
[86] 2013-05-09 (PCT/IB2013/053768)
[87] (WO2013/171639)
[30] US (61/647,174) 2012-05-15
[30] US (61/790,967) 2013-03-15

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[13] C
[51] **Int.Cl. B21J 5/12 (2006.01) B21D 53/28 (2006.01) B21K 1/30 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MANUFACTURING THICK-WALLED HOLLOW WHEELS HAVING AN INTERNAL GEAR TOOTHING**
[54] **APPAREIL ET METHODE DE FABRICATION DE COURONNES CREUSES A PAROI EPAISSE AYANT UNE ROUE A DENTURE INTERIEURE**
[72] RUH, FABIAN, CH
[72] DERIAZ, DANIEL, CH
[73] ERNST GROB AG, CH
[85] 2014-09-30
[86] 2013-04-23 (PCT/CH2013/000070)
[87] (WO2013/159241)
[30] CH (569/12) 2012-04-25

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[13] C
[51] **Int.Cl. A61K 38/07 (2006.01) A61P 25/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE PREVENTION AND TREATMENT NEUROPATHY**
[54] **PROCEDES ET COMPOSITIONS POUR LA PREVENTION ET LE TRAITEMENT DE LA NEUROPATHIE**
[72] WILSON, D. TRAVIS, US
[73] STEALTH BIOTHERAPEUTICS CORP, KY
[85] 2014-09-29
[86] 2013-03-29 (PCT/US2013/034647)
[87] (WO2013/149172)
[30] US (61/618,428) 2012-03-30

[11] **2,869,592**
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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 12/02 (2006.01) E21B 21/08 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **DRILLING CONTROL AND INFORMATION SYSTEM**
[54] **SYSTEME D'INFORMATION ET DE COMMANDE DE FORAGE**
[72] MEBANE, ROBERT EUGENE, III, US
[73] NATIONAL OILWELL VARCO, L.P., US
[85] 2014-10-03
[86] 2013-04-03 (PCT/US2013/035071)
[87] (WO2013/152072)
[30] US (61/619,500) 2012-04-03

[11] **2,870,164**
[13] C
[51] **Int.Cl. B01D 53/14 (2006.01)**
[25] EN
[54] **AQUEOUS ALKANOLAMINE SOLUTION AND PROCESS FOR THE REMOVAL OF H2S FROM GASEOUS MIXTURES**
[54] **SOLUTION AQUEUSE D'ALCANOLAMINE ET PROCEDE D'ELIMINATION D'H2S A PARTIR DE MELANGES GAZEUX**
[72] LAROCHE, CHRISTOPHE R., US
[72] PADILLA, GERARDO, US
[72] HALNON, TIMOTHY D., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2014-10-09
[86] 2013-06-06 (PCT/US2013/044469)
[87] (WO2014/004020)
[30] US (61/665,959) 2012-06-29

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[51] **Int.Cl. F28D 7/08 (2006.01) F28F 1/12 (2006.01)**
[25] EN
[54] **DOUBLE-WALLED DRY HEAT EXCHANGER COIL WITH SINGLE-WALLED RETURN BENDS**
[54] **ECHANGEUR THERMIQUE A SEC A SERPENTIN A DOUBLE PAROI DOTE DE COUDES EN U A PAROI UNIQUE**
[72] BYRNE, TOM, DK
[73] EVAPCO, INC., US
[85] 2014-10-22
[86] 2013-04-25 (PCT/US2013/038177)
[87] (WO2013/163400)
[30] US (61/638,275) 2012-04-25
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[25] EN
[54] **ACETYLATED POLYOL HYDROXYSTEARATE PLASTICIZERS AND PLASTICIZED POLYMERIC COMPOSITIONS**
[54] **PLASTIFIANTS DE TYPE HYDROXYSTEARATE DE POLYOL ACETYLE ET COMPOSITIONS POLYMERES PLASTIFIEES**
[72] CHAUDHARY, BHARAT I., US
[72] SCZEKALLA, BEATE, DE
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2014-11-03
[86] 2013-05-07 (PCT/US2013/039840)
[87] (WO2013/191812)
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[25] EN
[54] **POLYMERS AND PLASTICS DERIVED FROM ANIMAL PROTEINS**
[54] **MATIERES PLASTIQUES ET POLYMERES ISSUS DE PROTEINES ANIMALES**
[72] BRESSLER, DAVID, CA
[72] CHOI, PHILLIP, CA
[73] GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[85] 2014-11-07
[86] 2012-05-14 (PCT/CA2012/000458)
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[30] US (61/485,748) 2011-05-13

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[25] EN
[54] **LOW-MOLECULAR-WEIGHT BIOTECHNOLOGICAL CHONDROITIN 6-SULPHATE FOR PREVENTION OF OSTEOARTHRITIS**
[54] **6-SULFATE DE CHONDROITINE BIOTECHNOLOGIQUE DE FAIBLE MASSE MOLECULAIRE POUR LA PREVENTION DE L'ARTHROSE**
[72] MIRAGLIA, NICCOLO, IT
[72] BIANCHI, DAVIDE, IT
[72] VALOTI, ERMANNO, IT
[72] TRENTIN, ANTONELLA, IT
[72] TRILLI, ANTONIO, IT
[72] BUSIELLO, IMMACOLATA, IT
[72] AGOSTINETTO, MARCO, IT
[72] BAZZA, PAOLA, IT
[72] VALETTI, MARCO, IT
[73] GNOSIS S.P.A., IT
[85] 2014-11-20
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[30] IT (MI2012A000880) 2012-05-22

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[25] EN
[54] **MICROCAPSULES CONTAINING AN OXIDIZABLE ACTIVE, AND A PROCESS FOR PREPARING THE SAME**
[54] **MICROCAPSULES COMPRENANT UN PRODUIT ACTIF OXYDABLE ET PROCEDE POUR LES PREPARER**
[72] BUISSON, PIERRE, FR
[72] CHAIGNEAU, CARINE, FR
[72] VENDEVILLE, JEAN-EUDES, FR
[73] IDCAPS, FR
[85] 2014-11-26
[86] 2013-04-12 (PCT/EP2013/057739)
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[30] EP (12305434.8) 2012-04-12
[30] US (61/623,210) 2012-04-12

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[25] EN
[54] **INTRAOCULAR LENS INSERTER**
[54] **INSTRUMENT D'INTRODUCTION DE LENTILLE INTRAOCULAIRE**
[72] AULD, JACK R., US
[73] ALCON INC., US
[85] 2014-11-28
[86] 2013-06-04 (PCT/US2013/044183)
[87] (WO2013/184727)
[30] US (61/655,255) 2012-06-04

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[25] EN
[54] **POLYGENERATION PRODUCTION OF POWER AND FERTILIZER THROUGH EMISSIONS CAPTURE**
[54] **PRODUCTION PAR GENERATION MULTIPLE D'ENERGIE ET D'ENGRAIS AU MOYEN D'UNE CAPTURE D'EMISSIONS**
[72] MERRITT, JAMES KELLY, US
[73] GRANNUS, LLC, US
[85] 2014-12-04
[86] 2013-06-21 (PCT/IB2013/002045)
[87] (WO2014/001917)
[30] US (61/665,069) 2012-06-27

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[51] **Int.Cl. G07F 11/52 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SIMULTANEOUS ARTICLE RETRIEVAL AND TRANSACTION VALIDATION**
[54] **SYSTEME ET PROCEDE POUR UNE VALIDATION DE TRANSACTION ET UNE EXTRACTION D'ARTICLE SIMULTANEES**
[72] POLUBINSKI, JIM, US
[72] PTACEK, WILLIAM, US
[73] REDBOX AUTOMATED RETAIL, LLC, US
[85] 2014-12-04
[86] 2013-06-04 (PCT/US2013/044184)
[87] (WO2013/184728)
[30] US (13/489,337) 2012-06-05

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[13] C
[51] **Int.Cl. B67C 3/02 (2006.01) B67C 3/22 (2006.01)**
[25] FR
[54] **MULTI-STATION PACKAGING MACHINE HAVING A CIRCULAR TRAY AND DEVICE FOR FILLING VIALS**
[54] **MACHINE DE CONDITIONNEMENT MULTIPOSTE A PLATEAU CIRCULAIRE ET DISPOSITIF DE REMPLISSAGE DE FLACONS**
[72] FAVIER, LAURENT, FR
[72] GUYARD, CHRISTOPHE, FR
[73] PKB, FR
[85] 2014-12-05
[86] 2013-06-07 (PCT/FR2013/051315)
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[30] FR (1255380) 2012-06-08

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[51] **Int.Cl. G06F 8/60 (2018.01)**
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[54] **IDENTIFICATION OF HOST-COMPATIBLE DOWNLOADABLE APPLICATIONS**
[54] **IDENTIFICATION D'APPLICATIONS TELECHARGEABLES COMPATIBLES AVEC UN HOTE**
[72] CONLAN, PATRICK MICHAEL, US
[72] JIMENEZ-SALGADO, ROLANDO, US
[72] BALMORI LABRA, JUAN GABRIEL, US
[72] HAUGEN, TODD, US
[72] JONES, BRIAN MICHAEL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2014-12-09
[86] 2013-06-20 (PCT/US2013/046672)
[87] (WO2014/004226)
[30] US (13/533,367) 2012-06-26

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[13] C
[51] **Int.Cl. C01B 3/38 (2006.01) B01J 8/06 (2006.01)**
[25] EN
[54] **STEAM REFORMERS FOR THE PRODUCTION OF HYDROGEN REFORMATE AND USES THEREOF**
[54] **REFORMEURS A VAPEUR POUR LA PRODUCTION D'UN PRODUIT REFORME RICHE EN HYDROGENE, ET LEUR UTILISATION**
[72] ZHAO, JIAN L., US
[72] KIM, CHANGSIK, US
[72] SHI, YANLONG, US
[73] NUVERA FUEL CELLS, LLC, US
[85] 2014-12-10
[86] 2013-06-13 (PCT/US2013/045665)
[87] (WO2013/188671)
[30] US (61/659,898) 2012-06-14

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[25] EN
[54] **PROCESS FOR THE MANUFACTURE OF ALKYLFLUOROACRYLATES USING ALKANE SOLVENTS**
[54] **PROCEDE POUR LA FABRICATION DE FLUOROACRYLATES D'ALKYLE A L'AIDE DE SOLVANTS CONSTITUES D'ALCANES**
[72] KAPITAN, PETER, NL
[72] SAJTOS, ALEXANDER, NL
[73] DPX FINE CHEMICALS AUSTRIA GMBH & CO KG, NL
[85] 2014-12-22
[86] 2013-06-25 (PCT/EP2013/063324)
[87] (WO2014/001365)
[30] EP (12173485.9) 2012-06-25

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[13] C
[51] **Int.Cl. G04G 7/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR MAINTAINING ACCURATE IDEAL CLOCK TIME**
[54] **SYSTEME POUR MAINTENIR UNE HEURE PRECISE SUR UNE HORLOGE IDEALE**
[72] DOUGAN, CORT, US
[72] YODAIKEN, VICTOR, US
[73] FINITE STATE RESEARCH LLC, US
[85] 2014-12-22
[86] 2013-06-28 (PCT/US2013/048566)
[87] (WO2014/005016)
[30] US (61/666,101) 2012-06-29

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[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DELIVERING SURGICAL TISSUE CONNECTORS INTO AN ABDOMINAL CAVITY AND REMOVING THE SURGICAL TISSUE CONNECTORS FROM THE ABDOMINAL CAVITY**
[54] **APPAREIL ET PROCEDE POUR POSER DES RACCORDS DE TISSU CHIRURGICAUX DANS UNE CAVITE ABDOMINALE ET RETIRER LES RACCORDS DE TISSU CHIRURGICAUX DE LA CAVITE ABDOMINALE**
[72] SMITH, JEFFREY, US
[72] SHERMAN, DARREN R., US
[73] SMITH, JEFFREY, US
[73] SHERMAN, DARREN R., US
[85] 2014-12-23
[86] 2013-06-26 (PCT/US2013/047862)
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[30] US (61/666,380) 2012-06-29

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[13] C
[51] **Int.Cl. A61F 5/01 (2006.01)**
[25] EN
[54] **POSTURE CORRECTIVE BRACE**
[54] **DISPOSITIF DE CORRECTION DE POSTURE**
[72] KAMENAGA, MASANORI, JP
[72] HAMAMOTO, RYOSUKE, JP
[73] GIKEN INC., JP
[85] 2014-12-30
[86] 2013-04-10 (PCT/JP2013/060846)
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[54] **COMPOSITION DE CHLORURE DE SODIUM EN ECOULEMENT LIBRE PREPAREE PAR CRISTALLISATION PAR EVAPORATION**
[72] SPIJKMAN, FRITS, NL
[72] BERGEVOET, ROBERTO ALOYSIUS GERARDUS MARIA, NL
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
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[54] **PROCEDE ET APPAREIL DE DETECTION D'UNE CONNEXION ELECTRIQUE FAIBLE DANS UN SYSTEME PHOTOVOLTAIQUE**
[72] LUEBKE, CHARLES JOHN, US
[72] ZHOU, XIN, US
[72] SHEA, JOHN J., US
[72] PAHL, BIRGER, US
[72] PIER, B. THOMAS, US
[73] EATON INTELLIGENT POWER LIMITED, IE
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[54] **FILTER HOUSING, FLUTED FILTER AND SAFETY FILTER**
[54] **BOITIER DE FILTRE, FILTRE PLISSE ET FILTRE DE SECURITE**
[72] MERRITT, STEVEN J., US
[72] CALCATERRA, FARRELL, US
[73] BALDWIN FILTERS, INC., US
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[25] EN
[54] **PLANT DERIVED CELLULOSE COMPOSITIONS FOR USE AS DRILLING MUDS**
[54] **COMPOSITIONS DE CELLULOSE D'ORIGINE VEGETALE DESTINEES A ETRE UTILISEES COMME BOUES DE FORAGE**
[72] VAN ENGELEN, GERARDUS PETRUS FRANCISCUS MARIA, NL
[72] VAN INGEN, GIJSBERT ADRIAAN, NL
[72] MEEUWISSEN, CORNE, NL
[73] CELLUCOMP LTD., GB
[73] COSUN BIOBASED PRODUCTS B.V., NL
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[86] 2013-07-26 (PCT/NL2013/050558)
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[54] **LFA-1 INHIBITOR AND POLYMORPH THEREOF**
[54] **INHIBITEUR DE LFA-1 ET POLYMORPHE DE CELUI-CI**
[72] ZELLER, JAMES ROBERT, US
[72] VENKATRAMAN, SRIPATHY, US
[72] BROT, ELISABETH C.A., US
[72] IYER, SUBASHREE, US
[72] HALL, MICHAEL, US
[73] NOVARTIS AG, CH
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[54] **A LIQUID FORMULATION OF LONG ACTING INSULINOTROPIC PEPTIDE CONJUGATE**
[54] **FORMULATION LIQUIDE D'UN CONJUGUE DE PEPTIDE INSULINOTROPE A LONGUE ACTION**
[72] KIM, HYUN UK, KR
[72] LIM, HYUNG KYU, KR
[72] HONG, SUNG HEE, KR
[72] KIM, DAE JIN, KR
[72] BAE, SUNG MIN, KR
[72] KWON, SE CHANG, KR
[73] HANMI PHARM. CO., LTD., KR
[85] 2015-01-23
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[25] EN
[54] **SINGLE LAYER SCATTERING OF POWDER SURFACES**
[54] **DISPERSION MONOCOUCHE DE POUDRES DE SURFACE**
[72] PERVAN, DARKO, SE
[73] CERALOC INNOVATION AB, SE
[85] 2015-01-27
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[54] **FORMULATIONS AND METHODS OF MANUFACTURING FORMULATIONS FOR USE IN COLONIC EVACUATION**
[54] **FORMULATIONS ET PROCEDES DE FABRICATION DE FORMULATIONS DESTINEES A ETRE UTILISEES EN EVACUATION DU COLON**
[72] FATHI, REZA, US
[72] MCLEAN, PATRICK LAUGHLIN, CA
[73] REDHILL BIOPHARMA LTD., IL
[85] 2015-01-26
[86] 2013-07-26 (PCT/IB2013/001640)
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[25] EN
[54] **ISOLATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ISOLEMENT**
[72] BALLANTYNE, JUSTIN DOUGLAS, AU
[72] BURKWOOD, JAMES EDWARD ROBERT, AU
[72] BALLANTYNE, ANNA LOUISE, AU
[73] CARE STRATEGIC D.I.R. HOLDINGS PTY LTD, AU
[85] 2015-01-28
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[25] EN
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[54] **COMPOSITIONS D'EDULCORANT CONTENANT DU REBAUDIOSIDE B**
[72] QUINLAN, MARY, GB
[72] ZHOU, YUQING, US
[73] TATE & LYLE INGREDIENTS AMERICAS LLC, US
[85] 2015-01-29
[86] 2013-07-31 (PCT/US2013/052821)
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[25] EN
[54] **ICE RESISTANT JACKUP LEG**
[54] **PIED AUTOELEVATEUR RESISTANT AUX GLACES**
[72] FOO, KOK SENG, SG
[72] PERRY, MICHAEL JOHN, SG
[72] WANG, CYNTHIA, SG
[72] QUAH, CHIN KAU MATTHEW, SG
[72] SHAFER, RANDALL SCOTT, US
[72] NOBLE, PETER, US
[73] KEPPEL OFFSHORE & MARINE TECHNOLOGY CENTRE PTE LTD, SG
[73] CONOCOPHILIPS COMPANY, US
[85] 2015-01-29
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[54] **ARTICLES POUVANT ETRE PERSONNALISES ELECTRONIQUEMENT**
[72] POND, RENEE, US
[73] POND, RENEE, US
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[25] EN
[54] **ARRANGEMENT FOR FEEDING FINE-GRAINED MATTER TO A CONCENTRATE OR MATTE BURNER OF A SUSPENSION SMELTING FURNACE**
[54] **AGENCEMENT POUR ACHEMINER DE LA MATIERE A GRAINS FINS DANS UN BRULEUR DE CONCENTRES OU DE MATTES D'UN FOUR DE FUSION EN SUSPENSION**
[72] BJORKLUND, PETER, FI
[72] AHOKAINEN, TAPIO, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2015-02-05
[86] 2013-08-26 (PCT/FI2013/050823)
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[54] **LIFT AXLE SUSPENSION**
[54] **SUSPENSION D'ESSIEU DE LEVAGE**
[72] YAKIMISHYN, KELLY W., CA
[73] YAKIMISHYN, KELLY W., CA
[86] (2881526)
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[25] EN
[54] **SAFEGUARDING MEASURES FOR A CLOSED-LOOP INSULIN INFUSION SYSTEM**
[54] **MESURES DE PROTECTION POUR UN SYSTEME DE PERFUSION D'INSULINE A BOUCLE FERMEE**
[72] KEENAN, DESMOND BARRY, US
[72] MASTROTOTARO, JOHN J., US
[72] GROSMAN, BENYAMIN, US
[72] PARIKH, NEHA J., US
[72] ROY, ANIRBAN, US
[73] MEDTRONIC MINIMED, INC., US
[85] 2015-02-13
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[87] (WO2014/035570)
[30] US (61/694,950) 2012-08-30
[30] US (61/694,961) 2012-08-30
[30] US (61/812,874) 2013-04-17
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[25] EN
[54] **METHOD FOR COLLECTING FINE PARTICLES FROM FLUE GASES, AND A CORRESPONDING DEVICE AND ARRANGEMENT**
[54] **PROCEDE POUR COLLECTER DES PARTICULES FINES DANS DES GAZ DE FUMEE, DISPOSITIF ET SYSTEME CORRESPONDANTS**
[72] LAITINEN, ARI, FI
[72] RAIHA, MIKA, FI
[72] PAAVILAINEN, SEPPO, FI
[72] KESKINEN, JORMA, FI
[73] TASSU ESP OY, FI
[85] 2015-02-25
[86] 2013-09-04 (PCT/FI2013/050851)
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[25] EN
[54] **ADJUSTABLE ELECTROSURGICAL PENCIL WITH SLIDABLE VENT TUBE**
[54] **CRAYON ELECTROCHIRURGICAL REGLABLE A TUBE D'EVACUATION COULISSABLE**
[72] INESON, LEONARD, CA
[73] COVIDIEN LP, US
[85] 2015-02-25
[86] 2013-08-23 (PCT/CA2013/000741)
[87] (WO2014/032163)
[30] US (61/693,826) 2012-08-28
[30] CA (PCT/CA2012/001200) 2012-12-21

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[25] EN
[54] **ANIMAL WATERING DEVICE**
[54] **DISPOSITIF D'ABREUVEMENT POUR ANIMAL**
[72] VAN DER POEL, HANS, SE
[72] TILLET, NICOLAS, SE
[73] DELAVAL HOLDING AB, SE
[85] 2015-02-26
[86] 2013-10-14 (PCT/SE2013/051197)
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[30] SE (1251180-4) 2012-10-17
[30] US (61/714,809) 2012-10-17

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[54] **RADIATION CURED MEMBRANES DERIVED FROM POLYMERS THAT ARE CO-REACTIVE WITH AZIDE CROSSLINKING AGENT(S)**
[54] **MEMBRANES DURCIES PAR RAYONNEMENT ISSUES DE POLYMERES QUI SONT CO-REACTIFS AVEC UN OU PLUSIEURS AGENTS DE RETICULATION AZIDES**
[72] MATTEUCCI, SCOTT T., US
[72] LIU, JUNQIANG, US
[72] MADKOUR, AHMAD, US
[72] HARRIS, WILLIAM J., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2015-03-05
[86] 2013-09-18 (PCT/US2013/060396)
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[30] US (61/703,580) 2012-09-20

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[54] **A STAPLE**
[54] **AGRAFE**
[72] SMEATON, KEVIN ROY, AU
[72] DOOLE, KEVIN GRAHAM, AU
[73] QUICK GRIP STAPLES (HK) LIMITED, CN
[85] 2015-03-09
[86] 2013-09-10 (PCT/AU2013/001024)
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[30] AU (2012904112) 2012-09-10
[30] AU (2012905295) 2012-12-05

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[25] EN
[54] **PROTECTIVE COATINGS FOR SECURITY DOCUMENTS**
[54] **REVETEMENTS DE PROTECTION POUR DOCUMENTS DE SECURITE**
[72] VEYA, PATRICK, CH
[72] GARNIER, JEAN, CH
[73] SICPA HOLDING SA, CH
[85] 2015-03-13
[86] 2013-09-24 (PCT/EP2013/069769)
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[51] **Int.Cl. A61F 2/07 (2013.01)**
[25] EN
[54] **DEBRANCHING STENT GRAFT LIMB AND METHODS FOR USE**
[54] **DEBRANCHEMENT ET MEMBRE D'ENDOPROTHESE, ET PROCEDES D'UTILISATION**
[72] KELLY, PATRICK W., US
[73] SANFORD HEALTH, US
[85] 2015-03-20
[86] 2013-04-11 (PCT/US2013/036173)
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[30] US (61/720,829) 2012-10-31
[30] US (13/706,036) 2012-12-05
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[25] EN
[54] **TETRAZOLINONE COMPOUNDS AND THEIR USE AS PESTICIDES**
[54] **COMPOSES TETRAZOLINONE ET LEUR UTILISATION EN TANT QUE PESTICIDE**
[72] ARIMORI, SADAYUKI, JP
[72] SHIODA, TAKAYUKI, JP
[73] SUMITOMO CHEMICAL COMPANY, LIMITED, JP
[85] 2015-03-23
[86] 2013-09-27 (PCT/JP2013/077009)
[87] (WO2014/051161)
[30] JP (2012-216039) 2012-09-28
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[25] EN
[54] **METHOD FOR PRODUCING CAST STEEL HAVING HIGH WEAR RESISTANCE AND STEEL HAVING SAID CHARACTERISTICS**
[54] **PROCEDE DE PRODUCTION D'ACIER FONDU A HAUTE RESISTANCE A L'USURE ET ACIER PRESENTANT LESDITES CARACTERISTIQUES**
[72] LEIVA ILLANES, RICARDO, CL
[72] MEUNIER ARTIGAS, RAOUL, CL
[73] COMPANIA ELECTRO METALURGICA S.A., CL
[85] 2015-03-26
[86] 2013-07-25 (PCT/CL2013/000047)
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[54] **BONE ANCHOR ASSEMBLIES**
[54] **ENSEMBLES ANCRAGE OSSEUX**
[72] SPRATT, FRANK, US
[72] QUINTANILHA, ERNEST, US
[72] CHANDANSON, THIBAULT, CH
[73] MEDOS INTERNATIONAL SARL, CH
[73] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2015-03-30
[86] 2013-09-18 (PCT/US2013/060350)
[87] (WO2014/052117)
[30] US (61/707,062) 2012-09-28
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[51] **Int.Cl. E21B 37/00 (2006.01) B08B 9/027 (2006.01) E21B 31/06 (2006.01)**
[25] EN
[54] **DOWNHOLE MAGNET, DOWNHOLE MAGNETIC JETTING TOOL AND METHOD OF ATTACHMENT OF MAGNET PIECES TO THE TOOL BODY**
[54] **AIMANT DE FOND DE TROU, OUTIL MAGNETIQUE DE NETTOYAGE AU JET DE FOND DE TROU ET PROCEDE DE FIXATION DE PIECES MAGNETIQUES AU CORPS D'OUTIL**
[72] LEIPER, SIMON, AE
[72] ROBERTSEON, KEVIN, AE
[73] ODFJELL WELL SERVICES NORWAY AS, NO
[85] 2015-03-31
[86] 2013-10-09 (PCT/NO2013/050170)
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[51] **Int.Cl. F23K 1/04 (2006.01)**
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[54] **METHOD FOR OPERATING A STEAM GENERATOR**
[54] **PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN GENERATEUR DE VAPEUR**
[72] HESSE, RAINER, DE
[72] ROPER, BERNHARD, DE
[73] RWE POWER AKTIENGESELLSCHAFT, DE
[85] 2015-04-02
[86] 2013-10-10 (PCT/EP2013/071139)
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[25] EN
[54] **DEPOSITION DEVICE FOR CONTROLLED DEPOSITION OF REINFORCING FIBER BUNDLES**
[54] **DISPOSITIF DE DEPOT SERVANT A DEPOSER DE MANIERE CONTROLEE DES FAISCEAUX DE FIBRES DE RENFORCEMENT**
[72] SCHNEIDER, MARKUS, DE
[72] LEHMHAUS, BJORN, DE
[73] TEIJIN CARBON EUROPE GMBH, DE
[85] 2015-04-17
[86] 2013-10-11 (PCT/EP2013/071258)
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[25] EN
[54] **COMPOSITION COMPRISING CITRULLINE AND CITICOLINE FOR IMPROVING DECLINE IN BRAIN FUNCTION**
[54] **COMPOSITION CONTENANT DE LA CITRULLINE ET DE LA CITICOLINE POUR REDUIRE LE DECLIN DES FONCTIONS CEREBRALES**
[72] KUMAGAI, KOTA, JP
[72] MORITA, MASAHIKO, JP
[72] HARA, TAKAHIRO, JP
[72] FUKUNAGA, KOHJI, JP
[73] KYOWA HAKKO BIO CO., LTD., JP
[85] 2015-04-21
[86] 2013-10-30 (PCT/JP2013/080053)
[87] (WO2014/069667)
[30] JP (2012-238542) 2012-10-30

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[51] **Int.Cl. G06K 7/00 (2006.01)**
[25] EN
[54] **SECURE BODY OF MEMORY CARD READER**
[54] **CORPS DE LECTEUR DE CARTE A MEMOIRE SECURISE**
[72] PAVAGEAU, STEPHANE, FR
[73] INGENICO GROUP, FR
[85] 2015-04-21
[86] 2013-10-28 (PCT/EP2013/072528)
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[30] FR (1260357) 2012-10-30

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[51] **Int.Cl. C08L 95/00 (2006.01) C04B 24/00 (2006.01) C04B 26/26 (2006.01) C08K 5/521 (2006.01)**
[25] EN
[54] **PHOSPHATED COMPOSITIONS AS ADHESION PROMOTERS**
[54] **COMPOSES PHOSPHATES UTILISES COMME PROMOTEURS D'ADHERENCE**
[72] NORDBERG, JOHAN, SE
[72] HAGBERG, DANIEL, SE
[72] GOROCHOVCEVA, NATALIJA, SE
[73] AKZO NOBEL CHEMICALS INTERNATIONAL B.V., NL
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[30] US (61/721,621) 2012-11-02

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[25] EN
[54] **CANCER TREATMENT**
[54] **TRAITEMENT DU CANCER**
[72] CROOKE, STANLEY T., US
[72] YAMASHITA, MASON, US
[73] IONIS PHARMACEUTICALS, INC., US
[85] 2015-04-24
[86] 2013-10-30 (PCT/US2013/067469)
[87] (WO2014/070868)
[30] US (61/720,939) 2012-10-31
[30] US (61/777,875) 2013-03-12

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[51] **Int.Cl. F16K 7/02 (2006.01) F16K 43/00 (2006.01) F16L 55/10 (2006.01)**
[25] EN
[54] **PINCH VALVE HAVING PIVOTABLY MOUNTED UPPER AND LOWER CASINGS**
[54] **VANNE A MANCHON AYANT DES BOITIERS SUPERIEUR ET INFERIEUR, MONTES A PIVOTEMENT**
[72] RUELLAND, FREDERIC, CA
[72] SIMARD, CLEMENT, CA
[73] OXO FAB. INC., CA
[85] 2015-04-28
[86] 2013-10-23 (PCT/CA2013/000915)
[87] (WO2014/066980)
[30] US (13/667,099) 2012-11-02

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[51] **Int.Cl. F01D 15/08 (2006.01) F01D 15/10 (2006.01) F02C 7/275 (2006.01)**
[25] EN
[54] **GAS TURBINE IN MECHANICAL DRIVE APPLICATIONS AND OPERATING METHODS**
[54] **TURBINE A GAZ DANS DES APPLICATIONS D'ENTRAINEMENT MECANIQUE ET PROCEDES DE COMMANDE**
[72] SCARPONI, MARCO, IT
[72] PELAGOTTI, ANTONIO, IT
[72] BIANCHI, PAOLO, IT
[72] NALDI, LORENZO, IT
[72] MILANI, GIULIANO, IT
[72] ANTONINI, CLAUDIO, IT
[72] DELL'ANNA, GRAZIANO, IT
[72] BATTAGLI, PAOLO, IT
[72] LIBRASCHI, MIRKO, IT
[72] LAZZARI, ANNUNZIO, IT
[72] AGOSTINI, DAMIANO, IT
[73] NUOVO PIGNONE SRL, IT
[85] 2015-05-01
[86] 2013-11-07 (PCT/EP2013/073308)
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[30] IT (FI2012A000245) 2012-11-08

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[51] **Int.Cl. A01D 43/06 (2006.01)**
[25] EN
[54] **FLAP AND ROLL POSITIONER FOR A SOD HARVESTING APPARATUS**
[54] **DISPOSITIF DE POSITIONNEMENT DE BANDE ET DE ROULEAU POUR UN APPAREIL DE RECOLTE DE GAZON EN PLAQUES**
[72] STEFANSKI, PETER, CA
[72] MILWAIN, ROBERT, CA
[73] 1045929 ONTARIO LIMITED, CA
[85] 2015-05-12
[86] 2013-10-31 (PCT/CA2013/050826)
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[30] US (13/675,225) 2012-11-13

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[51] **Int.Cl. C07C 7/04 (2006.01) C07C 1/24 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **PROCESS FOR REMOVING LIGHT COMPONENTS FROM AN ETHYLENE STREAM**
[54] **PROCEDE POUR ELIMINER DES CONSTITUANTS LEGERS D'UN FLUX D'ETHYLENE**
[72] VERMEIREN, WALTER, BE
[72] BOUTROT, CATHERINE, FR
[72] ARRATIA, MANUELA, FR
[73] TOTAL RESEARCH & TECHNOLOGY FELUY, BE
[73] IFP ENERGIES NOUVELLES, FR
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[51] **Int.Cl. B29C 53/82 (2006.01) B29C 53/78 (2006.01) F16L 9/16 (2006.01)**
[25] EN
[54] **A METHOD AND APPARATUS FOR SPIRALLY WINDING A THERMOPLASTIC PROFILE IN THE MANUFACTURE OF WELDED PLASTIC TUBES**
[54] **PROCEDE ET APPAREIL POUR ENROULER EN SPIRALE UN PROFILE THERMOPLASTIQUE POUR LA FABRICATION DE TUBES DE PLASTIQUE SOUDES**
[72] GLASBERG, CHRISTIAN, FI
[72] KARJALAINEN, KARI, FI
[72] PORTMAN, JOHAN, FI
[72] SJOBERG, SVEN, FI
[73] UPONOR INFRA OY, FI
[85] 2015-05-14
[86] 2013-11-19 (PCT/FI2013/051083)
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[25] FR
[54] **METHOD AND DEVICES FOR REMINERALIZATION AND/OR FOR CORRECTING THE PH OF WATER PRODUCED IN AN AIRCRAFT**
[54] **PROCEDE ET DISPOSITIFS DE REMINERALISATION ET/OU DE CORRECTION DE PH D'UNE EAU PRODUITE DANS UN AERONEF**
[72] BOUKARI, MOROU, FR
[72] AURIOL, MARC, FR
[73] PRODOSE, FR
[85] 2015-05-22
[86] 2012-11-23 (PCT/FR2012/052711)
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[25] EN
[54] **POWER DISTRIBUTOR FOR DEFINED SEQUENTIAL POWER DISTRIBUTION**
[54] **DISTRIBUTEUR DE PUISSANCE PERMETTANT UNE DISTRIBUTION DE PUISSANCE SEQUENTIELLE DEFINIE**
[72] LENDI, DANIEL, CH
[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON, CH
[85] 2015-05-27
[86] 2013-10-29 (PCT/EP2013/003251)
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[51] **Int.Cl. A45D 40/26 (2006.01) A45D 34/04 (2006.01)**
[25] EN
[54] **DUAL EYELASH APPLICATOR WITH REVERSE ACTION APPARATUS**
[54] **APPLICATEUR DOUBLE POUR CILS AVEC APPAREIL A ACTION INVERSEE**
[72] HATCH, LISA, US
[73] LASH DUET, LLC, US
[85] 2015-05-29
[86] 2013-10-04 (PCT/US2013/063564)
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[25] EN
[54] **ROBUST DIGITAL CHANNELS**
[54] **CANAUX NUMERIQUES ROBUSTES**
[72] DEISS, MICHAEL SCOTT, US
[72] HAILEY, JAMES EDWIN, US
[73] INTERDIGITAL CE PATENT HOLDINGS, FR
[85] 2015-06-04
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[51] **Int.Cl. B29C 63/36 (2006.01) F16L 1/00 (2006.01)**
[25] EN
[54] **LINING MATERIAL FOR CONDUIT AND LINING METHOD FOR CONDUIT**
[54] **REVETEMENT DE TUYAU ET PROCEDE POUR REVETIR UN TUYAU**
[72] UEDA, YASUHIRO, JP
[72] ONISHI, SHINJI, JP
[72] YAMASHITA, SHIGEKI, JP
[73] ASHIMORI INDUSTRY CO., LTD., JP
[85] 2015-06-08
[86] 2013-12-05 (PCT/JP2013/082659)
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[25] EN
[54] **AN APPARATUS FOR EXTRACORPOREAL BLOOD TREATMENT.**
[54] **APPAREIL POUR LE TRAITEMENT SANGUIN EXTRACORPOREL.**
[72] SURACE, ALESSANDRO, IT
[72] ROVATTI, PAOLO, IT
[73] GAMBRO LUNDIA AB, SE
[85] 2015-06-15
[86] 2013-12-16 (PCT/IB2013/060984)
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[30] EP (12198335.7) 2012-12-20
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[13] C
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 34/10 (2006.01)**
[25] EN
[54] **VALVE ARRANGEMENT AND METHOD OF OPERATING THE SAME**
[54] **AGENCEMENT DE VANNE ET PROCEDE PERMETTANT D'ACTIONNER CELUI-CI**
[72] SEVHEIM, OLE, NO
[72] KLEPPA, ERLING, NO
[72] HARESTAD, KRISTIAN, NO
[73] PETROLEUM TECHNOLOGY COMPANY AS, NO
[85] 2015-06-18
[86] 2014-02-04 (PCT/EP2014/052080)
[87] (WO2014/118380)
[30] NO (20130179) 2013-02-04
[30] US (61/760,189) 2013-02-04

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[51] **Int.Cl. A61K 9/16 (2006.01) B02C 19/06 (2006.01) F26B 3/12 (2006.01)**
[25] EN
[54] **DYNAMIC SUSPENSION DRYING (DSD) TO CONTROL OSTWALD RIPENING**
[54] **SECHAGE PAR SUSPENSION DYNAMIQUE (DSD) POUR LUTTER CONTRE LE MURISSEMENT D'OSTWALD**
[72] BOTAS, JOAQUIM PEDRO, PT
[72] GONCALVES, DAVID, PT
[72] MARTINS, DAVID, PT
[72] NEVES, FILIPE, PT
[72] MELO, JOSE, PT
[72] ALMEIDA, NUNO, PT
[73] HOVIONE INTERNATIONAL LTD, CN
[85] 2015-07-06
[86] 2014-01-09 (PCT/GB2014/050055)
[87] (WO2014/108687)
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[25] EN
[54] **WIDEBAND AND LOW-LOSS QUADRATURE PHASE QUAD-FEEDING NETWORK FOR HIGH-PERFORMANCE GNSS ANTENNA**
[54] **RESEAU D'ALIMENTATION EN PHASE ET QUADRATURE A FAIBLE PERTE ET LARGE BANDE POUR UNE ANTENNE GNSSS A HAUT RENDEMENT**
[72] YANG, NING, CA
[72] GILBERTSON, CHAD, CA
[73] NOVATEL INC., CA
[86] (2897307)
[87] (2897307)
[22] 2015-07-14
[30] US (14/331,948) 2014-07-15

[11] **2,898,112**
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[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR BUILDING A USER PROFILE, FOR PERSONALIZATION USING INTERACTION DATA, AND FOR GENERATING, IDENTIFYING, AND CAPTURING USER DATA ACROSS INTERACTIONS USING UNIQUE USER IDENTIFICATION**
[54] **PROCEDE ET APPAREIL POUR EDIFIER UN PROFIL D'UTILISATEUR, POUR UNE PERSONNALISATION A L'AIDE DE DONNEES D'INTERACTION, ET POUR GENERER, IDENTIFIER ET CAPTURER DES DONNEES D'UTILISATEUR A TRAVERS DES INTERACTIONS A L'AIDE D'UNE IDENTIFICATION D'UTILISATEUR UNIQUE**
[72] KANNAN, PALLIPURAM V., US
[72] VIJAYARAGHAVAN, RAVI, IN
[72] ADUSUMILLI, KRANTHI MITRA, IN
[73] [24]7.AI, INC., US
[85] 2015-07-13
[86] 2014-01-23 (PCT/US2014/012760)
[87] (WO2014/116835)
[30] US (61/755,868) 2013-01-23
[30] US (61/769,067) 2013-02-25
[30] US (14/161,071) 2014-01-22

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[13] C
[51] **Int.Cl. F17C 13/10 (2006.01) F17C 7/02 (2006.01) F17C 7/04 (2006.01)**
[25] EN
[54] **HEATER WITH REPLACEABLE CARTRIDGE**
[54] **DISPOSITIF DE CHAUFFAGE DOTE D'UNE CARTOUCHE JETABLE**
[72] KIRBY, MICHAEL J., US
[72] ZIMMER, GEORGE M., US
[73] ALGAS-SDI INTERNATIONAL LLC, US
[85] 2015-07-14
[86] 2014-01-24 (PCT/US2014/013060)
[87] (WO2014/117032)
[30] US (13/750,767) 2013-01-25

[11] **2,898,362**
[13] C
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/28 (2006.01) A61K 31/785 (2006.01)**
[25] EN
[54] **GASTRO-RETENTIVE SUSTAINED-RELEASE ORAL DOSAGE FORM OF A BILE ACID SEQUESTRANT**
[54] **FORME POSOLOGIQUE ORALE A LIBERATION PROLONGEE A RETENTION GASTRIQUE D'UN AGENT SEQUESTRANT D'ACIDE BILIAIRE**
[72] SETHURAMAN, VASU, US
[72] HEDDEN, DAVID BRUCE, US
[72] LESKOW, KRISTEN MARIE, US
[73] IRONWOOD PHARMACEUTICALS, INC., US
[85] 2015-07-15
[86] 2014-01-14 (PCT/US2014/011450)
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[30] US (61/752,726) 2013-01-15
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[51] **Int.Cl. A61L 12/14 (2006.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/14 (2006.01) A61K 31/785 (2006.01) A61K 47/02 (2006.01) A61K 47/18 (2017.01) C08G 73/02 (2006.01)**
[25] EN
[54] **POLY(NITROGEN/AMINE) DERIVATIVES OF A NATURAL WAX AND OPHTHALMIC COMPOSITIONS**
[54] **DERIVE DE POLY(AZOTE/AMINE) D'UNE CIRE NATURELLE ET COMPOSITIONS OPHTALMIQUES**
[72] LIU, XIAOJUN MICHAEL, US
[72] FRIDMAN, KRISTA, US
[72] XIA, ERNING, US
[73] BAUSCH & LOMB INCORPORATED, US
[85] 2015-07-16
[86] 2014-01-23 (PCT/US2014/012676)
[87] (WO2014/116787)
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[51] **Int.Cl. A61K 31/351 (2006.01) A61P 1/10 (2006.01) C07D 309/10 (2006.01)**
[25] EN
[54] **USE OF 4-ISOPROPYLPHENYL GLUCITOL COMPOUNDS IN THE TREATMENT OF CONSTIPATION**
[54] **UTILISATION DE COMPOSES 4-ISOPROPYLPHENYL GLUCITOL POUR TRAITER LA CONSTIPATION**
[72] YAMAMOTO, DAISUKE, JP
[72] IO, FUSAYO, JP
[72] YAMAMOTO, KOJI, JP
[73] TAISHO PHARMACEUTICAL CO., LTD., JP
[85] 2015-07-30
[86] 2014-02-03 (PCT/JP2014/052465)
[87] (WO2014/119787)
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[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **INJECTION DEVICE**
[54] **APPAREIL D'INJECTION**
[72] KEITEL, JOACHIM, DE
[72] MACDONALD, DANIEL, CA
[72] BECHTOLD, HERBERT, DE
[73] HASELMEIER AG, CH
[85] 2015-08-06
[86] 2014-02-05 (PCT/EP2014/000313)
[87] (WO2014/121929)
[30] DE (20 2013 001 350.8) 2013-02-08

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[51] **Int.Cl. E02D 29/02 (2006.01) E04C 1/00 (2006.01)**
[25] EN
[54] **WALL ASSEMBLY**
[54] **ENSEMBLE MUR**
[72] CASTONGUAY, BERTIN, CA
[72] DECLOS, ROBERT, CA
[72] REMILLARD, JOEL, CA
[72] PENTERMAN, JOHN, CA
[73] LES MATERIAUX DE CONSTRUCTION OLDCASTLE CANADA INC., CA
[85] 2015-08-14
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[51] **Int.Cl. B62D 59/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO DETERMINE WORK PATHS FOR MACHINES**
[54] **PROCEDES ET APPAREILS POUR DETERMINER DES TRAJETS DE TRAVAIL POUR DES MACHINES**
[72] ANDERSON, NOEL WAYNE, US
[73] DEERE & COMPANY, US
[85] 2015-08-25
[86] 2013-10-22 (PCT/US2013/066161)
[87] (WO2014/149077)
[30] US (13/839,391) 2013-03-15

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[51] **Int.Cl. G06T 7/70 (2017.01) G06T 7/593 (2017.01) H04N 13/128 (2018.01) H04N 13/239 (2018.01) H04N 13/246 (2018.01) B25J 19/02 (2006.01) G01B 11/00 (2006.01) G01B 11/27 (2006.01) G01D 11/24 (2006.01) G01M 11/02 (2006.01) G01S 7/497 (2006.01) G03B 35/08 (2006.01) G01S 17/08 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUS FOR MULTI-SENSORY STEREO VISION FOR ROBOTICS**
[54] **PROCEDES, SYSTEMES, ET APPAREIL DE VISION STEREOSCOPIQUE MULTI-SENSORIELLE POUR LA ROBOTIQUE**
[72] OSTERWOOD, CHRISTOPHER CHARLES, US
[72] STROTHER, DANIEL LELAND, US
[72] LAROSE, DAVID ARTHUR, US
[73] UATC, LLC, US
[85] 2015-08-24
[86] 2014-03-14 (PCT/US2014/027126)
[87] (WO2014/152254)
[30] US (61/792,468) 2013-03-15

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[13] C
[51] **Int.Cl. F28D 9/00 (2006.01)**
[25] EN
[54] **PLATE HEAT EXCHANGER AND METHOD FOR CONSTRUCTING MULTIPLE PASSES IN THE PLATE HEAT EXCHANGER**
[54] **ECHANGEUR THERMIQUE A PLAQUES ET PROCEDE DE CONSTRUCTION DE PLUSIEURS PASSAGES DANS L'ECHANGEUR THERMIQUE A PLAQUES**
[72] PITKANEN, PAAVO, FI
[72] SONNINEN, JYRKI, FI
[72] GUSTAFSSON, PIIA, FI
[73] VAHTERUS OY, FI
[85] 2015-08-26
[86] 2014-02-07 (PCT/FI2014/050089)
[87] (WO2014/162041)
[30] FI (20135320) 2013-04-04

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[13] C
[51] **Int.Cl. F25D 21/02 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INITIATING COIL DEFROST IN A REFRIGERATION SYSTEM EVAPORATOR**
[54] **PROCEDE ET APPAREIL POUR INITIER UN DEGIVRAGE DE SERPENTIN DANS UN EVAPORATEUR DE SYSTEME DE REFRIGERATION**
[72] DEROSIER, GREG, US
[73] EVAPCO, INC., US
[85] 2015-08-28
[86] 2014-03-21 (PCT/US2014/031424)
[87] (WO2014/153499)
[30] US (61/804,045) 2013-03-21
[30] US (14/221,694) 2014-03-21

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[13] C
[51] **Int.Cl. C07D 239/48 (2006.01) A61K 31/415 (2006.01) A61K 31/44 (2006.01) A61K 31/4436 (2006.01) A61K 31/47 (2006.01) A61K 31/505 (2006.01) A61K 31/506 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **THERAMUTEIN MODULATORS**
[54] **MODULATEURS DE THERAMUTEINE**
[72] HOUSEY, GERARD M., US
[73] HMI MEDICAL INNOVATIONS, LLC, US
[86] (2904275)
[87] (2904275)
[22] 2005-05-23
[62] 2,567,813
[30] US (60/573,962) 2004-05-23
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[13] C
[51] **Int.Cl. H04W 12/08 (2009.01) H04W 12/04 (2009.01) H04W 12/06 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MOBILE SINGLE SIGN-ON INTEGRATION**
[54] **SYSTEME ET PROCEDE POUR L'INTEGRATION D'OUVERTURES DE SESSIONS UNIQUES MOBILES**
[72] HYLAND, JONATHAN, IE
[72] FITZPATRICK, EDDIE, IE
[73] GLOBOFORCE LIMITED, US
[85] 2015-10-09
[86] 2013-05-09 (PCT/US2013/040376)
[87] (WO2014/168638)
[30] US (13/861,878) 2013-04-12

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[13] C
[51] **Int.Cl. A61B 5/0215 (2006.01) A01N 1/02 (2006.01) A61M 25/10 (2013.01)**
[25] EN
[54] **CARDIAC FUNCTION EVALUATION SYSTEM**
[54] **SYSTEME D'EVALUATION DE LA FONCTION CARDIAQUE**
[72] OU, RUCHONG, AU
[72] WOODARD, JOHN, AU
[72] NEVILE, JONATHAN CAVENDISH, AU
[73] ORGAN TRANSPORT PTY LTD, AU
[85] 2015-11-20
[86] 2014-05-26 (PCT/AU2014/000550)
[87] (WO2014/197924)
[30] AU (2013902151) 2013-06-14

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[13] C
[51] **Int.Cl. D21F 3/02 (2006.01)**
[25] EN
[54] **PRESS ROLL COMB PLATE AND RELATED METHOD**
[54] **PEIGNE A ROULEAUX DE PRESSAGE ET PROCEDE CONNEXE**
[72] HALLAS, GREGORY, US
[73] ANDRITZ INC., US
[86] (2915200)
[87] (2915200)
[22] 2015-12-15
[30] US (62/094,586) 2014-12-19
[30] US (14/966,809) 2015-12-11

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[13] C
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 1/00 (2006.01) C07K 1/107 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **PROTEIN IN WHICH ELECTROSTATIC INTERACTION IS INTRODUCED WITHIN HYDROPHOBIC INTERACTION SITE AND PREPARATION METHOD THEREOF**
[54] **PROTEINE DANS LAQUELLE UNE INTERACTION ELECTROSTATIQUE EST INTRODUITE SUR UN SITE D'INTERACTION HYDROPHOBE ET METHODE DE PREPARATION ASSOCIEE**
[72] KIM, HOEON, KR
[73] IBENTRUS, INC., KR
[85] 2016-01-14
[86] 2014-03-13 (PCT/KR2014/002139)
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[30] US (61/780,390) 2013-03-14

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[54] **LAME ONDULEE AGRICOLE DE TRAVAIL DU SOL DOTEE D'UN BORD TRANCHANT**
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[73] OSMUNDSON MFG. CO., US
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[54] **PROCEDE ET APPAREIL POUR UTILISATION EFFICACE DE BITS DAI POUR EIMTA DANS LA TECHNOLOGIE LTE**
[72] WEI, CHAO, US
[72] WANG, NENG, US
[72] CHENG, PENG, US
[72] CHEN, WANSHI, US
[72] XU, HAO, US
[72] GAAL, PETER, US
[72] HOU, JILEI, US
[73] QUALCOMM INCORPORATED, US
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[54] **COUVRE PLATEFORME DE CAMION A DOUBLE ACTION**
[72] ROHR, ANDREW N., US
[72] HILL, ROBERT E., JR., US
[73] A.R.E. ACCESSORIES, LLC, US
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[54] **SYSTEMS AND METHODS FOR PRESCRIPTION CONTAINER SHIPPING**
[54] **SYSTEMES ET METHODES D'EXPEDITION DE CONTENANT DE MEDICAMENTS D'ORDONNANCE**
[72] JOPLIN, JONATHAN W., US
[73] EXPRESS SCRIPTS, INC., US
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[54] **OUTIL DE NETTOYAGE DE CARABINE**
[72] OTTER, JONATHAN, GB
[73] NHMD LIMITED, GB
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[54] **DOSING REGIMEN FOR MISSED DOSES FOR LONG-ACTING INJECTABLE PALIPERIDONE ESTERS**
[54] **PROGRAMME DE DOSAGE DE DOSES OUBLIEES DESTINE AUX ESTERS DE PALIPERIDONE INJECTABLES A ACTION PROLONGEE**
[72] GOPAL, SRIHARI, US
[72] RAVENSTIJN, PAULIEN GERADA MARIA, NL
[72] RUSSU, ALBERTO, BE
[72] SAMTANI, MAHESH NARAIN, US
[73] JANSSEN PHARMACEUTICALS, INC., US
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[54] **CONTAINER WITH SHARPLY OUTLINED INDICIA**
[54] **RECIPIENT AVEC UNE INSCRIPTION NETTEMENT VISIBLE**
[72] KITCHER, STEVE, AU
[72] WILD, STUART, AU
[73] OWENS-BROCKWAY GLASS CONTAINER INC., US
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[54] **CONCEPT FOR ENCODING AN AUDIO SIGNAL AND DECODING AN AUDIO SIGNAL USING SPEECH RELATED SPECTRAL SHAPING INFORMATION**
[54] **CONCEPT DESTINE AU CODAGE D'UN SIGNAL AUDIO ET AU DECODAGE D'UN SIGNAL AUDIO A L'AIDE D'INFORMATIONS DE MISE EN FORME SPECTRALE ASSOCIEES A LA PAROLE**
[72] FUCHS, GUILLAUME, DE
[72] MULTRUS, MARKUS, DE
[72] RAVELLI, EMMANUEL, DE
[72] SCHNELL, MARKUS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **MULTI-CHANNEL DELIVERY PLATFORM**
[54] **PLATE-FORME DE DISTRIBUTION MULTICANAL**
[72] BOUZID, AHMED TEWFIK, US
[72] KUMAR, PRAPHUL, US
[72] MATEER, MICHAEL T., US
[72] RENNYSON, DAVID JAMES, US
[73] GREENEDEN U.S. HOLDINGS II, LLC, US
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[72] ROGERS, JASON PAUL, NZ
[73] VALMONT HIGHWAY TECHNOLOGY LIMITED, NZ
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[54] **WATER-RESISTANT PRODUCTS USING A WAX EMULSION**
[54] **PRODUITS RESISTANT A L'EAU CONTENANT UNE EMULSION DE CIRE**
[72] AYAMBEM, AMBA, US
[72] GONZALEZ, ALEX, US
[72] DOBSON, JOHN, US
[73] HENRY COMPANY LLC, US
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[54] **BOX BY PIN PERFORATING GUN SYSTEM AND METHODS**
[54] **SYSTEME PERFORATEUR A FILETAGE FEMELLE-MALE ET PROCEDES ASSOCIES**
[72] BRADLEY, RICHARD WAYNE, US
[72] COLLINS, WILLIAM RICHARD, US
[72] JORDAN, JOHN W., US
[72] LANE, ANDY, US
[72] LANGFORD, DALE, US
[72] LEVINE, CHARLES, US
[72] PUNDOLE, FARAIDOON, US
[73] HUNTING TITAN, INC., US
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[54] **PROCESSING BIOMASS AND PETROLEUM CONTAINING MATERIALS**
[54] **TRAITEMENT DE LA BIOMASSE ET MATERIAUX CONTENANT DU PETROLE**
[72] MEDOFF, MARSHALL, US
[73] XYLECO, INC., US
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[54] **HALF-DUPLEX FREQUENCY DIVISION DUPLEX COMMUNICATION METHOD, BASE STATION, AND TERMINAL**
[54] **PROCEDE DE COMMUNICATION PAR DUPLEXAGE PAR REPARTITION EN FREQUENCE EXPLOITE EN SEMI-DUPLEX, STATION DE BASE ET TERMINAL**
[72] CUI, JIE, CN
[72] LI, ANJIAN, CN
[72] XIA, JINHUAN, CN
[72] YANG, XIAODONG, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **OPTIMIZED DATA CONDENSER AND METHOD**
[54] **DISPOSITIF DE CONDENSATION DE DONNEES OPTIMISE ET PROCEDE**
[72] GOODWIN, ANDREW J., US
[72] FISHER, MATTHEW P., US
[73] ACENTIENT INC., US
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[54] **GATEWAY DEVICE FOR MACHINE-TO-MACHINE COMMUNICATION WITH DUAL CELLULAR INTERFACES**
[54] **DISPOSITIFS DE PASSERELLE POUR UNE COMMUNICATION DE MACHINE A MACHINE AVEC DES INTERFACES CELLULAIRES DOUBLES**
[72] RUCKER, JEFF, US
[72] ARMERDING, DONALD G., US
[73] SYSTECH CORPORATION, US
[86] (2937578)
[87] (2937578)
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[54] **HOMODIMERES DE PEPTIDES MONOMERES LIES PAR DES LIAISONS COVALENTES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE LA PREVENTION DE L'HYPERINSULINISME, DE L'HYPERGLUCAGONEMIE, DE L'INTOLERANCE AU GLUCOSE ET/OU DE L'INSULINORESISTANCE, OU DU DIABETE**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION D'ELECTRODE OU A PROPRIETES MAGNETIQUES, MELANGE ET COMPOSITION OBTENUS PAR CE PROCEDE ET CETTE ELECTRODE.**
[72] SONNTAG, PHILIPPE, FR
[72] AYME-PERROT, DAVID, FR
[72] DUFOUR, BRUNO, FR
[72] PREBE, ARNAUD, FR
[72] GAROIS, NICOLAS, FR
[73] HUTCHINSON, FR
[85] 2016-07-21
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[54] **QUINOLONE DERIVATIVES AS FIBROBLAST GROWTH FACTOR RECEPTOR INHIBITORS**
[54] **DERIVES DE QUINOLONE UTILISES EN TANT QU'INHIBITEURS DU RECEPTEUR DU FACTEUR DE CROISSANCE DES FIBROBLASTES**
[72] VERNER, ERIK, US
[72] BRAMELD, KENNETH ALBERT, US
[73] PRINCIPIA BIOPHARMA, INC., US
[85] 2016-07-21
[86] 2015-02-04 (PCT/US2015/014460)
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[30] US (61/937,211) 2014-02-07
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[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE DE COMMANDE POUR SYSTEME DE PILE A COMBUSTIBLE**
[72] HOSHI, KIYOSHI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2016-08-17
[86] 2014-12-17 (PCT/JP2014/083350)
[87] (WO2015/122097)
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[54] **SYSTEMS AND METHODS FOR SAMPLING FLUIDS USING NUCLEAR MAGNETIC RESONANCE (NMR)**
[54] **SYSTEMES ET METHODES D'ECHANTILLONNAGE DE LIQUIDES PAR IMAGERIE PAR RESONNANCE MAGNETIQUE (IRM)**
[72] KANTZAS, APOSTOLOS, CA
[72] KRIOUTCHKOV, SERGUEI I., CA
[72] WANG, ZHENG YIN, CA
[73] PERM INC., CA
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[51] **Int.Cl. A47C 1/035 (2006.01) A47C 1/032 (2006.01) A61G 5/14 (2006.01)**
[25] EN
[54] **ZERO-WALL CLEARANCE LINKAGE MECHANISM FOR A DUAL MOTOR LIFTING RECLINER**
[54] **MECANISME DE LIAISON SANS DEGAGEMENT DE PAROI POUR FAUTEUIL INCLINABLE ELEVATEUR DOTE DE DEUX MOTEURS**
[72] LAWSON, GREGORY M., US
[73] L & P PROPERTY MANAGEMENT COMPANY, US
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[54] **SYSTEME DE VISION D'AVION PERFECTIONNE UTILISANT UNE PROGRAMMATION DE GAIN A CAPTEURS MULTIPLES**
[72] O'DELL, ROBERT, US
[72] LANDERS, STEPHEN, US
[72] FREEMAN, GARY, US
[73] GULFSTREAM AEROSPACE CORPORATION, US
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[54] **MOLECULES CHIMIQUES INHIBANT LE MECANISME D'EPISSAGE POUR TRAITER DES MALADIES RESULTANT D'ANOMALIES D'EPISSAGE**
[72] TAZI, JAMAL, FR
[72] MAHUTEAU-BETZER, FLORENCE, FR
[72] ROUX, PIERRE, FR
[72] GRIERSON, DAVID, CA
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[73] INSTITUT CURIE, FR
[73] UNIVERSITE DE MONTPELLIER, FR
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[54] **IN-GROUND LIGHT FIXTURE SYSTEM WITH IMPROVED INSTALLATION CLOSURE MECHANISM AND DRAINAGE**
[54] **SYSTEME D'APPAREIL D'ECLAIRAGE DANS LE SOL AVEC MECANISME DE FERMETURE D'INSTALLATION ET DRAINAGE AMELIORES**
[72] CAVALIERE, DAVID, CA
[72] HAMEL, YVAN, CA
[72] PELLAN, JEAN-PHILIPPE, CA
[73] LUMENPULSE GROUP INC./GROUPE LUMENPULSE INC., CA
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[54] **OPERATIONS WITH INSTRUMENTED GAME BALL**
[54] **OPERATIONS AVEC UN BALLON DE JEU INSTRUMENTE**
[72] KING, KEVIN, US
[72] TYSON, MATTHEW ANTHONY, US
[72] DAVISSON, MARK JOSEPH, US
[72] MAZIARZ, MICHAEL, US
[73] RUSSELL BRANDS, LLC, US
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[25] EN
[54] **AUDIO ENCODER AND DECODER USING A FREQUENCY DOMAIN PROCESSOR, A TIME DOMAIN PROCESSOR, AND A CROSS PROCESSOR FOR CONTINUOUS INITIALIZATION**
[54] **CODEUR ET DECODEUR AUDIO UTILISANT UN PROCESSEUR DE DOMAINE FREQUENTIEL, UN PROCESSEUR DE DOMAINE TEMPOREL ET UN PROCESSEUR CROISE POUR UNE INITIALISATION CONTINUE**
[72] DISCH, SASCHA, DE
[72] DIETZ, MARTIN, DE
[72] MULTRUS, MARKUS, DE
[72] FUCHS, GUILLAUME, DE
[72] RAVELLI, EMMANUEL, DE
[72] NEUSINGER, MATTHIAS, DE
[72] SCHNELL, MARKUS, DE
[72] SCHUBERT, BENJAMIN, DE
[72] GRILL, BERNHARD, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E. V., DE
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[30] EP (14178819.0) 2014-07-28

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[54] **CONTROLE DE PROFONDEUR DE GLENOIDE SPECIFIQUE AU PATIENT**
[72] KEHRES, CLINTON E., US
[72] WINSLOW, NATHAN A., US
[73] BIOMET MANUFACTURING, LLC, US
[85] 2016-12-01
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[87] (WO2015/187676)
[30] US (14/295,021) 2014-06-03
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[25] EN
[54] **PRESSED ARTICLE MANUFACTURING METHOD AND PRESS MOLD**
[54] **PROCEDE DE FABRICATION D'ARTICLE PRESSE ET MOULE DE PRESSE**
[72] MIYAGI, TAKASHI, JP
[72] OGAWA, MISAO, JP
[72] ASO, TOSHIMITSU, JP
[72] TANAKA, YASUHARU, JP
[72] MURAKAMI, KEIICHI, JP
[73] NIPPON STEEL CORPORATION, JP
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[30] JP (2014-131902) 2014-06-26

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[25] EN
[54] **PIVOTING SUPPORT WHEEL FOR MOUNTING ON A PLOW FRAME**
[54] **ROUE DE PROFONDEUR ORIENTABLE DESTINEE A ETRE MONTEE SUR LE BATI D'UNE CHARRUE**
[72] SIEBERS, JOSEF, DE
[73] LEMKEN GMBH & CO. KG, DE
[85] 2017-01-05
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[30] DE (10 2014 109 605.3) 2014-07-09

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[25] EN
[54] **EXTENDED FIELD ITERATIVE RECONSTRUCTION TECHNIQUE (EFIRT) FOR CORRELATED NOISE REMOVAL**
[54] **TECHNIQUE DE RECONSTRUCTION ITERATIVE DE CHAMP ETENDU (EFIRT) DESTINEE A UNE SUPPRESSION DE BRUITS CORRELES**
[72] MAHMOOD, FAISAL, JP
[72] OFVERSTEDT, LARS-GORAN WALLENTIN, JP
[72] SKOGLUND, BO ULF, JP
[73] OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY SCHOOL CORPORATION, JP
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[25] EN
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[54] **TOLE D'ACIER ELECTROMAGNETIQUE NON ORIENTE ET SON PROCEDE DE FABRICATION**
[72] NAKANISHI, TADASHI, JP
[72] NAKAJIMA, HIROAKI, JP
[72] OKUBO, TOMOYUKI, JP
[72] ODA, YOSHIHIKO, JP
[73] JFE STEEL CORPORATION, JP
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[54] **MANGEOIRE POUR OISEAUX**
[72] THORN, JAMES JOHN, GB
[73] THORN, JAMES JOHN, GB
[73] OAKTHRIFT CORPORATION LTD, GB
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[25] EN
[54] **CRIMPING INSTRUMENT WITH REDUCED DIMENSION, CONTINUED COMPATIBILITY, AND TISSUE PROTECTION FEATURES**
[54] **INSTRUMENT DE SERTISSAGE DE DIMENSION REDUITE, DE COMPATIBILITE PROLONGEE ET AYANT DES CARACTERISTIQUES DE PROTECTION DU TISSU**
[72] SAUER, JUDE, S., US
[73] LSI SOLUTIONS, INC., US
[85] 2017-03-02
[86] 2015-08-07 (PCT/US2015/044329)
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[25] EN
[54] **METHOD FOR LAMINATING A PROTECTIVE LAYER OVER A PRINTED THERMOPLASTIC SUBSTRATE AND SECURITY DOCUMENT MADE THEREFROM**
[54] **PROCEDE POUR LA STRATIFICATION D'UNE COUCHE DE PROTECTION SUR UN SUBSTRAT THERMOPLASTIQUE IMPRIME ET DOCUMENT DE SECURITE REALISE A PARTIR DE CELUI-CI**
[72] CRUIKSHANK, DAVID, CA
[72] O'GORMAN, LARRY, CA
[72] CONNELLY, SEAN, CA
[72] THURAILINGAM, THIVAHARAN, CA
[73] CANADIAN BANK NOTE COMPANY, LIMITED, CA
[85] 2017-03-06
[86] 2014-09-30 (PCT/CA2014/050937)
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[25] EN
[54] **SYSTEMS AND METHODS FOR DISTRIBUTED CONTROL**
[54] **SYSTEMES ET PROCEDES POUR UNE COMMANDE DISTRIBUEE**
[72] WAGNER, DANIEL J., US
[72] HANCHETT, MARK A., US
[72] KLOC, AARON J., US
[72] CONANT, TYLER, US
[73] AXON ENTERPRISE, INC., US
[85] 2017-04-13
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[30] US (62/066,083) 2014-10-20
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[54] **SYSTEM AND METHOD FOR FACILITATING COMPUTER GENERATED CONVERSATIONS WITH THE AID OF A DIGITAL COMPUTER**
[54] **SYSTEME ET METHODE PERMETTANT DE TENIR DES CONVERSATIONS GENEREES PAR L'ORDINATEUR A L'AIDE D'UN ORDINATEUR NUMERIQUE**
[72] LALJI, ALKARIM, US
[72] WELLS, ANDREW A., US
[73] SMARTBOTHUB, INC., US
[86] (2964936)
[87] (2964936)
[22] 2017-04-24
[30] US (62/326,274) 2016-04-22
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[25] EN
[54] **MEDICAL RESTRICTION DEVICE FOR HOLLOW ORGANS OF A BODY**
[54] **DISPOSITIF DE RESTRICTION MEDICAL POUR ORGANES CREUX D'UN CORPS**
[72] SZEWCZYK, TOMASZ, PL
[72] CLAESSENS, FRANK, BE
[73] Q MEDICAL INTERNATIONAL AG, CH
[86] (2965253)
[87] (2965253)
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[25] EN
[54] **SYSTEM AND METHOD FOR DYNAMIC WIRELESS AERIAL MESH NETWORK**
[54] **SYSTEME ET PROCEDE POUR RESEAU MAILLE ANTENNAIRE SANS FIL DYNAMIQUE**
[72] MAZZARELLA, JOSEPH R., US
[72] WENGROVITZ, MICHAEL S., US
[73] MUTUALINK, INC., US
[85] 2017-04-20
[86] 2015-10-19 (PCT/US2015/056147)
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[54] **MODULAR FLOORING**
[54] **REVETEMENT DE SOL MODULAIRE**
[72] ZHONG, YUGANG, CN
[73] ZHONG, YUGANG, CN
[85] 2017-05-10
[86] 2014-08-26 (PCT/CN2014/085194)
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[30] CN (201310562290.4) 2013-11-12
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[25] EN
[54] **APPARATUS AND METHOD FOR MEASURING FLOWABLE SUBSTANCE AND ARRANGEMENT AND METHOD FOR CONTROLLING SOLID CONTENT OF FLOWABLE SUBSTANCE**
[54] **APPAREIL ET PROCEDE DE MESURE DE SUBSTANCE FLUIDE, ET AGENCEMENT ET PROCEDE DE REGULATION DE TENEUR EN SOLIDES DE SUBSTANCE FLUIDE**
[72] JAKKULA, PEKKA, FI
[73] SENFIT OY, FI
[85] 2017-05-10
[86] 2015-11-10 (PCT/FI2015/050777)
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[54] **METHODS OF OBTAINING MESENCHYMAL PROGENITOR CELLS**
[54] **METHODES D'OBTENTION DE CELLULES PROGENITRICES MESENCHYMATEUSES**
[72] JACKSON, WESLEY M., US
[72] NESTI, LEON J., US
[72] TUAN, ROCKY S., US
[73] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICINE, INC., US
[73] THE UNITED STATES GOVERNMENT, AS REPRESENTED BY THE SECRETARY OF THE ARMY, US
[73] THE GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
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[25] EN
[54] **A SKIN ENGAGING MEMBER COMPRISING ETHYLENE VINYL ACETATE**
[54] **ELEMENT DE CONTACT AVEC LA PEAU COMPRENANT DE L'ETHYLENE-ACETATE DE VINYLE**
[72] HAYES, KEESHA ALICIA, US
[72] MOLONEY, MICHAEL JOHN, US
[72] RIES, PETER MICHAEL, US
[73] THE GILLETTE COMPANY LLC, US
[85] 2017-05-12
[86] 2015-11-18 (PCT/US2015/061325)
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[30] US (62/085,071) 2014-11-26

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[25] EN
[54] **CENTRAL-STRING INVERTER DEVICE**
[54] **DISPOSITIF INVERSEUR A CORDE CENTRALE**
[72] ZHAO, WEI, CN
[72] LU, YOU, CN
[72] SHEN, TAN, CN
[72] MEI, XIAODONG, CN
[73] SUNGROW POWER SUPPLY CO., LTD., CN
[86] (2968619)
[87] (2968619)
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[25] EN
[54] **ROTOR BLADE EROSION PROTECTION SYSTEM**
[54] **SYSTEME ANTI-CORROSION POUR PALE DE ROTOR**
[72] NISSEN, JEFFREY P., US
[73] TEXTRON INNOVATIONS INC., US
[86] (2968759)
[87] (2968759)
[22] 2012-08-29
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[25] EN
[54] **METHOD FOR PREDICTING CHEMICAL SHIFT VALUES OF NMR SPIN SYSTEMS IN A SAMPLE OF A FLUID CLASS, IN PARTICULAR IN A SAMPLE OF A BIOFLUID**
[54] **METHODE DE PREDICTION DES VALEURS DE CHANGEMENT CHIMIQUE DES SYSTEMES DE SPIN RMN DANS UN ECHANTILLON DE CLASSE DE FLUIDE, EN PARTICULIER UN ECHANTILLON D'UN BIOFLUIDE**
[72] TAKIS, PANTELEIMON, IT
[72] LUCHINAT, CLAUDIO, IT
[73] BRUKER BIOSPIN GMBH, DE
[86] (2969928)
[87] (2969928)
[22] 2017-06-07
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[51] **Int.Cl. G02B 6/36 (2006.01) G02B 6/38 (2006.01) G02B 6/44 (2006.01)**
[25] EN
[54] **CONNECTING PIECE AND OPTICAL FIBER CONNECTOR**
[54] **ELEMENT DE RACCORDEMENT ET CONNECTEUR DE FIBRE OPTIQUE**
[72] HUANG, XUESONG, CN
[72] WU, WENXIN, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-06-06
[86] 2014-12-25 (PCT/CN2014/094975)
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[25] EN
[54] **CENTRIFUGE COLLECTION OF HEAVY MINERALS IN FLOWING WATER**
[54] **COLLECTE CENTRIFUGE DE MINERAUX LOURDS DANS L'EAU D'ECOULEMENT**
[72] KLYNE, KENNETH M., CA
[73] KLYNE, KENNETH M., CA
[86] (2970033)
[87] (2970033)
[22] 2017-06-09
[30] US (62350469) 2016-06-15
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[51] **Int.Cl. H04N 5/232 (2006.01) G03B 7/00 (2014.01)**
[25] EN
[54] **METHOD FOR MOBILE DEVICE TO IMPROVE CAMERA IMAGE QUALITY BY DETECTING WHETHER THE MOBILE DEVICE IS INDOORS OR OUTDOORS**
[54] **PROCEDE POUR AMELIORER LA QUALITE D'IMAGE DE L'APPAREIL DE PRISE DE VUES D'UN DISPOSITIF MOBILE PAR DETERMINATION D'UNE UTILISATION EN INTERIEUR OU EN EXTERIEUR DU DISPOSITIF MOBILE**
[72] MCCARTHY, ROBERT, US
[72] MAZZOLA, ANTHONY, US
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-06-12
[86] 2015-12-24 (PCT/CN2015/098692)
[87] (WO2016/112778)
[30] US (14/595,990) 2015-01-13

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[13] C
[51] **Int.Cl. G01N 27/327 (2006.01) G01N 27/49 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **HEMOLYSIS DETECTION USING INTRACELLULAR ANALYTE CONCENTRATIONS**
[54] **DETECTION D'UNE HEMOLYSE A L'AIDE DE CONCENTRATIONS INTRACELLULAIRES D'ANALYTES**
[72] ZHANG, WEI, US
[72] HORAN, KEVIN, US
[73] SIEMENS HEALTHCARE DIAGNOSTICS INC., US
[85] 2017-06-16
[86] 2015-12-18 (PCT/US2015/066691)
[87] (WO2016/100824)
[30] US (62/094,455) 2014-12-19

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[25] EN
[54] **CONTINUOUS AUTOMATIC CONTROL OF BLOOD GLUCOSE LEVEL**
[54] **CONTROLE AUTOMATIQUE CONTINU DE TAUX DE GLUCOSE SANGUIN**
[72] TOPHOLM, RICHARD, DK
[72] JENSEN, RASMUS STIG, DK
[72] CHRISTENSEN, ERIK SKOV, DK
[72] MADSEN, RASMUS ELSBORG, DK
[73] T&W ENGINEERING A/S, DK
[85] 2017-07-07
[86] 2015-01-19 (PCT/EP2015/050855)
[87] (WO2016/116127)

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[51] **Int.Cl. B05D 1/36 (2006.01) B05D 7/24 (2006.01) B32B 27/18 (2006.01)**
[25] EN
[54] **METHOD FOR FORMING MULTILAYER COATING FILM**
[54] **PROCEDE DE FORMATION D'UN FILM DE REVETEMENT MULTICOUCHE**
[72] TAKAYAMA, DAISUKE, JP
[72] TONOMURA, HIRONORI, JP
[72] MATSUSHIMA, NAOTO, JP
[72] NAKAHARA, SHUICHI, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2017-07-18
[86] 2015-12-10 (PCT/JP2015/084655)
[87] (WO2016/121239)
[30] JP (2015-016689) 2015-01-30

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[51] **Int.Cl. H04N 21/431 (2011.01) H04N 21/41 (2011.01) H04N 21/433 (2011.01) H04N 21/6543 (2011.01)**
[25] EN
[54] **PLAYBACK MANIPULATION IN RESPONSE TO NOTIFICATION**
[54] **MANIPULATION DE LECTURE EN REPONSE A UNE NOTIFICATION**
[72] BUGAJSKI, MAREK, US
[72] MORGOS, MARCIN, PL
[73] ARRIS ENTERPRISES LLC, US
[85] 2017-07-25
[86] 2016-02-01 (PCT/US2016/015957)
[87] (WO2016/123611)
[30] US (62/110,128) 2015-01-30
[30] US (15/011,828) 2016-02-01

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[13] C
[51] **Int.Cl. H03M 13/09 (2006.01) H03M 13/11 (2006.01)**
[25] EN
[54] **TRANSMITTER AND ADDITIONAL PARITY GENERATING METHOD THEREOF**
[54] **EMETTEUR, ET PROCEDE DE GENERATION DE BITS DE PARITE SUPPLEMENTAIRES CORRESPONDANT**
[72] JEONG, HONG-SIL, KR
[72] KIM, KYUNG-JOONG, KR
[72] MYUNG, SE-HO, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2017-07-26
[86] 2016-02-15 (PCT/KR2016/001506)
[87] (WO2016/129975)
[30] US (62/115,810) 2015-02-13
[30] US (62/120,543) 2015-02-25
[30] US (62/202,304) 2015-08-07
[30] KR (10-2015-0137191) 2015-09-27

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[13] C
[51] **Int.Cl. G06Q 40/08 (2012.01)**
[25] EN
[54] **RISK UNIT BASED POLICIES**
[54] **REGLEMENTS BASES SUR UNE UNITE DE RISQUE**
[72] BIEMER, EDWARD A., US
[72] IREY, GRADY, US
[72] STYRSKY, CARYL M., US
[73] ARITY INTERNATIONAL LIMITED, GB
[85] 2017-07-26
[86] 2016-01-13 (PCT/US2016/013201)
[87] (WO2016/122880)
[30] US (14/607,662) 2015-01-28

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[13] C
[51] **Int.Cl. B03D 1/00 (2006.01) B01D 21/00 (2006.01) B03B 9/02 (2006.01)**
[25] EN
[54] **ENHANCED BITUMEN RECOVERY, SEPARATION AND WATER CLARIFICATION PROCESS**
[54] **RECUPERATION DE BITUME AMELIOREE, SEPARATION ET PROCEDE DE CLARIFICATION DE L'EAU**
[72] MAZYAR, OLEG A., US
[72] KUZNETSOV, OLEKSANDR, US
[72] KHABASHESKU, VALERY, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[86] (2975484)
[87] (2975484)
[22] 2017-08-03
[30] US (62/375,121) 2016-08-15
[30] US (62/375,136) 2016-08-15
[30] US (15/650,626) 2017-07-14

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[13] C
[51] **Int.Cl. E04F 13/072 (2006.01) E04B 1/70 (2006.01) E04C 2/52 (2006.01) E04F 13/075 (2006.01) E04F 17/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A VENTED AND WATER CONTROL SIDING, VENTED AND WATER CONTROL SHEATHING AND VENTED AND WATER CONTROL TRIM-BOARD**
[54] **SYSTEME ET PROCEDE POUR UN PAREMENT VENTILE ET A REGULATION DE L'HUMIDITE, REVETEMENT VENTILE ET A REGULATION DE L'HUMIDITE ET PANNEAU D'HABILLAGE VENTILE ET A REGULATION DE L'HUMIDITE**
[72] NORWOOD, STEVEN, US
[72] ABU-JABER, AMIR, US
[73] NORWOOD ARCHITECTURE, INC., US
[85] 2017-08-04
[86] 2015-02-13 (PCT/US2015/015921)
[87] (WO2015/123580)
[30] US (61/940,285) 2014-02-14
[30] US (61/955,702) 2014-03-19

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[13] C
[51] **Int.Cl. B60N 2/90 (2018.01) A47C 7/18 (2006.01) B60N 2/62 (2006.01) B60N 2/66 (2006.01)**
[25] EN
[54] **VEHICULAR SEAT ELEMENT**
[54] **ELEMENT DE SIEGE DE VEHICULE**
[72] STANCIU, ROMEO, CA
[72] BECKE, LAWRENCE STEPHEN, CA
[72] WEIERSTALL, MARK DONALD, US
[73] PROPRIETECT L.P., CA
[85] 2017-08-23
[86] 2016-02-26 (PCT/CA2016/050199)
[87] (WO2016/134479)
[30] US (62/121,687) 2015-02-27

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[13] C
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **DISPERSIBLE DOSAGE FORM**
[54] **FORME POSOLOGIQUE DISPERSIBLE**
[72] WAGNER-HATTLER, LEONIE, CH
[72] PUCHKOV, MAXIM, CH
[72] HUWYLER, JORG, CH
[72] STIRNIMANN, TANJA, CH
[72] DIAZ QUIJANO, CAROLINA, CH
[72] SCHOELKOPF, JOACHIM, CH
[72] GANE, PATRICK A.C., CH
[72] GERARD, DANIEL E., CH
[73] OMYA INTERNATIONAL AG, CH
[85] 2017-08-28
[86] 2016-03-15 (PCT/EP2016/055590)
[87] (WO2016/150773)
[30] EP (15160194.5) 2015-03-20
[30] US (62/203,948) 2015-08-12

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[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/18 (2013.01) G10L 21/038 (2013.01) G10L 19/02 (2013.01) G10L 19/04 (2013.01)**
[25] EN
[54] **AUDIO ENCODER FOR ENCODING A MULTICHANNEL SIGNAL AND AUDIO DECODER FOR DECODING AN ENCODED AUDIO SIGNAL**
[54] **ENCODEUR AUDIO POUR ENCODER UN SIGNAL MULTI-CANAL, ET DECODEUR AUDIO POUR DECODER UN SIGNAL AUDIO ENCODE**
[72] DISCH, SASCHA, DE
[72] FUCHS, GUILLAUME, DE
[72] RAVELLI, EMMANUEL, DE
[72] NEUKAM, CHRISTIAN, DE
[72] SCHMIDT, KONSTANTIN, DE
[72] BENNDORF, CONRAD, DE
[72] NIEDERMEIER, ANDREAS, DE
[72] SCHUBERT, BENJAMIN, DE
[72] GEIGER, RALF, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2017-09-06
[86] 2016-03-07 (PCT/EP2016/054776)
[87] (WO2016/142337)
[30] EP (15158233.5) 2015-03-09
[30] EP (15172594.2) 2015-06-17

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[13] C
[51] **Int.Cl. G02B 23/12 (2006.01) F41G 1/32 (2006.01)**
[25] EN
[54] **NIGHT VISION APPARATUS AND METHODS**
[54] **DISPOSITIF ET PROCEDES DE VISION NOCTURNE**
[72] KLEIN, AVNER, AU
[73] KLEIN, AVNER, AU
[85] 2017-09-20
[86] 2015-03-23 (PCT/AU2015/050124)
[87] (WO2015/139092)
[30] AU (2014900995) 2014-03-21
[30] AU (2014268232) 2014-11-27

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[13] C
[51] **Int.Cl. F03D 17/00 (2016.01)**
[25] EN
[54] **METHOD FOR DETERMINING THE REMAINING SERVICE LIFE OF A WIND TURBINE**
[54] **PROCEDE SERVANT A DETERMINER LA DUREE DE VIE RESTANTE D'UNE EOLIENNE**
[72] BRENNER, ALBRECHT, DE
[72] ZIEMS, JAN CARSTEN, DE
[73] WOBBEN PROPERTIES GMBH, DE
[85] 2017-09-22
[86] 2016-04-13 (PCT/EP2016/058068)
[87] (WO2016/166129)
[30] DE (10 2015 206 515.4) 2015-04-13

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[54] **INSTALLATION DE COMPRESSEUR EQUIPEE D'UN APPAREIL DE SECHAGE DESTINEE A UN GAZ COMPRIME ET METHODE DE SECHAGE DE GAZ COMPRIME**
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[72] VERTRIEST, DANNY, BE
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
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[54] **APPAREIL PORTABLE ET SECURISE POUR ACCEPTER DES COLIS ET DES LIVRAISONS**
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[54] **ENSEMBLE DISPOSITIF DE SERRAGE DE REPARATION**
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[72] MINICH, RAYMOND C., US
[73] TOTAL PIPING SOLUTIONS, INC., US
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[54] **SYSTEME DE GENERATION D'ENERGIE THERMOELECTRIQUE**
[72] FERRER RAMIS, CARLES, ES
[72] OLIVER MALAGELADA, JOAN, ES
[72] ARAGONES ORTIZ, RAUL, ES
[72] MALET MUNTE, ROGER, ES
[73] UNIVERSITAT AUTONOMA DE BARCELONA, ES
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[72] VISOR, GARY CONRAD, US
[73] PLEXXIKON INC., US
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[54] **SUBSTRAT DE PAPIER REVETU HYDROPHOBE POUR COUCHES DE FINITION D'EMULSION DE POLYMERE, ET SON PROCEDE DE FABRICATION**
[72] KOENIG, MICHAEL F., US
[72] REED, DAVID V., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
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[54] **APPAREIL ET METHODE DE PREVENTION DES COLLISIONS PENDANT LE DEPLACEMENT DES COLONES DE PRODUCTION DANS UNE TETE DE PUITS OU HORS D'UNE TETE DE PUITS**
[72] MARTIN, BRADLEY ROBERT, CA
[72] HUG, ROBERT LOUIS, CA
[72] VALLET, CALVERT JOSEPH, CA
[73] INTELLIGENT WELLHEAD SYSTEMS INC., CA
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[54] **DIFFUSEUR D'INFLUENT INTEGRE POUR FILTRE DE SUPPORT FLOTTANT**
[72] MALONE, RONALD F., US
[73] MALONE INDUSTRIES LLC, US
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[54] **A CONTROL APPARATUS AND METHOD FOR CONTROLLING A MEDICAL SYSTEM, A PORTABLE DEVICE, AN ARRANGEMENT, AND A COMPUTER PROGRAM PRODUCT**
[54] **APPAREIL DE COMMANDE ET PROCEDE DE COMMANDE D'UN SYSTEME MEDICAL, DISPOSITIF PORTATIF, AGENCEMENT ET PROGRAMME INFORMATIQUE**
[72] HENRICH, ANNIKA, CH
[72] RENDSCHMIDT, TIL, DE
[72] GRAF, MARKUS, DE
[72] LOERRACHER, TOBIAS, DE
[72] WETZEL, SIMON, DE
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[54] **WRITING TOOL AND DISPENSING UNIT THEREOF**
[54] **OUTIL D'ECRITURE ET MODULE DE DISTRIBUTION ASSOCIE**
[72] CHEN, SZU-YU, CN
[73] SDI CORPORATION, CN
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[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT D'INTERACTION DE DONNEES**
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[73] 10353744 CANADA LTD., CA
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[54] **DISPOSITIF D'HYGIENE BUCCALE A CONSERVATION D'ENERGIE**
[72] WAGNER, ROBERT D., US
[73] WATER PIK, INC., US
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[72] CHAMBERS, BENJAMIN T., US
[72] WOTTON, GEOFFREY, US
[72] LARSON, JUSTIN, US
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[54] **TIP-RETENTION DEVICE FOR USE WITH A WELDING SYSTEM**
[54] **DISPOSITIF DE RETENTION D'EMBOUT DESTINE A UN SYSTEME DE SOUDAGE**
[72] JANSMA, JEREMY L., US
[72] CENTNER, ROBERT J., US
[72] WELLS, JEFFREY G., US
[73] ILLINOIS TOOL WORKS INC., US
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[72] COVEZZI, MASSIMO, IT
[72] DALL'OCCO, TIZIANO, IT
[72] LIGUORI, DARIO, IT
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[54] **TWO-PART STORAGE AND MIXING DEVICE FOR THE PRODUCTION OF A BONE CEMENT, AND PERTINENT METHOD**
[54] **RANGEMENT EN DEUX PARTIES ET DISPOSITIF DE MELANGE DESTINE A LA PRODUCTION D'UN CIMENT ORTHOPEDIQUE, ET METHODE PERTINENTE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
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[54] **ELEMENTS D'ETANCHEITE DESTINES A DES BARRIERES CONTRE LES INTEMPERIES**
[72] DIGMANN, CHARLES, US
[72] ASHELIN, CHARLES J., US
[72] HEIM, FRANK, US
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[72] WITHROW, RYAN, US
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[54] **METHODS FOR PLACING A BARRIER MATERIAL IN A WELLBORE TO PERMANENTLY LEAVE TUBING IN CASING FOR PERMANENT WELLBORE ABANDONMENT**
[54] **PROCEDES DE PLACEMENT D'UN MATERIAU FORMANT BARRIERE DANS UN PUITS DE FORAGE AFIN DE LAISSER LE TUBAGE DE FACON PERMANENTE DANS LE COFFRAGE POUR CESSATION PERMANENTE D'EXPLOITATION DE PUITS DE FORAGE**
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[72] LAVALLEE, YANN, CA
[72] CANNON, CAREY, US
[73] BELL HELICOPTER TEXTRON INC., US
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[54] **CORRECTION MULTIFOCALE ASSURANT UNE QUALITE AMELIOREE DE LA VISION**
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[72] KOLLBAUM, PETE S., US
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[54] **BIBLIOTHEQUES DE COMPOSES MACROCYCLIQUES CONTENANT HETEROARYLE ET PROCEDES POUR LEUR FABRICATION ET LEUR UTILISATION**
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[72] PETERSON, MARK L., CA
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[72] MANEY, BILL, US
[72] TIAN, HUI, US
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[54] **APPAREIL DE DECODAGE DE DONNEES VIDEO**
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[54] **ROUE ELECTRIQUE HYBRIDE ACTIVEE PAR CAPTEUR ET SYSTEMES ASSOCIES, SYSTEMES DE RAYON DE ROUE MULTI-MOYEU, ET PROCEDES DE FABRICATION ET D'INSTALLATION DE RAYONS DE ROUE**
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[72] RATTI, CARLO, US
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[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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[72] FERNANDEZ-GOMEZ, SANTIAGO, US
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[54] **APPAREIL D'APPLICATION DE CIMENT ORTHOPEDIQUE DOTE D'UN MECANISME DE FERMETURE SUR LE PISTON DE DISTRIBUTION**
[72] VOGT, SEBASTIAN, DE
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[73] SATORI SOFTWARE INC., US
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[54] **SYSTEMES ET PROCEDES PERMETTANT DE MELANGER ET DE TRANSPORTER UN MEDICAMENT EN TOUTE SECURITE**
[72] GARFIELD, JARED, US
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[73] J&J SOLUTIONS, INC. D.B.A CORVIDA MEDICAL, US
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[73] LDE CORPORATION, US
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[54] **SYSTEME DE DEPLACEMENT DE PALETTES POUR ENSEMBLE DE STOCKAGE DE PALETTES**
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[54] **A PROCESS FOR RECOVERING HYDROCARBONS IN A SOLUTION POLYMERISATION PROCESS**
[54] **PROCEDE DE RECUPERATION D'HYDROCARBURES DANS UN PROCESSUS DE POLYMERISATION EN SOLUTION**
[72] AL-HAJ ALI, MOHAMMAD, FI
[72] ERIKSSON, ERIK, SE
[72] MATHIVANAN, GUHAN, AT
[72] SLEIJSTER, HENRY, NL
[72] VIJAY, SAMEER, AT
[72] WURNITSCH, CHRISTOF, AT
[72] ZITTING, SAMULI, FI
[73] BOREALIS AG, AT
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[54] **LOQUET ET METHODE D'INSTALLATION D'UN LOQUET**
[72] DOERFLINGER, DAVID A., US
[73] SNAP-ON INCORPORATED, US
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[54] **CIRCUIT CARD RACK SYSTEM AND METHOD**
[54] **SYSTEME DE BATI DE CARTES DE CIRCUIT IMPRIME ET PROCEDE**
[72] CHRISTIANSEN, MARTIN BROKNER, US
[72] CHOROSINSKI, LEONARD GEORGE, US
[72] HEFFNER, H. CRAIG, US
[72] WAKAMIYA, STANLEY KATSUYOSHI, US
[73] NORTHROP GRUMMAN SYSTEMS CORPORATION, US
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[54] **SYSTEM AND METHOD FOR DETERMINING UNCERTAINTY IN A PREDICTED FLIGHT PATH FOR AN AERIAL VEHICLE**
[54] **SYSTEME ET METHODE DE DETERMINATION DE L'INCERTITUDE DANS UN TRAJET DE VOL PREDIT D'UN VEHICULE AERIEN**
[72] BORGYOS, SZABOLCS ANDRAS, US
[72] HOCHWARTH, JOACHIM KARL ULF, US
[73] GE AVIATION SYSTEMS LLC, US
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[25] EN
[54] **REMOVABLE ELECTRIC GRILL CONTROLLER WITH MOUNT**
[54] **CONTROLEUR DE GRILL ELECTRIQUE AMOVIBLE DOTE D'UN DISPOSITIF D'INSTALLATION**
[72] SCHMESKI, KEVIN JAMES, US
[73] WEBER-STEPHEN PRODUCTS LLC, US
[86] (3004718)
[87] (3004718)
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[54] **METHODS FOR THE DETERMINATION OF BIOGENIC GAS**
[54] **PROCEDES DE DETERMINATION DE GAZ BIOGENIQUE**
[72] FORMOLO, MICHAEL J., US
[72] BELIEN, ISOLDE, US
[72] REGBERG, AARON B., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2018-05-09
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[54] **HEAVY OIL HYDROTREATING SYSTEM AND HEAVY OIL HYDROTREATING METHOD**
[54] **SYSTEME DE TRAITEMENT D'HYDROGENATION DE PETROLE LOURD ET PROCEDE DE TRAITEMENT D'HYDROGENATION DE PETROLE LOURD**
[72] LIU, TIEBIN, CN
[72] GENG, XINGUO, CN
[72] WENG, YANBO, CN
[72] LI, HONGGUANG, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] FUSHUN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC CORP., CN
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[54] **APPARATUS FOR TOLERANCE RING CONTROL OF SLIP INTERFACE SLIDING FORCES**
[54] **APPAREIL DESTINE A LA COMMANDE PAR BAGUE DE TOLERANCE DE FORCES DE GLISSEMENT D'UNE INTERFACE DE GLISSEMENT**
[72] SLAYNE, ANDREW, GB
[72] NATU, PARAG, DE
[73] SAINT-GOBAIN PERFORMANCE PLASTICS RENCOL LTD, GB
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[54] **RAPID SETTING, LOW AMMONIA ELASTOMERIC ROOF COATINGS**
[54] **ENDUITS DE TOITURE ELASTOMERIQUES A FAIBLE TENEUR EN AMMONIAC ET A DURCISSEMENT RAPIDE**
[72] MALLARDI, JOE, US
[72] RAND, CHARLES J., US
[72] SZEWCZYK, JANAH C., US
[73] ROHM AND HAAS COMPANY, US
[85] 2018-05-23
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[25] EN
[54] **SYSTEM FOR MOVING ELECTRICALLY POWERED APPARATUSES**
[54] **SYSTEME SERVANT A DEPLACER DES APPAREILS A ALIMENTATION ELECTRIQUE**
[72] CECCATO, LUIGI, IT
[72] VLASANOVIC', MIRO, IT
[73] I MOD S.A.S. DI CECCATO LUIGI & C, IT
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[54] **COMPONENT FOR A FLUID FLOW ENGINE AND METHOD**
[54] **COMPOSANT POUR TURBOMACHINE ET PROCEDE ASSOCIE**
[72] FOLBACH, JOHANNES, DE
[72] PHLIPPEN, LOVIS, DE
[72] REUTER, EIKE, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[25] EN
[54] **TRACTION SPLINTS AND METHODS OF USING TRACTION SPLINTS**
[54] **ATTELLES DE TRACTION ET PROCEDES D'UTILISATION D'ATTELLES DE TRACTION**
[72] SLISHMAN, SAMUEL, US
[73] TRI-TECH FORENSICS, INC., US
[85] 2018-05-31
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[25] EN
[54] **STRUCTURES AND COMPOSITIONS INCREASING THE STABILITY OF PEROXIDE ACTIVES**
[54] **STRUCTURES ET COMPOSITIONS AUGMENTANT LA STABILITE D'ACTIFS DE PEROXYDES**
[72] GOODHART, LESLE MARIE, US
[72] BERNHEIM, SUE ELLEN, US
[72] SAGEL, PAUL ALBERT, US
[72] RALSTON, CHRISTOPHER SCOTT, US
[72] WALDEN, GARY LYLE, US
[72] SHAHIDI, HOOMAN, US
[72] SUNBERG, RICHARD JOSEPH, US
[73] THE PROCTER & GAMBLE COMPANY, US
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[25] EN
[54] **NON-ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING NON-ORIENTED ELECTRICAL STEEL SHEET**
[54] **TOLE D'ACIER ELECTROMAGNETIQUE A GRAINS NON ORIENTES ET PROCEDE DE PRODUCTION DE TOLE ELECTROMAGNETIQUE A GRAINS NON ORIENTES**
[72] UESAKA, MASANORI, JP
[72] SENDA, KUNIHIRO, JP
[72] OMURA, TAKESHI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2018-06-14
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[54] **CIRCUIT AND METHOD FOR DETECTING MEDIUM BELOW GYPSUM BOARD**
[54] **CIRCUIT ET PROCEDE DE DETECTION D'UN MILIEU SOUS UNE PLAQUE DE PLATRE**
[72] GUO, MINGFENG, CN
[72] CHEN, ZHIHONG, CN
[72] ZENG, FANJIAN, CN
[72] HUANG, HAILIN, CN
[73] ZHANGZHOU EASTERN INTELLIGENT METER CO., LTD, CN
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[54] **PROPULSION SYSTEM FOR AN AIRCRAFT**
[54] **SYSTEME DE PROPULSION DESTINE A UN AERONEF**
[72] WAGNER, NICHOLAS ADAM, US
[72] BERGSTEN, DANIEL E., US
[72] GUTZ, DAVID ALLEN, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **INVESTIGATION GENERATION IN AN OBSERVATION AND SURVEILLANCE SYSTEM**
[54] **GENERATION D'UNE VERIFICATION DANS UN SYSTEME D'OBSERVATION ET DE SURVEILLANCE**
[72] CAREY, JAMES, US
[73] CAREY, JAMES, US
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[87] (3010108)
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[54] **FRICTION WELDING METHOD**
[54] **METHODE DE SOUDAGE PAR FRICTION**
[72] MAST, JONATHAN D., US
[72] KELLEY, JOHN R., US
[72] TRAPP, TIMOTHY J., US
[72] MCCULLOUGH, MARK K., US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **PROCESSES FOR EFFECTING HYDROCARBON PRODUCTION FROM RESERVOIRS HAVING A LOW PERMEABILITY ZONE BY COOLING AND HEATING**
[54] **PROCEDES DE CONDUITE D'UNE PRODUCTION D'HYDROCARBURES A PARTIR DE RESERVOIRS AYANT UNE ZONE A FAIBLE PERMEABILITE PAR REFROIDISSEMENT ET CHAUFFAGE**
[72] HARDING, THOMAS, CA
[72] STROBL, RUDY, CA
[73] CNOOC PETROLEUM NORTH AMERICA ULC, CA
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[54] **DAMPING BEARING**
[54] **PALIER D'AMORTISSEMENT**
[72] KHAN, KAMRAN, CA
[72] REISINGER, HELMUT, AT
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **ENHANCED DISTILLATE OIL RECOVERY FROM THERMAL PROCESSING AND CATALYTIC CRACKING OF BIOMASS SLURRY**
[54] **RECUPERATION DE DISTILLAT D'HUILE AMELIORE A PARTIR D'UN PROCEDE THERMIQUE ET CRAQUAGE CATALYTIQUE DE BOUE DE BIOMASSE**
[72] FACEY, RODERICK MICHAEL, CA
[72] ALLAN, CLAYTON DONALD, CA
[73] FACEY, RODERICK MICHAEL, CA
[73] ALLAN, CLAYTON DONALD, CA
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[25] EN
[54] **COMPENSATION COEFFICIENT CALCULATION METHOD**
[54] **PROCEDE DE CALCUL DE COEFFICIENT DE COMPENSATION**
[72] TAKAMUKU, TOMOHIRO, JP
[72] YAMAZAKI, ETSUSHI, JP
[72] YOSHIDA, YUKI, JP
[72] OYAMA, KATSUICHI, JP
[72] ONUMA, YASUHARU, JP
[72] YAMAGISHI, AKIHIRO, JP
[73] NTT ELECTRONICS CORPORATION, JP
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[25] EN
[54] **POLY TAPE ACCESSORY FOR ELECTRIC FENCE HANDLE, ELECTRIC FENCE GATE HANDLE WITH POLY TAPE ACCESSORY AND METHOD OF SECURING POLY TAPE TO ELECTRIC FENCE GATE HANDLE USING POLY TAPE ACCESSORY**
[54] **ACCESSOIRE DE RUBAN POLY DESTINE A UNE POIGNEE DE CLOTURE ELECTRIQUE, POIGNEE DE PORTE DE CLOTURE ELECTRIQUE DOTEE D'ACCESSOIRE DE RUBAN POLY ET METHODE DE FIXATION DE RUBAN POLY A UNE POIGNEE DE PORTE DE CLOTURE ELECTRIQUE AU MOYEN DE L'ACCESSOIRE DE RUBAN POLY**
[72] WOOLWORTH, ANDREW BAKER, US
[72] SPANGLER, CHAD EUGENE, US
[72] LUBIC, MARKO K., US
[73] WOODSTREAM CORPORATION, US
[86] (3012672)
[87] (3012672)
[22] 2018-07-27
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[54] **NON-TISSE DOTE D'UN MOTIF MAILLE EMBOSSE**
[72] WEIS, NORBERT, DE
[72] RIEGER, CHRISTOPH, DE
[72] SCHWOEBEL, KLAUS, DE
[72] PHILIPP, DIETER, DE
[73] CARL FREUDENBERG KG, DE
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[54] **MODULAR WELL PAD SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PLATEFORME DE PUITS MODULAIRE**
[72] HARDY, PAUL, CA
[72] OVERY, JOE, CA
[73] BANTREL CO., CA
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[54] **MODULAR WELL PAD SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PLATEFORME DE PUITS MODULAIRE**
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[72] OVERY, JOE, CA
[73] BANTREL CO., CA
[85] 2018-08-10
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[54] **AIR DELIVERY SYSTEM FOR A GAS TURBINE ENGINE**
[54] **SYSTEME DE DISTRIBUTION D'AIR DESTINE A UNE TURBINE A GAZ**
[72] GOULD, KENNETH ARTHUR, IT
[72] SHAMIM, ABDUS, IT
[72] DEKOWSKI, JAROSLAW HENRYK, PL
[72] HANCE, PIOTR SEBASTIAN, PL
[72] TKACZYK, PRZEMYSLAW SLAWOMIR, PL
[72] FABER, MARCIN PAWEL, PL
[72] KRYSZTOPA, ADAM, PL
[72] BAR, PIOTR LECH, PL
[72] CHELSTOWSKI, KRZYSZTOF, PL
[72] PARKS, ROBERT JOHN, US
[72] GONYOU, CRAIG ALAN, US
[73] GENERAL ELECTRIC COMPANY, US
[73] GENERAL ELECTRIC COMPANY POLSKA SP. ZO.O, PL
[86] (3014977)
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[25] EN
[54] **INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD AND RECORDING MEDIUM**
[54] **APPAREIL DE TRAITEMENT D'INFORMATIONS, PROCEDE DE TRAITEMENT D'INFORMATIONS ET PROGRAMME ASSOCIE**
[72] YAMAJI, TAKAYUKI, JP
[72] NAITO, HIROHISA, JP
[73] FUJITSU LIMITED, JP
[85] 2018-08-23
[86] 2016-03-28 (PCT/JP2016/059829)
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[25] EN
[54] **SULTIAME FOR THE TREATMENT OF SLEEP APNEA**
[54] **SULTIAME POUR LE TRAITEMENT DE L'APNEE DU SOMMEIL**
[72] HEDNER, JAN, SE
[72] GROTE, LUDGER, SE
[72] STENLOF, KAJ, SE
[73] HEDNER, JAN, SE
[73] GROTE, LUDGER, SE
[73] STENLOF, KAJ, SE
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[51] **Int.Cl. C10J 3/72 (2006.01) C10J 3/46 (2006.01) C10J 3/48 (2006.01)**
[25] EN
[54] **TWO-STAGE GASIFIER AND GASIFICATION PROCESS WITH FEEDSTOCK FLEXIBILITY**
[54] **GAZEIFIEUR A DEUX ETAGES ET PROCEDE DE GAZEIFICATION PRESENTANT UNE FLEXIBILITE DE LA CHARGE DE DEPART**
[72] WILLIAMS, CHANCELOR L., US
[72] TSANG, ALBERT C., US
[72] AMICK, PHILIP RODNEY, US
[72] SHAH, JAYESH, US
[72] MICHAUD, PAUL EDGAR, US
[72] LOKARE, SHRINIVAS, US
[73] LUMMUS TECHNOLOGY LLC, US
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[25] EN
[54] **ELECTRONIC PRESSURE SENSOR FOR MEASUREMENT OF PRESSURE IN A FLUID MEDIA**
[54] **CAPTEUR DE PRESSION ELECTRONIQUE SERVANT A MESURER LA PRESSION DANS UN MILIEU FLUIDE**
[72] HALIMI, HENRY M., US
[73] FLO TECHNOLOGIES, INC., US
[85] 2018-09-07
[86] 2017-03-09 (PCT/US2017/021525)
[87] (WO2017/156237)
[30] US (62/306,002) 2016-03-09
[30] US (15/453,756) 2017-03-08

[11] **3,017,381**
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[51] **Int.Cl. H01Q 9/28 (2006.01) H04B 7/24 (2006.01) H04W 16/30 (2009.01) G01S 13/10 (2006.01)**
[25] EN
[54] **COMMUNICATIONS ANTENNA AND ASSOCIATED METHODS**
[54] **ANTENNE DE COMMUNICATION ET METHODES ASOCIEES**
[72] PARSCHE, FRANCIS E., US
[72] GALLAGHER, SHAWN H., US
[72] ZIARNO, JAMES J., US
[73] HARRIS CORPORATION, US
[86] (3017381)
[87] (3017381)
[22] 2018-09-13
[30] US (15/709,820) 2017-09-20

[11] **3,018,074**
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[51] **Int.Cl. C25B 11/06 (2006.01) C25B 1/10 (2006.01) C25B 9/00 (2006.01)**
[25] EN
[54] **ANODE FOR ALKALINE WATER ELECTROLYSIS AND METHOD FOR PRODUCING ANODE FOR ALKALINE WATER ELECTROLYSIS**
[54] **ANODE D'ELECTROLYSE D'EAU ALCALINE ET METHODE DE PRODUCTION D'ANODE POURL'ELECTROLYSE D'EAU ALCALINE**
[72] KATO, AKIHIRO, JP
[72] TSUJII, FUMIYA, JP
[72] KAMEI, YUJI, JP
[72] SHIMOMURA, IKUO, JP
[72] NAGASHIMA, IKUO, JP
[73] DE NORA PERMELEC LTD, JP
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2018-09-17
[86] 2017-04-05 (PCT/JP2017/014284)
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[30] JP (2016-079262) 2016-04-12

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[51] **Int.Cl. E21B 49/02 (2006.01) E21B 49/08 (2006.01) G01N 33/24 (2006.01)**
[25] EN
[54] **OBTAINING MICRO-AND MACRO-ROCK PROPERTIES WITH A CALIBRATED ROCK DEFORMATION SIMULATION**
[54] **OBTENTION DE PROPRIETES DE MICRO-ROCHE ET DE MACRO-ROCHE PAR UNE SIMULATION DE DEFORMATION DE ROCHE ETALONNEE**
[72] HOLLAND, MARC, US
[72] HOEINK, TOBIAS, US
[72] VAN DER ZEE, WOUTER, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-09-26
[86] 2017-03-20 (PCT/US2017/023161)
[87] (WO2017/172397)
[30] US (15/082,109) 2016-03-28

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[51] **Int.Cl. F16K 17/06 (2006.01) F16K 27/02 (2006.01)**
[25] EN
[54] **PRESSURE RELIEF VALVE WITH STOP**
[54] **SOUPAPE DE DETENTE EQUIPEE D'UN DISPOSITIF D'ARRET**
[72] KRUPPE, FRANK, US
[72] POWELL, MATT, US
[73] CYRUS SHANK CORPORATION, US
[86] (3019485)
[87] (3019485)
[22] 2018-10-02
[30] US (15/728,131) 2017-10-09

[11] **3,019,674**
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[51] **Int.Cl. C22C 38/18 (2006.01) C21D 8/02 (2006.01)**
[25] EN
[54] **FERRITE-BASED STAINLESS STEEL PLATE, STEEL PIPE, AND PRODUCTION METHOD THEREFOR**
[54] **PLAQUE D'ACIER INOXYDABLE A BASE DE FERRITE, TUBE D'ACIER ET SON PROCEDE DE PRODUCTION**
[72] HAMADA, JUNICHI, JP
[72] NISHIMURA, KOU, JP
[72] ARAKI, JUN, JP
[72] FUKUDA, NOZOMU, JP
[72] TANOUE, TOSHIO, JP
[73] NIPPON STEEL & SUMIKIN STAINLESS STEEL CORPORATION, JP
[86] (3019674)
[87] (3019674)
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[30] JP (2014-236113) 2014-11-21
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[51] **Int.Cl. H01M 2/10 (2006.01) H01M 8/04007 (2016.01) H01M 8/04111 (2016.01)**
[25] EN
[54] **FUEL CELL MODULE**
[54] **MODULE DE PILE A COMBUSTIBLE**
[72] TAKEYAMA, MAKOTO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (3020948)
[87] (3020948)
[22] 2018-10-16
[30] JP (2017-200601) 2017-10-16

[11] **3,021,734**
[13] C
[51] **Int.Cl. E06B 3/263 (2006.01)**
[25] EN
[54] **SASH FOR A SLIDING WINDOW OR A SLIDING DOOR AND METHOD FOR PROVIDING AN UNTREATED METAL SURFACE IN SUCH A SASH**
[54] **CHASSIS DESTINE A UNE FENETRE COULISSANTE OU A UNE PORTE COULISSANTE ET PROCEDE DE FOURNITURE D'UNE SURFACE METALLIQUE NON-TRAITEE DANS UN TEL CHASSIS**
[72] MINELLI, STEFANO, IT
[72] TORRICELLI, ALICE, IT
[73] TECHNOFORM BAUTEC HOLDING GMBH, DE
[85] 2018-10-22
[86] 2017-04-28 (PCT/EP2017/060183)
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[25] EN
[54] **HINGE MOUNTED CABINET**
[54] **ARMOIRE MONTEE SUR CHARNIERE**
[72] TASSIN, TIMOTHY WAYNE, US
[72] TASSIN, CHRISTIAN, US
[73] HINGENUITY INTERNATIONAL, LLC, US
[85] 2018-11-07
[86] 2017-05-22 (PCT/US2017/033765)
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[30] US (15/161,330) 2016-05-23

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[13] C
[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **APPARATUS FOR HEATING SMOKABLE MATERIAL**
[54] **APPAREIL POUR LE CHAUFFAGE D'UN MATERIAU DESTINE A ETRE FUME**
[72] THORSEN, MITCHEL, US
[73] BRITISH AMERICAN TABACCO (INVESTMENTS) LIMITED, GB
[85] 2018-11-08
[86] 2017-05-12 (PCT/EP2017/061519)
[87] (WO2017/194763)
[30] US (62/336,296) 2016-05-13

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[51] **Int.Cl. A24F 40/40 (2020.01)**
[25] EN
[54] **APPARATUS FOR HEATING SMOKABLE MATERIAL**
[54] **APPAREIL PERMETTANT DE CHAUFFER UNE SUBSTANCE A FUMER**
[72] THORSEN, MITCHEL, US
[72] MEHNERT, JOHN CLAY, US
[73] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[85] 2018-11-08
[86] 2017-05-12 (PCT/EP2017/061520)
[87] (WO2017/194764)
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[11] **3,023,978**
[13] C
[51] **Int.Cl. A61B 10/00 (2006.01)**
[25] EN
[54] **BIOPSY NEEDLE DESIGN**
[54] **CONCEPTION D'AIGUILLE DE BIOPSIE**
[72] STONE, NELSON, US
[72] SCHECHTER, DAVID, US
[72] GOETZ, JOSHUA, US
[72] CROWLEY, TIMOTHY, US
[73] 3DBIOPSY, INC., US
[85] 2018-11-09
[86] 2017-05-25 (PCT/US2017/034505)
[87] (WO2017/205640)
[30] US (62/341,292) 2016-05-25

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[13] C
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 50/30 (2016.01)**
[25] EN
[54] **PACKAGE FOR SUTURES AND NEEDLES**
[54] **CONDITIONNEMENT DE SUTURES ET D'AIGUILLES**
[72] DEY, CLIFFORD, DE
[72] LOBER, MARTIN, DE
[73] DS-TECHNOLOGY GMBH, DE
[86] (3025214)
[87] (3025214)
[22] 2018-11-26
[30] EP (17 002 038.2) 2017-12-19

[11] **3,025,774**
[13] C
[51] **Int.Cl. C09K 8/04 (2006.01) C09K 8/12 (2006.01)**
[25] EN
[54] **BUFFERED FRICTION REDUCER FOR SUBTERRANEAN OPERATIONS**
[54] **FROTTEMENT AMORTI REDUIT POUR DES OPERATIONS SOUTERRAINES**
[72] XU, LIANG, US
[72] LORD, PAUL, US
[72] GALE, SCOTT, US
[73] MULTI-CHEM GROUP, LLC, US
[85] 2018-11-27
[86] 2016-07-15 (PCT/US2016/042520)
[87] (WO2018/013134)

[11] **3,026,741**
[13] C
[51] **Int.Cl. B28C 5/38 (2006.01) A61L 24/00 (2006.01)**
[25] EN
[54] **BONE CEMENT APPLICATOR WITH A CLOSABLE GAS SUPPLY OPENING**
[54] **APPLICATEUR DE CIMENT ORTHOPEDIQUE COMPORTANT UNE OUVERTURE D'ALIMENTATION DE GAZ FERMABLE**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[73] HERAEUS MEDICAL GMBH, DE
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[87] (3026741)
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[30] DE (10 2018 101 041.9) 2018-01-18

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[51] **Int.Cl. B28C 5/38 (2006.01)**
[25] EN
[54] **BONE CEMENT MIXING DEVICE WITH SPACER IN AN AMPOULE RECEPTACLE**
[54] **DISPOSITIF DE MELANGE DE CIMENT ORTHOPEDIQUE DOTE D'UN ESPACEUR DANS UN RECEPTACLE D'AMPOULE**
[72] KLUGE, THOMAS, DE
[72] STRATHAUSEN, RAINER, DE
[72] VOGT, SEBASTIAN, DE
[73] HERAEUS MEDICAL GMBH, DE
[86] (3026832)
[87] (3026832)
[22] 2018-12-07
[30] DE (10 2017 130 084.8) 2017-12-15

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[13] C
[51] **Int.Cl. A62C 37/08 (2006.01)**
[25] EN
[54] **FIRE EXTINGUISHING SYSTEM AND DIAGNOSTIC METHODS**
[54] **SYSTEME D'EXTINCTION D'INCENDIE ET METHODES DE DIAGNOSTIC**
[72] ROUSE, J. PAUL, US
[72] BOLACK, RICHARD, US
[72] SCHAEFER, CHARLES P., US
[73] GUARDIAN SAFETY SOLUTIONS INTERNATIONAL INC., US
[86] (3028712)
[87] (3028712)
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[54] **SYNTHETIC FIBER CABLE**
[54] **CABLE EN FIBRE SYNTHETIQUE**
[72] HACHISUKA, SHUNJI, JP
[72] KOSE, NORIAKI, JP
[73] TOKYO ROPE MANUFACTURING CO., LTD., JP
[85] 2018-12-31
[86] 2016-06-29 (PCT/JP2016/069283)
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[51] **Int.Cl. G01N 21/17 (2006.01) G01N 21/63 (2006.01) G01N 21/64 (2006.01)**
[25] EN
[54] **INSTRUMENT FOR ACQUIRING CO-REGISTERED ORTHOGONAL FLUORESCENCE AND PHOTOACOUSTIC VOLUMETRIC PROJECTIONS OF TISSUE AND METHODS OF ITS USE**
[54] **INSTRUMENT POUR ACQUERIR UNE FLUORESCENCE ORTHOGONALE ET DES PROJECTIONS VOLUMETRIQUES PHOTO-ACOUSTIQUES CO-ENREGISTREES DE TISSUS ET SES PROCEDES D'UTILISATION**
[72] ERMILOV, SERGEY, US
[72] BRECHT, HANS-PETER, US
[72] IVANOV, VASSILI, US
[73] PHOTOSOUND TECHNOLOGIES, INC., US
[85] 2019-01-24
[86] 2017-07-25 (PCT/US2017/043760)
[87] (WO2018/022639)
[30] US (15/218,159) 2016-07-25

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[51] **Int.Cl. E21B 47/12 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **DOWNHOLE WIRELESS COMMUNICATION NODE AND SENSOR/TOOLS INTERFACE**
[54] **NOEUD DE COMMUNICATION SANS FIL ET INTERFACE CAPTEUR/OUTILS**
[72] ZHANG, YIBING, US
[72] SONG, LIMIN, US
[72] WALKER, KATIE M., US
[72] DISKO, MARK M., US
[72] CLAWSON, SCOTT WILLIAM, US
[72] MOORE, PATRICK M., US
[72] CHORNEYKO, DAVID M., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[86] (3033222)
[87] (3033222)
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[11] **3,033,462**
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[51] **Int.Cl. H01L 21/336 (2006.01) H01L 29/78 (2006.01)**
[25] EN
[54] **SEMICONDUCTOR DEVICE**
[54] **DISPOSITIF A SEMI-CONDUCTEURS**
[72] TANAKA, RYOTA, JP
[72] HAYASHI, TETSUYA, JP
[72] NI, WEI, JP
[72] HAYAMI, YASUAKI, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2019-02-08
[86] 2016-08-10 (PCT/JP2016/073525)
[87] (WO2018/029796)

[11] **3,034,530**
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[51] **Int.Cl. C08F 220/18 (2006.01) C08C 19/38 (2006.01) C08C 19/44 (2006.01) C08F 136/22 (2006.01) C08G 81/02 (2006.01)**
[25] EN
[54] **FARNESENE-BASED MACROMONOMERS AND METHODS OF MAKING AND USING THE SAME**
[54] **MACROMONOMERES A BASE DE FARNESENE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] HENNING, STEVEN K., US
[72] YOO, TAEJUN, US
[72] CHAO, HERBERT S., US
[73] FINA TECHNOLOGY, INC., US
[85] 2019-02-20
[86] 2017-08-30 (PCT/US2017/049253)
[87] (WO2018/052709)
[30] US (15/266,330) 2016-09-15

[11] **3,042,129**
[13] C
[51] **Int.Cl. A61M 3/02 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **A CATHETER, A COUPLING COMPONENT FOR COUPLING THE CATHETER TO TUBES, AN APPARATUS INCLUDING THE RECTAL CATHETER, AND A METHOD OF MANUFACTURING THE CATHETER**
[54] **CATHETER, COMPOSANT D'ACCOUPLEMENT POUR ACCOUPLER LE CATHETER A DES TUBES, APPAREIL COMPRENANT LE CATHETER RECTAL, ET PROCEDE DE FABRICATION DU CATHETER**
[72] BJERREGAARD, HENRIK BORK, DK
[72] HOUGAARD, OLE, DK
[72] DUE, CATHRINE ORSNES, DK
[73] MBH-INTERNATIONAL A/S, DK
[85] 2019-04-29
[86] 2017-10-12 (PCT/DK2017/050338)
[87] (WO2018/077361)
[30] DK (PA 2016 70846) 2016-10-28

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[13] C
[51] **Int.Cl. G01R 22/10 (2006.01)**
[25] EN
[54] **MEASURING TRANSDUCER**
[54] **TRANSFORMATEUR DE MESURE**
[72] WAFFNER, JURGEN, DE
[72] VOIT, STEPHAN, DE
[73] INNOGY SE, DE
[85] 2019-05-06
[86] 2017-06-19 (PCT/EP2017/064920)
[87] (WO2018/086770)
[30] DE (10 2016 121 334.9) 2016-11-08

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[13] C
[51] **Int.Cl. A01G 25/09 (2006.01) B05B 3/18 (2006.01) B05B 12/00 (2018.01)**
[25] EN
[54] **BOAT-SHAPED SPRINKLER IRRIGATION MACHINE FOR LARGE-SCALE FARM IRRIGATION CANALS**
[54] **MACHINE D'IRRIGATION A GICLEUR EN FORME DE BATEAU DESTINEE AUX CANAUX D'IRRIGATION DE FERME A GRANDE ECHELLE**
[72] QUI, ZHIPENG, CN
[72] PENG, TAO, CN
[72] LIU, PEIYONG, CN
[72] LIU, YUANGUANG, CN
[72] SHI, JIELIN, CN
[72] LIU, QI, CN
[72] ZHU, ZHENCAI, CN
[72] JIANG, FAN, CN
[73] JIANGSU HUAYUAN WATER-SAVING CO.,LTD, CN
[73] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2019-06-11
[86] 2018-06-25 (PCT/CN2018/092578)
[87] (WO2019/200703)
[30] CN (201810358549.6) 2018-04-20

[11] **3,047,245**
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[51] **Int.Cl. E21B 33/068 (2006.01) E21B 33/03 (2006.01) E21B 34/02 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **ZIPPER BRIDGE**
[54] **PONT DE GLISSIERE**
[72] SIZEMORE, RICHARD BRIAN, US
[72] MCGUIRE, BOB, US
[72] ARTHERHOLT, DANNY L., US
[72] CLAXTON, MICKEY, US
[72] MULLINS, BLAKE, US
[72] BEEDY, CHARLES, US
[73] OIL STATES ENERGY SERVICES, L.L.C., US
[86] (3047245)
[87] (3047245)
[22] 2019-06-17

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[51] **Int.Cl. B23K 1/005 (2006.01) B23K 26/70 (2014.01) B23K 3/06 (2006.01) B23K 26/08 (2014.01) B23K 26/14 (2014.01) B23K 37/00 (2006.01)**
[25] EN
[54] **WATER COOLED WIRE FEED TIP COLLAR FOR LASER BRAZING SYSTEM**
[54] **BAGUE DE POINTE D'ALIMENTATION EN FIL A REFROIDISSEMENT PAR EAU POUR LE SYSTEME DE BRASAGE LASER**
[72] WILLIAMSON, DAVID R., US
[72] ROTA, PATRICK, US
[73] FCA US LLC, US
[85] 2019-07-02
[86] 2018-01-11 (PCT/US2018/013315)
[87] (WO2018/132566)
[30] US (15/406,136) 2017-01-13

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[13] C
[51] **Int.Cl. A61H 23/02 (2006.01) A61H 23/00 (2006.01)**
[25] EN
[54] **BATTERY-POWERED PERCUSSIVE MASSAGE DEVICE WITH PRESSURE SENSOR**
[54] **DISPOSITIF DE MASSAGE PAR PERCUSSION ALIMENTE PAR UNE PILE DOTE D'UN CAPTEUR DE PRESSION**
[72] MARTON, ROBERT, US
[72] KATZ, ANTHONY, US
[73] HYPER ICE, INC., US
[86] (3049387)
[87] (3049387)
[22] 2019-07-10
[30] US (62/759,968) 2018-11-12
[30] US (62/760,617) 2018-11-13
[30] US (62/767,260) 2018-11-14
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[13] C
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **BLOCKCHAIN SYSTEM AND DATA STORAGE METHOD AND APPARATUS**
[54] **SYSTEME DE CHAINE DE BLOCS ET PROCEDE ET APPAREIL DE MEMORISATION DE DONNEES**
[72] LI, NING, CN
[73] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-07-19
[86] 2018-02-12 (PCT/CN2018/076505)
[87] (WO2018/149385)
[30] CN (201710086153.6) 2017-02-17

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[51] **Int.Cl. B60S 9/18 (2006.01) B62D 33/023 (2006.01) B66F 13/00 (2006.01)**
[25] EN
[54] **TRAILER JACK TAILGATE PROTECTOR**
[54] **PROTECTEUR DE VERIN A REMORQUE**
[72] HARDING, LAWRENCE V., US
[72] PETERS, MATT A., US
[73] PRACTICAL INNOVATIONS PEOPLE CO., US
[86] (3051768)
[87] (3051768)
[22] 2019-08-12
[30] US (16/113,426) 2018-08-27
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[13] C
[51] **Int.Cl. F16L 33/00 (2006.01) F16L 53/38 (2018.01) A61M 16/08 (2006.01) B29C 53/60 (2006.01) B29C 53/80 (2006.01) F16L 31/00 (2006.01) F16L 35/00 (2006.01)**
[25] EN
[54] **HEATED RESPIRATORY HOSE ASSEMBLY**
[54] **ENSEMBLE DE FLEXIBLES RESPIRATOIRES CHAUFFES**
[72] FORRESTER, MARTIN E., CA
[73] GLOBALMED, INC., CA
[86] (3053834)
[87] (3053834)
[22] 2018-01-29
[62] 3,033,944
[30] US (62/499,623) 2017-01-30
[30] US (15/882,313) 2018-01-29
[30] US (15/882,286) 2018-01-29
[30] US (15/882,257) 2018-01-29

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[13] C
[51] **Int.Cl. F16B 1/00 (2006.01) F16B 7/00 (2006.01) F16B 12/00 (2006.01) F16S 3/04 (2006.01)**
[25] EN
[54] **MODULAR UTILITY SYSTEM**
[54] **SYSTEME D'ACCESSOIRES MODULAIRE**
[72] LEBLANC, ALEXANDER, CA
[73] ARCHI ENTERPRISES INC., CA
[86] (3054892)
[87] (3054892)
[22] 2017-03-24
[62] 3,018,581
[30] US (62/312,617) 2016-03-24

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[13] C
[51] **Int.Cl. F24C 7/00 (2006.01)**
[25] EN
[54] **STEAM BASED FAUX FIREPLACE**
[54] **FAUX FOYER A BASE DE VAPEUR**
[72] SWANSON, JASON, US
[72] DANIEL, DAVID, US
[72] DOSS, JEFF, US
[72] WEDGE, JOSH, US
[73] MODERN FLAMES, LLC, US
[85] 2019-08-30
[86] 2017-11-06 (PCT/US2017/060156)
[87] (WO2018/128700)
[30] US (62/444,073) 2017-01-09
[30] US (15/497,694) 2017-04-26

[11] **3,057,187**
[13] C
[51] **Int.Cl. F03B 13/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR GENERATING POWER USING ENERGY-STORAGE WATER PIPES OF MULTIPLE HIGH-RISE BUILDINGS**
[54] **SYSTEME D'UTILISATION DE TUYAUX D'EAU DE STOCKAGE D'ENERGIE DE PLUSIEURS BATIMENTS DE GRANDE HAUTEUR POUR PRODUIRE DE L'ELECTRICITE**
[72] GE, XINFENG, CN
[72] XU, XU, CN
[72] CHEN, HUINAN, CN
[72] ZANG, WEI, CN
[72] YAO, TINGTING, CN
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[54] **DISPOSITIF DE RETENUE DE PASSAGER POUR MANEGE**
[72] MASTERSON, TOM, US
[72] BLUM, STEVEN C., US
[72] OLIVER, CHRISTOPHER, US
[72] VANCE, ERIC A., US
[72] FREEDMAN, DANIEL, US
[72] VAN WINKLE, TED W., US
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[54] **SYSTEMES ET PROCEDES DE GESTION D'ARTICLES EN VRAC POUR MANEGES DE PARCS D'ATTRACTIONS**
[72] ZIELKOWSKI, AMANDA K., US
[72] PHILLIPS, MICHELLE, US
[72] UGRIN, JOHN, US
[72] CATANIA, ALEXANDRIA, US
[72] BLUM, STEVEN C., US
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[73] NEW YORK AIR BRAKE LLC, US
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[54] **TRAITEMENT DE SIGNAUX AUDIO PENDANT LA RECONSTRUCTION A HAUTE FREQUENCE**
[72] KJOERLING, KRISTOFER, SE
[73] DOLBY INTERNATIONAL AB, NL
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[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'UNE SURFACE SUBMERGEE D'UNE STRUCTURE CIBLE**
[72] KRAUSE, HANS JUERG, CA
[72] JOST, PIERRE-OLIVIER, FR
[73] KRAUSE, HANS JUERG, CA
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[54] **SOCLE DE COMPTEUR A ENSEMBLE DE DETECTION DE FRAUDE**
[72] SIGLOCK, JOHN V., US
[73] MILBANK MANUFACTURING CO., US
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[71] VIOLARIS, JOSEPH S., CA
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[54] **ELECTROLYSEUR POUR LA REDUCTION DE L'HYDROGENE IONIQUE EN PRENANT L'ENERGIE ELECTRIQUE A L'AIDE DES PANNEAUX SOLAIRES**
[72] ROJAS, MIGUEL, CA
[72] SAVADOGO, OUMAROU, CA
[72] BELLEI, GASTON, CA
[71] ROJAS, MIGUEL, CA
[71] SAVADOGO, OUMAROU, CA
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[72] UNKNOWN, XX
[71] FRANCIS, MICHELLE, CA
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[72] SINCLAIR, CAMERON J., CA
[72] SINCLAIR, MARGARET A., CA
[71] SINCLAIR, CAMERON J., CA
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[54] **LINGE A VAISSELLE POLYVALENT**
[72] MHANNA, SOUZI, CA
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[54] **AREL MULTIPLIER MOTOR GENERATOR 5**
[54] **MULTIPLICATEUR AREL MOTEUR GENERATEUR 5**
[72] AREL, RICHARD, CA
[71] AREL, RICHARD, CA
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[54] **SYSTEME DE TRANSPORT DE MATIERES DANGEREUSES**
[72] KNUDSLIEN, DONALD E., CA
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[54] **MODERNISATION DU CENDRIER EN PORTE-PLUME POUR AERONEF**
[72] WHITE, ALLAN R., CA
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[72] NELSON, ANDREW, US
[71] NELSON, ANDREW, US
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[54] **BOARD GAME APPARATUS AND METHOD OF USE FOR "IN THE LAND OF"**
[54] **APPAREIL DE JEU DE SOCIETE ET METHODE D`UTILISATION « IN THE LAND OF »**
[72] NUNNO, MATTHIAS I., CA
[71] NUNNO, MATTHIAS I., CA
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[54] **MEMBRANES DE SEPARATION DES EMULSIONS PRODUITES A PARTIR DES PROCEDES DE RECUPERATION DES HYDROCARBURES**
[72] BAJPAYEE, AAYUSHI, US
[72] BANERJEE, SARBAJIT, US
[71] CENOVUS ENERGY INC., CA
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[54] **METHODS FOR INCREASING NITRIFYING BACTERIA BIOMASS IN A WASTE TREATMENT REACTOR SYSTEM**
[54] **PROCEDE POUR AUGMENTER LA BIOMASSE DE BACTERIES NITRIFIANTES DANS UN SYSTEME DE REACTEUR DE TRAITEMENT DE DECHETS**
[72] HILDEBRAND, MARTIN, CA
[72] KROEKER, MERLE, CA
[72] DEVLIN, TANNER, CA
[71] NEXOM, CA
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[54] **INJECTOR**
[54] **INJECTEUR**
[72] HAMEL, SIMON, CA
[72] LAFONTAINE LACASSE, MARIE, CA
[71] DUOJECT MEDICAL SYSTEM INC., CA
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[54] **METHODS AND SYSTEMS FOR CONTROLLING ACCESS TO A PROTECTED RESOURCE**
[54] **METHODES ET SYSTEMES PERMETTANT DE CONTROLER L`ACCES A UNE RESSOURCE PROTEGEE**
[72] DUNJIC, MILOS, CA
[72] NGUYEN, ANTHONY HAITUYEN, CA
[72] LIU, YUBING, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] DOYLE, CASEY LYN, CA
[72] THAKE, RICHARD JOHN FREDERICK, CA
[72] WANG, MENGFEI, CA
[72] HUDALI, AARON ASHISH, CA
[72] KLIEWER, GREGORY ALBERT, CA
[72] LOZON, MARTIN ALBERT, CA
[72] DIAZ, YUSBEL GARCIA, CA
[72] DALY, GARETH, CA
[72] KOBAYASHI, MASASHI, CA
[72] BAST, RANDALL JOHN, CA
[71] THE TORONTO-DOMINION BANK, CA
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[72] WILLIAMS, TERRY J., CA
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[54] **MOVEMENT NOTIFICATION SYSTEM**
[54] **SYSTEME DE NOTIFICATION DE MOUVEMENT**
[72] ILLIG, DONOVAN, CA
[71] ILLIG, DONOVAN, CA
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[72] ST-JEAN, GABRIEL, CA
[72] BERTHIAUME, DOMINIQUE, CA
[72] GOSSELIN, DOMINIC, CA
[72] LAGACE, SABRINA, CA
[71] PLANIFORM CONVEYORS INC., CA
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[54] **MANAGING CRYPTOGRAPHICALLY SECURE EXCHANGES OF DATA USING PERMISSIONED DISTRIBUTED LEDGERS**
[54] **GESTION D`ECHANGES DE DONNEES SECURISES DE MANIERE CRYPTOGRAPHIQUE AU MOYEN DE LIVRES DISTRIBUES AVEC AUTORISATION**
[72] DUNJIC, MILOS, CA
[72] CHOW, ARTHUR CARROLL, CA
[72] TAX, DAVID SAMUEL, CA
[72] ROUHANI, ARMON, CA
[72] JOHEB, ASAD, CA
[72] HATHERLY, SARA, CA
[72] AJMANI. KEITH SANJAY, CA
[72] JOHNSON, LIONEL, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **APPAREIL D`EXTRACTION DE DENTS AVEC LAMES DE NIVELEUSES**
[72] GORDON, G. DENNIS, CA
[71] GORDON, G. DENNIS, CA
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[54] **PERSONALIZED VIRTUAL PAPER DOLL FOR ONLINE APPAREL**
[54] **POUPEE EN PAPIER VIRTUELLE PERSONNALISEE POUR ACHETER DES VETEMENTS EN LIGNE**
[72] MADSEN-SCHMID, KETTY E., CA
[71] MADSEN-SCHMID, KETTY E., CA
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[54] **ENFORCING RESTRICTIONS ON CRYPTOGRAPHICALLY SECURE EXCHANGES OF DATA USING PERMISSIONED DISTRIBUTED LEDGERS**
[54] **APPLICATION DE RESTRICTIONS SUR LA GESTION D`ECHANGES DE DONNEES SECURISES DE MANIERE CRYPTOGRAPHIQUE AU MOYEN DE LIVRES DISTRIBUES AVEC AUTORISATION**
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[72] CHOW, ARTHUR CARROLL, CA
[72] TAX, DAVID SAMUEL, CA
[72] ROUHANI, ARMON, CA
[72] JOHEB, ASAD, CA
[72] HATHERLY, SARA, CA
[72] AJMANI. KEITH SANJAY, CA
[72] JOHNSON, LIONEL, CA
[72] LIU, YUBING, CA
[71] THE TORONTO-DOMINION BANK, CA
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[54] **MOYEU DE POIGNEE DE ROBINET**
[72] MANGA, JOSEPH, US
[71] BRASSTECH, INC., US
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[54] **SYSTEM AND METHOD FOR SUBGRADE STABILIZATION OF RAILROAD BED**
[54] **SYSTEME ET PROCEDE POUR LA STABILISATION DE SOUS-NIVEAU DES LITS DE VOIE FERREE**
[72] SZYNAKIEWICZ, TOM, US
[72] ANDERSON, JUSTIN, US
[72] HOLLINGER, BOB, US
[71] R & B LEASING, LLC, US
[22] 2019-04-10
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[54] **MUTUAL NEIGHBORS**
[54] **VOISINS MUTUELS**
[72] BOUDREAU, COLE, CA
[72] MEZUMAN, LEANNE, CA
[71] CASEWARE INTERNATIONAL INC., CA
[22] 2019-04-17
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[54] **TRAILER SNOW REMOVAL SYSTEM**
[54] **SYSTEME DE DENEIGEMENT AVEC REMORQUE**
[72] SZAJER, JOANNA, CA
[71] SZAJER, JOANNA, CA
[22] 2019-05-17
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[54] **ELECTRICAL BOX CABLE MANAGEMENT AND SUPPORT BRACKET ASSEMBLY, SYSTEM AND METHOD**
[54] **ENSEMBLE, SYSTEME ET PROCEDE DE FERRURE DE SUPPORT ET GESTION DE CABLE DU BOITIER ELECTRIQUE**
[72] SEMPLE, SHANE, US
[72] CONROY, RONALD, US
[72] STASONIS, GARY STEPHEN, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-09-06
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[30] US (62/807130) 2019-02-18
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[54] **CULTIVAR DE SOYA**
[72] DELHEIMER, JACOB CHARLES, US
[71] SYNGENTA CROP PROTECTION AG, CH
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[54] **SYSTEMS AND METHODS FOR LAUNCHING A PLURALITY OF SPACECRAFT**
[54] **SYSTEMES ET PROCEDES POUR LANCER UNE PLURALITE DE VAISSEAUX SPATIAUX**
[72] MANSOUR, SADEK W., US
[72] LEMKE, GARY E., US
[72] FLATHOM, JASON D., US
[72] NOEL, JEFFREY S., US
[71] THE BOEING COMPANY, US
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[51] **Int.Cl. A01G 3/00 (2006.01)**
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[54] **PLANT PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT DE PLANTE**
[72] OLSON, ROY, US
[72] TRACY, JOSHUA, US
[72] PEARSON, ALEX, US
[71] PEARSON INC., US
[22] 2019-10-28
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[51] **Int.Cl. B65B 5/06 (2006.01) B65D 77/04 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR PROCESSING CARTRIDGES EN MASSE**
[54] **SYSTEME, PROCEDE ET APPAREIL POUR TRAITER LES CARTOUCHES EN MASSE**
[72] DODSON, TRAVIS, US
[72] EVANS, MICAH, US
[72] PEIRCE, STEPHAN, US
[71] GRAVITRON, LLC, US
[22] 2019-11-01
[41] 2020-08-20
[30] US (62/807,942) 2019-02-20
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[25] EN
[54] **MULTI-POSITION ADJUSTABLE HEADREST ASSEMBLY**
[54] **ENSEMBLE D`APPUIE-TETE AJUSTABLE A POSITIONS MULTIPLES**
[72] WANNER, JACKSON R., US
[72] GRENINGER, MATTHEW T., US
[71] B/E AEROSPACE, INC., US
[22] 2019-11-28
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[51] **Int.Cl. A47C 7/54 (2006.01) B64D 11/00 (2006.01) F16B 12/00 (2006.01)**
[25] EN
[54] **EASY HOOK ARMREST ASSEMBLY FOR AIRCRAFT SEAT**
[54] **ENSEMBLE D`ACCOUDOIR AVEC BRANCHEMENT FACILE POUR SIEGE D`AERONEF**
[72] SHINDE, RAJESH A., US
[72] JACOBSON, ROB, US
[72] DOUGHTY, KYLE DAVID, US
[71] GOODRICH CORPORATION, US
[22] 2019-11-28
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[30] US (16/278,521) 2019-02-18

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[51] **Int.Cl. B64D 11/00 (2006.01)**
[25] EN
[54] **ARRANGEMENTS FOR AIRCRAFT PASSENGER CABINS WITH PRIVACY DIVIDER CONFIGURATIONS**
[54] **DISPOSITIONS POUR LES CABINES DE PASSAGERS D`AERONEF AVEC CONFIGURATIONS DE DIVISEUR POUR INTIMITE**
[72] DOWTY, MARK B., US
[72] AULET, ERIC J., US
[72] FROST, IAN L., US
[72] GOVEA BRAVO, SHIRLEY E., US
[72] KUYPER, JOHN R., US
[72] LAWRENCE, ROBERT J., US
[71] B/E AEROSPACE, INC., US
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[51] **Int.Cl. B01F 3/02 (2006.01) A61M 16/12 (2006.01) B01F 15/04 (2006.01)**
[25] EN
[54] **GAS MIXER FOR PROVING A GAS MIXTURE USEABLE IN HOSPITALS**
[54] **MELANGEUR DE GAZ POUR FOURNIR UN MELANGE DE GAZ UTILISABLE DANS LES HOPITAUX**
[72] BOULANGER, THIERRY, US
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
[22] 2019-12-17
[41] 2020-08-20
[30] EP (19 158 351.7) 2019-02-20

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[51] **Int.Cl. A61M 16/20 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **AUTOMATIC GAS DELIVERY DEVICE**
[54] **DISPOSITIF DE LIVRAISON DE GAZ AUTOMATIQUE**
[72] BOULANGER, THIERRY, US
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[51] **Int.Cl. A61M 16/20 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **AUTOMATIC GAS DELIVERY DEVICE**
[54] **DISPOSITIF DE LIVRAISON DE GAZ AUTOMATIQUE**
[72] BOULANGER, THIERRY, US
[71] L'AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR
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[25] EN
[54] **ACCESS ASSEMBLY INCLUDING FLEXIBLE CANNULA**
[54] **ENSEMBLE D`ACCES Y COMPRIS UNE CANULE FLEXIBLE**
[72] ROBINSON, WILLIAM E., US
[72] ALLEN, JAMES D., US
[72] HAMMERLAND, JOHN A., US
[71] COVIDIEN LP, US
[22] 2019-12-20
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[30] US (16/282,375) 2019-02-22

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[51] **Int.Cl. F16J 15/06 (2006.01) H01R 4/64 (2006.01)**
[25] EN
[54] **GASKET**
[54] **JOINT D`ETANCHEITE**
[72] KUDRNA, RICHARD ROBERT, CA
[72] RENAUD, BENJAMIN JAMES, CA
[72] HUPPE, PIERRE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-01-07
[41] 2020-08-19
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[51] **Int.Cl. F16L 25/02 (2006.01)**
[25] EN
[54] **DIELECTRIC FITTING**
[54] **RACCORD DIELECTRIQUE**
[72] HICKMAN, DAVID F., US
[71] LEGEND VALVE & FITTING, INC., US
[22] 2020-01-17
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[51] **Int.Cl. A61F 2/46 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **BONE CEMENT APPLICATOR WITH CLAMPABLE DELIVERY PLUNGER**
[54] **APPLICATEUR DE CIMENT OSSEUX DOTE D`UN PISTON DE DISTRIBUTION POUVANT ETRE SERTI**
[72] VOGT, SEBASTIAN, DE
[72] KLUGE, THOMAS, DE
[71] HERAEUS MEDICAL GMBH, DE
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[25] EN
[54] **PROCESS FLUID LUBRICATED PUMP AND SEAWATER INJECTION SYSTEM**
[54] **PROCEDE POUR POMPE LUBRIFIEE DE FLUIDE ET SYSTEME D`INJECTION D`EAU DE MER**
[72] BOURNE, MATTHEW, US
[72] FELIX, THOMAS, GB
[72] DE RAEVE, KAREL, CH
[72] GASSMANN, SIMON, CH
[71] SULZER MANAGEMENT AG, CH
[22] 2020-01-20
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[25] EN
[54] **LOOK-AHEAD FUNCTIONALITY TUNING FOR INDEPENDENT SECTIONS**
[54] **MISE AU POINT D`UNE FONCTIONNALITE ANTICIPEE POUR SECTIONS INDEPENDANTES**
[72] THOMPSON, DENNIS GEORGE, CA
[72] FORREST, JAY, CA
[72] MCKNIGHT, BENJAMIN, CA
[72] TURNER, JACK DONALD, CA
[72] STUART, GRAHAM DOUGLAS, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[25] EN
[54] **METHOD FOR WAGON-TO-WAGON COMMUNICATION, METHOD FOR CONTROLLING INTEGRITY OF A TRAIN AND TRAIN WAGON**
[54] **PROCEDE POUR COMMUNICATION D`UN WAGON A L`AUTRE, PROCEDE POUR CONTROLER L`INTEGRITE D`UN TRAIN ET D`UN WAGON**
[72] GEBERT, THOMAS, DE
[71] THALES DEUTSCHLAND GMBH, DE
[22] 2020-01-21
[41] 2020-08-22
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[25] EN
[54] **FINGER GUARD FOR GOALIE HOCKEY STICK**
[54] **PROTEGE-DOIGTS POUR BATON DE HOCKEY DE GARDIEN DE BUT**
[72] ST. VINCENT, GUY, CA
[72] UNKNOWN, XX
[71] ST. VINCENT, GUY, CA
[22] 2020-01-22
[41] 2020-08-21
[30] US (62808499) 2019-02-21

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[51] **Int.Cl. B64D 31/00 (2006.01) H02J 7/00 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING POWER TO AN ENGINE CONTROLLER**
[54] **SYSTEME ET PROCEDE POUR GERER L`ENERGIE VERS UN CONTROLEUR DE MOTEUR**
[72] MCCARTHY, SEAN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-01-22
[41] 2020-08-21
[30] US (16/281,706) 2019-02-21

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[51] **Int.Cl. C02F 1/32 (2006.01) B65D 41/02 (2006.01) C02F 1/30 (2006.01)**
[25] EN
[54] **WATER PURIFICATION CAP**
[54] **BOUCHON DE PURIFICATION D`EAU**
[72] GUDURU, RAKESH, US
[71] MICROLYSCS, LLC, US
[22] 2020-01-23
[41] 2020-08-21
[30] US (62/828,199) 2019-04-02
[30] US (29/705,353) 2019-09-11
[30] US (29/680,920) 2019-02-21
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[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 10/10 (2012.01) G06F 21/60 (2013.01) G16H 10/20 (2018.01) G16H 10/60 (2018.01)**
[25] EN
[54] **MANAGEMENT AND TRACKING SOLUTION FOR SPECIFIC PATIENT CONSENT ATTRIBUTES AND PERMISSIONS**
[54] **SOLUTION DE GESTION ET DE SUIVI DES ATTRIBUTS ET PERMISSIONS DE CONSENTEMENT DE PATIENTS PRECIS**
[72] HASSETT, PETER, US
[71] IQVIA, INC., US
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[54] **DENTAL PROTHESIS**
[54] **PROTHESES DENTAIRES**
[72] KIM, JEOUNGHUN, CA
[71] KIM, JEOUNGHUN, CA
[22] 2020-01-27
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[51] **Int.Cl. H04W 28/24 (2009.01) H04W 24/00 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A VIRTUAL NETWORK ASSISTANT**
[54] **SYSTEMES ET PROCEDES POUR UN ASSISTANT DE RESEAU VIRTUEL**
[72] SAFAVI, S. EBRAHIM, US
[71] MIST SYSTEMS, INC., US
[22] 2020-01-27
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[51] **Int.Cl. A61B 17/32 (2006.01) A61B 1/32 (2006.01) A61B 17/3205 (2006.01) A61B 17/94 (2006.01)**
[25] EN
[54] **TISSUE RESECTING INSTRUMENT INCLUDING AN OUTFLOW CONTROL SEAL**
[54] **INSTRUMENT DE RESECTION DE TISSU Y COMPRIS UN JOINT D`ETANCHEITE DE CONTROLE DU FLUX**
[72] WOOD, TIMOTHY, US
[71] COVIDIEN LP, US
[22] 2020-01-28
[41] 2020-08-22
[30] US (16/282,417) 2019-02-22

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[51] **Int.Cl. H01S 3/07 (2006.01) H01S 3/03 (2006.01) H01S 3/034 (2006.01) H01S 3/038 (2006.01) H01S 3/086 (2006.01)**
[25] EN
[54] **RADIO FREQUENCY SLAB LASER**
[54] **LASER A PLAQUE DE RADIOFREQUENCE**
[72] KERN, GERALD L., US
[72] JACKSON, PAUL E., US
[71] KERN TECHNOLOGIES, LLC, US
[22] 2020-01-28
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[30] EP (19158714.6) 2019-02-22

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[25] EN
[54] **SYSTEM AND METHOD FOR VISUAL CONFIRMATION OF PLANTER PERFORMANCE**
[54] **SYSTEME ET PROCEDE POUR CONFIRMER VISUELLEMENT LE RENDEMENT DE SEMOIR**
[72] MENTZER, MATTHEW, US
[71] DEERE & COMPANY, US
[22] 2020-01-28
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[51] **Int.Cl. B65G 1/04 (2006.01) B65G 1/02 (2006.01)**
[25] EN
[54] **WAREHOUSE, IN PARTICULAR SHUTTLE WAREHOUSE**
[54] **ENTREPOT, EN PARTICULIER UN ENTREPOT DE DESSERTE**
[72] FREDERIKS, JAN WILLEM, NL
[71] NEDCON B.V., NL
[22] 2020-01-29
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[25] EN
[54] **TRANSPORT TRAILER WITH DEPLOYABLE CORRAL**
[54] **REMORQUE DE TRANSPORT AVEC CORRAL DEPLOYABLE**
[72] NIEMELA, MARCUS, US
[72] NIEMELA, CAL G., US
[72] HALLSTROM, CHARLES, US
[71] NB4 BRAND L.L.C., US
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[41] 2020-08-18
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[51] **Int.Cl. H01H 9/16 (2006.01) G02B 23/26 (2006.01) H01H 33/64 (2006.01)**
[25] EN
[54] **SWITCHGEAR WITH A MODULAR OPTICAL MONITORING SYSTEM**
[54] **APPAREILLAGE DE COMMUTATION AVEC SYSTEME DE SURVEILLANCE OPTIQUE MODULAIRE**
[72] CZEROMIN, KAY, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[22] 2020-01-30
[41] 2020-08-21
[30] DE (10 2019 202 362.2) 2019-02-21

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[51] **Int.Cl. A46B 13/04 (2006.01) A46B 13/02 (2006.01) B24B 29/00 (2006.01)**
[25] EN
[54] **BRUSH ASSEMBLY**
[54] **ENSEMBLE DE BROSSE**
[72] DODDEMA, JAN FREDERIK, NL
[72] HOFSTEE, SANDER HENDRIKUS JOHANNES, BE
[71] MONTI-WERKZEUGE GMBH, DE
[22] 2020-01-31
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[51] **Int.Cl. E02F 9/20 (2006.01) A01G 23/00 (2006.01) B66C 13/16 (2006.01)**
[25] EN
[54] **INTELLIGENT MECHANICAL LINKAGE PERFORMANCE SYSTEM**
[54] **SYSTEME DE RENDEMENT DE TIMONERIE MECANIQUE INTELLIGENT**
[72] RAJ, ANTONY MARIA THOMAS BENNY MICHAEL, IN
[72] EISBACH, ADAM, IN
[71] DEERE & COMPANY, US
[22] 2020-01-31
[41] 2020-08-20
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[51] **Int.Cl. H01H 9/16 (2006.01) G02B 23/26 (2006.01) H01H 33/64 (2006.01)**
[25] EN
[54] **SWITCHGEAR WITH AN OPTICAL MONITORING SYSTEM**
[54] **APPAREILLAGE DE COMMUTATION AVEC SYSTEME DE SURVEILLANCE OPTIQUE**
[72] CZEROMIN, KAY, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[22] 2020-02-04
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[30] DE (10 2019 202 363.0) 2019-02-21

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[51] **Int.Cl. F16H 1/48 (2006.01) F16H 1/28 (2006.01) F16H 35/06 (2006.01)**
[25] EN
[54] **A PLANETARY GEAR**
[54] **ENGRENAGE PLANETAIRE**
[72] KUKKOLA, TEEMU, FI
[72] LONNAKKO, RAINE, FI
[71] MOVENTAS GEARS OY, FI
[22] 2020-02-06
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[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **BEAN VARIETY SV3709GC**
[54] **VARIETE DE HARICOT SV3709GC**
[72] KMIECIK, KENNETH, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
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[25] EN
[54] **APPARATUS, SYSTEM AND METHOD FOR DETECTING OBJETS**
[54] **APPAREIL, SYSTEME ET PROCEDE POUR DETECTER DES OBJETS**
[72] MAH, ERNEST M., CA
[71] TKS INDUSTRIES LTD., CA
[22] 2020-02-11
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[30] US (62/807,698) 2019-02-19

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[51] **Int.Cl. G16H 30/40 (2018.01) G06T 7/10 (2017.01) G06N 20/00 (2019.01) G06K 9/80 (2006.01) G06T 3/00 (2006.01) A61B 6/00 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR THE APPLICATION OF MACHINE LEARNING TO RADIOGRAPHIC IMAGES OF ANIMALS**
[54] **PROCEDES ET APPAREIL POUR L`APPLICATION D`APPRENTISSAGE AUTOMATIQUE AUX IMAGES RADIOGRAPHIQUES D`ANIMAUX**
[72] SHAW, NEIL GAVIN, US
[71] WESTSIDE VETERINARY INNOVATION, LLC, US
[22] 2020-02-11
[41] 2020-08-21
[30] US (62/808,604) 2019-02-21
[30] US (16/578,182) 2019-09-20

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[13] A1
[51] **Int.Cl. F02B 37/24 (2006.01) F02B 33/40 (2006.01) F04D 29/46 (2006.01)**
[25] EN
[54] **TURBOCHARGER WITH A PIVOTING SLIDING VANE FOR PROGRESSIVELY VARIABLE A/R RATIO**
[54] **TURBOCOMPRESSEUR AVEC AUBES COULISSANTES DE PIVOT A RAPPORT A/R PROGRESSIVEMENT VARIABLE**
[72] BLAYLOCK, JIMMY L., US
[71] BLAYLOCK, JIMMY L., US
[22] 2020-02-10
[41] 2020-08-20
[30] US (16/280.601) 2019-02-20

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[13] A1
[51] **Int.Cl. F28F 13/06 (2006.01) B21D 53/02 (2006.01) F28D 1/00 (2006.01) F28F 1/02 (2006.01) F28F 9/18 (2006.01)**
[25] EN
[54] **FINLESS HEAT EXCHANGER APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES D`ECHANGEUR DE CHALEUR SANS AILETTES**
[72] RAJANI, HAMID REZA ZAREIE, CA
[71] FORUM US, INC., US
[22] 2020-02-12
[41] 2020-08-22
[30] US (16/282,663) 2019-02-22

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[13] A1
[51] **Int.Cl. F16M 7/00 (2006.01) A47B 91/02 (2006.01) F24D 19/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR SUPPORTING A FURNACE WITH ITS BOTTOM SPACED ABOVE A SUPPORT SURFACE**
[54] **APPAREIL POUR SOUTENIR UN FOUR AVEC LA PARTIE SUPERIEURE ESPACEE AU-DESSUS UNE SURFACE DE SUPPORT**
[72] LAURIN, DONALD, CA
[71] LAURIN, DONALD, CA
[22] 2020-02-13
[41] 2020-08-19
[30] US (62807581) 2019-02-19

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[13] A1
[51] **Int.Cl. B26D 5/38 (2006.01) A01K 75/00 (2006.01) B26D 1/02 (2006.01)**
[25] EN
[54] **ROPE SEVERING DEVICE**
[54] **DISPOSITIF DE COUPE DE CORDE**
[72] BRICKETT, BENJAMIN P., US
[71] BLUE WATER CONCEPTS, INC., US
[22] 2020-02-13
[41] 2020-08-21
[30] US (62/808,409) 2019-02-21

[21] **3,072,417**
[13] A1
[51] **Int.Cl. B63H 9/061 (2020.01)**
[25] EN
[54] **RIGID SAIL FOR VESSELS, IN PARTICULAR LARGE SHIPS, AND VESSEL WITH A RIGID SAIL**
[54] **GREEMENT RIGIDE POUR NAVIRES, EN PARTICULIER DES GRANDS BATIMENTS, ET NAVIRE AVEC GREEMENT RIGIDE**
[72] KUHLMANN, HENNING, DE
[71] BECKER MARINE SYSTEMS GMBH & CO. KG, DE
[22] 2020-02-13
[41] 2020-08-18
[30] DE (202019100897.0) 2019-02-18
[30] DE (202019102941.2) 2019-05-24

[21] **3,072,501**
[13] A1
[51] **Int.Cl. G06F 16/24 (2019.01) G06F 16/25 (2019.01) G06F 16/26 (2019.01) G06F 16/907 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **KNOWLEDGE-DRIVEN FEDERATED BIG DATA QUERY AND ANALYTICS PLATFORM**
[54] **GRANDE PLATE-FORME FEDEREE D`ANALYSE ET DE DEMANDE DE DONNEES FONDEE SUR LES CONNAISSANCES**
[72] AGGOUR, KAREEM SHERIF, US
[72] CUDDIHY, PAUL, US
[72] KUMAR, VIJAY SHIV, US
[72] WILLIAMS, JENNY MARIE WEISENBERG, US
[72] VINCIQUERRA, ANTHONY JOSEPH, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2020-02-13
[41] 2020-08-22
[30] US (16/282,718) 2019-02-22

[21] **3,072,507**
[13] A1
[51] **Int.Cl. A01G 9/20 (2006.01) F21V 21/36 (2006.01)**
[25] EN
[54] **LIGHTING SYSTEM FOR INDOOR CULTIVATION FACILITY**
[54] **SYSTEME D`ECLAIRAGE POUR INSTALLATION DE CULTURE INTERIEURE**
[72] CONRAD, WAYNE ERNEST, CA
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
[22] 2020-02-13
[41] 2020-08-21
[30] US (62/808,510) 2019-02-21

[21] **3,072,510**
[13] A1
[51] **Int.Cl. G06F 16/24 (2019.01) G06F 16/25 (2019.01) G06F 16/26 (2019.01) G06F 16/907 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **KNOWLEDGE-DRIVEN FEDERATED BIG DATA QUERY AND ANALYTICS PLATFORM**
[54] **GRANDE PLATE-FORME FEDEREE D`ANALYSE ET DE DEMANDE DE DONNEES FONDEE SUR LES CONNAISSANCES**
[72] AGGOUR, KAREEM SHERIF, US
[72] CUDDIHY, PAUL, US
[72] KUMAR, VIJAY SHIV, US
[72] WILLIAMS, JENNY MARIE WEISENBERG, US
[72] VINCIQUERRA, ANTHONY JOSEPH, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2020-02-13
[41] 2020-08-22
[30] US (16/282,684) 2019-02-22

[21] **3,072,514**
[13] A1
[51] **Int.Cl. G06F 16/24 (2019.01) G06F 16/25 (2019.01) G06F 16/26 (2019.01) G06F 16/907 (2019.01) G06N 20/00 (2019.01)**
[25] EN
[54] **KNOWLEDGE-DRIVEN FEDERATED BIG DATA QUERY AND ANALYTICS PLATFORM**
[54] **GRANDE PLATE-FORME FEDEREE D`ANALYSE ET DE DEMANDE DE DONNEES FONDEE SUR LES CONNAISSANCES**
[72] AGGOUR, KAREEM SHERIF, US
[72] CUDDIHY, PAUL, US
[72] KUMAR, VIJAY SHIV, US
[72] WILLIAMS, JENNY MARIE WEISENBERG, US
[72] VINCIQUERRA, ANTHONY JOSEPH, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2020-02-13
[41] 2020-08-22
[30] US (16/282,643) 2019-02-22

[21] **3,072,672**
[13] A1
[51] **Int.Cl. G02B 1/00 (2006.01) B82Y 20/00 (2011.01) H04B 10/291 (2013.01)**
[25] EN
[54] **HIGH EFFICIENCY EMISSION IN PRASEODYMIUM DOPED CONVENTIONAL GLASS AND FIBER**
[54] **EMISSION A HAUTE EFFICACITE EN FIBRE ET VERRE CONVENTIONNELS DOPES AU PRASEODYME**
[72] PAFCHEK, ROBERT M., US
[71] THORLABS, INC., US
[22] 2020-02-17
[41] 2020-08-19
[30] US (62/807,521) 2019-02-19

[21] **3,072,684**
[13] A1
[51] **Int.Cl. A01M 1/02 (2006.01) A01M 1/08 (2006.01)**
[25] EN
[54] **A METHOD AND DEVICE FOR BED BUG AND PEST DETECTION**
[54] **PROCEDE ET DISPOSITIF POUR DETECTER LA PRESENCE DE PUNAISES DE LIT ET DE PARASITES**
[72] VIRAG, BRIAN, US
[71] VIRAG, BRIAN, US
[22] 2020-02-13
[41] 2020-08-21
[30] US (16/281,089) 2019-02-21
[30] US (16/595,919) 2019-10-08

[21] **3,072,685**
[13] A1
[51] **Int.Cl. B60D 1/64 (2006.01)**
[25] EN
[54] **CONNECTION DEVICE, CONNECTION SYSTEM AND TRACTOR-TRAILER COMBINATION**
[54] **DISPOSITIF DE RACCORDEMENT, SYSTEME DE RACCORDEMENT ET COMBINAISON TRACTEUR-REMORQUE**
[72] ALGUERA, JOSE MANUEL, DE
[71] JOST-WERKE DEUTSCHLAND GMBH, DE
[22] 2020-02-14
[41] 2020-08-21
[30] DE (10 2019 202 352.5) 2019-02-21

[21] **3,072,687**
[13] A1
[51] **Int.Cl. C02F 1/44 (2006.01) B01D 67/00 (2006.01) B01D 69/12 (2006.01) B01D 71/02 (2006.01) C02F 1/40 (2006.01)**
[25] EN
[54] **MEMBRANE SEPARATION OF EMULSIONS PRODUCED FROM HYDROCARBON RECOVERY PROCESSES**
[54] **MEMBRANES DE SEPARATION DES EMULSIONS PRODUITES A PARTIR DES PROCEDES DE RECUPERATION DES HYDROCARBURES**
[72] BAJPAYEE, AAYUSHI, US
[72] BANERJEE, SARBAJIT, US
[71] CENOVUS ENERGY INC., CA
[22] 2020-02-13
[41] 2020-08-19
[30] CA (3,034,496) 2019-02-19

[21] **3,072,690**
[13] A1
[51] **Int.Cl. H02M 1/36 (2007.01) H02M 1/08 (2006.01)**
[25] EN
[54] **PRE-CHARGING CIRCUIT FOR POWER CONVERTERS**
[54] **CIRCUIT DE PRECHARGE POUR CONVERTISSEURS DE PUISSANCE**
[72] CHATTERJEE, PRADIP, DE
[72] GAJANAYAKE, CHANDANA JAYAMPATHI, SG
[72] SCHNEIDER, ERIC D., SG
[72] MOLLIGODA, DEVINDA A., SG
[72] GUPTA, AMIT KUMAR, SG
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[71] ROLLS-ROYCE SINGAPORE PTE LTD., SG
[22] 2020-02-14
[41] 2020-08-19
[30] US (16/279,436) 2019-02-19

[21] **3,072,713**
[13] A1
[51] **Int.Cl. B63H 21/21 (2006.01) B63H 20/00 (2006.01) B63H 21/17 (2006.01)**
[25] EN
[54] **TROLLING MOTOR WITH LOCAL AND REMOTE CONTROL MODES**
[54] **PROPULSEUR ELECTRIQUE AVEC MODES DE COMMANDES LOCALES ET A DISTANCE**
[72] COMBS, NEAL, US
[71] NAVICO HOLDING AS, NO
[22] 2020-02-14
[41] 2020-08-22
[30] US (16/283272) 2019-02-22

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[21] **3,072,787**
[13] A1
[51] **Int.Cl. E21B 43/14 (2006.01) E21B 43/18 (2006.01) E21B 43/10 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING HYDROCARBONS FROM A SUBTERRANEAN HYDROCARBON-BEARING FORMATION INCLUDING A GENERALLY FLUID-IMPERMEABLE ZONE**
[54] **PROCEDE DE PRODUCTION D`HYDROCARBURES A PARTIR D`UNE FORMATION RENFERMANT DES HYDROCARBURES SOUTERRAINS Y COMPRIS UNE ZONE IMPERMEABLE AUX LIQUIDES**
[72] HAYES, CHAD MICHAEL, CA
[72] KOCHHAR, ISHAN DEEP SINGH, CA
[72] KOSHELUK, PAUL MICHEAL, CA
[72] MILLER, MICHAEL JAMES, CA
[71] CENOVUS ENERGY INC., CA
[22] 2020-02-14
[41] 2020-08-20
[30] US (62/808,238) 2019-02-20

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[21] **3,072,790**
[13] A1
[51] **Int.Cl. B44D 3/08 (2006.01) B01F 7/16 (2006.01) B01F 15/00 (2006.01) B67B 7/14 (2006.01) B67B 7/44 (2006.01)**
[25] EN
[54] **MIXING TOOL WITH A PAINT CAN OPENER**
[54] **MELANGEUR MUNI D~UN OUVRE-BOITE DE PEINTURE**
[72] RAYMOND, DANIEL J., US
[71] RAYMOND, DANIEL J., US
[22] 2020-02-18
[41] 2020-08-20
[30] US (62/808,040) 2019-02-20

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[21] **3,072,796**
[13] A1
[51] **Int.Cl. H04W 4/30 (2018.01) G06Q 10/02 (2012.01) G06Q 20/32 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A MULTI-CHANNEL APPLICATION (APP) AND PLATFORM**
[54] **SYSTEME ET PROCEDE POUR UNE APPLICATION ET PLATE-FORME MULTIVOIES**
[72] CAGGIANO, NICOLE, CA
[72] CAGGIANO, NICK, CA
[71] NCX INC., CA
[22] 2020-02-18
[41] 2020-08-20
[30] US (16/280,612) 2019-02-20

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[21] **3,072,800**
[13] A1
[51] **Int.Cl. E06B 9/52 (2006.01) E06B 9/24 (2006.01)**
[25] EN
[54] **LOW PROFILE FENESTRATION SCREEN ASSEMBLY AND METHOD FOR SAME**
[54] **ENSEMBLE DE FENETRAGE AVEC ECRAN BAS PROFIL ET SES PROCEDES**
[72] WOODWARD, BRADLEY D., US
[72] HOLLERMANN, ROSS MICHAEL, US
[71] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US
[22] 2020-02-18
[41] 2020-08-18
[30] US (62/807,176) 2019-02-18

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[21] **3,072,801**
[13] A1
[51] **Int.Cl. G01L 5/14 (2006.01) F41H 5/00 (2006.01)**
[25] EN
[54] **IMPACT DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DES IMPACTS**
[72] SHOSHAN, AMIR BEN, IL
[72] ENGEL, ASAF, IL
[71] PLASAN SASA LTD., IL
[22] 2020-02-18
[41] 2020-08-19
[30] IL (2,64,900) 2019-02-19

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[21] **3,072,803**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01) B64C 1/22 (2006.01)**
[25] FR
[54] **AIRCRAFT WITH OFFSET DOOR FOR BOARDING**
[54] **AERONEF COMPRENANT UNE PORTE D'EMBARQUEMENT DECALEE**
[72] HARROIS, CHRISTOPHE, FR
[72] BILLON, JEAN-REMI, FR
[72] ASFAUX, SEVERINE, FR
[71] DASSAULT AVIATION, FR
[22] 2020-02-17
[41] 2020-08-22
[30] FR (19 01 806) 2019-02-22

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[21] **3,072,805**
[13] A1
[51] **Int.Cl. E05F 11/02 (2006.01)**
[25] EN
[54] **SELF SEATING FENESTRATION HARDWARE**
[54] **MATERIEL DE FENETRAGE A POSITIONNEMENT AUTOMATIQUE**
[72] HOLLERMANN, ROSS MICHAEL, US
[71] MARVIN LUMBER AND CEDAR COMPANY, D/B/A/ MARVIN WINDOWS AND DOORS, US
[22] 2020-02-18
[41] 2020-08-18
[30] US (62/807,155) 2019-02-18

[21] **3,072,825**
[13] A1
[51] **Int.Cl. G01S 5/02 (2010.01)**
[25] EN
[54] **ENHANCED LORAN (ELORAN) SYSTEM HAVING CORRECTED ADDITIONAL SECONDARY FACTOR (ASF) DATA**
[54] **SYSTEME DE NAVIGATION AERIENNE A LONGUE PORTEE AMELIOREE PAR DES DONNEES DE FACTEURS SECONDAIRES ADDITIONNELS**
[72] MASON, GARY W., US
[72] ADAMS, WILLIAM C., US
[71] EAGLE TECHNOLOGY, LLC, US
[22] 2020-02-17
[41] 2020-08-22
[30] US (16/282371) 2019-02-22

[21] **3,072,832**
[13] A1
[51] **Int.Cl. F16L 21/08 (2006.01) F16L 21/03 (2006.01) F16L 33/04 (2006.01) F23J 13/04 (2006.01)**
[25] EN
[54] **CONDUIT LOCKING SYSTEM FOR AN APPLIANCE**
[54] **SYSTEME DE VERROUILLAGE DE CONDUIT POUR UN APPAREIL**
[72] BORGES, LUIS, CA
[72] WANG, ZHAOJIA, US
[71] DURAVENT, INC., US
[22] 2020-02-18
[41] 2020-08-19
[30] US (62/807,295) 2019-02-19

[21] **3,072,863**
[13] A1
[51] **Int.Cl. A47L 11/24 (2006.01) A47L 11/164 (2006.01) A47L 11/283 (2006.01)**
[25] EN
[54] **DISC BROOM, SWEEPING DEVICE, AND FLOOR CLEANING MACHINE**
[54] **BALAI EN FORME DE DISQUE, DISPOSITIF DE BALAYAGE ET MACHINE DE NETTOYAGE DU PLANCHER**
[72] ULRICH, BERTRAM, DE
[72] PROTZ, CARSTEN, DE
[71] HAKO GMBH, DE
[22] 2020-02-19
[41] 2020-08-21
[30] DE (10 2019 104 497.9) 2019-02-21

[21] **3,072,904**
[13] A1
[51] **Int.Cl. G01R 31/58 (2020.01) B61K 13/00 (2006.01) G01R 31/11 (2006.01)**
[25] EN
[54] **WIRING-INTEGRITY AUTOMATIC MONITORING SYSTEM HAVING IMPROVED FEATURES**
[54] **SYSTEME DE SURVEILLANCE AUTOMATIQUE DE L`INTEGRITE DE CABLAGE DOTE DE FONCTIONS AMELIOREES**
[72] PICCINI, ANDREA, IT
[72] MONTANGERO, PAOLO, IT
[71] TECNIKABEL S.P.A., IT
[22] 2020-02-19
[41] 2020-08-20
[30] IT (202019000000585) 2019-02-20

[21] **3,072,905**
[13] A1
[51] **Int.Cl. E06B 3/96 (2006.01) E06B 1/36 (2006.01) E06B 1/52 (2006.01) E06B 3/968 (2006.01)**
[25] EN
[54] **FRAME ASSEMBLY WITH REINFORCED CORNER STRUCTURE**
[54] **ENSEMBLE DE CADRE AVEC STRUCTURE EN COIN RENFORCEE**
[72] FEIL, DON, CA
[71] VISION EXTRUSIONS GROUP LIMITED, CA
[22] 2020-02-19
[41] 2020-08-19
[30] US (62/807,615) 2019-02-19

[21] **3,072,906**
[13] A1
[51] **Int.Cl. E03F 7/04 (2006.01) F16K 15/03 (2006.01) F16K 21/18 (2006.01) F16K 37/00 (2006.01)**
[25] EN
[54] **LOCKED BACKWATER VALVE**
[54] **CLAPET DE NON-RETOUR VERROUILLE**
[72] COSCARELLA, GABE, CA
[71] COSCARELLA, GABE, CA
[22] 2020-02-19
[41] 2020-08-19
[30] US (62/807,579) 2019-02-19

[21] **3,072,916**
[13] A1
[51] **Int.Cl. E05F 11/02 (2006.01)**
[25] EN
[54] **LOW PROFILE PANEL HANDLE ASSEMBLY AND METHODS FOR SAME**
[54] **ENSEMBLE DE POIGNEE AVEC PANNEAU BAS PROFIL ET SES PROCEDES**
[72] WOODWARD, BRADLEY D., US
[72] HOLLERMANN, ROSS MICHAEL, US
[71] MARVIN LUMBER AND CEDAR CO. D/B/A MARVIN WINDOWS AND DOORS, US
[22] 2020-02-19
[41] 2020-08-19
[30] US (62/807,413) 2019-02-19

[21] **3,072,924**
[13] A1
[51] **Int.Cl. D03D 1/00 (2006.01) D03D 13/00 (2006.01) D03D 15/00 (2006.01)**
[25] EN
[54] **WOVEN FABRIC**
[54] **TISSU TISSE**
[72] SONG, GUO QIANG, CN
[71] DONGGUAN SHICHANG METALS FACTORY LTD., CN
[22] 2020-02-18
[41] 2020-08-19
[30] US (16/395,675) 2019-04-26
[30] US (29/680,646) 2019-02-19

[21] **3,072,938**
[13] A1
[51] **Int.Cl. F16L 59/065 (2006.01) F16L 9/16 (2006.01) F16L 9/18 (2006.01) F16L 59/14 (2006.01)**
[25] EN
[54] **INSULTATED PIPE**
[54] **TUYAU ISOLE**
[72] JUURINEN, TERO, SE
[71] UPONOR INNOVATION AB, SE
[22] 2020-02-18
[41] 2020-08-22
[30] DE (102019104585.1) 2019-02-22

[21] **3,072,945**
[13] A1
[51] **Int.Cl. F16C 21/00 (2006.01) B64C 25/36 (2006.01) F16C 33/46 (2006.01)**
[25] EN
[54] **BEARING ARRANGEMENT**
[54] **DISPOSITION D`UN COUSSINET**
[72] BENNETT, IAN ROBERT, GB
[71] SAFRAN LANDING SYSTEMS UK LIMITED, GB
[22] 2020-02-18
[41] 2020-08-21
[30] EP (19158646.0) 2019-02-21

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[13] A1
[51] **Int.Cl. B65D 83/00 (2006.01) A24F 47/00 (2020.01) B65D 85/50 (2006.01) A01G 22/00 (2018.01)**
[25] EN
[54] **METERED DISPENSING DEVICE FOR PLANT EXTRACTS**
[54] **DISPOSITIF DE DISTRIBUTION DOSEE D`EXTRAITS DE PLANTES**
[72] SCATTERDAY, MARK A., US
[71] SCATTERDAY, MARK A., US
[22] 2020-02-20
[41] 2020-08-22
[30] US (16283291) 2019-02-22

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[21] **3,072,949**
[13] A1
[51] **Int.Cl. B62D 25/18 (2006.01) B60R 9/02 (2006.01)**
[25] EN
[54] **TRAILER FENDER WITH STORAGE AREA**
[54] **AILE DE REMORQUE AVEC LIEU D`ENTREPOSAGE**
[72] SCHMIT, PATRIC, US
[72] NEHRING, JOEL, US
[72] MCCONVILLE, JOEL, US
[71] KARAVAN TRAILERS, INC., US
[22] 2020-02-18
[41] 2020-08-18
[30] US (62/807,029) 2019-02-18

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[21] **3,072,950**
[13] A1
[51] **Int.Cl. F23R 3/00 (2006.01) F02C 3/14 (2006.01) F02C 7/24 (2006.01)**
[25] EN
[54] **COMBUSTION CHAMBER ASSEMBLY WITH TILE COMPONENT AND BASE BODIES THEREON ORIENTED TOWARDS EACH OTHER AND EACH CARRYING A FIXING ELEMENT, AND PRODUCTION METHOD**
[54] **ENSEMBLE DE CHAMBRE DE COMBUSTION AVEC COMPOSANTE DE TUILE ET CORPS DE BASE QUI SONT ORIENTES VERS L`UN L`AUTRE ET CHACUN PORTANT UN ELEMENT D`ATTACHE, ET PROCEDE DE FABRICATION**
[72] EBEL, MICHAEL, DE
[72] HEINZE, KAY, DE
[72] GERENDAS, MIKLOSS, DE
[72] SIKORSKI, IGOR, DE
[71] ROLLS-ROYCE DEUTSCHLAND LTD & CO KG, DE
[22] 2020-02-18
[41] 2020-08-22
[30] DE (10 2019 202 466.1) 2019-02-22

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[21] **3,072,951**
[13] A1
[51] **Int.Cl. H04J 11/00 (2006.01) H04B 1/04 (2006.01) H04L 27/34 (2006.01)**
[25] EN
[54] **PAPR REDUCTION FOR OFDM SIGNALS**
[54] **REDUCTION DU RAPPORT DE PUISSANCE CRETE SUR MOYENNE POUR LES SIGNAUX DES MULTIPLEXAGES PAR REPARTITION ORTHOGONALE DE LA FREQUENCE**
[72] NGUYEN, QUANG, CA
[72] NGUYEN, HA H., CA
[72] BERSCHEID, BRIAN, CA
[72] SALT, ERIC, CA
[71] NGUYEN, QUANG, CA
[71] NGUYEN, HA H., CA
[71] BERSCHEID, BRIAN, CA
[71] SALT, ERIC, CA
[22] 2020-02-17
[41] 2020-08-17
[30] US (62/806,866) 2019-02-17

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[21] **3,073,017**
[13] A1
[51] **Int.Cl. H01H 9/22 (2006.01) G05G 5/00 (2006.01) H01H 3/42 (2006.01) H02B 1/46 (2006.01) H02B 11/02 (2006.01)**
[25] EN
[54] **MOTOR CONTROL CENTER (MCC) UNITS WITH DUAL DISCONNECT SWITCHES, DUAL OPERATOR HANDLES, RETRACTABLE POWER CONNECTOR AND INTERLOCKS**
[54] **UNITES DE CENTRE DE COMMANDE DE MOTEUR AVEC SECTIONNEUR DOUBLE, POIGNEES D`OPERATEUR DOUBLES, CONNECTEUR D`ALIMENTATION RETRACTABLE ET INTERVERROUILLAGES**
[72] TYLESHEVSKI, NICHOLAS, US
[72] SIDLE, BRIAN, US
[72] PURNELL, WILLIAM, US
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2020-02-20
[41] 2020-08-22
[30] US (62/808969) 2019-02-22
[30] US (62/955560) 2019-12-31

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[21] **3,073,075**
[13] A1
[51] **Int.Cl. A47C 27/15 (2006.01) A47C 31/00 (2006.01)**
[25] EN
[54] **MATTRESS WITH VARIABLE HEIGHT AND HARDNESS AND METHOD FOR ADJUSTING THE HEIGHT AND HARDNESS OF THE SAME**
[54] **MATELAS AVEC HAUTEUR ET DURETE VARIABLES ET PROCEDE POUR REGLER LA HAUTEUR ET LA DURETE DUDIT MATELAS**
[72] DERAGON, BENOIT, CA
[71] DERAGON, BENOIT, CA
[22] 2020-02-20
[41] 2020-08-20
[30] US (62/808,123) 2019-02-20

[21] **3,073,080**
[13] A1
[51] **Int.Cl. F28F 3/08 (2006.01) F28D 9/00 (2006.01)**
[25] EN
[54] **PLATE HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR DE LA PLAQUE**
[72] RASSMUS, JENS ERIK, SE
[72] HEDLUND, TOBIAS, SE
[71] ALFA LAVAL CORPORATE AB, SE
[22] 2020-02-20
[41] 2020-08-22
[30] US (16/282,416) 2019-02-22

[21] **3,073,081**
[13] A1
[51] **Int.Cl. F02C 7/36 (2006.01) F02C 7/32 (2006.01)**
[25] EN
[54] **GAS TURBINE ENGINE WITH ACCESSORY GEARBOX**
[54] **TURBINE A GAZ AVEC BOITIER D`ENTRAINEMENT DES ACCESSOIRES**
[72] DESJARDINS, MICHEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-19
[41] 2020-08-19
[30] US (16/278,858) 2019-02-19

[21] **3,073,083**
[13] A1
[51] **Int.Cl. C10G 63/02 (2006.01) C10G 1/04 (2006.01) C10G 47/32 (2006.01)**
[25] EN
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[54] **REFORMANT DE DILUANT POUR APPUYER LA MISE A NIVEAU PARTIELLE DES HYDROCARBURES LOURDS**
[72] AL-SABAWI, MUSTAFA, CA
[72] DUSSEAULT, JOHN, CA
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **QUANTIZATION PARAMETER DERIVATION FOR CROSS-CHANNEL RESIDUAL ENCODING AND DECODING**
[54] **DERIVATION DU PARAMETRE DE QUANTIFICATION POUR CODAGE ET DECODAGE DES COEFFICIENTS RESIDUELS INTERCANAUX**
[72] LAINEMA, JANI, FI
[71] NOKIA TECHNOLOGIES OY, FI
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[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] BENDJELLAL, FARID, FR
[72] FURSTENBERG, MICHAEL, DE
[71] BRITAX ROMER KINDERSICHERHEIT GMBH, DE
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[54] **SYSTEMS AND METHODS FOR FILLING DRIVER POSITIONS**
[54] **SYSTEMES ET PROCEDES POUR POURVOIR LES POSTES DE CHAUFFEUR**
[72] DOLOGOY, NOAH, CA
[72] FRANCIS, ALICIA, CA
[72] CHONG, SIMON HO MING, CA
[72] RAVICHANDRAN, VIVEKANAND, CA
[72] LAU, EDMOND SIU CHING, CA
[71] TREAD INC., CA
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[25] EN
[54] **METHOD AND APPARATUS FOR HORTICULTURAL LIGHTING WITH CURRENT SHARING**
[54] **PROCEDE ET APPAREIL POUR ECLAIRAGE HORTICOLE AVEC PARTAGE DE COURANT**
[72] ADAMS, STEPHEN P., US
[72] RHODES, JAMES V., US
[72] WILKES, ARTHUR A., US
[71] ILLUM HORTICULTURE LLC, US
[22] 2020-02-19
[41] 2020-08-21
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[25] EN
[54] **ANIMAL WASTE COLLECTION AND STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE ET DE COLLECTE DE DECHETS D`ORIGINE ANIMALE**
[72] TANNER, TRAE, CA
[71] TANNER, TRAE, CA
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[54] **COMPACT SCRUBBER**
[54] **EPURATEUR COMPACT**
[72] SANDOVAL, GABRIEL J., US
[72] COSTANZO, NICHOLAS A., US
[71] TECHTRONIC CORDLESS GP, US
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[54] **DART WITH CHANGEABLE EXTERIOR PROFILE**
[54] **FLECHETTE AVEC PROFIL EXTERIEUR MODIFIABLE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[71] ADVANCED UPSTREAM LTD., CA
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[54] **SYSTEM AND METHOD FOR CLASSIFYING NETWORK TRAFFIC**
[54] **SYSTEME ET PROCEDE POUR CLASSER LE TRAFIC DE RESEAU**
[72] SREEVALSAN, SHYAM, IN
[72] RAMANUJAM, SRINIDHI, IN
[71] SANDVINE CORPORATION, CA
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[54] **FERMENTED PLANT COMPOSITIONS HAVING MODIFIED ORGANOLEPTIC PROPERTIES**
[54] **COMPOSITIONS DE PLANTES FERMENTEES AVEC PROPRIETES ORGANOLEPTIQUES MODIFIEES**
[72] HOULE, CHANTALE, CA
[72] VAZ, JULIANA MIGUEL, CA
[71] KEFIPLANT INC., CA
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[25] EN
[54] **FASTENER FOR SWIMMING POOL STEP ASSEMBLY, AND METHOD OF ASSEMBLY**
[54] **FIXATION POUR ENSEMBLE D`ECHELLE DE PISCINE, ET PROCEDE DE MONTAGE**
[72] NELSON, LAURENCE A., US
[71] NELSON, LAURENCE A., US
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[54] **HELMET ASSEMBLY WITH VISOR ASSEMBLY HAVING A BREATH GUARD**
[54] **CASQUE AVEC VISIERE DOTEE D`UNE PROTECTION RESPIRATOIRE**
[72] LEVESQUE, JEAN-SIMON, CA
[72] BOUCHARD-FORTIN, NICOLAS, CA
[72] GILBERT, ETIENNE, CA
[72] DION, STEPHANE, CA
[71] KIMPEX INC., CA
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[54] **SYSTEM AND METHOD FOR PROVIDING A NETWORK TRAFFIC PORTAL**
[54] **SYSTEME ET PROCEDE POUR FOURNIR UN PORTAIL DE TRAFIC DE RESEAU**
[72] FAICZAK, KENNETH, CA
[72] TAMASKE, SHERYL, CA
[72] SRIDHAR, KAMAKSHI, US
[72] CULLEN, SAMUEL CAMERON, US
[71] SANDVINE CORPORATION, CA
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[54] **APPARATUS AND METHOD FOR BEAD RECOVERY**
[54] **APPAREIL ET PROCEDE POUR RECUPERER DES BILLES**
[72] HOSKINS, TERRY W., CA
[71] SOLID FLUIDS & TECHNOLOGIES CORP., CA
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[54] **PDM TRANSMISSION WITH BALL-CV TORQUE TRANSFER**
[54] **TRANSMISSION DE MODULATION D`IMPULSIONS EN DUREE AVEC TRANSFERT DE COUPLE DE LA BILLE A LA VITESSE CONSTANTE**
[72] LU, JING, US
[72] CARIVEAU, PETER THOMAS, US
[72] LANDRUM, DAMON T., US
[72] GAARE, STEVEN C., US
[71] ABACO DRILLING TECHNOLOGIES LLC, US
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[25] EN
[54] **DATA CONVERSION AND DISTRIBUTION SYSTEMS**
[54] **CONVERSION DES DONNEES ET SYSTEME DE DISTRIBUTION**
[72] HADDAD, ROBERT NAJA, US
[71] INTERACTIVE DATA PRICING AND REFERENCE DATA LLC, US
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[54] **SYSTEME DE STOCKAGE ET DE COLLECTE DE DECHETS D`ORIGINE ANIMALE**
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[54] **MATERIAU A MOULER DE POLYAMIDE TENACE**
[72] ZHANG, HONG, CN
[72] YANG, JIANMIN, CN
[72] TENG, FEI, CN
[72] WANG, ZHISHENG, CN
[72] HUANG, YI JHEN, CN
[71] EVONIK SPECIALTY CHEMICALS (SHANGHAI) CO., LTD., CN
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[54] **VALVE APPARATUS AND METHOD**
[54] **APPAREIL A VALVE ET PROCEDE ASSOCIE**
[72] LYONS, IAN, GB
[71] LIONS INNOVATIONS LTD, GB
[85] 2020-07-22
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[54] **PROCEDES ET SYSTEMES DE RECUPERATION D'HUILE A PARTIR DE RESERVOIRS SOUTERRAINS**
[72] KONOPCZYNSKI, MICHAEL ROBERT, US
[71] SWELLFIX UK LIMITED, GB
[85] 2020-07-22
[86] 2019-01-04 (PCT/GB2019/050019)
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[54] **STORAGE AND/OR TRANSPORT FOR MULTICELLULAR AGGREGATES**
[54] **STOCKAGE ET/OU TRANSPORT D'AGREGATS MULTICELLULAIRES**
[72] SWIOKLO, STEPHEN, GB
[72] CONNON, CHE JOHN, GB
[71] ATELERIX LIMTED, GB
[85] 2020-07-22
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[87] (WO2019/142004)
[30] GB (1801014.0) 2018-01-22

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[25] EN
[54] **USE OF CANNABINOIDS IN THE TREATMENT OF EPILEPSY**
[54] **UTILISATION DE CANNABINOIDES DANS LE TRAITEMENT DE L'EPILEPSIE**
[72] GUY, GEOFFREY, GB
[72] KNAPPERTZ, VOLKER, GB
[72] WHALLEY, BENJAMIN, GB
[71] GW RESEARCH LIMITED, GB
[85] 2020-07-22
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[54] **BATTERIES A FLUX AVEC COLLECTEURS DE COURANT AYANT UN REVETEMENT DIELECTRIQUE**
[72] BRETT, DANIEL, GB
[72] BROWN, LEON, GB
[72] MASON, THOMAS, GB
[72] DEDIGAMA, ISHANKA, GB
[72] KUCERNAK, ANTHONY, GB
[71] UCL BUSINESS LTD, GB
[71] IMPERIAL INNOVATIONS LIMITED, GB
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[54] **FIL CHAUFFANT GAINE EN FIBRE DE VERRE**
[72] PASQUAL, MAURIZIO FRANCESCO, MX
[72] REYES SOTO, JOSE JESUS, MX
[72] TREVISOL, ALESSANDRO, MX
[72] CAMPEOL, PIERPAOLO, MX
[71] ZOPPAS INDUSTRIES DE MEXICO S.A., DE C.V., MX
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[54] **ZIPPER SLIDER WITH ATTACHMENT**
[54] **CURSEUR DE FERMETURE A GLISSIERE DOTE D'UNE ATTACHE**
[72] HOWARD, STEPHEN, US
[72] NIELDS, THOMAS, US
[71] TALON TECHNOLOGIES, INC., US
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[54]
[72] SHARMA, AMINISH, IN
[72] ROSHAN, SHASHI, IN
[72] MAKAWANA, ANOOP, IN
[72] SHAH, MANISH RAMESH, IN
[72] SIRIGIRI, VENKATA GIRI, IN
[71] INTUIT INC., US
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[54] **METHOD FOR ISOLATION OF CYTISINE**
[54] **PROCEDE D'ISOLEMENT DE CYTISINE**
[72] METODIEV, DANAIL GEORGIEV, BG
[72] KLISAROVA, MARIA NEDKOVA, BG
[72] APOSTOLOVA, PETYA MITKOVA, BG
[72] ZAEKOVA, GALINA NIKOLOVA, BG
[72] STOYANOV, NIKOLAY KIRILOV, BG
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[54] **AUTONOMOUS UNMANNED GROUND VEHICLE AND HANDHELD DEVICE FOR PEST CONTROL**
[54] **VEHICULE TERRESTRE AUTONOME SANS CONDUCTEUR ET DISPOSITIF PORTATIF POUR LA LUTTE ANTIPARASITAIRE**
[72] VAN ESSEN, YAHOEL, CA
[72] HO, GORDON, CA
[71] ELEOS ROBOTICS INC., CA
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[54] **POWDER COMPRISING COATED HARD MATERIAL PARTICLES**
[54] **POUDRE CONTENANT DES PARTICULES DE SUBSTANCES DURES ENDUITES**
[72] MEESE-MARKTSCHEFFEL, JULIANE, DE
[72] OLBRICH, ARMIN, DE
[72] WEILAND, ANJA, DE
[72] VAN DER PUTTEN, FRANK, DE
[72] LAMPRECHT, INES, DE
[71] H.C. STARCK TUNGSTEN GMBH, DE
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[54] **IMPROVED METHOD FOR MEASUREMENT OF MICROBIAL BIOMASS**
[54] **PROCEDE AMELIORE POUR LA MESURE DE BIOMASSE MICROBIENNE**
[72] REESLEV, MORTEN, DK
[71] MYCOMETER A/S, DK
[85] 2020-07-24
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF A NITRIC OXIDE DONATING PROSTAGLANDIN ANALOGUE**
[54] **PROCEDE DE PREPARATION D'UN ANALOGUE DE PROSTAGLANDINE DONNEUR D'OXYDE NITRIQUE**
[72] ALMIRANTE, NICOLETTA, IT
[71] NICOX S.A., FR
[85] 2020-07-24
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[54] **SYSTEME DE GESTION D'ENERGIE**
[72] ANDERSON, THOMAS, GB
[72] SCOTT, JAMES, GB
[72] WRIGHT, DANIEL, GB
[71] GRID EDGE LIMITED, GB
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[54] **4-HYDROXYPIPERIDINE DERIVATIVES AND THEIR USE AS INHIBITORS OF UBIQUITIN SPECIFIC PROTEASE 19 (USP19)**
[54] **DERIVES DE 4-HYDROXYPIPERIDINE ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE LA PROTEASE 19 SPECIFIQUE DE L'UBIQUITINE**
[72] ROUNTREE, JAMES SAMUEL SHANE, GB
[72] WHITEHEAD, STEVEN KRISTOPHER, GB
[72] TREDER, ADAM PIOTR, GB
[72] PROCTOR, LAUREN EMMA, GB
[72] SHEPHERD, STEVEN DAVID, GB
[72] BURKAMP, FRANK, GB
[72] COSTA, JOANA RITA CASTRO, GB
[72] O'DOWD, COLIN, GB
[72] HARRISON, TIMONTHY, GB
[71] ALMAC DISCOVERY LIMITED, GB
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[54] **CAPSULE FILLING APPARATUS**
[54] **APPAREIL DE REMPLISSAGE DE CAPSULE**
[72] KIM, SEUNG KYUN, KR
[72] SUNG, YUN JIN, KR
[72] LEE, BONG-SANG, KR
[72] JEON, HONG RYEOL, KR
[71] CTC BIO, INC., KR
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[54] **VARIANT CD3-BINDING DOMAINS AND THEIR USE IN COMBINATION THERAPIES FOR THE TREATMENT OF DISEASE**
[54] **DOMAINES VARIANTS DE LIAISON A CD3 ET LEUR UTILISATION EN POLYTHERAPIES POUR LE TRAITEMENT D'UNE MALADIE**
[72] BONVINI, EZIO, US
[72] HUANG, LING, US
[72] LAM, CHIA-YING KAO, US
[72] CHICHILI, GURUNADH REDDY, US
[72] ALDERSON, RALPH FROMAN, US
[72] MOORE, PAUL A., US
[72] JOHNSON, LESLIE S., US
[71] MACROGENICS, INC., US
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[86] 2019-02-13 (PCT/US2019/017772)
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[30] US (62/631,043) 2018-02-15
[30] US (62/738,632) 2018-09-28

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[54] **A METHOD AND MATERIAL FOR ISOLATING A SEVERE LOSS ZONE**
[54] **PROCEDE ET MATERIAU D'ISOLEMENT D'UNE ZONE DE PERTE IMPORTANTE**
[72] ALOUHALI, RAED A., SA
[72] AMANULLAH, MD, SA
[72] ARFAJ, MOHAMMED K., SA
[72] ALSUBAIE, TURKI, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[86] 2019-02-13 (PCT/US2019/017797)
[87] (WO2019/160913)
[30] US (62/631,062) 2018-02-15
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[30] US (62/631,122) 2018-02-15
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[51] **Int.Cl. A01M 7/00 (2006.01) A01H 1/04 (2006.01) C12Q 1/68 (2018.01)**
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[54] **IMPROVED MANAGEMENT OF CORN THROUGH SEMI-DWARF SYSTEMS**
[54] **GESTION AMELIOREE DE MAIS PAR L'INTERMEDIAIRE DE SYSTEMES SEMI-NAINS**
[72] BARTEN, TY J., US
[72] BUTRUILLE, DAVID V., US
[72] CARGILL, EDWARD J., US
[72] DIETRICH, CHARLES, US
[72] GOMEZ, JOSE R., US
[72] HALL, MICHAEL A., US
[72] OYERVIDES GARCIA, MANUEL, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-07-28
[86] 2019-02-15 (PCT/US2019/018129)
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[30] US (62/631,181) 2018-02-15
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING CROP YIELDS THROUGH TRAIT STACKING**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LE RENDEMENT DES RECOLTES PAR EMPILEMENT DES CARACTERES**
[72] DIETRICH, CHARLES R., US
[72] IVLEVA, NATALIA, US
[72] SLEWINSKI, THOMAS L., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-07-28
[86] 2019-02-15 (PCT/US2019/018136)
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[25] EN
[54] **ROTARY VALVE**
[54] **VANNE ROTATIVE**
[72] ANDESHMAND, SAYEED, US
[72] DIXON, JOHN, US
[72] CAULEY, THOMAS H., III, US
[71] TALIS BIOMEDICAL CORPORATION, US
[85] 2020-07-28
[86] 2019-02-15 (PCT/US2019/018351)
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[25] EN
[54] **VIRTUAL REALITY SYSTEM AND METHOD**
[54] **SYSTEME DE REALITE VIRTUELLE ET PROCEDE**
[72] WINSTON, RONALD, US
[72] TIGAR, MICHAEL, US
[71] WINSTON, RONALD, US
[85] 2020-07-28
[86] 2019-03-13 (PCT/US2019/022121)
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[30] US (62/642,488) 2018-03-13

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING CROP YIELDS THROUGH TRAIT STACKING**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER LE RENDEMENT DES RECOLTES PAR EMPILEMENT DE CARACTERES**
[72] DIETRICH, CHARLES R., US
[72] IVLEVA, NATALIA, US
[72] SLEWINSKI, THOMAS L., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-07-28
[86] 2019-02-15 (PCT/US2019/018134)
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[25] EN
[54] **HEATING AND/OR COOLING PAD**
[54] **SUPPORT DE CHAUFFAGE ET/OU DE REFROIDISSEMENT**
[72] BREITER, MICHAEL, CH
[71] BRAINCEPT AG, CH
[85] 2020-07-28
[86] 2019-01-28 (PCT/IB2019/050659)
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[25] EN
[54] **FLAME RETARDANT ROTOMOLDED POLYOLEFIN**
[54] **POLYOLEFINE ROTOMOULEE IGNIFUGE**
[72] SIGLER, JOHN A., US
[72] THOMPSON, THOMAS F., US
[72] ANDREWS, STEPHEN M., US
[71] BASF SE, DE
[85] 2020-07-28
[86] 2019-02-20 (PCT/US2019/018711)
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[30] US (62/635,764) 2018-02-27

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[51] **Int.Cl. C04B 11/00 (2006.01) C04B 11/02 (2006.01) C04B 11/30 (2006.01)**
[25] EN
[54] **METHOD OF PROCESSING PLASTERBOARDS**
[54] **PROCEDE DE TRAITEMENT DE PLAQUES DE PLATRE**
[72] KRUSPAN, PETER, CH
[72] STEMMLER, KONRAD, CH
[72] DAGGE, LUDGER, CH
[72] LANGANKE, MELANIE, CH
[71] HOLCIM TECHNOLOGY LTD, CH
[85] 2020-07-28
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[87] (WO2019/150251)
[30] EP (18000070.5) 2018-01-30

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[51] **Int.Cl. A23B 7/04 (2006.01)**
[25] EN
[54] **FROZEN PRODUCT AND METHOD OF PROVIDING SAME**
[54] **PRODUIT CONGELE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] EINHORN, MORDECHAI, CA
[71] EINHORN, MORDECHAI, CA
[85] 2020-07-29
[86] 2017-12-08 (PCT/CA2017/051488)
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[25] EN
[54] **COMBINATION OF AN ANTIMUSCARINIC OR AN ANTICHOLINERGIC AGENT AND LIPOIC ACID AND USES THEREOF**
[54] **COMBINAISON D'UN AGENT ANTIMUSCARINIQUE OU D'UN AGENT ANTICHOLINERGIQUE ET D'ACIDE LIPOIQUE ET SES UTILISATIONS**
[72] KANDULA, MAHESH, IN
[71] CELLIX BIO PRIVATE LIMITED, IN
[85] 2020-07-28
[86] 2019-02-05 (PCT/IB2019/050901)
[87] (WO2019/150341)
[30] IN (201841004306) 2018-02-05
[30] IN (201841008091) 2018-03-05

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[51] **Int.Cl. A01N 47/14 (2006.01) A01N 25/02 (2006.01) A01N 25/22 (2006.01) A01P 5/00 (2006.01)**
[25] EN
[54] **SOIL TREATMENT WITH METAM SALTS AND ONE OR MORE OF CALCIUM THIOSULFATE, CALCIUM CHLORIDE AND CALCIUM NITRATE**
[54] **TRAITEMENT DU SOL AVEC DES SELS DE METAM ET UN OU PLUSIEURS ELEMENTS PARMI LE THIOSULFATE DE CALCIUM, LE CHLORURE DE CALCIUM ET LE NITRATE DE CALCIUM**
[72] HOJJATIE, MICHAEL MASSOUD, US
[72] VOLKER, KURT CARL, US
[72] COLEMAN, KYLE ENGLAND, US
[72] OLSEN, BERNARD OSCAR, US
[71] TESSENDERLO KERLEY, INC., US
[85] 2020-07-28
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[25] EN
[54] **CROSS-LINKED HYALURONIC ACIDS AND COMBINATIONS WITH PRP/BMC**
[54] **ACIDES HYALURONIQUES RETICULES ET COMBINAISONS AVEC PRP/BMC**
[72] TURZI, ANTOINE, CH
[72] MAMELI, MARTA, CH
[71] REGEN LAB SA, CH
[85] 2020-07-28
[86] 2019-02-07 (PCT/IB2019/050973)
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[51] **Int.Cl. C09K 8/72 (2006.01) C09K 8/035 (2006.01) C09K 8/68 (2006.01)**
[25] EN
[54] **GELLING FLUIDS AND RELATED METHODS OF USE**
[54] **FLUIDES GELIFIANTS ET PROCEDES D'UTILISATION ASSOCIES**
[72] NDONG, ROSE, US
[72] BACK, OLIVIER, FR
[72] HERVE, PASCAL, FR
[72] ZHOU, JIAN, US
[71] RHODIA OPERATIONS, FR
[85] 2020-07-28
[86] 2019-02-21 (PCT/US2019/018915)
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[30] US (62/633,318) 2018-02-21

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[51] **Int.Cl. A61M 5/20 (2006.01) A61M 5/34 (2006.01)**
[25] EN
[54] **PEN NEEDLE APPARATUS**
[54] **SYSTEME D'AIGUILLE DE STYLO**
[72] POLITIS, VICTOR, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-07-28
[86] 2019-02-07 (PCT/US2019/017044)
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[30] US (62/629,564) 2018-02-12

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[51] **Int.Cl. C09K 8/506 (2006.01) C09K 8/58 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR DIVERSION DURING ENHANCED OIL RECOVERY**
[54] **PROCEDES ET COMPOSITIONS DE DIVERSION PENDANT UNE RECUPERATION D'HUILE AMELIOREE**
[72] RIZQ, AHMAD NOOR AL-DEEN, SA
[72] ZAHRANI, BADR H., SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-07-28
[86] 2019-02-06 (PCT/US2019/016834)
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[30] US (15/897,474) 2018-02-15

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[25] EN
[54] **SELF-CLEANING CATHETER SYSTEMS**
[54] **SYSTEMES DE CATHETER AUTO-NETTOYANT**
[72] SAMOOCHA, OR, IL
[72] SHARON, SIMON, IL
[72] PORAT, YOSEF, IL
[72] SHOHAM, MOSHE, IL
[72] GADOT, HAREL, US
[72] BOADER, IDAN, IL
[72] PERLMAN, DANNA, IL
[72] BEN-MOSHE, EYAL, IL
[71] MICROBOT MEDICAL LTD, IL
[71] TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED, IL
[85] 2020-07-28
[86] 2019-01-31 (PCT/IL2019/050126)
[87] (WO2019/150372)
[30] US (62/625,928) 2018-02-02
[30] US (62/767,613) 2018-11-15
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[51] **Int.Cl. A45C 13/18 (2006.01) A45C 1/00 (2006.01) A45C 3/00 (2006.01) A45C 13/24 (2006.01) E05G 1/14 (2006.01)**
[25] EN
[54] **CARRIER BAG AND CARRIER ASSEMBLY COMPRISING SUCH A CARRIER BAG AND A CARRIER BOX**
[54] **SAC DE TRANSPORT ET ENSEMBLE DE TRANSPORT COMPRENANT UN TEL SAC DE TRANSPORT ET UNE BOITE DE TRANSPORT**
[72] MORDI, LORRAINE N., US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-07-28
[86] 2019-02-25 (PCT/US2019/019341)
[87] (WO2019/165341)
[30] US (62/634,948) 2018-02-26

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[51] **Int.Cl. F25B 21/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR ESTABLISHING A TEMPERATURE GRADIENT**
[54] **DISPOSITIF ET PROCEDE POUR FORMER UN GRADIENT DE TEMPERATURE**
[72] BOHM, GERALD, AT
[72] HIRSCHMANNER, RUDOLF, AT
[72] MAIERHOFER, SIEGFRIED, AT
[71] BOHM, GERALD, AT
[71] HIRSCHMANNER, RUDOLF, AT
[71] MAIERHOFER, SIEGFRIED, AT
[85] 2020-07-29
[86] 2019-01-29 (PCT/AT2019/060036)
[87] (WO2019/148226)
[30] AT (A 50086/2018) 2018-01-30

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[51] **Int.Cl. C12Q 1/04 (2006.01) G01N 21/552 (2014.01) G01N 21/35 (2014.01)**
[25] EN
[54] **METHOD TO IDENTIFY MICROORGANISMS USING SPECTROSCOPIC TECHNIQUE**
[54] **PROCEDE D'IDENTIFICATION DE MICRO-ORGANISMES A L'AIDE D'UNE TECHNIQUE SPECTROSCOPIQUE**
[72] GALIANO, PAOLO, IT
[71] ALIFAX S.R.L., IT
[85] 2020-07-28
[86] 2019-01-31 (PCT/IT2019/050025)
[87] (WO2019/150408)
[30] IT (102018000002353) 2018-02-02

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[51] **Int.Cl. C22B 7/04 (2006.01) B09B 3/00 (2006.01) C01B 33/00 (2006.01) C01F 7/00 (2006.01)**
[25] EN
[54] **A PROCESS FOR EXTRACTING VALUES FROM LITHIUM SLAG**
[54] **PROCEDE D'EXTRACTION DE VALEURS A PARTIR D'UN LAITIER DE LITHIUM**
[72] MAREE, SUZANNE ELIZABETH, AU
[72] GHISI, MIRELA, AU
[72] LIM, HAZEL, AU
[72] GUO, YAFENG, AU
[71] TIANQI LITHIUM KWINANA PTY LTD, AU
[85] 2020-07-29
[86] 2018-12-11 (PCT/AU2018/051321)
[87] (WO2019/148233)
[30] AU (2018900329) 2018-02-02
[30] AU (2018901028) 2018-03-28
[30] AU (2018903103) 2018-08-23

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[51] **Int.Cl. B62D 35/00 (2006.01) B62D 25/18 (2006.01) B62D 53/06 (2006.01)**
[25] EN
[54] **TRAILER FAIRING AND SYSTEM FOR IMPROVED AERODYNAMIC PERFORMANCE**
[54] **CARENAGE DE REMORQUE ET SYSTEME POUR DES PERFORMANCES AERODYNAMIQUES AMELIOREES**
[72] BRADLEY, CALVIN RHETT, US
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
[85] 2020-07-28
[86] 2019-03-01 (PCT/US2019/020370)
[87] (WO2019/169311)
[30] US (PCT/US18/20730) 2018-03-02

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 9/00 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **LOW PH PHARMACEUTICAL ANTIBODY FORMULATION**
[54] **FORMULATION D'ANTICORPS PHARMACEUTIQUE A PH FAIBLE**
[72] CHRISTIAN, TWINKLE R., US
[72] SHAN, DAXIAN, US
[71] AMGEN INC., US
[85] 2020-07-28
[86] 2019-02-08 (PCT/US2019/017294)
[87] (WO2019/157340)
[30] US (62/628,267) 2018-02-08
[30] US (62/799,577) 2019-01-31

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[25] EN
[54] **HERBICIDAL COMBINATIONS**
[54] **COMBINAISONS HERBICIDES**
[72] KUMAR, AJIT, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
[85] 2020-07-28
[86] 2019-01-25 (PCT/IB2019/050616)
[87] (WO2019/150233)
[30] IN (201831003482) 2018-01-30

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[51] **Int.Cl. H03M 1/12 (2006.01) H03M 1/18 (2006.01)**
[25] EN
[54] **IMPROVED AUTOMATIC GAIN CONTROL FOR ANALOG TO DIGITAL CONVERTERS**
[54] **COMMANDE DE GAIN AUTOMATIQUE AMELIOREE POUR CONVERTISSEURS ANALOGIQUE-NUMERIQUE**
[72] AVERAY, ROBERT DENNIS, AU
[71] BAE SYSTEMS AUSTRALIA LIMITED, AU
[85] 2020-07-29
[86] 2019-02-08 (PCT/AU2019/050095)
[87] (WO2019/153044)
[30] AU (2018900387) 2018-02-08
[30] AU (2018900427) 2018-02-12

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[51] **Int.Cl. H05H 1/00 (2006.01) H05H 1/04 (2006.01) H05H 1/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING PLASMA AND SUSTAINING PLASMA MAGNETIC FIELD**
[54] **SYSTEME ET PROCEDE DE GENERATION DE PLASMA ET DE MAINTIEN DE CHAMP MAGNETIQUE DU PLASMA**
[72] LABERGE, MICHEL GEORGES, CA
[72] EPP, KELLY BERNARD, CA
[72] RABLAH, BLAKE KENTON, CA
[72] REYNOLDS, MERITT WAYNE, CA
[72] MOSSMAN, ALEXANDER DOUGLAS, CA
[72] HOWARD, STEPHEN JAMES, CA
[71] GENERAL FUSION INC., CA
[85] 2020-07-29
[86] 2018-02-28 (PCT/CA2018/050235)
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[13] A1
[51] **Int.Cl. A21D 2/36 (2006.01) A21D 13/045 (2017.01) A21D 2/26 (2006.01) A21D 13/04 (2017.01) A21D 13/06 (2017.01)**
[25] EN
[54] **DOUGH COMPOSITION AND PROCESS FOR MANUFACTURE**
[54] **COMPOSITION DE PATE ET SON PROCEDE DE FABRICATION**
[72] OLADIWURA, ANGELA, CA
[71] PRESTER FOODS INC., CA
[85] 2020-07-29
[86] 2019-01-07 (PCT/CA2019/050019)
[87] (WO2019/153070)
[30] US (62/627,079) 2018-02-06

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[51] **Int.Cl. G06F 9/38 (2018.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR FLEXIBLE PIPELINE GENERATION**
[54] **PROCEDE ET SYSTEME DE GENERATION D'UNE ARCHITECTURE PIPELINE FLEXIBLE**
[72] BAKULIN, YURI, CA
[72] MARQUES, MARCIO, CA
[71] RUBIKLOUD TECHNOLOGIES INC., CA
[85] 2020-07-29
[86] 2019-01-28 (PCT/CA2019/050098)
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[30] US (62/623,242) 2018-01-29

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[51] **Int.Cl. H04W 48/10 (2009.01) H04W 56/00 (2009.01)**
[25] EN
[54] **CELL INFORMATION ACQUISITION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ACQUISITION D'INFORMATIONS DE CELLULES**
[72] LIU, JING, CN
[72] HUANG, HE, CN
[71] ZTE CORPORATION, CN
[85] 2020-07-29
[86] 2018-02-13 (PCT/CN2018/076723)
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[13] A1
[51] **Int.Cl. B08B 9/055 (2006.01) F16L 55/28 (2006.01) F28G 3/10 (2006.01)**
[25] EN
[54] **PIPELINE PIG WITH ROTATING CIRCUMFERENTIAL BRUSH AND SCRAPER DISC WITH WEAR-RESISTANT INSERT**
[54] **RACLEUR DE PIPELINE A BROSSE CIRCONFERENTIELLE ROTATIVE ET DISQUE GRATTEUR A ELEMENT INSERE RESISTANT A L'USURE**
[72] BOYD, MICHAEL, CA
[71] 2066128 ALBERTA LTD., CA
[85] 2020-07-29
[86] 2019-02-20 (PCT/CA2019/050207)
[87] (WO2019/161493)
[30] US (62/632,978) 2018-02-20
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[51] **Int.Cl. C12N 5/10 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **IMPROVED METHOD FOR GENOME EDITING**
[54] **PROCEDE AMELIORE D'EDITION DU GENOME**
[72] GAO, CAIXIA, CN
[72] ZHANG, HUAWEI, CN
[72] JIN, SHUAI, CN
[71] INSTITUTE OF GENETICS AND DEVELOPMENTAL BIOLOGY, CHINESE ACADEMY OF SCIENCES, CN
[85] 2020-07-29
[86] 2019-01-31 (PCT/CN2019/074088)
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[30] CN (201810101165.6) 2018-02-01

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[51] **Int.Cl. H04L 1/18 (2006.01)**
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[54] **WIRELESS COMMUNICATIONS METHOD AND COMMUNICATIONS DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL ET DISPOSITIF DE COMMUNICATION**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-07-29
[86] 2018-08-29 (PCT/CN2018/103084)
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[51] **Int.Cl. G01N 33/68 (2006.01) G01N 1/28 (2006.01) G01B 11/30 (2006.01)**
[25] EN
[54] **NON INVASIVE PROCESS FOR THE EVALUATION OF THE QUALITY OF INTERNAL DENSE CONNECTIVE TISSUES**
[54] **PROCEDE NON INVASIF POUR L'EVALUATION DE LA QUALITE DE TISSUS CONJONCTIFS DENSES INTERNES**
[72] HOC, THIERRY, FR
[72] AUREGAN, JEAN-CHARLES, FR
[72] BENSIDHOUM, MORAD, FR
[72] BOSSER, CATHERINE, FR
[72] ZAHOUANI, HASSAN, FR
[71] ECOLE CENTRALE DE LYON, FR
[71] UNIVERSITE PARIS-SACLAY, FR
[71] UNIVERSITE DE PARIS, FR
[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[85] 2020-07-29
[86] 2018-09-24 (PCT/EP2018/075803)
[87] (WO2019/149393)
[30] EP (18305107.7) 2018-02-01

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[51] **Int.Cl. E06B 3/67 (2006.01) E06B 3/673 (2006.01)**
[25] EN
[54] **INTEGRATED GLAZING UNIT WITH ELECTRONIC DEVICE**
[54] **UNITE DE VITRAGE INTEGREE DOTEE D'UN DISPOSITIF ELECTRONIQUE**
[72] VIVIER, JONATHAN, BE
[72] BOUESNARD, OLIVIER, BE
[71] AGC GLASS EUROPE, BE
[71] AGC INC., JP
[71] AGC FLAT GLASS NORTH AMERICA INC., US
[71] AGC VIDROS DO BRASIL LTDA, BR
[85] 2020-07-29
[86] 2019-01-29 (PCT/EP2019/052080)
[87] (WO2019/149682)
[30] EP (18154021.2) 2018-01-30

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[51] **Int.Cl. G07C 13/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **BLOCKCHAIN-BASED ANONYMIZED CRYPTOLOGIC VOTING**
[54] **VOTE CRYPTOLOGIQUE RENDU ANONYME, BASE SUR UNE CHAINE DE BLOCS**
[72] IVANOV, ALEKSANDR NIKOLAEVICH, RU
[72] KAZENNOV, ALEKSEI VLADIMIROVICH, RU
[72] MAVCHUN, GEORGII VALERIEVICH, RU
[72] RYMANOV, MIKHAIL, GB
[72] DE ROOIJ, PETER, GB
[72] VELISSARIOS, JOHN, GB
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[71] DSX HOLDINGS LIMITED, GB
[85] 2020-07-29
[86] 2019-01-25 (PCT/EP2019/051905)
[87] (WO2019/145508)
[30] RU (2018103253) 2018-01-29
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[51] **Int.Cl. C07K 16/18 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **BINDING MOLECULES THAT SPECIFICALLY BIND TO TAU**
[54] **MOLECULES DE LIAISON QUI SE LIENT SPECIFIQUEMENT A TAU**
[72] APETRI, CONSTANTIN ADRIAN, NL
[72] JURASZEK, JAROSLAW, NL
[72] JANSON, ROOSMARIJN, NL
[72] VERVEEN, HARMKE CORNELIA, NL
[72] SIREGAR, BERDIEN BUNGA, NL
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2020-07-29
[86] 2019-01-31 (PCT/EP2019/052324)
[87] (WO2019/149798)
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[51] **Int.Cl. C07D 307/50 (2006.01)**
[25] EN
[54] **A PROCESS FOR THE CONVERSION OF A SOLID LIGNOCELLULOSIC MATERIAL**
[54] **PROCEDE DE CONVERSION D'UNE MATIERE LIGNOCELLULOSIQUE SOLIDE**
[72] VAN PUTTEN, ROBERT-JAN, NL
[72] MCKAY, BENJAMIN, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[72] VAN DER WAAL, JAN CORNELIS, NL
[71] FURANIX TECHNOLOGIES B.V., NL
[85] 2020-07-29
[86] 2019-01-31 (PCT/EP2019/052437)
[87] (WO2019/149853)
[30] NL (2020355) 2018-01-31

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01)**
[25] EN
[54] **BIOPROCESSING VESSEL**
[54] **RECIPIENT DE BIOTRAITEMENT**
[72] GRIFFIN, WESTON BLAINE, US
[72] CORWIN, ALEX D, US
[72] ZHANG, XIAOHUA, US
[72] SMITH, REGINALD DONOVAN, US
[72] LIU, ZHEN, US
[72] ZHANG, CHENGKUN, US
[72] KESKAR, VANDANA, US
[72] DAVIS, BRIAN MICHAEL, US
[72] SHAIKH, KASHAN, US
[71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
[85] 2020-07-29
[86] 2019-02-08 (PCT/EP2019/053212)
[87] (WO2019/155033)
[30] US (15/893,336) 2018-02-09
[30] US (62/736,115) 2018-09-25
[30] US (62/736,125) 2018-09-25
[30] US (62/736,130) 2018-09-25
[30] US (62/736,120) 2018-09-25
[30] US (62/736,144) 2018-09-25
[30] US (62/736,154) 2018-09-25
[30] US (62/736,143) 2018-09-25

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[13] A1
[51] **Int.Cl. C07D 307/50 (2006.01)**
[25] EN
[54] **PROCESS FOR THE CONVERSION OF A SOLID LIGNOCELLULOSIC MATERIAL**
[54] **PROCEDE DE CONVERSION D'UNE MATIERE LIGNOCELLULOSIQUE SOLIDE**
[72] VAN PUTTEN, ROBERT-JAN, NL
[72] MCKAY, BENJAMIN, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[72] VAN DER WAAL, JAN CORNELIS, NL
[71] FURANIX TECHNOLOGIES B.V., NL
[85] 2020-07-29
[86] 2019-01-31 (PCT/EP2019/052425)
[87] (WO2019/149843)
[30] NL (2020354) 2018-01-31

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[51] **Int.Cl. E21B 15/04 (2006.01) E21B 19/087 (2006.01) E21B 19/14 (2006.01) E21B 19/15 (2006.01) E21B 19/20 (2006.01)**
[25] EN
[54] **APPARATUS FOR ROD HANDLING, ROCK DRILLING UNIT AND METHOD**
[54] **APPAREIL DE MANIPULATION DE BARRE, UNITE DE FORAGE DE ROCHE ET PROCEDE**
[72] TOIVOLA, JUHA, FI
[72] JELGERT, JOHAN, SE
[72] LAHDELMA, ILKKA, FI
[72] BENGTSSON, STEFAN, SE
[72] FREDIN, OLA, SE
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
[85] 2020-07-29
[86] 2019-01-24 (PCT/EP2019/051734)
[87] (WO2019/149613)
[30] EP (18154331.5) 2018-01-31

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[13] A1
[51] **Int.Cl. H01L 39/20 (2006.01) H01F 6/02 (2006.01) H02H 7/00 (2006.01)**
[25] EN
[54] **HTS MAGNET QUENCH INITIATION SYSTEM**
[54] **SYSTEME D'INITIATION D'EXTINCTION D'AIMANT SUPRACONDUCTEUR A HAUTE TEMPERATURE**
[72] SLADE, ROBERT, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2020-07-29
[86] 2019-01-30 (PCT/GB2019/050242)
[87] (WO2019/150092)
[30] GB (1801604.8) 2018-01-31

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[51] **Int.Cl. G16H 50/70 (2018.01) G16H 20/60 (2018.01)**
[25] EN
[54] **GENERATING PERSONALIZED NUTRITIONAL RECOMMENDATIONS USING PREDICTED VALUES OF BIOMARKERS**
[54] **GENERATION DE RECOMMANDATIONS NUTRITIONNELLES PERSONNALISEES AU MOYEN DE VALEURS PREDITES DE BIOMARQUEURS**
[72] WOLF, JONATHAN THOMAS, GB
[72] HADJIGEORGIOU, GEORGE, GB
[72] DAVIES, RICHARD JAMES, GB
[71] ZOE GLOBAL LIMITED, GB
[85] 2020-07-29
[86] 2019-02-11 (PCT/IB2019/051089)
[87] (WO2019/155437)
[30] US (15/894,798) 2018-02-12

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[51] **Int.Cl. H04W 4/02 (2018.01) H04W 4/20 (2018.01) H04W 4/80 (2018.01) G06F 1/12 (2006.01)**
[25] EN
[54] **LOW LEVEL SMARTPHONE AUDIO AND SENSOR CLOCK SYNCHRONIZATION**
[54] **SYNCHRONISATION D'HORLOGE DE CAPTEUR ET AUDIO D'UN SMARTPHONE DE BAS NIVEAU**
[72] BOOIJ, WILFRED EDWIN, NO
[72] HASLUM, KJETIL, NO
[72] GELHARDSTEN, FRITJOF BOGER, NO
[72] BAKKE, ENDRE, NO
[71] BOOIJ, WILFRED EDWIN, NO
[71] HASLUM, KJETIL, NO
[71] GELHARDSTEN, FRITJOF BOGER, NO
[71] BAKKE, ENDRE, NO
[85] 2020-07-29
[86] 2019-01-28 (PCT/IB2019/050679)
[87] (WO2019/145922)
[30] US (62/623,205) 2018-01-29

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[13] A1
[51] **Int.Cl. F01D 9/04 (2006.01) F02C 7/045 (2006.01) F15D 1/00 (2006.01)**
[25] FR
[54] **TURBOMACHINE WITH SERRATED-PROFILE FLOW-SPLITTER NOSE**
[54] **TURBOMACHINE A BEC DE SEPARATION DE FLUX A PROFIL EN SERRATIONS**
[72] GEA AGUILERA, FERNANDO, FR
[72] FIACK, MATTHIEU, FR
[72] GRUBER, MATHIEU SIMON PAUL, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2020-07-29
[86] 2019-02-15 (PCT/FR2019/050352)
[87] (WO2019/158877)
[30] FR (1851361) 2018-02-16

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[13] A1
[51] **Int.Cl. G01S 15/06 (2006.01) G01S 5/00 (2006.01) G01S 5/18 (2006.01)**
[25] EN
[54] **AD HOC POSITIONING OF MOBILE DEVICES USING NEAR ULTRASOUND SIGNALS**
[54] **POSITIONNEMENT AD HOC DE DISPOSITIFS MOBILES A L'AIDE DE SIGNAUX ULTRASONORES PROCHES**
[72] BOOIJ, WILFRED EDWIN, NO
[72] TEN VELDHUIS, MATTHEUS FRANCISCUS ALBERTUS, NO
[71] SONITOR TECHNOLOGIES AS, NO
[85] 2020-07-29
[86] 2019-01-28 (PCT/IB2019/050680)
[87] (WO2019/145923)
[30] US (62/623,215) 2018-01-29

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[13] A1
[51] **Int.Cl. A01G 31/04 (2006.01) A01G 31/06 (2006.01)**
[25] EN
[54] **HIGH-DENSITY PLANT CULTIVATION SYSTEMS AND RELATED APPARATUSES AND METHODS**
[54] **SYSTEMES DE CULTURE DE PLANTES A HAUTE DENSITE ET APPAREILS ET PROCEDES ASSOCIES**
[72] LYSAA, PER AAGE, NO
[71] LYSAA HOLDING AS, NO
[85] 2020-07-29
[86] 2019-02-01 (PCT/IB2019/050828)
[87] (WO2019/150322)
[30] US (62/625,014) 2018-02-01

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[13] A1
[51] **Int.Cl. H01S 3/0975 (2006.01) H01S 3/03 (2006.01) H01S 3/038 (2006.01) H01S 3/07 (2006.01) H01S 3/081 (2006.01) H01S 3/223 (2006.01)**
[25] EN
[54] **COMPACT COAXIAL LASER**
[54] **LASER COAXIAL COMPACT**
[72] TURGEMAN, SHLOMO, IL
[72] SHEFFER, EITAN, IL
[72] REMES, MICHAEL, IL
[72] LAVI, BEN ZION, IL
[72] BRESTEL, MORDECHAI, IL
[71] IDEA MACHINE DEVELOPMENT DESIGN AND PRODUCTION LTD., IL
[85] 2020-07-29
[86] 2019-01-29 (PCT/IB2019/050724)
[87] (WO2019/145930)
[30] US (62/623,538) 2018-01-29
[30] US (62/627,822) 2018-02-08

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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) C07D 403/14 (2006.01) C07D 407/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/10 (2006.01)**
[25] EN
[54] **SUBSTITUTED QUINAZOLINE AND PYRIDOPYRIMIDINE DERIVATIVES USEFUL AS ANTICANCER AGENTS**
[54] **DERIVES DE QUINAZOLINE ET DE PYRIDOPYRIMIDINE SUBSTITUES UTILES EN TANT QU'AGENTS ANTICANCEREUX**
[72] BROOUN, ALEXEI, US
[72] CHEN, PING, US
[72] CHENG, HENGMIAO, US
[72] COLLINS, MICHAEL RAYMOND, US
[72] LINTON, MARIA ANGELICA, US
[72] MADERNA, ANDREAS, US
[72] NAGATA, ASAKO, US
[72] PALMER, CYNTHIA, US
[72] PLANKEN, SIMON, US
[72] SPANGLER, JILLIAN ELYSE, US
[71] PFIZER INC., US
[85] 2020-07-29
[86] 2019-01-31 (PCT/IB2019/050795)
[87] (WO2019/150305)
[30] US (62/624,829) 2018-02-01
[30] US (62/685,383) 2018-06-15
[30] US (62/795,062) 2019-01-22

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[13] A1
[51] **Int.Cl. G02C 7/02 (2006.01) A61F 9/00 (2006.01) G02C 7/04 (2006.01)**
[25] EN
[54] **LENSES WITH OPTICAL MARKINGS**
[54] **LENTILLES A MARQUAGES OPTIQUES**
[72] GENGLER, REGIS Y.N.R, NL
[72] BOGAERT, THEOPHILUS T., NL
[72] ZUIDEMA, TJEERD, NL
[72] BEKKERING, HENDRIK H., NL
[71] AMO GRONINGEN B.V., NL
[85] 2020-07-29
[86] 2019-02-01 (PCT/IB2019/050821)
[87] (WO2019/150317)
[30] US (62/625,269) 2018-02-01
[30] US (62/703,844) 2018-07-26

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[13] A1
[51] **Int.Cl. E04G 7/14 (2006.01) E04G 5/00 (2006.01) E04G 5/14 (2006.01) E04G 7/22 (2006.01) F16B 7/04 (2006.01)**
[25] EN
[54] **SCAFFOLDING, COUPLING DEVICE AND METHOD FOR ERECTING A SCAFFOLDING**
[54] **ECHAFAUDAGE, DISPOSITIF D'ACCOUPLEMENT ET PROCEDE DE MONTAGE D'UN ECHAFAUDAGE**
[72] VAN OERS, PETRUS CHRISTIANUS JOHANNUS MARIA, NL
[72] VAN LEENT, ANTONIUS JOHANNUS MARINUS, NL
[72] KWEENS, RALPH GERARDUS FRANCISCUS HERMAN, NL
[71] BRAND INFRASTRUCTURE SERVICES B.V., NL
[85] 2020-07-29
[86] 2019-01-31 (PCT/NL2019/050065)
[87] (WO2019/151862)
[30] NL (2020375) 2018-02-02

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[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **BIOPSY DEVICE**
[54] **DISPOSITIF DE BIOPSIE**
[72] KLEIN, ASSAF, IL
[72] KHAMAYSI, IYAD, IL
[72] SHACHRUR, SEFI, IL
[71] LIMACA MEDICAL LTD., IL
[85] 2020-07-29
[86] 2019-02-07 (PCT/IL2019/050156)
[87] (WO2019/155472)
[30] US (62/627,786) 2018-02-08
[30] US (62/722,907) 2018-08-26
[30] US (62/787,783) 2019-01-03

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[13] A1
[51] **Int.Cl. G16H 20/60 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **GENERATING PREDICTED VALUES OF BIOMARKERS FOR SCORING FOOD**
[54] **GENERATION DE VALEURS PREDITES DE BIOMARQUEURS POUR NOTER DES ALIMENTS**
[72] WOLF, JONATHAN THOMAS, GB
[72] HADJIGEORGIOU, GEORGE, GB
[72] DAVIES, RICHARD JAMES, GB
[71] ZOE GLOBAL LIMITED, GB
[85] 2020-07-29
[86] 2019-02-11 (PCT/IB2019/051088)
[87] (WO2019/155436)
[30] US (15/894,776) 2018-02-12

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[13] A1
[51] **Int.Cl. B62J 25/00 (2020.01) G05G 1/60 (2009.01) B62K 19/24 (2006.01) B62K 19/34 (2006.01)**
[25] EN
[54] **FOOTREST ARRANGEMENT FOR A MOTORCYCLE**
[54] **AGENCEMENT DE REPOSE-PIEDS POUR MOTOCYCLETTE**
[72] FLATELAND, KAI INGVALD, NO
[71] FLATELAND, KAI INGVALD, NO
[85] 2020-07-29
[86] 2019-01-24 (PCT/NO2019/050017)
[87] (WO2019/156569)
[30] NO (20180190) 2018-02-06

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[13] A1
[51] **Int.Cl. C01B 13/11 (2006.01)**
[25] EN
[54] **OZONE GENERATOR**
[54] **GENERATEUR D'OZONE**
[72] HASHIMOTO, MICHIKO, JP
[72] MURATA, TAKAAKI, JP
[72] KUBO, KIE, JP
[72] OKITA, YUJI, JP
[71] KABUSHIKI KAISHA TOSHIBA, JP
[71] TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION, JP
[85] 2020-07-29
[86] 2018-09-13 (PCT/JP2018/033931)
[87] (WO2019/150641)
[30] JP (2018-013793) 2018-01-30

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[13] A1
[51] **Int.Cl. A01K 61/55 (2017.01) A01K 61/54 (2017.01) A01K 61/60 (2017.01) A01K 61/00 (2017.01)**
[25] EN
[54] **SHELLFISH GROWING APPARATUS, SYSTEM AND METHOD OF USING SAME**
[54] **APPAREIL ET SYSTEME DE CONCHYLICULTURE, ET PROCEDE D'UTILISATION ASSOCIE**
[72] PANNELL, AARON PETER, NZ
[71] MARLBOROUGH OYSTERS LIMITED, NZ
[85] 2020-07-29
[86] 2019-01-31 (PCT/NZ2019/050007)
[87] (WO2019/151879)
[30] NZ (739638) 2018-02-02

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04W 16/26 (2009.01) H04W 24/08 (2009.01) H04W 84/06 (2009.01)**
[25] EN
[54] **MONITORING OF RADIO RELAY DEVICE USING FEEDER LINK**
[54] **SURVEILLANCE DE DISPOSITIF DE RELAIS RADIO A L'AIDE D'UNE LIAISON DE CONNEXION**
[72] MATSUURA, KAZUKI, JP
[72] OTA, YOSHICHIKA, JP
[71] SOFTBANK CORP., JP
[85] 2020-07-29
[86] 2019-01-22 (PCT/JP2019/001914)
[87] (WO2019/151056)
[30] JP (2018-018641) 2018-02-05

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[51] **Int.Cl. A61B 17/34 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **NEGATIVE PRESSURE-BASED GRIPPING SYSTEM, METHOD AND TOOLS**
[54] **SYSTEME ET PROCEDE DE PREHENSION A BASE DE PRESSION NEGATIVE**
[72] BJURSTEN, HENRIK, SE
[72] KOVAC, TIM, SE
[72] GOTBERG, MATTHIAS, SE
[72] DENCKER, MAGNUS, SE
[71] SEPTULUS AB, SE
[85] 2020-07-29
[86] 2019-02-06 (PCT/EP2019/052893)
[87] (WO2019/154847)
[30] EP (18155266.2) 2018-02-06

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[51] **Int.Cl. A61K 45/00 (2006.01) A61K 31/135 (2006.01) A61K 31/397 (2006.01) A61K 31/403 (2006.01) A61K 31/4245 (2006.01) A61K 31/426 (2006.01) A61K 31/496 (2006.01) A61P 9/10 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **MEDICINE FOR PREVENTING OR TREATING OPHTHALMIC DISEASE ASSOCIATED WITH ENHANCED INTRAOCULAR NEOVASCULARIZATION AND/OR INTRAOCULAR VASCULAR PERMEABILITY**
[54] **MEDICAMENT POUR PREVENIR OU TRAITER UNE MALADIE OPHTALMIQUE ASSOCIEE A UNE NEOVASCULARISATION INTRAOCULAIRE ET/OU A UNE PERMEABILITE VASCULAIRE INTRAOCULAIRE ACCRUES**
[72] HARA, HIDEAKI, JP
[72] NARUMIYA, SHUH, JP
[72] AOKI, TOMOHIRO, JP
[72] ARAMORI, ICHIRO, JP
[72] YAMAMOTO, RIE, JP
[71] KYOTO UNIVERSITY, JP
[71] ASTELLAS PHARMA INC., JP
[85] 2020-07-29
[86] 2019-02-01 (PCT/JP2019/003573)
[87] (WO2019/151470)
[30] JP (2018-016911) 2018-02-02

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 3/00 (2006.01)**
[25] EN
[54] **DISPOSABLE KIT FOR BIOPROCESSING**
[54] **KIT JETABLE POUR BIOTRAITEMENT**
[72] GRIFFIN, WESTON BLAINE, US
[72] CORWIN, ALEX D., US
[72] ZHANG, XIAOHUA, US
[72] SMITH, REGINALD, DONOVAN, US
[72] LIU, ZHEN, US
[72] CHENGKUN, ZHANG, US
[72] KESKAR, VANDANA, US
[72] DAVIS, BRIAN MICHAEL, US
[72] SHAIKH, KASHAN, US
[71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
[85] 2020-07-29
[86] 2019-02-08 (PCT/EP2019/053208)
[87] (WO2019/155029)
[30] US (15/893,336) 2018-02-09
[30] US (62/736,115) 2018-09-25
[30] US (62/736,125) 2018-09-25
[30] US (62/736,130) 2018-09-25
[30] US (62/736,120) 2018-09-25
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[30] US (62/736,154) 2018-09-25
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[25] EN
[54] **FIBROUS CELLULOSE, METHOD FOR MANUFACTURING SAME, AND RESIN COMPOSITION**
[54] **CELLULOSES FIBREUSES, LEUR PROCEDE DE PRODUCTION ET COMPOSITION DE RESINE**
[72] MATSUSUE, IKKO, JP
[72] FUJITA, AYA, JP
[71] DAIO PAPER CORPORATION, JP
[85] 2020-07-29
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[54] **STATIC MULTIVIEW DISPLAY AND METHOD EMPLOYING COLLIMATED GUIDED LIGHT**
[54] **AFFICHAGE MULTIVUE STATIQUE ET PROCEDE UTILISANT UNE LUMIERE GUIDEE COLLIMATEE**
[72] LI, XUEJIAN, US
[72] FATTAL, DAVID A., US
[72] AIETA, FRANCESCO, US
[72] MA, MING, US
[71] LEIA INC., US
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[25] EN
[54] **FLOW TUBE FOR HOSTING A FLOW METER AND A SHUT-OFF VALVE**
[54] **TUBE D'ECOULEMENT POUR L'HEBERGEMENT D'UN DEBITMETRE ET D'UNE VANNE D'ARRET**
[72] MESS, FRANK MCCARTHY, US
[72] ALMIRALL, JORGE CARLOS, US
[72] RYCROFT, ALEXANDER NEAL, US
[72] VIDANELAGE, TIMUTHU WERAGODA, US
[71] RELIANCE WORLDWIDE CORPORATION, US
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[25] EN
[54] **SYSTEM AND METHODS FOR PREDICTING DRUG-INDUCED INOTROPIC AND PRO-ARRHYTHMIA RISK**
[54] **SYSTEME ET PROCEDES POUR PREDIRE UN RISQUE INOTROPE INDUIT PAR UN MEDICAMENT ET UN RISQUE DE PRO-ARYTHMIE**
[72] ABI GEORGES, NAJAH ELIAS, US
[72] GHETTI, ANDREA PIERO, US
[72] MILLER, PAUL EDWARD, US
[71] ANABIOS CORPORATION, US
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[25] EN
[54] **SYNERGISTIC COMBINATIONS OF MONOCHLORAMINE AND ORGANIC ACID, AND METHODS OF USING THE SAME FOR MICROBIAL CONTROL**
[54] **COMBINAISONS SYNERGIQUES DE MONOCHLORAMINE ET D'ACIDE ORGANIQUE, ET LEURS METHODES D'UTILISATION POUR LA LUTTE ANTIMICROBIENNE**
[72] BUYONDO, JOHN P., US
[72] REED, MARK L., US
[72] JANSE, BERNARD, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2020-07-29
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[54] **TREATMENT OF TAILINGS STREAMS WITH ONE OR MORE DOSAGES OF LIME, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **TRAITEMENT DE FLUX DE QUEUES A L'AIDE D'UNE OU DE PLUSIEURS DOSES DE CHAUX, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] TATE, MICHAEL JOHN, US
[72] LEIKAM, JARED IRA, CA
[72] FOX, JESSE WAYNE, CA
[72] ROMANIUK, NIKOLAS ANDREI, CA
[71] GRAYMONT WESTERN CANADA INC., CA
[85] 2020-07-29
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[25] EN
[54] **SIMULATING A LOCAL EXPERIENCE BY LIVE STREAMING SHARABLE VIEWPOINTS OF A LIVE EVENT**
[54] **SIMULATION D'UNE EXPERIENCE LOCALE PAR DIFFUSION PAR FLUX CONTINU EN DIRECT DE POINTS DE VUE PARTAGEABLES D'UN EVENEMENT EN DIRECT**
[72] BUSTAMANTE, FABIAN, US
[72] BIRRER, STEFAN, US
[71] PHENIX REAL TIME SOLUTIONS, INC., US
[85] 2020-07-29
[86] 2019-02-06 (PCT/US2019/016891)
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[30] US (62/627,126) 2018-02-06

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[54] **COORDINATED FREQUENCY LOAD SHEDDING PROTECTION METHOD USING DISTRIBUTED ELECTRICAL PROTECTION DEVICES**
[54] **PROCEDE DE PROTECTION DE DELESTAGE DES CHARGES DE FREQUENCE COORDONNEE FAISANT APPEL A DES DISPOSITIFS DE PROTECTION ELECTRIQUE REPARTIS**
[72] MATAMOROS, JOSEPH, US
[71] S&C ELECTRIC COMPANY, US
[85] 2020-07-29
[86] 2018-12-19 (PCT/US2018/066379)
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[54] **SWADDLING DEVICE WITH ADJUSTABLE WRAP**
[54] **DISPOSITIF D'EMMAILLOTAGE AVEC ENVELOPPE REGLABLE**
[72] DAMIR, LYNETTE, US
[72] DAMIR, JEFFREY, US
[71] SWADDLEDESIGNS, LLC, US
[85] 2020-07-29
[86] 2019-02-01 (PCT/US2019/016435)
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[54] **THERAPEUTIC COMPOUNDS AND COMPOSITIONS**
[54] **COMPOSES ET COMPOSITIONS THERAPEUTIQUES**
[72] CHENARD, BERTRAND L., US
[72] XU, YUELIAN, US
[72] STASSEN, FRANS L., US
[72] HAYWARD, NEIL J., US
[72] TENG, ZHIYAO, US
[71] EXITHERA PHARMACEUTICALS INC., US
[85] 2020-07-29
[86] 2019-02-04 (PCT/US2019/016503)
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[25] EN
[54] **UTERINE MANIPULATOR**
[54] **MANIPULATEUR UTERIN**
[72] WU, XIAO, US
[72] OKONIEWSKI, GREGORY, US
[72] HOLBROOKS, ASHLEY, US
[71] CONMED CORPORATION, US
[85] 2020-07-29
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[25] EN
[54] **APPARATUS AND METHOD FOR SECURING AN ELONGATE MEMBER TO A MEDICAL INSTRUMENT**
[54] **APPAREIL ET PROCEDE DE FIXATION D'UN ELEMENT ALLONGE A UN INSTRUMENT MEDICAL**
[72] CUSHEN, PATRICK EOIN, IE
[72] WHITFORD, ALAN PETER, IE
[71] STRYKER EUROPEAN HOLDINGS I, LLC, US
[85] 2020-07-29
[86] 2019-02-04 (PCT/US2019/016510)
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[25] EN
[54] **METHODS AND SYSTEMS FOR FORMING VACUUM INSULATED CONTAINERS**
[54] **PROCEDES ET SYSTEMES POUR FORMER DES CONTENANTS ISOLES SOUS VIDE**
[72] MAK, RONALD K.Y., CN
[72] CHEN, TINGHONG, CN
[72] ZHOU, JUN, CN
[72] LANE, MARVIN, US
[71] THERMOS L.L.C., US
[71] THERMOS (CHINA) HOUSEWARES CO. LTD., CN
[85] 2020-07-29
[86] 2019-01-23 (PCT/US2019/014722)
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[25] EN
[54] **OIL RECOVERY TOOL AND SYSTEM**
[54] **OUTIL ET SYSTEME DE RECUPERATION DE PETROLE**
[72] VALTIERRA, ROBERT D., US
[72] OZIMEK, MARK J., US
[72] SISTO, EUGENE, US
[71] HYDROACOUSTICS INC., US
[85] 2020-07-29
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[30] US (62/627,310) 2018-02-07
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[25] EN
[54] **SYSTEM AND METHODOLOGY INCLUDING STRAIN FILTER IN DOWNHOLE PUMPS**
[54] **SYSTEME ET METHODOLOGIE COMPRENANT UN FILTRE DE CONTRAINTE DANS DES POMPES DE FOND DE TROU**
[72] CHINMOY, NATH, US
[72] VALENZUELA, CHRISTOPHER, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2020-07-29
[86] 2019-01-28 (PCT/US2019/015373)
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[51] **Int.Cl. H01R 12/72 (2011.01) H01R 12/53 (2011.01) A61B 5/00 (2006.01) H01R 12/73 (2011.01) H01R 27/02 (2006.01)**
[25] EN
[54] **SYSTEM HAVING A CABLE ASSEMBLY AND PLUG AND RECEPTACLE CONNECTORS**
[54] **SYSTEME COMPRENANT UN ENSEMBLE CABLE ET DES CONNECTEURS MALE ET FEMELLE**
[72] SASAKI, YOHICHI, JP
[72] KIMURA, MAKIYA, JP
[72] MEDINA, THOMAS J., US
[71] CREGANNA UNLIMITED COMPANY, IE
[71] TYCO ELECTRONICS JAPAN G.K., JP
[85] 2020-07-29
[86] 2019-02-04 (PCT/US2019/016532)
[87] (WO2019/152937)
[30] US (62/626,150) 2018-02-04
[30] US (62/626,161) 2018-02-05
[30] US (16/264,872) 2019-02-01

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[51] **Int.Cl. D06N 3/00 (2006.01) D06N 3/12 (2006.01) D06N 3/14 (2006.01)**
[25] EN
[54] **SEAMABLE INDUSTRIAL BELT**
[54] **COURROIE INDUSTRIELLE POUVANT ETRE COUSUE**
[72] LEVINE, MARK, US
[72] ISRAEL, THOMAS, US
[72] WEBER, HEATHER, US
[72] VANHANDEL, CHAD, US
[72] ENGLAND, DOUGLAS, US
[71] ALBANY INTERNATIONAL CORP., US
[85] 2020-07-29
[86] 2019-01-29 (PCT/US2019/015535)
[87] (WO2019/152349)
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[51] **Int.Cl. A01G 23/06 (2006.01) B02C 18/18 (2006.01) B27G 13/10 (2006.01)**
[25] EN
[54] **CUTTER MOUNTING SYSTEMS AND CUTTERS FOR THE SAME**
[54] **SYSTEMES DE MONTAGE D'OUTIL DE COUPE ET OUTILS DE COUPE CORRESPONDANT**
[72] DAINING, STEPHEN, US
[72] DISSELKOEN, MATTHEW RYAN, US
[72] VERZILLI, CLAUDIO CARRAFIELLO, US
[72] BREJA, JOSEPH EDWARD, US
[72] NOSSAMAN, JOSHUA DEAN, US
[71] VERMEER MANUFACTURING COMPANY, US
[85] 2020-07-29
[86] 2019-02-07 (PCT/US2019/017029)
[87] (WO2019/157167)
[30] US (62/627,377) 2018-02-07
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[51] **Int.Cl. F04D 27/00 (2006.01) F24F 11/62 (2018.01) F24F 11/77 (2018.01)**
[25] EN
[54] **MINIMIZATION OF FAN POWER IN AIR DISTRIBUTION OR EXTRACTION**
[54] **MINIMISATION DE LA PUISSANCE DE VENTILATEUR POUR LA DISTRIBUTION OU L'EXTRACTION D'AIR**
[72] COOGAN, JAMES J., US
[72] JOHNSON, SCOTT, US
[72] FUSON, PAUL, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2020-07-29
[86] 2019-02-07 (PCT/US2019/017048)
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[51] **Int.Cl. A61K 39/395 (2006.01)**
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[54] **ANTIBODIES TO GALECTIN-3 AND METHODS OF USE THEREOF**
[54] **ANTICORPS DIRIGES CONTRE LA GALECTINE-3 ET LEURS PROCEDES D'UTILISATION**
[72] SPRIGGS, DAVID, US
[72] THAPI, DHARMARAO, US
[72] STASENKO, MARINA, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2020-07-29
[86] 2019-02-01 (PCT/US2019/016430)
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[30] US (62/625,166) 2018-02-01

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[54] **TWIST ACTION PORTION CONTROL SAUCE DISPENSER**
[54] **DISTRIBUTEUR DE SAUCE A CONTROLE DES PORTIONS PAR ACTION DE TORSION**
[72] JOHANSON, JAMES ERIC, US
[72] LAGACE, CHAD E., US
[71] SONOCO DEVELOPMENT, INC., US
[85] 2020-07-29
[86] 2019-02-08 (PCT/US2019/017220)
[87] (WO2019/157286)
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[51] **Int.Cl. C07K 14/705 (2006.01)**
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[54] **MODIFIED MONOCYTES/MACROPHAGES/DENDRITIC CELLS EXPRESSING CHIMERIC ANTIGEN RECEPTORS AND USES IN DISEASES AND DISORDERS ASSOCIATED WITH PROTEIN AGGREGATES**
[54] **MONOCYTES/MACROPHAGES/CELLULES DENDRITIQUES MODIFIES EXPRIMANT DES RECEPTEURS ANTIGENIQUES CHIMERIQUES ET UTILISATIONS DANS DES MALADIES ET DES TROUBLES ASSOCIES A DES AGREGATS PROTEIQUES**
[72] GILL, SAAR, US
[72] KLICHINSKY, MICHAEL, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2020-07-29
[86] 2019-02-01 (PCT/US2019/016253)
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[54] **EXPANDABLE POLYMER PARTICLES**
[54] **PARTICULES POLYMERES EXPANSIBLES**
[72] BANCROFT, PATRICIA ANSEMS, US
[72] CARTER, MATTHEW, US
[72] ERYAZICI, IBRAHIM, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-07-29
[86] 2019-02-15 (PCT/US2019/018140)
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[54] **HEMP POWDER**
[54] **POUDRE DE CHANVRE**
[72] BLACK, JACOB, US
[72] DAVIS, ROBERT, US
[72] COLVIN, SEAN, US
[72] EVANYO, JOHN, US
[72] SMELTZER, THOMAS, US
[71] CANOPY HOLDINGS, LLC, US
[85] 2020-07-29
[86] 2019-01-31 (PCT/US2019/016182)
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[30] US (62/624,658) 2018-01-31
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[51] **Int.Cl. C09K 8/52 (2006.01) C09K 8/68 (2006.01) C09K 8/88 (2006.01) E21B 43/00 (2006.01) F17D 1/16 (2006.01)**
[25] EN
[54] **METHODS FOR USE IN OIL AND GAS OPERATIONS**
[54] **PROCEDES PROCEDES DESTINES A ETRE UTILISES LORS D'OPERATIONS PETROLIERES ET GAZIERES**
[72] ALEXIS, DENNIS, US
[72] PINNAWALA ARACHCHILAGE, GAYANI WASANA PREMATHILAKE, US
[72] DWARAKANATH, VARADARAJAN, US
[72] KIM, DO HOON, US
[72] MALIK, TAIMUR, US
[72] WINSLOW, GREGORY A., US
[72] WILHELM, AARON, US
[71] CHEVRON U.S.A. INC., US
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2020-07-29
[86] 2019-01-30 (PCT/US2019/015775)
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[30] US (62/624,092) 2018-01-30

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[51] **Int.Cl. C09K 8/584 (2006.01) C09K 8/588 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR USE IN OIL AND GAS OPERATIONS**
[54] **COMPOSITIONS DESTINEES A ETRE UTILISEES DANS LES OPERATIONS PETROLIERES ET GAZIERES**
[72] ALEXIS, DENNIS, US
[72] PINNAWALA ARACHCHILAGE, GAYANI WASANA PREMATHILAKE, US
[72] DWARAKANATH, VARADARAJAN, US
[72] KIM, DO HOON, US
[72] MALIK, TAIMUR, US
[72] WINSLOW, GREGORY A., US
[72] WILHELM, AARON, US
[71] CHEVRON U.S.A. INC., US
[71] CHEVRON ORONITE COMPANY LLC, US
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[54] **PEN NEEDLE AND INNER SHIELD**
[54] **AIGUILLE DE STYLO ET PROTECTION INTERNE**
[72] GIRGIS, PETER, US
[71] BECTON. DICKINSON AND COMPANY, US
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[86] 2019-02-11 (PCT/US2019/017423)
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[30] US (62/629,522) 2018-02-12

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[25] EN
[54] **SEQUENTIAL STAINING FOR MULTIPLEX ANALYSES OF TISSUES AND CELLS**
[54] **COLORATION SEQUENTIELLE A DES FINS D'ANALYSES MULTIPLEX DE TISSUS ET DE CELLULES**
[72] GUPTA, VINEET, US
[72] RAJAGOPALAN, ANUGRAHA, US
[71] RUSH UNIVERSITY MEDICAL CENTER, US
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[86] 2019-01-29 (PCT/US2019/015630)
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[25] EN
[54] **SYSTEM AND METHOD FOR FLUID FLOW MANAGEMENT IN A BIOPROCESSING SYSTEM**
[54] **SYSTEME ET PROCEDE DE GESTION DE DEBIT DE FLUIDE DANS UN SYSTEME DE BIOTRANSFORMATION**
[72] GRIFFIN, WESTON BLAINE, US
[72] CORWIN, ALEX D, US
[72] ZHANG, XIAOHUA, US
[72] SMITH, REGINALD DONOVAN, US
[72] LIU, ZHEN, US
[72] ZHANG, CHENGKUN, US
[72] KESKAR, VANDANA, US
[72] DAVIS, BRIAN MICHAEL, US
[72] SHAIKH, KASHAN, US
[71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
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[30] US (15/893,336) 2018-02-09
[30] US (62/736,115) 2018-09-25
[30] US (62/736,125) 2018-09-25
[30] US (62/736,130) 2018-09-25
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[51] **Int.Cl. F16K 47/02 (2006.01) E03B 9/02 (2006.01) F16K 3/30 (2006.01) F16K 31/60 (2006.01)**
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[54] **WATER HAMMER PREVENTION VALVE AND METHOD**
[54] **VANNE ANTI COUP DE BELIER ET PROCEDE**
[72] CHENEY, DALE S., US
[72] NICHOLS, STEVEN L., US
[71] CHENEY, DALE S., US
[71] NICHOLS, STEVEN L., US
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[54] **ACTIVATION-INDUCED TISSUE-EFFECTOR CELLS SUITABLE FOR CELL THERAPY AND EXTRACELLUAR VESICLES DERIVED THEREFROM**
[54] **CELLULES EFFECTRICES TISSULAIRES INDUITES PAR ACTIVATION APPROPRIEES POUR UNE THERAPIE CELLULAIRE ET VESICULES EXTRACELLULAIRES DERIVEES DE CELLES-CI**
[72] IBRAHIM, AHMED G., US
[72] RODRIGUEZ-BORLADO, LUIS, US
[72] LI, CHANG, US
[72] MOSELEY, JENNIFER J., US
[71] CAPRICOR, INC., US
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[54] **MICROBIAL COMPOSITIONS FOR THE PREVENTION OR REDUCTION OF GROWTH OF FUNGAL PATHOGENS ON PLANTS**
[54] **COMPOSITIONS MICROBIENNES POUR LA PREVENTION OU LA REDUCTION DE LA CROISSANCE D'AGENTS PATHOGENES FONGIQUES SUR DES PLANTES**
[72] MCBRIDE, ROBERT, US
[72] HUNT, KAREN, US
[72] BACHER, JAMIE, US
[72] GARCIA, VERONICA, US
[71] BOOST BIOMES, INC., US
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[54] **FC BINDING PROTEINS WITH CYSTEINE IN THE C-TERMINAL HELICAL REGION**
[54] **PROTEINES DE LIAISON FC AYANT LA CYSTEINE DANS LA REGION HELICOIDALE C-TERMINALE**
[72] FIEDLER, ERIK, DE
[72] HAUPTS, ULRICH, DE
[71] REPLIGEN CORPORATION, US
[85] 2020-07-29
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[54] **PROCESS FOR CREATING SOLID DISPERSIONS**
[54] **PROCEDE DE CREATION DE DISPERSIONS SOLIDES**
[72] MENNING, MARK MICHAEL, US
[71] MENNING, MARK MICHAEL, US
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[25] EN
[54] **IMPROVED METHODS FOR HYBRID CORN SEED PRODUCTION**
[54] **PROCEDES AMELIORES DE PRODUCTION DE GRAINES DE MAIS HYBRIDES**
[72] CANNON, PAUL, US
[72] CARGILL, EDWARD J., US
[72] FORESMAN, CHARLES T., US
[72] HALL, MICHAEL A., US
[72] JOHNSON, SCOTT C., US
[72] MIKLOS, JOHN A., US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **ANTI-CD73 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD73 ET UTILISATIONS ASSOCIEES**
[72] WANG, MINGHAN, US
[72] ZOU, HUI, US
[72] PEI, FEN, US
[71] PHANES THERAPEUTICS, INC., US
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[54] **BUILDING MATERIALS COMPRISING DIGESTATE**
[54] **MATERIAUX DE CONSTRUCTION COMPRENANT UN DIGESTAT**
[72] SORENSEN, HANNE RISBJERG, DK
[72] NORSKOV, LINDA KAARE, DK
[71] RENESCIENCE A/S, DK
[85] 2020-07-29
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[54] **OSIMERTINIB FOR USE IN THE TREATMENT OF NON-SMALL CELL LUNG CANCER**
[54] **OSIMERTINIB DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU CANCER DU POUMON NON A PETITES CELLULES**
[72] NASH, ANTHONY FRANCIS PATRICK, GB
[71] ASTRAZENECA AB, SE
[85] 2020-07-29
[86] 2019-02-11 (PCT/EP2019/053311)
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[54] **RATCHET LOAD BINDER WITH TWO HANDLES**
[54] **TENDEUR A CHAINE A ROCHET AYANT DEUX POIGNEES**
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[71] MARTENS, KOEN, BE
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR INCREASING HARVESTABLE YIELD VIA EDITING GA20 OXIDASE GENES TO GENERATE SHORT STATURE PLANTS**
[54] **PROCEDES ET COMPOSITIONS POUR AUGMENTER LE RENDEMENT RECOLTABLE PAR L'EDITION DE GENES DE GA20 OXYDASE POUR GENERER DES PLANTES DE PETITE TAILLE**
[72] MANJUNATH, SIVALINGANNA, US
[72] RYMARQUIS, LINDA A., US
[72] SLEWINSKI, THOMAS L., US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **INKJET PRINTING METHODS FOR DECORATIVE LAMINATE PANELS**
[54] **PROCEDES D'IMPRESSION A JET D'ENCRE POUR PANNEAUX STRATIFIES DECORATIFS**
[72] LAMPROYE, RUDI, BE
[72] FRINGS, PETER, BE
[71] AGFA NV, BE
[85] 2020-07-30
[86] 2019-01-15 (PCT/EP2019/050910)
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[25] EN
[54] **MANGANESE OXIDE COMPOSITION AND METHOD FOR PREPARING MANGANESE OXIDE COMPOSITION**
[54] **COMPOSITION D'OXYDE DE MANGANESE ET PROCEDE DE PREPARATION DE COMPOSITION D'OXYDE DE MANGANESE**
[72] WILKINSON, DAVID, CA
[72] BONAKDARPOUR, ARMAN, CA
[72] STOSEVSKI, IVAN, CA
[71] OCTOPUS TECHNOLOGIES INC., CA
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[25] EN
[54] **SYSTEM AND METHOD FOR CAPTURING OMNI-STEREO VIDEOS USING MULTI-SENSORS**
[54] **SYSTEME ET PROCEDE PERMETTANT DE CAPTURER DES VIDEOS OMNISTEREO A L'AIDE DE MULTIPLES CAPTEURS**
[72] AGGARWAL, RAJAT, IN
[72] NAMBOODIRI, ANOOP M., IN
[71] DREAMVU, INC., US
[85] 2020-07-29
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[54] **METHODS AND COMPOSITIONS FOR INCREASING HARVESTABLE YIELD VIA EDITING GA20 OXIDASE GENES TO GENERATE SHORT STATURE PLANTS**
[54] **PROCEDES ET COMPOSITIONS POUR ACCROITRE LE RENDEMENT DES RECOLTES PAR EDITION DES GENES DE LA GA20-OXYDASE ET GENERER DES PLANTS DE PETITE TAILLE**
[72] MANJUNATH, SIVALINGANNA, US
[72] RYMARQUIS, LINDA A., US
[72] SLEWINSKI, THOMAS L., US
[71] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **METHODS FOR MANUFACTURING DECORATIVE LAMINATE PANELS**
[54] **PROCEDES DE FABRICATION DE PANNEAUX STRATIFIES DECORATIFS**
[72] FRINGS, PETER, BE
[72] LAMPROYE, RUDI, BE
[71] AGFA NV, BE
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[87] (WO2019/149519)
[30] EP (18154421.4) 2018-01-31

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[51] **Int.Cl. A61B 17/068 (2006.01)**
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[54] **SURGICAL STAPLING INSTRUMENT**
[54] **INSTRUMENT D'AGRAFAGE CHIRURGICAL**
[72] DING, MIMI, CN
[72] ZHAN, HUI, CN
[71] COVIDIEN LP, US
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[86] 2018-03-02 (PCT/CN2018/077890)
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[25] EN
[54] **ADJUSTABLE POTTED INSERT**
[54] **ELEMENT RAPPORTE ENROBE AJUSTABLE**
[72] CALCAGNI, MARIO, CA
[71] MILLECENTO DESIGNS INC., CA
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[30] US (62/623,613) 2018-01-30

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[51] **Int.Cl. F16J 15/34 (2006.01)**
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[54] **SLIP RING SEAL ARRANGEMENT WITH SPLIT SHAFT SLEEVE**
[54] **ENSEMBLE JOINT D'ETANCHEITE A BAGUES DE GLISSEMENT POURVU D'UN MANCHON D'ARBRE DIVISE**
[72] RICHTER, STEFAN, DE
[72] MATUSCHEK, ALFRED, DE
[72] STEIGENBERGER, HANS, DE
[71] EAGLEBURGMANN GERMANY GMBH & CO. KG, DE
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[30] DE (10 2018 202 681.5) 2018-02-22

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[54] **INFORMATION TRANSMISSION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS**
[72] BI, FENG, CN
[72] LIU, XING, CN
[72] HAO, PENG, CN
[72] HE, HAIGANG, CN
[72] LIU, WENHAO, CN
[71] ZTE CORPORATION, CN
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[86] 2018-11-06 (PCT/CN2018/114195)
[87] (WO2019/148920)
[30] CN (201810093991.0) 2018-01-31

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[51] **Int.Cl. A61K 31/704 (2006.01) A61P 31/04 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **THE USE OF PULSATILLA CHINENSIS EXTRACT IN THE PREPARATION OF DRUGS FOR TREATMENT OF VIRAL AND/OR BACTERIAL DISEASES**
[54] **APPLICATIONS D'UN EXTRAIT DE PULSATILLA CHINENSIS DANS LA PREPARATION D'UN MEDICAMENT POUR LE TRAITEMENT DE MALADIES VIRALES ET/OU BACTERIENNES**
[72] YANG, SHILIN, CN
[72] SU, ZHETONG, CN
[71] SICHUAN INLU WEITE PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. H04S 3/00 (2006.01)**
[25] EN
[54] **APPARATUSES FOR CONVERTING AN OBJECT POSITION OF AN AUDIO OBJECT, AUDIO STREAM PROVIDER, AUDIO CONTENT PRODUCTION SYSTEM, AUDIO PLAYBACK APPARATUS, METHODS AND COMPUTER PROGRAMS**
[54] **APPAREILS DE CONVERSION D'UNE POSITION D'OBJET D'UN OBJET AUDIO, FOURNISSEUR DE FLUX AUDIO, SYSTEME DE PRODUCTION DE CONTENU AUDIO, APPAREIL DE LECTURE AUDIO, PROCEDES ET PROGRAMMES INFORMATIQUES**
[72] WUBBOLT, OLIVER, DE
[72] KUNTZ, ACHIM, DE
[72] ERTEL, CHRISTIAN, DE
[72] DICK, SASCHA, DE
[72] NAGEL, FREDERIK, DE
[72] NEUSINGER, MATTHIAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[30] EP (18154307.5) 2018-01-30
[30] EP (PCT/EP2018/025211) 2018-08-08

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[51] **Int.Cl. C07K 14/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ACTIVATABLE ANTIBODIES AND METHODS OF MAKING AND USING THEREOF**
[54] **ANTICORPS ACTIVABLES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LUO, PETER PEIZHI, CN
[72] DU, FANGYONG, CN
[71] ADAGENE INC., KY
[85] 2020-07-29
[86] 2019-02-02 (PCT/CN2019/074581)
[87] (WO2019/149282)
[30] CN (PCT/CN2018/075065) 2018-02-02

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[51] **Int.Cl. A61M 16/00 (2006.01) A61N 2/00 (2006.01) A61N 2/02 (2006.01) A61H 31/00 (2006.01) A61M 16/04 (2006.01) A61N 1/04 (2006.01) A61N 1/36 (2006.01) A61N 1/40 (2006.01) A61N 7/00 (2006.01)**
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[54] **VENTILATION MACHINE AND METHOD OF VENTILATING A PATIENT**
[54] **MACHINE DE VENTILATION ET PROCEDE DE VENTILATION D'UN PATIENT**
[72] PARGGER, HANS, CH
[72] MULLER-BRUHN, RONJA, CH
[71] STIMIT AG, CH
[85] 2020-07-30
[86] 2019-02-06 (PCT/EP2019/052880)
[87] (WO2019/154839)
[30] CH (00135/18) 2018-02-06
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[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 47/00 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PREVENTING, REDUCING OR ERADICATING TOXICITY CAUSED BY ACETAMINOPHEN (APAP)**
[54] **PROCEDES ET COMPOSITIONS POUR PREVENIR, REDUIRE OU ERADIQUER LA TOXICITE PROVOQUEE PAR L'ACETAMINOPHENE (APAP)**
[72] HU, OLIVER YOA-PU, CN
[72] SHIH, TUNG-YUAN, CN
[72] HSIONG, CHENG-HUEI, CN
[72] HO, HSIN-TIEN, CN
[72] CHU, KAI-MIN, CN
[71] SINEW PHARMA INC., CN
[85] 2020-07-30
[86] 2019-02-14 (PCT/CN2019/075052)
[87] (WO2019/158105)
[30] US (62/630,489) 2018-02-14

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[51] **Int.Cl. H04L 1/00 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **DATA COMMUNICATION PROCESSING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE COMMUNICATION DE DONNEES**
[72] LI, LIGUANG, CN
[72] XU, JUN, CN
[72] ZUO, ZHISONG, CN
[72] WU, HAO, CN
[72] XIN, YU, CN
[72] BIAN, LUANJIAN, CN
[72] XU, JIN, CN
[71] ZTE CORPORATION, CN
[85] 2020-07-30
[86] 2019-02-12 (PCT/CN2019/074813)
[87] (WO2019/154422)
[30] CN (201810147596.6) 2018-02-12

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[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 34/14 (2006.01)**
[25] EN
[54] **DOWNHOLE SYSTEM WITH SLIDING SLEEVE**
[54] **SYSTEME DE FOND DE TROU AVEC MANCHON COULISSANT**
[72] VASQUES, RICARDO REVES, CH
[71] WELLTEC OILFIELD SOLUTIONS AG, CH
[85] 2020-07-30
[86] 2019-02-07 (PCT/EP2019/053062)
[87] (WO2019/154940)
[30] EP (18155899.0) 2018-02-08

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[25] EN
[54] **ANTIBODIES SPECIFIC FOR CD70 AND THEIR USES**
[54] **ANTICORPS SPECIFIQUES A CD70 ET LEURS UTILISATIONS**
[72] PANOWSKI, SILER, US
[72] SAI, TAO, US
[72] SASU, BARBRA JOHNSON, US
[72] SRIVATSA SRINIVASAN, SURABHI, US
[72] VAN BLARCOM, THOMAS JOHN, US
[71] PFIZER INC., US
[85] 2020-07-28
[86] 2019-01-31 (PCT/US2019/016139)
[87] (WO2019/152705)
[30] US (62/625,019) 2018-02-01
[30] US (62/641,873) 2018-03-12

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[13] A1
[51] **Int.Cl. A61L 27/32 (2006.01) A61L 27/54 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **ZIRCONIUM AND TITANIUM PHOSPHATE COATINGS FOR IMPLANTS AND OTHER SUBSTRATES**
[54] **REVETEMENTS DE PHOSPHATE DE ZIRCONIUM ET DE TITANE POUR IMPLANTS ET AUTRES SUBSTRATS**
[72] KJELLIN, PER, SE
[72] CURRIE, FREDRIK, SE
[72] HANDA, PAUL, SE
[72] VIKINGSSON, LINE, SE
[71] PROMIMIC AB, SE
[85] 2020-07-30
[86] 2019-02-08 (PCT/EP2019/053200)
[87] (WO2019/155021)
[30] GB (1802184.0) 2018-02-09

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[13] A1
[51] **Int.Cl. H02G 3/06 (2006.01) H02G 15/02 (2006.01)**
[25] FR
[54] **ELECTRICAL CONNECTION GRIP COMPRISING A CABLE GLAND DEVICE**
[54] **POIGNEE DE CONNEXION ELECTRIQUE COMPRENANT UN DISPOSITIF DE PRESSE ETOUPE**
[72] HOUIR ALAMI, ABDEL MOUNIM, FR
[71] MARECHAL ELECTRIC, FR
[85] 2020-07-30
[86] 2019-02-12 (PCT/FR2019/050298)
[87] (WO2019/158847)
[30] FR (1851300) 2018-02-15

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[13] A1
[51] **Int.Cl. F03B 13/00 (2006.01) E02B 9/08 (2006.01) F03B 3/00 (2006.01) F03B 13/26 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING ELECTRICAL ENERGY**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'ENERGIE ELECTRIQUE**
[72] FERGUSON, FREDERICK D., CA
[71] WATEROTOR ENERGY TECHNOLOGIES INC., CA
[85] 2020-07-30
[86] 2019-02-01 (PCT/CA2019/050125)
[87] (WO2019/148285)
[30] CA (2993857) 2018-02-02

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[51] **Int.Cl. C04B 28/02 (2006.01) B28C 5/40 (2006.01) C04B 14/06 (2006.01) C04B 16/02 (2006.01)**
[25] EN
[54] **DESERT SAND AND FILAMENTOUS CELLULOSE IN CONCRETE AND MORTAR**
[54] **SABLE DU DESERT ET CELLULOSE FILAMENTEUSE DANS DU BETON ET DU MORTIER**
[72] OLIVIER, ERIC, CA
[72] CAI, XIAOLIN, CA
[72] LAROUCHE, CAROLE, CA
[72] WANG, XIAOYU, CA
[71] FPINNOVATIONS, CA
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[30] US (62/629,851) 2018-02-13

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[51] **Int.Cl. A61M 1/28 (2006.01)**
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[54] **APPARATUS AND METHOD FOR DETERMINING THE STATIC PATIENT PRESSURE**
[54] **DISPOSITIF ET PROCEDE DE DETERMINATION DE LA PRESSION STATIQUE D'UN PATIENT**
[72] HOCHREIN, TORSTEN, DE
[72] HEDMANN, FRANK, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
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[86] 2019-01-24 (PCT/EP2019/051798)
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[30] DE (10 2018 102 151.8) 2018-01-31

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[13] A1
[51] **Int.Cl. C07C 303/06 (2006.01)**
[25] EN
[54] **PROCESS FOR THE MANUFACTURING OF ALKANESULFONIC ACIDS**
[54] **PROCEDE DE FABRICATION D'ACIDES ALCANESULFONIQUES**
[72] BORGMEIER, FRIEDER, DE
[72] SPIELMANN, JAN, DE
[72] ZEILINGER, MICHAEL, DE
[72] WORTMANN, JUERGEN, DE
[71] BASF SE, DE
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[25] EN
[54] **USE OF A POSTBIOTIC-BASED COMPOSITION FOR THE TREATMENT OF SKIN DISEASES**
[54] **UTILISATION D'UNE COMPOSITION A BASE DE POSTBIOTIQUE POUR LE TRAITEMENT DE MALADIES DE LA PEAU**
[72] RESCIGNO, MARIA, IT
[72] PENNA, GIUSEPPE, IT
[72] ALGIERI, FRANCESCA, IT
[71] POSTBIOTICA S.R.L., IT
[85] 2020-07-30
[86] 2019-02-04 (PCT/EP2019/052665)
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[30] IT (102018000002369) 2018-02-02

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[51] **Int.Cl. A61K 35/747 (2015.01) A61P 37/00 (2006.01)**
[25] EN
[54] **POSTBIOTIC-BASED COMPOSITION FOR THE MODULATION OF IMMUNE SYSTEM ACTIVATION AND PROTECTION OF MUCOSAL BARRIERS**
[54] **COMPOSITION A BASE DE POSTBIOTIQUES POUR LA MODULATION DE L'ACTIVATION DU SYSTEME IMMUNITAIRE ET LA PROTECTION DES BARRIERES MUQUEUSES**
[72] RESCIGNO, MARIA, IT
[72] PENNA, GIUSEPPE, IT
[72] ALGIERI, FRANCESCA, IT
[71] POSTBIOTICA S.R.L., IT
[85] 2020-07-30
[86] 2019-02-04 (PCT/EP2019/052669)
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[30] IT (102018000002370) 2018-02-02

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[51] **Int.Cl. A47J 31/40 (2006.01) A47J 31/44 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING A BREWED BEVERAGE**
[54] **DISPOSITIF ET PROCEDE DE PREPARATION D'UNE BOISSON INFUSEE**
[72] PAHNKE, JAN, DE
[71] MELITTA SINGLE PORTIONS GMBH & CO. KG, DE
[85] 2020-07-30
[86] 2019-02-05 (PCT/EP2019/052737)
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[51] **Int.Cl. A61N 2/02 (2006.01) A61H 31/00 (2006.01) A61N 2/00 (2006.01) A61M 16/00 (2006.01) A61M 16/04 (2006.01) A61N 1/36 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **ELECTRO-MAGNETIC INDUCTION DEVICE AND METHOD OF ACTIVATING A TARGET TISSUE**
[54] **DISPOSITIF D'INDUCTION ELECTROMAGNETIQUE ET PROCEDE D'ACTIVATION D'UN TISSU CIBLE**
[72] MULLER-BRUHN, RONJA, CH
[71] STIMIT AG, CH
[85] 2020-07-30
[86] 2019-02-06 (PCT/EP2019/052876)
[87] (WO2019/154837)
[30] CH (00135/18) 2018-02-06
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[51] **Int.Cl. C12M 1/42 (2006.01) C12M 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BIOPROCESSING**
[54] **SYSTEMES ET PROCEDES DE BIOTRANSFORMATION**
[72] GRIFFIN, WESTON BLAINE, US
[72] CORWIN, ALEX D, US
[72] ZHANG, XIAOHUA, US
[72] SMITH, REGINALD DONOVAN, US
[72] LIU, ZHEN, US
[72] ZHANG, CHENGKUN, US
[72] KESKAR, VANDANA, US
[72] DAVIS, BRIAN MICHAEL, US
[72] SHAIKH, KASHAN, US
[71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
[85] 2020-07-30
[86] 2019-02-08 (PCT/EP2019/053205)
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[30] US (15/893,336) 2018-02-09
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[30] US (62/736,125) 2018-09-25
[30] US (62/736,130) 2018-09-25
[30] US (62/736,120) 2018-09-25
[30] US (62/736,144) 2018-09-25
[30] US (62/736,154) 2018-09-25
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[25] EN
[54] **BIOPROCESSING METHODS FOR CELL THERAPY**
[54] **METHODES DE BIOTRAITEMENT POUR THERAPIE CELLULAIRE**
[72] GRIFFIN, WESTON BLAINE, US
[72] CORWIN, ALEX D, US
[72] ZHANG, XIAOHUA, US
[72] SMITH, REGINALD DONOVAN, US
[72] LIU, ZHEN, US
[72] ZHANG, CHENGKUN, US
[72] KESKAR, VANDANA, US
[72] DAVIS, BRIAN MICHAEL, US
[72] SHAIKH, KASHAN, US
[71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
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[87] (WO2019/155028)
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[30] US (62/736,125) 2018-09-25
[30] US (62/736,130) 2018-09-25
[30] US (62/736,120) 2018-09-25
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[51] **Int.Cl. G02B 1/115 (2015.01) G02C 7/10 (2006.01)**
[25] EN
[54] **MULTILAYER LENS FOR EYEGLASSES**
[54] **LENTILLE MULTICOUCHE POUR LUNETTES**
[72] DEGLI ANTONINI, GIORGIO, IT
[71] LUXOTTICA S.R.L., IT
[85] 2020-07-29
[86] 2019-02-13 (PCT/EP2019/053568)
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[30] IT (102018000002744) 2018-02-16

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[51] **Int.Cl. C10L 1/06 (2006.01) C07C 1/20 (2006.01) C10G 3/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR THE PRODUCTION OF A SYNTHETIC GASOLINE**
[54] **PROCEDE ET INSTALLATION DE PRODUCTION D'UNE ESSENCE SYNTHETIQUE**
[72] ENGELMANN, JOACHIM, DE
[72] ENGELMANN, JORG, DE
[72] SEIDEL, PETRA, DE
[71] CHEMIEANLAGENBAU CHEMNITZ GMBH, DE
[85] 2020-07-29
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[13] A1
[51] **Int.Cl. A61B 3/028 (2006.01) A61B 3/032 (2006.01)**
[25] EN
[54] **METHOD FOR ALTERING THE VISUAL PERFORMANCE OF A SUBJECT, METHOD FOR MEASURING THE SPHERICAL REFRACTION CORRECTION NEED OF A SUBJECT AND OPTICAL SYSTEM FOR IMPLEMENTING THESE METHODS**
[54] **PROCEDE D'ALTERATION DE LA PERFORMANCE VISUELLE D'UN SUJET, PROCEDE DE MESURE DU BESOIN DE CORRECTION DE REFRACTION SPHERIQUE D'UN SUJET ET SYSTEME OPTIQUE DE MISE EN □UVRE DE CES PROCEDES**
[72] LONGO, ADELE, FR
[72] VINCENT, MARC, FR
[72] STARYNKEVITCH, HELENE, FR
[71] ESSILOR INTERNATIONAL, FR
[85] 2020-07-29
[86] 2019-02-22 (PCT/EP2019/054498)
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[30] EP (18305195.2) 2018-02-23

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[51] **Int.Cl. A01N 37/02 (2006.01) A01N 37/12 (2006.01) A01P 13/00 (2006.01) C07C 69/28 (2006.01) C08G 65/332 (2006.01)**
[25] EN
[54] **FATTY ACID DERIVATIVES FOR USE AS HERBICIDES**
[54] **DERIVES D'ACIDE GRAS DESTINES A ETRE UTILISES COMME HERBICIDES**
[72] BAUR, PETER, DE
[72] BAUER, MARTIN, DE
[72] HOVELMANN, FELIX, DE
[72] BODELON, LUCIANA, DE
[72] CAMPOS CUEVAS, JAVIER, DE
[72] GIESSLER, STEPHANIE, DE
[71] CLARIANT INTERNATIONAL LTD, CH
[85] 2020-07-29
[86] 2019-02-25 (PCT/EP2019/054534)
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[30] EP (18158643.9) 2018-02-26

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[51] **Int.Cl. C21D 1/74 (2006.01) C21D 1/06 (2006.01) C21D 1/76 (2006.01) C21D 6/00 (2006.01) C21D 6/04 (2006.01) C21D 9/00 (2006.01) C22C 38/44 (2006.01) C23C 8/26 (2006.01) C23C 8/32 (2006.01) F16B 25/00 (2006.01)**
[25] EN
[54] **BIMETALLIC SCREW WITH MARTENSITICALLY HARDENABLE STEEL**
[54] **VIS BI-METAL EN ACIER MARTENSITIQUE DURCISSABLE**
[72] POL, FREDERIC, AT
[72] SCHNEIDER, ROLAND, AT
[72] BISCHOF, MICHAEL, AT
[71] HILTI AKTIENGESELLSCHAFT, LI
[85] 2020-07-29
[86] 2019-02-28 (PCT/EP2019/054951)
[87] (WO2019/170507)
[30] EP (18160618.7) 2018-03-08

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[13] A1
[51] **Int.Cl. A23G 9/28 (2006.01)**
[25] EN
[54] **DEVICE FOR DISPENSING FROZEN CONFECTIONS**
[54] **DISPOSITIF POUR DISTRIBUER DES CONFISERIES CONGELEES**
[72] BUTER, RENE JOACHIM, NL
[72] DIKS-WARMERDAM, LEONIE MARTINE, NL
[72] KRIEG, JOHANNES, NL
[71] BASF SE, DE
[85] 2020-07-29
[86] 2019-02-28 (PCT/EP2019/055066)
[87] (WO2019/185295)
[30] EP (18165172.0) 2018-03-29

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[51] **Int.Cl. C12N 15/63 (2006.01) C12P 9/00 (2006.01)**
[25] EN
[54] **METABOLIC PATHWAYS WITH INCREASED CARBON YIELD**
[54] **VOIES METABOLIQUES AVEC UN RENDEMENT EN CARBONE ACCRU**
[72] GODINA, ALEXEI, FR
[71] TOTAL RAFFINAGE CHIMIE, FR
[85] 2020-07-29
[86] 2019-03-01 (PCT/EP2019/055194)
[87] (WO2019/166647)
[30] EP (18290018.3) 2018-03-01

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[51] **Int.Cl. A61B 18/04 (2006.01) A61B 34/30 (2016.01) A61M 25/01 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR TREATING URINARY TRACT INFECTIONS**
[54] **APPAREIL DE TRAITEMENT D'INFECTIONS DES VOIES URINAIRES**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] BRYANT, MORGAN, GB
[72] TURNER, LOUIS, GB
[72] SWAIN, SANDRA, GB
[72] EBBUTT, JULIAN MARK, GB
[72] BISHOP, JOHN, GB
[72] CRAVEN, RICHARD, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2020-07-29
[86] 2019-04-30 (PCT/EP2019/061056)
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[30] GB (1807114.2) 2018-05-01

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[51] **Int.Cl. H01F 6/06 (2006.01) G21B 1/05 (2006.01) H01B 12/00 (2006.01)**
[25] EN
[54] **CENTRAL COLUMN OF TOROIDAL FIELD COIL**
[54] **COLONNE CENTRALE DE BOBINE DE CHAMP TOROIDAL**
[72] SLADE, ROBERT, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2020-07-29
[86] 2019-01-30 (PCT/GB2019/050248)
[87] (WO2019/150098)
[30] GB (1801599.0) 2018-01-31

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[51] **Int.Cl. C25C 3/34 (2006.01) C25B 15/06 (2006.01) C25C 3/36 (2006.01) C25C 7/00 (2006.01) G21C 19/48 (2006.01)**
[25] EN
[54] **CONTINUOUS REPROCESSING OF SPENT NUCLEAR FUEL**
[54] **RETRAITEMENT EN CONTINU DE COMBUSTIBLE NUCLEAIRE EPUISE**
[72] SCOTT, IAN RICHARD, GB
[71] SCOTT, IAN RICHARD, GB
[85] 2020-07-29
[86] 2019-01-30 (PCT/GB2019/050249)
[87] (WO2019/150099)
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[51] **Int.Cl. H01F 6/02 (2006.01) G21K 1/093 (2006.01) H01F 6/06 (2006.01) H01F 27/32 (2006.01) G21B 1/05 (2006.01)**
[25] EN
[54] **PARTIALLY-INSULATED HTS COILS**
[54] **BOBINES HTS PARTIELLEMENT ISOLEES**
[72] SLADE, ROBERT, GB
[72] KRUIP, MARCEL, GB
[72] VAN NUGTEREN, BAS, GB
[72] BRITTLES, GREG, GB
[72] RUIZ DE VILLA VALDES, ENRIQUE, GB
[72] BATEMAN, ROD, GB
[72] ALUN, DOWN, GB
[71] TOKAMAK ENERGY LTD, GB
[85] 2020-07-29
[86] 2019-01-31 (PCT/GB2019/050275)
[87] (WO2019/150123)
[30] GB (1801621.2) 2018-02-01
[30] GB (1812119.4) 2018-07-25
[30] GB (1818817.7) 2018-11-19

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[51] **Int.Cl. A61K 38/04 (2006.01) A61K 8/64 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01) A61Q 19/08 (2006.01) C07K 4/12 (2006.01) C07K 5/11 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **PEPTIDES AND COMPOSITIONS FOR USE IN COSMETICS AND MEDICINE**
[54] **PEPTIDES ET COMPOSITIONS POUR UTILISATION EN COSMETIQUE ET MEDECINE**
[72] GRAU-CAMPISTANY, ARIADNA, ES
[72] SILVIA, PASTOR, ES
[72] CARULLA, PATRICIA, ES
[72] ESCUDERO, JUAN CARLOS, ES
[72] BORAS, JULIA A., PL
[72] DEVESA GINER, ISABEL, ES
[72] FERNANDEZ BALLESTER, GREGORIO, ES
[71] LIPOTRUE, S.L., ES
[85] 2020-07-30
[86] 2019-02-22 (PCT/EP2019/054479)
[87] (WO2019/166347)
[30] EP (18382118.0) 2018-02-27
[30] EP (18382126.3) 2018-02-28

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[13] A1
[51] **Int.Cl. G06F 3/044 (2006.01) G03B 21/56 (2006.01)**
[25] EN
[54] **CAPACITIVE TOUCH PANEL HAVING DIFFUSER AND PATTERNED ELECTRODE**
[54] **ECRAN TACTILE CAPACITIF AYANT UN DIFFUSEUR ET UNE ELECTRODE A MOTIFS**
[72] DEN BOER, WILLEM, US
[72] BLUSH, JASON, US
[72] AKKASHIAN, ERIC, US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-07-30
[86] 2019-02-08 (PCT/IB2019/051034)
[87] (WO2019/155418)
[30] US (15/891,494) 2018-02-08

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61P 17/04 (2006.01)**
[25] EN
[54] **NEMOLIZUMAB IN THE TREATMENT OF ATOPIC DERMATITIS WITH MODERATE TO SEVERE EXCORIATION**
[54] **LE NEMOLIZUMAB DANS LE TRAITEMENT DE LA DERMATITE ATOPIQUE A EXCORIATION MODEREE A GRAVE**
[72] KERROUCHE, NABIL, FR
[72] HIROKAWA, KEIKO, JP
[72] MIHARA, RYOSUKE, JP
[71] NESTLE SKIN HEALTH SA, CH
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
[85] 2020-07-30
[86] 2019-02-08 (PCT/IB2019/051051)
[87] (WO2019/155427)
[30] US (62/628,714) 2018-02-09

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[51] **Int.Cl. C07D 405/14 (2006.01) A61K 31/506 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07D 403/04 (2006.01) C07D 413/04 (2006.01)**
[25] EN
[54] **HETEROARYL COMPOUNDS, PHARMACEUTICAL COMPOSITIONS THEREOF, AND THEIR THERAPEUTIC USE**
[54] **COMPOSES HETEROARYLE, COMPOSITIONS PHARMACEUTIQUES DE CEUX-CI, ET LEUR UTILISATION THERAPEUTIQUE**
[72] SNIR-ALKALAY, IRIT, IL
[72] VACCA, JOSEPH, US
[72] BEN-NERIAH, YINON, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[85] 2020-07-30
[86] 2019-02-07 (PCT/IL2019/050151)
[87] (WO2019/155468)
[30] US (62/627,908) 2018-02-08
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[13] A1
[51] **Int.Cl. B21F 1/02 (2006.01) B29C 65/56 (2006.01) E04F 15/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PROFILED STRIP HAVING IMPROVED CONNECTING MEANS**
[54] **PROCEDE DE FABRICATION D'UNE BAGUETTE PROFILEE PRESENTANT DES MOYENS DE LIAISON AMELIORES**
[72] MICLO, THIERRY, FR
[71] INOVAME, FR
[71] KREAFIN GROUP SA, LU
[85] 2020-07-30
[86] 2019-02-25 (PCT/IB2019/051494)
[87] (WO2019/175695)
[30] BE (BE-2018/5173) 2018-03-16

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[13] A1
[51] **Int.Cl. A61M 16/16 (2006.01) A61M 16/00 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **ACTIVE HUMIDIFIER AND THERMOREGULATED CIRCUIT INTEGRATING SUCH ACTIVE HUMIDIFIER**
[54] **HUMIDIFICATEUR ACTIF ET CIRCUIT THERMOREGULE INTEGRANT UN TEL HUMIDIFICATEUR ACTIF**
[72] BORSARI, MAURIZIO, IT
[71] DIMAR S.R.L., IT
[85] 2020-07-30
[86] 2019-05-21 (PCT/IB2019/054174)
[87] (WO2019/224706)
[30] IT (102018000005586) 2018-05-22

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[13] A1
[51] **Int.Cl. A47L 1/02 (2006.01) E04G 3/32 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **DEVICE AND METHOD FOR USE IN CLEANING A FACADE**
[54] **DISPOSITIF ET PROCEDE DESTINES A ETRE UTILISES DANS LE NETTOYAGE D'UNE FACADE**
[72] ABADI, AVI, IL
[72] SCHWARCZ, YARON, IL
[71] SKYLINE ROBOTICS LTD., IL
[85] 2020-07-30
[86] 2019-02-07 (PCT/IL2019/050157)
[87] (WO2019/155473)
[30] US (62/627,785) 2018-02-08

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[13] A1
[51] **Int.Cl. F17C 9/02 (2006.01)**
[25] EN
[54] **LIQUEFIED FLUID SUPPLY SYSTEM AND LIQUEFIED FLUID-SPRAYING APPARATUS**
[54] **SYSTEME D'ALIMENTATION EN FLUIDE LIQUEFIE ET APPAREIL DE PULVERISATION DE FLUIDE LIQUEFIE**
[72] MAENO, JUN, JP
[72] SADAKI, AKIRA, JP
[72] GOHDA, LEONA, JP
[72] KAWAHARA, SHINYA, JP
[71] IHI CORPORATION, JP
[85] 2020-07-30
[86] 2019-01-29 (PCT/JP2019/002898)
[87] (WO2019/151216)
[30] JP (2018-015682) 2018-01-31

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[51] **Int.Cl. A24D 1/12 (2006.01) A24D 1/00 (2020.01) A24F 13/02 (2006.01)**
[25] EN
[54] **AEROSOL GENERATION SYSTEM**
[54] **SYSTEME DE GENERATION D'AEROSOL**
[72] JANG, YONG JOON, KR
[72] GO, GYOUNG MIN, KR
[72] SEO, JANG WON, KR
[72] JUNG, JIN CHUL, KR
[72] JEONG, JONG SEONG, KR
[72] JANG, CHUL HO, KR
[71] KT&G CORPORATION, KR
[85] 2020-07-30
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[30] KR (10-2018-0012459) 2018-01-31

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[13] A1
[51] **Int.Cl. A61B 17/29 (2006.01)**
[25] EN
[54] **SURGICAL INSTRUMENT WITH MECHANICALLY OPERABLE LEVER**
[54] **INSTRUMENT CHIRURGICAL AVEC LEVIER ACTIONNABLE MECANIQUEMENT**
[72] SCHELTES, JULIEN SERGE, NL
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[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
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[71] GIVEWITH LLC, US
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[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
[72] POLIZZOTTO, PAUL A., US
[71] GIVEWITH LLC, US
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[30] US (62/625,080) 2018-02-01
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[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
[72] POLIZZOTTO, PAUL A., US
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[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
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[71] GIVEWITH LLC, US
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[54] **SUPPORT DE CAPTEUR**
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[72] ALMIRALL, JORGE CARLOS, US
[72] HAMMOND, MICHAEL PAUL, US
[72] RYCROFT, ALEXANDER NEAL, US
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[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
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[71] GIVEWITH LLC, US
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[54] **ESTIMATING PHASE FRACTION/DISTRIBUTION WITH DIELECTRIC CONTRAST ANALYSIS**
[54] **ESTIMATION DE FRACTION/DISTRIBUTION DE PHASE AVEC ANALYSE DE CONTRASTE DIELECTRIQUE**
[72] FENG, LANG, US
[72] NATU, STEFAN S., US
[72] VALENZA, JOHN J., II, US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **CAR SPECIFIQUES DE LA FLUORESCEINE PRESENTANT UNE FONCTION OPTIMALE DE LYMPHOCYTE T CONTRE DES TUMEURS MARQUEES PAR FL-PLE**
[72] JENSEN, MICHAEL C., US
[72] MATTHAEI, JAMES F., US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
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[54] **SYST?MES ET PROCEDES DE TEST DE NEUTRALITE DU RESEAU**
[72] HWANG, CHAN-SOO, US
[72] CIOFFI, JOHN M., US
[72] CIL, TUNCAY, US
[71] ASSIA SPE, LLC, US
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[54] **SYSTEMS AND METHODS FOR VERIFYINGMACHINE-READABLE LABEL ASSOCIATED WITH MERCHANDISE**
[54] **SYSTEMES ET PROCEDES POUR UNE ETIQUETTE LISIBLE PAR MACHINE ASSOCIEE A UNE MARCHANDISE**
[72] BACELIS, CARLOS, US
[72] FUNDERBURG, ANDREW, US
[72] DOUGHTY, CODY J., US
[71] WALMART APOLLO, LLC, US
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[54] **DISSOLVANT DE SULFURE DE FER**
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[72] KHALDI, MOHAMMED, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[54] **METHODS AND SYSTEMS TO DETERMINE AND OPTIMIZE RESERVOIR SIMULATOR PERFORMANCE IN A CLOUD COMPUTING ENVIRONMENT**
[54] **PROCEDES ET SYSTEMES POUR DETERMINER ET OPTIMISER LES PERFORMANCES D'UN SIMULATEUR DE RESERVOIR DANS UN ENVIRONNEMENT INFORMATIQUE EN NUAGE**
[72] EKER, ERDINC, US
[72] WANG, QINGHUA, US
[72] RAMSAY, TRAVIS ST. GEORGE, US
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[54] **TRANSFORMATION DE CELLULES TUEUSES NATURELLES RESISTANTES AU FACTEUR DE CROISSANCE BETA**
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[72] FOLTZ-STRINGFELLOW, JENNIFER ANN, US
[72] EDWARDS-MOSEMAN, JENA, US
[71] RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, US
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[54] **HIGH PRODUCTIVITY CONFIGURABLE WORKSTATION WITH MULTI-TIERED WORK PLATFORM**
[54] **POSTE DE TRAVAIL CONFIGURABLE A PRODUCTIVITE ELEVEE COMPRENANT UNE PLATE-FORME DE TRAVAIL A PLUSIEURS NIVEAUX**
[72] KILGALLON, JAMES LEO, US
[72] ROBERTS, CAREY ALAN, US
[72] NACKLEY, JOHN G., US
[72] STEELE, ROBERT R., US
[71] INTERMETRO INDUSTRIES CORPORATION, US
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[54] **A COMPOSITE BATTERY ENCLOSURE**
[54] **BOITIER DE BATTERIE COMPOSITE**
[72] LUCCHESI, BRIAN, US
[72] NOLET, STEPHEN, US
[72] VELOSO, MCKEVIN, US
[71] TPI COMPOSITES, INC., US
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[54] **SYSTEMS AND METHODS FOR BROADBAND COMMUNICATION LINK PERFORMANCE MONITORING**
[54] **SYSTEMES ET PROCEDES DE SURVEILLANCE DE PERFORMANCES DE LIAISON DE COMMUNICATION A LARGE BANDE**
[72] HWANG, CHAN-SOO, US
[72] CIOFFI, JOHN MATTHEW, US
[72] BEDNARZ, PHILLIP, US
[72] GOLNARIAN, SAHAND, US
[72] KE, LAN, US
[72] GARCIA HERNANDEZ, CARLOS, US
[72] BALAKRISHNAN, MANIKANDEN, US
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[54] **UNITE DE COMMANDE DE SYSTEME DE GESTION D'AIR**
[72] VAUGHAN, MATTHEW, US
[72] CALAWAY, JOSEPH, US
[72] LEWIS, DAVID BRYAN, US
[72] ARRANTS, GEORGE, US
[71] BASE AIR MANAGEMENT LIMITED, AU
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[54] **SAMPLE PREP FOR DNA LINKAGE RECOVERY**
[54] **PREPARATION D'ECHANTILLON POUR RECUPERATION DE LIAISON D'ADN**
[72] BLANCHETTE, MARCO, US
[72] TROLL, CHRISTOPHER JOHN, US
[71] DOVETAIL GENOMICS, LLC, US
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[30] US (62/625,215) 2018-02-01
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[51] **Int.Cl. F16L 55/40 (2006.01)**
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[54] **A PIG FOR USE IN A SYSTEM FOR LINING DUCTS WATER OR SEWAGE PIPES**
[54] **RACLEUR POUR L'UTILISATION DANS UN SYSTEME POUR CHEMISER DES CONDUITS OU DES TUYAUX D'EAU OU D'EGOUTS**
[72] ELSOM, ROBIN, GB
[71] AQUALINER LIMITED, GB
[85] 2020-07-29
[86] 2019-02-19 (PCT/GB2019/050441)
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[30] GB (1802664.1) 2018-02-19

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[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATE-FORME SOCIALE**
[72] POLIZZOTTO, PAUL A., US
[71] GIVEWITH LLC, US
[85] 2020-07-30
[86] 2019-01-11 (PCT/US2019/013136)
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[30] US (62/625,080) 2018-02-01
[30] US (62/625,042) 2018-02-01
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[54] **EQUIPEMENT D'ENTRAINEMENT AVEC DES POIDS MODIFIE**
[72] ROTHSCHILD, KYLE D., US
[71] SOUND SHORE INNOVATIONS L.L.C., US
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[30] US (15/885,292) 2018-01-31
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[51] **Int.Cl. G06Q 99/00 (2006.01)**
[25] EN
[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
[72] POLIZZOTTO, PAUL A., US
[71] GIVEWITH LLC, US
[85] 2020-07-30
[86] 2019-01-11 (PCT/US2019/013143)
[87] (WO2019/152154)
[30] US (62/625,080) 2018-02-01
[30] US (62/625,042) 2018-02-01
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[51] **Int.Cl. G06Q 99/00 (2006.01)**
[25] EN
[54] **SOCIAL PLATFORM PROMOTION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROMOTION DE PLATEFORME SOCIALE**
[72] POLIZZOTTO, PAUL A., US
[71] GIVEWITH LLC, US
[85] 2020-07-30
[86] 2019-01-11 (PCT/US2019/013170)
[87] (WO2019/152155)
[30] US (62/625,080) 2018-02-01
[30] US (62/625,042) 2018-02-01
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[51] **Int.Cl. F16K 31/126 (2006.01) F16K 17/00 (2006.01) F16K 17/38 (2006.01) F16K 31/36 (2006.01) F16K 31/68 (2006.01) F17D 5/00 (2006.01)**
[25] EN
[54] **A SHUT-OFF VALVE FOR A FLUID CIRCUIT AND METHOD FOR OPERATING THE SAME**
[54] **SOUPAPE D'ARRET POUR CIRCUIT DE FLUIDE ET SON PROCEDE DE FONCTIONNEMENT**
[72] BISHOFF, MARK EUGENE, CA
[72] BISHOFF, GUY THOMAS, CA
[71] BISHOFF, MARK EUGENE, CA
[71] BISHOFF, GUY THOMAS, CA
[85] 2020-07-29
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[51] **Int.Cl. B01L 3/00 (2006.01) G16H 10/40 (2018.01) G01N 35/00 (2006.01) B29C 49/24 (2006.01)**
[25] EN
[54] **INSTRUMENTS, DEVICES AND CONSUMABLES FOR USE IN A WORKFLOW OF A SMART MOLECULAR ANALYSIS SYSTEM**
[54] **INSTRUMENTS, DISPOSITIFS ET CONSOMMABLES DESTINES A ETRE UTILISES DANS LE FLUX DE TRAVAIL D'UN SYSTEME D'ANALYSE MOLECULAIRE INTELLIGENT**
[72] POTHINI, SHAKILA, US
[72] SANGHA, HARDEEP, US
[72] HABERSTROH, MARC, US
[72] SURI, PUNEET, US
[72] LUK, DAMIEN, US
[71] LIFE TECHNOLOGIES CORPORATION, US
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[51] **Int.Cl. A61M 25/06 (2006.01) A61M 39/22 (2006.01)**
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[54] **RELEASABLE SAFETY CATHETER INSERTION ASSEMBLY**
[54] **ENSEMBLE D'INSERTION DE CATHETER DE SECURITE LIBERABLE**
[72] GURSEL, AKCAY, US
[72] BREINDEL, JAY T., US
[72] CHHEDA, HARSH D., US
[72] FELICITO, KATHRYN, US
[72] GORAL, DAVID J., US
[72] KOEHLER, THOMAS T., US
[72] ROEHL, CHRISTOPHER, US
[71] SMITHS MEDICAL ASD, INC., US
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[54] **INTEGRATED TOP RAIL TENSION ROLLER SYSTEM**
[54] **SYSTEME DE ROULEAU DE TENSION DE RAIL SUPERIEUR INTEGRE**
[72] HUNTER, STEPHEN, US
[72] HINES, SHANE, US
[71] ROLL RITE, LLC, US
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[51] **Int.Cl. B60P 7/12 (2006.01) B21C 47/22 (2006.01) B65D 19/38 (2006.01) B65D 19/44 (2006.01) B65D 85/04 (2006.01) B65H 49/32 (2006.01)**
[25] EN
[54] **PIPE COIL SKID WITH SIDE RAILS AND METHOD OF USE**
[54] **PATIN DE SERPENTIN DE TUBE A RAILS LATERAUX ET PROCEDE D'UTILISATION**
[72] HAMNER, BRETT, US
[72] REEDY, MAX, US
[72] WINN, ALEXANDER, US
[72] PARKER, PETER, US
[71] TRINITY BAY EQUIPMENT HOLDINGS, LLC, US
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[54] **CAPSID ASSEMBLY MODULATOR DOSING REGIMEN**
[54] **SCHEMA POSOLOGIQUE DE MODULATEUR D'ASSEMBLAGE DE CAPSIDE**
[72] LENZ, OLIVER, BE
[72] BALMAIN, CLAIRE ELISABETH, BE
[72] SNOEYS, JAN, BE
[72] VANDENBOSSCHE, JORIS JOZEF, BE
[72] VERSTRAETE, DOMINIQUE JOSIANE W., BE
[72] YOGARATNAM, JEYSEN ZIVAN, US
[72] JANSENS, MARIA, BE
[72] VANDYCK, KOEN, BE
[72] VAN DYCKE, FREDERIC, BE
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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[30] US (62/642,997) 2018-03-14

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING PULMONARY EDEMA OR LUNG INFLAMMATION**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'UN □DEME PULMONAIRE OU D'UNE INFLAMMATION PULMONAIRE**
[72] INGBAR, DAVID H., US
[72] RICH, TIMOTHY P., US
[72] SCHUMACHER, ROBERT J., US
[72] LEI, JIANXUN, US
[72] BHARGAVA, MANEESH, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
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[25] EN
[54] **COMBINATION CANCER THERAPY WITH PENTAAZA MACROCYCLIC RING COMPLEX AND PLATINUM-BASED ANTICANCER AGENT**
[54] **POLYTHERAPIE ANTICANCEREUSE AU MOYEN D'UN COMPLEXE DE TYPE CYCLE MACROCYCLIQUE PENTAAZA ET D'UN AGENT ANTICANCEREUX A BASE DE PLATINE**
[72] KEENE, JEFFERY L., US
[72] RILEY, DENNIS P., US
[72] BEARDSLEY, ROBERT A., US
[72] STORY, MICHAEL DEAN, US
[72] MAPUSKAR, KRANTI ASHOK, US
[72] SPITZ, DOUGLAS R. JR., US
[72] ALLEN, BRYAN G., US
[72] DAVIS, ANDREW BLAKE, US
[72] ZEPEDA OROZCO, DIANA, US
[71] GALERA LABS, LLC, US
[71] BOARD OF REGENTS OF UNIVERSITY OF TEXAS SYSTEM, US
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[54] **ANTAGONISTS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4**
[54] **ANTAGONISTES DU RECEPTEUR MUSCARINIQUE DE L'ACETYLCHOLINE M4**
[72] LINDSLEY, CRAIG W., US
[72] CONN, P., JEFFREY, US
[72] ENGERS, DARREN W., US
[72] ENGERS, JULIE L., US
[72] BENDER, AARON M., US
[71] VANDERBILT UNIVERSITY, US
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[51] **Int.Cl. G06F 15/173 (2006.01) G06F 11/00 (2006.01)**
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[54] **NETWORK DEVICE DATA EXCHANGE COORDINATION**
[54] **COORDINATION D'ECHANGE DE DONNEES DE DISPOSITIF DE RESEAU**
[72] ZISKIND, ILYA, US
[72] NANCE, DAVID, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2020-07-30
[86] 2019-01-31 (PCT/US2019/016079)
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[30] US (62/625,422) 2018-02-02

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[51] **Int.Cl. H04L 12/721 (2013.01) H04L 12/851 (2013.01) H04L 9/06 (2006.01)**
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[54] **APPLICATION SERVICE VIRTUAL CIRCUIT**
[54] **CIRCUIT VIRTUEL DE SERVICE D'APPLICATION**
[72] ZISKIND, ILYA, US
[72] NANCE, DAVID, US
[71] ATC TECHNOLOGIES, LLC, US
[85] 2020-07-30
[86] 2019-01-31 (PCT/US2019/016081)
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[54] **OXADIAZOLES FOR USE IN CONTROLLING PHYTOPATHOGENIC FUNGI**
[54] **NOUVEAUX OXADIAZOLES**
[72] BHUJADE, PARAS RAYBHAN, IN
[72] PAWAR, RAJESH, IN
[72] NAIK, MARUTI N, IN
[72] POTLAPALLY, RAJENDER KUMAR, IN
[72] TEMBHARE, NITIN RAMESH, IN
[72] AUTKAR, SANTOSH SHRIDHAR, IN
[72] GARG, RUCHI, IN
[72] VENKATESHA, HAGALAVADI M., IN
[72] KLAUSENER, ALEXANDER G.M., DE
[72] RAMAKRISHNA, VISANNAGARI, IN
[72] ADHAV, NILESH BHARAT, IN
[72] TRIVEDI, POOJA, IN
[71] PI INDUSTRIES LTD., IN
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[25] EN
[54] **SYSTEMS AND METHODS FOR TRACKING THE ORIGIN OF CANNABIS PRODUCTS AND CANNABIS DERIVATIVE PRODUCTS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE SUIVRE L'ORIGINE DE PRODUITS DE CANNABIS ET DE PRODUITS DERIVES DE CANNABIS**
[72] HOGAN, MICHAEL E., US
[72] HOPE, GORDON, US
[72] HAYWARD, JAMES A., US
[72] SHERMAN, JOHN, US
[72] ACKERMAN, THOMAS, US
[72] VISCOUNT, BRIAN, US
[71] APDN (B.V.I.) INC., VG
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[54] **USE OF LENTIVIRAL VECTORS EXPRESSING FACTOR VIII**
[54] **UTILISATION DE VECTEURS LENTIVIRAUX EXPRIMANT LE FACTEUR VIII**
[72] ANNONI, ANDREA, IT
[72] CANTORE, ALESSIO, IT
[72] DRAGER, DOUGLAS, US
[72] LIU, TONGYAO, US
[72] MILANI, MICHELA, IT
[72] MOFFIT, JEFF, US
[72] NALDINI, LUIGI, IT
[72] PATARROYO-WHITE, SUSANNAH, US
[72] PETERS, ROBERT, US
[72] SEREGIN, ALEXEY, US
[71] BIOVERATIV THERAPEUTICS, INC., US
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[86] 2019-01-31 (PCT/US2019/016122)
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[30] US (62/625,145) 2018-02-01
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[54] **ANTIBODY SCREENS USING TRANSGENIC ANTIGEN(S)**
[54] **CRIBLAGE D'ANTICORPS UTILISANT UN(DES) ANTIGENE(S) TRANSGENIQUE(S)**
[72] ZIMRING, JAMES CHARLES, US
[72] WU, YANYUN, US
[71] BLOODWORKS, US
[85] 2020-07-30
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[54] **POINT OF SALE CONSUMER REVIEW SYSTEM**
[54] **SYSTEME D'ANALYSE DE CONSOMMATEUR DE POINT DE VENTE**
[72] PEREIRA, JEAN PAUL, US
[71] PEREIRA, JEAN PAUL, US
[85] 2020-07-30
[86] 2019-02-02 (PCT/US2019/016439)
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[30] US (15/887,373) 2018-02-02

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[51] **Int.Cl. A47J 37/07 (2006.01) A47J 37/00 (2006.01)**
[25] EN
[54] **FOLDABLE GRILL**
[54] **GRIL PLIABLE**
[72] YASSEEN, WAEL, IL
[71] YASSEEN, WAEL, IL
[85] 2020-07-29
[86] 2019-01-24 (PCT/IB2019/050608)
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[25] EN
[54] **A LINEAR FARADAY INDUCTION GENERATOR FOR THE GENERATION OF ELECTRICAL POWER FROM OCEAN WAVE KINETIC ENERGY AND ARRANGEMENTS THEREOF**
[54] **GENERATRICE A INDUCTION LINEAIRE DE FARADAY DESTINEE A LA PRODUCTION D'ENERGIE ELECTRIQUE A PARTIR DE L'ENERGIE CINETIQUE DES VAGUES DE L'OCEAN ET AGENCEMENTS ASSOCIES**
[72] PHILLIPS, REED E., US
[71] ENERGYSTICS, LTD., US
[85] 2020-07-30
[86] 2019-02-04 (PCT/US2019/016452)
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[54] **ADJUSTABLE WEIGHT KETTLEBELL**
[54] **HALTERE RUSSE A POIDS REGLABLE**
[72] FLICK, EDWARD L., US
[72] BAKER, BRYCE C., US
[72] BUSH, PJ M., US
[71] NAUTILUS, INC., US
[85] 2020-07-30
[86] 2019-02-04 (PCT/US2019/016546)
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[51] **Int.Cl. C12N 15/87 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **CLOSED-SYSTEM MANUFACTURING PROCESS FOR CAR-T CELLS**
[54] **PROCESSUS DE FABRICATION DE SYSTEME FERME POUR LYMPHOCYTES T A RECEPTEUR ANTIGENIQUE CHIMERIQUE (CAR)**
[72] JENSEN, MICHAEL C., US
[72] GUSTAFSON, JOSHUA, US
[71] SEATTLE CHILDREN'S HOSPITAL (DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE), US
[85] 2020-07-30
[86] 2019-02-04 (PCT/US2019/016497)
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[25] EN
[54] **A PUBLICLY ACCESSIBLE URBAN BEACH ENTERTAINMENT COMPLEX INCLUDING A SURF FEATURE WITH A CENTERPIECE MAN-MADE TROPICAL-STYLE LAGOON AND METHOD FOR PROVIDING EFFICIENT UTILIZATION OF LIMITED USE LAND**
[54] **COMPLEXE DE DIVERTISSEMENT DE PLAGE URBAINE ACCESSIBLE AU PUBLIC COMPRENANT UNE CARACTERISTIQUE DE SURF DOTE D'UN LAGON CENTRAL ARTIFICIEL DE STYLE TROPICAL ET PROCEDE DE FOURNITURE D'UTILISATION EFFICACE DE TERRAIN A USAGE LIMITE**
[72] FISCHMANN TORRES, FERNANDO, BENJAMIN, CL
[71] CRYSTAL LAGOONS TECHNOLOGIES, INC., US
[85] 2020-07-29
[86] 2018-08-21 (PCT/IB2018/001089)
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[30] US (62/639,211) 2018-03-06
[30] US (15/990,314) 2018-05-25

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
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[54] **AHR MODULATORS**
[54] **MODULATEURS DE AHR**
[72] ALAM, MUZAFFAR, US
[72] BECK, HILARY PLAKE, US
[72] DILLON, MICHAEL PATRICK, US
[72] GONZALEZ-LOPEZ, MARCOS, US
[72] SUTTON, JAMES CLIFFORD JR., US
[71] IDEAYA BIOSCIENCES, INC., US
[85] 2020-07-29
[86] 2019-02-05 (PCT/US2019/016705)
[87] (WO2019/156987)
[30] US (62/626,739) 2018-02-06
[30] US (62/793,260) 2019-01-16

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[51] **Int.Cl. B61C 15/10 (2006.01) B61K 3/02 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR DISPENSING A FRICTION-COEFFICIENT-OPTIMIZING MIXTURE**
[54] **DISPOSITIF ET PROCEDE DE DEVERSEMENT D'UN MELANGE D'OPTIMISATION DE FRICTION**
[72] REICH, ALEXANDER, DE
[72] IMBERT, LUC GEORGE, IT
[72] FREA, MATTEO, IT
[71] NOWE GMBH, DE
[85] 2020-07-30
[86] 2019-03-04 (PCT/EP2019/055259)
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[30] AT (A 50181/2018) 2018-03-05

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[54] **SHELL AND TUBE HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR A CALANDRE**
[72] CASELLI, CRISTIANO, IT
[72] REDAELLI, LUCA, IT
[71] CASALE SA, CH
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[86] 2019-03-07 (PCT/EP2019/055660)
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[30] EP (18163395.9) 2018-03-22

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[51] **Int.Cl. F04D 29/42 (2006.01) F04D 7/04 (2006.01) F04D 29/62 (2006.01)**
[25] EN
[54] **TIE-ROD FRAME PLATE FOR CENTRIFUGAL PUMP**
[54] **PLAQUE DE CADRE A BARRE D'ACCOUPLEMENT, POUR POMPE CENTRIFUGE**
[72] KOSMICKI, RANDY JAMES, US
[72] VIAN, JEFFREY CHARLES, US
[71] WEIR SLURRY GROUP, INC., US
[85] 2020-07-30
[86] 2019-02-05 (PCT/US2019/016681)
[87] (WO2019/153005)
[30] US (62/626,494) 2018-02-05

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[51] **Int.Cl. C25B 3/02 (2006.01) B01J 29/072 (2006.01) B01J 29/46 (2006.01) B01J 35/00 (2006.01) B01J 37/02 (2006.01) C07C 29/48 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR THE PREPARATION OF ALCOHOLS FROM HYDROCARBONS**
[54] **PROCEDE ET DISPOSITIF DE PREPARATION D'ALCOOLS A PARTIR D'HYDROCARBURES**
[72] ABO-HASHEMA, KHALED A.H., FI
[71] THRUNNEL LTD, OY, FI
[85] 2020-07-30
[86] 2018-07-09 (PCT/FI2018/050539)
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[30] US (62/629,132) 2018-02-12

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[51] **Int.Cl. A61B 8/06 (2006.01) A61B 8/08 (2006.01)**
[25] EN
[54] **ULTRASOUND BLOOD-FLOW MONITORING**
[54] **SURVEILLANCE DU FLUX SANGUIN PAR ULTRASONS**
[72] TORP, HANS, NO
[72] NYRNES, SIRI ANN, NO
[72] VIK, SIGRID DANNHEIM, NO
[72] STOEN, RAGNHILD, NO
[71] NORWEGIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY (NTNU), NO
[85] 2020-07-30
[86] 2019-02-07 (PCT/GB2019/050342)
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[30] GB (1802010.7) 2018-02-07
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[25] EN
[54] **COMBINATION OF STING AGONIST AND IL-15/IL15-RA FOR THE TREATMENT OF CANCER**
[54] **ASSOCIATION D'UN AGONISTE DE STING ET D'IL-15/IL-15RA POUR LE TRAITEMENT DU CANCER**
[72] KOPP, NADJA, US
[72] LEONG, JUSTIN, US
[72] MCKENNA, JEFFREY, US
[72] NDUBAKU, CHUDI OBIOMA, US
[72] PINZON-ORTIZ, MARIA, US
[72] RONG, XIANHUI, US
[72] SULLIVAN, RYAN, US
[71] NOVARTIS AG, CH
[71] ADURO BIOTECH, INC., US
[85] 2020-07-30
[86] 2019-02-01 (PCT/IB2019/050806)
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[30] US (62/625,671) 2018-02-02

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[51] **Int.Cl. G02C 7/10 (2006.01) B29D 11/00 (2006.01) G02C 7/12 (2006.01)**
[25] EN
[54] **EYEWEAR AND LENSES WITH MULTIPLE MOLDED LENS COMPONENTS**
[54] **LUNETTES ET VERRES COMPRENANT DE MULTIPLES ELEMENTS DE VERRE MOULES**
[72] MARCO, COPPA, IT
[71] LUXOTTICA S.R.L., IT
[85] 2020-07-30
[86] 2019-02-01 (PCT/IB2019/050824)
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[30] US (15/886,596) 2018-02-01

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[51] **Int.Cl. G16H 50/50 (2018.01) G16B 5/20 (2019.01)**
[25] EN
[54] **METHODS FOR DETERMINING DRUG EFFECTS**
[54] **PROCEDES DE DETERMINATION D'EFFETS DE MEDICAMENT**
[72] TVEITO, ASLAK, NO
[72] WALL, SAMUEL, NO
[72] JAEGER, KAROLINE HORGMO, NO
[71] SIMULA INNOVATION, NO
[85] 2020-07-30
[86] 2019-02-01 (PCT/IB2019/050840)
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[30] US (62/625,621) 2018-02-02

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[25] EN
[54] **METHODS FOR ALLOGENIC HEMATOPOIETIC STEM CELL TRANSPLANTATION**
[54] **PROCEDES POUR LA TRANSPLANTATION DE CELLULES SOUCHES HEMATOPOIETIQUES ALLOGENIQUES**
[72] MEYER, EVERETT HURTEAU, US
[72] NEGRIN, ROBERT S., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-07-30
[86] 2019-02-07 (PCT/US2019/017017)
[87] (WO2019/157158)
[30] US (62/628,015) 2018-02-08

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[51] **Int.Cl. A61M 5/14 (2006.01) H01R 13/22 (2006.01) H01R 13/24 (2006.01) H01R 13/52 (2006.01) H01R 13/627 (2006.01)**
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[54] **MODULE CONNECTORS FOR INFUSION PUMP SYSTEMS**
[54] **CONNECTEURS DE MODULES POUR SYSTEMES DE POMPE A PERFUSION**
[72] GOOD, LEE ALAN, US
[72] DODGE, SANTIAGO ROMAN, US
[72] TORO, DANIEL ALEXI, US
[72] MOORE, AUSTIN, US
[72] SCHIEVE, ERIC W., US
[71] CAREFUSION 303, INC., US
[85] 2020-07-30
[86] 2019-02-14 (PCT/US2019/017975)
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[30] US (62/710,567) 2018-02-16

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/496 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SELECTIVE BCL-2 INHIBITORS IN COMBINATION WITH AN ANTI-PD-1 OR AN ANTI-PD-L1 ANTIBODY FOR THE TREATMENT OF CANCERS**
[54] **INHIBITEURS SELECTIFS DE BCL-2 EN ASSOCIATION AVEC UN ANTICORPS ANTI-PD-1 OU ANTI-PD-L1 POUR LE TRAITEMENT DE CANCERS**
[72] UZIEL, TAMAR, US
[72] LEVERSON, JOEL D., US
[72] PAPPANO, WILLIAM N., US
[72] MAGANBHAI HARIBHAI, DIPICA B., US
[72] MATHEW, REBECCA, US
[72] KOHLHAPP, FRED, US
[72] DONAWHO, CHERRIE K., US
[71] ABBVIE INC., US
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[86] 2019-02-15 (PCT/US2019/018241)
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[30] US (62/763,106) 2018-02-16
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[25] EN
[54] **MIXED REALITY MUSICAL INSTRUMENT**
[54] **INSTRUMENT DE MUSIQUE A REALITE MIXTE**
[72] TAJIK, ANASTASIA ANDREYEVNA, US
[71] MAGIC LEAP, INC., US
[85] 2020-07-30
[86] 2019-02-15 (PCT/US2019/018366)
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[30] US (62/631,405) 2018-02-15

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[51] **Int.Cl. E04B 1/38 (2006.01) E04B 1/61 (2006.01) F16B 25/10 (2006.01) F16B 35/04 (2006.01) F16B 35/06 (2006.01)**
[25] EN
[54] **COMBINED ANCHOR AND FASTENER ASSEMBLY**
[54] **ENSEMBLE D'ANCRAGE ET DE FIXATION COMBINE**
[72] NILL, LANCE, US
[71] NILL, LANCE, US
[85] 2020-07-30
[86] 2019-02-19 (PCT/US2019/018592)
[87] (WO2019/164843)
[30] US (62/632,453) 2018-02-20
[30] US (62/653,694) 2018-04-06
[30] US (62/724,891) 2018-08-30
[30] US (PCT/US2018/065465) 2018-12-13

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[51] **Int.Cl. D21D 1/00 (2006.01) B02C 7/00 (2006.01) B02C 7/12 (2006.01) D21D 1/30 (2006.01)**
[25] EN
[54] **CLEANING NOTCHES AND PASSAGES FOR A FEEDING OR REFINING ELEMENT**
[54] **ENCOCHES ET PASSAGES DE NETTOYAGE POUR UN ELEMENT D'ALIMENTATION OU DE RAFFINAGE**
[72] GINGRAS, LUC, GB
[72] MICHEL, TOBIAS, DE
[71] ANDRITZ INC., US
[85] 2020-07-30
[86] 2019-02-20 (PCT/US2019/018758)
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[30] US (62/635,143) 2018-02-26

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[51] **Int.Cl. A61B 34/30 (2016.01) A61B 17/00 (2006.01) A61B 17/34 (2006.01)**
[25] EN
[54] **SURGICAL ROBOTIC SYSTEMS**
[54] **SYSTEMES ROBOTIQUES CHIRURGICAUX**
[72] KAPADIA, JAIMEEN, US
[71] COVIDIEN LP, US
[85] 2020-07-30
[86] 2019-02-21 (PCT/US2019/018859)
[87] (WO2019/173056)
[30] US (62/640,149) 2018-03-08

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[51] **Int.Cl. G06T 11/20 (2006.01) B64G 3/00 (2006.01) G06F 3/048 (2013.01) G06K 9/00 (2006.01)**
[25] EN
[54] **VISUALIZATION INTERFACES FOR REAL-TIME IDENTIFICATION, TRACKING, AND PREDICTION OF SPACE OBJECTS**
[54] **INTERFACES DE VISUALISATION POUR IDENTIFICATION, SUIVI ET PREDICTION EN TEMPS REEL D'OBJETS SPATIAUX**
[72] HENDRIX, DOUGLAS LEE, US
[72] THERIEN, WILLIAM ALEXANDER, US
[71] EXOANALYTIC SOLUTIONS, INC., US
[85] 2020-07-30
[86] 2019-02-21 (PCT/US2019/019026)
[87] (WO2019/165127)
[30] US (62/634,765) 2018-02-23
[30] US (62/800,964) 2019-02-04

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[51] **Int.Cl. A61K 9/24 (2006.01) A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61P 25/20 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **PROGRAMMABLE PHARMACEUTICAL COMPOSITIONS FOR CHRONO DRUG RELEASE**
[54] **COMPOSITIONS PHARMACEUTIQUES PROGRAMMABLES POUR LA LIBERATION CHRONO DE MEDICAMENT**
[72] VAGHASHIYA, JAYDEEP, US
[72] SHAH, NAVNIT H., US
[72] PHUAPRADIT, WANTANEE, US
[72] DESAI, DIPEN, US
[72] VAKA, SIVA RAM KIRAN, US
[72] THONGSUKMAK, ATSAWIN, US
[71] KASHIV BIOSCIENCES, LLC, US
[85] 2020-07-30
[86] 2019-03-05 (PCT/US2019/020815)
[87] (WO2019/173384)
[30] US (62/638,667) 2018-03-05
[30] US (62/760,771) 2018-11-13

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[51] **Int.Cl. A61M 5/00 (2006.01) A61M 25/00 (2006.01) A61M 39/16 (2006.01) A61M 39/20 (2006.01)**
[25] EN
[54] **SANITIZING CAPS FOR MEDICAL CONNECTORS**
[54] **CAPUCHONS DESINFECTANTS POUR RACCORDS MEDICAUX**
[72] FANGROW, THOMAS F., US
[71] ICU MEDICAL, INC., US
[85] 2020-07-30
[86] 2019-03-15 (PCT/US2019/022610)
[87] (WO2019/178560)
[30] US (62/643,873) 2018-03-16

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[13] A1
[51] **Int.Cl. A61B 17/122 (2006.01)**
[25] EN
[54] **LEFT ATRIAL APPENDAGE CLIPPING DEVICE AND METHODS FOR CLIPPING THE LAA**
[54] **DISPOSITIF DE SERRAGE DE L'APPENDICE AURICULAIRE GAUCHE ET PROCEDES POUR SERRAGE DU LAA**
[72] DEVILLE, DEREK DEE, US
[72] PALMER, MATTHEW A., US
[72] CARTLEDGE, RICHARD, US
[72] BALES, THOMAS O., JR., US
[72] MCBRAYER, M. SEAN, US
[72] PETERSEN, ERIC, US
[72] BOND, TYLER, US
[72] BALES, WILLIAM T., US
[72] KIRK, MICHAEL WALTER, US
[71] SYNTHEON 2.0, LLC, US
[85] 2020-07-31
[86] 2019-01-25 (PCT/US2019/015140)
[87] (WO2019/147933)
[30] US (62/622,751) 2018-01-26
[30] US (62/650,766) 2018-03-30
[30] US (62/727,850) 2018-09-06
[30] US (62/743,708) 2018-10-10
[30] US (16/256,561) 2019-01-24

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[51] **Int.Cl. B09B 3/00 (2006.01) B01D 53/00 (2006.01) C02F 11/10 (2006.01) C10G 3/00 (2006.01) C10L 1/00 (2006.01) C10L 3/00 (2006.01) C10L 5/44 (2006.01) C10L 5/46 (2006.01) F23G 5/027 (2006.01)**
[25] EN
[54] **NON-POLLUTING BIOMASS WASTE PROCESSOR, COMPONENTS AND PROCESSES FOR USE BY A MUNICIPALITY, INDUSTRIAL, FORESTRY AND/OR AGRICULTURAL FACILITY**
[54] **ELIMINATEUR DE DECHETS DE BIOMASSE NON POLLUANT, ELEMENTS ET PROCEDES DESTINES A ETRE UTILISES PAR UNE INSTALLATION MUNICIPALE, INDUSTRIELLE, FORESTIERE ET/OU AGRICOLE**
[72] BORYS, SERGE, CA
[72] KALITKO, ULADZIMIR, BY
[71] MAGNUM GROUP INTERNATIONAL, INC., US
[85] 2020-07-31
[86] 2019-01-26 (PCT/US2019/015312)
[87] (WO2019/152288)
[30] US (62/626,001) 2018-02-03
[30] US (62/755,940) 2018-11-05
[30] US (16/199,136) 2018-11-24

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[51] **Int.Cl. C01B 21/09 (2006.01) A01N 33/02 (2006.01) A01N 59/00 (2006.01) C02F 1/50 (2006.01)**
[25] EN
[54] **METHODS TO PREPARE HALOAMINES USING AT LEAST ONE SOLID REACTANT AND PRODUCTS MADE THEREFROM**
[54] **METHODES DE PREPARATION D'HALOAMINES A L'AIDE D'AU MOINS UN REACTIF SOLIDE ET PRODUITS FABRIQUES A PARTIR DE CEUX-CI**
[72] LAUNAY, BRUNO, US
[72] KUZNETSOV, DIMITRI, US
[72] HENSON, CHRISTINA, US
[72] ONDERBEKE, NIKOLAAS, US
[72] CONYNGHAM, MARK, US
[72] MCNEEL, THOMAS, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2020-07-31
[86] 2019-01-29 (PCT/US2019/015499)
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[30] US (62/624,186) 2018-01-31

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[51] **Int.Cl. A23D 7/06 (2006.01) A23L 33/115 (2016.01) A23P 10/30 (2016.01) A23D 7/02 (2006.01) A61K 8/46 (2006.01) A61K 9/107 (2006.01) A61K 31/26 (2006.01) A61Q 19/00 (2006.01) C11B 5/00 (2006.01)**
[25] EN
[54] **PROTECTING A BIOACTIVE AND/OR PRECURSOR THEREOF**
[54] **PROTECTION D'UN AGENT BIOACTIF ET/OU D'UN PRECURSEUR DE CELUI-CI**
[72] AUGUSTIN, MARY ANN, AU
[72] SANGUANSRI, LUZ, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2020-07-31
[86] 2019-02-01 (PCT/AU2019/050079)
[87] (WO2019/148250)
[30] AU (2018900326) 2018-02-02

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[13] A1
[51] **Int.Cl. H04N 7/00 (2011.01)**
[25] EN
[54] **LARGE-SCALE DISTRIBUTED TIMING, CALIBRATION AND CONTROL SYSTEM**
[54] **SYSTEME DE SYNCHRONISATION, D'ETALONNAGE ET DE COMMANDE DISTRIBUE A GRANDE ECHELLE**
[72] AVERAY, ROBERT DENNIS, AU
[71] BAE SYSTEMS AUSTRALIA LIMITED, AU
[85] 2020-07-31
[86] 2019-02-08 (PCT/AU2019/050099)
[87] (WO2019/153048)
[30] AU (2018900388) 2018-02-08

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[51] **Int.Cl. A61B 5/00 (2006.01) G06T 7/90 (2017.01) G16H 50/20 (2018.01) A61K 49/00 (2006.01)**
[25] EN
[54] **DEVICES, SYSTEMS, AND METHODS FOR TUMOR VISUALIZATION AND REMOVAL**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES POUR LA VISUALISATION ET L'ELIMINATION DE TUMEURS**
[72] DACOSTA, RALPH, CA
[72] GIBSON, CHRISTOPHER, CA
[72] OTTOLINO-PERRY, KATHRYN, CA
[72] ANANTHA, NAYANA THALANKI, CA
[72] DONE, SUSAN JANE, CA
[72] LEONG, WEY LIANG, CA
[72] EASSON, ALEXANDRA M., CA
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2020-07-31
[86] 2019-02-01 (PCT/CA2019/000015)
[87] (WO2019/148268)
[30] US (62/625,967) 2018-02-02
[30] US (62/625,983) 2018-02-03
[30] US (62/793,843) 2019-01-17

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[13] A1
[51] **Int.Cl. B44D 3/18 (2006.01) A47G 1/10 (2006.01)**
[25] EN
[54] **DEVICE FOR TENSIONING A CANVAS ON A FRAME**
[54] **DISPOSITIF DE MISE EN TENSION D'UNE TOILE SUR UN CADRE**
[72] ROY, FRANCOIS, CA
[71] GESPLAN GESTION CONSEIL, INC., CA
[85] 2020-07-31
[86] 2019-01-30 (PCT/CA2019/050110)
[87] (WO2019/169474)
[30] US (62/638,084) 2018-03-03
[30] US (62/681,010) 2018-06-05
[30] US (62/750,793) 2018-10-25

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[51] **Int.Cl. H01Q 9/04 (2006.01) H01P 5/22 (2006.01) H01Q 21/00 (2006.01) H01Q 21/24 (2006.01)**
[25] EN
[54] **CIRCUITRY**
[54] **ENSEMBLE DE CIRCUITS**
[72] POPUGAEV, ALEXANDER, DE
[72] TESSEMA, MENGISTU, DE
[72] WANSCH, RAINER, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-07-31
[86] 2019-01-31 (PCT/EP2019/052380)
[87] (WO2019/149820)
[30] DE (10 2018 201 580.5) 2018-02-01

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[13] A1
[51] **Int.Cl. A24F 47/00 (2020.01)**
[25] EN
[54] **CARTRIDGE FOR ELECTRONIC DELIVERY SYSTEM**
[54] **CARTOUCHE POUR SYSTEME ELECTRONIQUE DE DISTRIBUTION**
[72] TASSELLI, CORRADO, SE
[72] LU, CHENG-HSIEN, CN
[72] HSU, CHUN-HAO, CN
[71] MCNEIL AB, SE
[85] 2020-07-31
[86] 2019-02-05 (PCT/EP2019/052787)
[87] (WO2019/154811)
[30] SE (1850134-6) 2018-02-06

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[13] A1
[51] **Int.Cl. A61K 35/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **IN-VITRO MODEL OF THE HUMAN GUT MICROBIOME AND USES THEREOF IN THE ANALYSIS OF THE IMPACT OF XENOBIOTICS**
[54] **MODELE IN VITRO DU MICROBIOME INTESTINAL HUMAIN ET UTILISATIONS ASSOCIEES DANS L'ANALYSE DE L'IMPACT DE XENOBIOTIQUES**
[72] TRAMONTANO, MELANIE, DE
[72] PATIL, KIRAN RAOSAHEB, DE
[72] KLUNEMANN, MARTINA, DE
[72] PRUTEANU, MIHAELA, DE
[72] MAIER, LISA, DE
[72] KUHN, MICHAEL, DE
[72] ANDREJEV, SERGEJ, DE
[72] KIM, YONGKYU, DE
[72] BORK, PEER, DE
[72] TYPAS, ATHANASIOS, DE
[72] ZELLER, GEORG, DE
[71] EUROPEAN MOLECULAR BIOLOGY LABORATORY, DE
[85] 2020-07-31
[86] 2019-02-06 (PCT/EP2019/052836)
[87] (WO2019/154823)
[30] EP (18155278.7) 2018-02-06

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[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01) C07K 7/64 (2006.01)**
[25] EN
[54] **COMPOUND FOR INTRAOPERATIVE MOLECULAR BIOIMAGING, METHOD OF MAKING THE SAME, USE THEREOF IN INTRAOPERATIVE MOLECULAR BIOIMAGING AND SURGICAL METHOD COMPRISING INTRAOPERATIVE MOLECULAR BIOIMAGING**
[54] **COMPOSE POUR BIOIMAGERIE MOLECULAIRE PEROPERATOIRE, SON PROCEDE DE FABRICATION, SON UTILISATION DANS LA BIOIMAGERIE MOLECULAIRE PEROPERATOIRE ET PROCEDE CHIRURGICAL COMPRENANT UNEBIOIMAGERIE MOLECULAIRE PEROPERATOIRE**
[72] NIEBERLER, MARKUS, DE
[72] REICHART, FLORIAN, CH
[72] KESSLER, HORST, DE
[71] KLINIKUM RECHTS DER ISAR DER TECHNISCHEN UNIVERSITAT MUNCHEN, DE
[71] TECHNISCHE UNIVERSITAET MUNCHEN, DE
[85] 2020-07-31
[86] 2019-02-06 (PCT/EP2019/052883)
[87] (WO2019/154842)
[30] EP (18155264.7) 2018-02-06

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[51] **Int.Cl. A61K 8/31 (2006.01) A61K 8/34 (2006.01) A61K 8/35 (2006.01) A61K 8/60 (2006.01) A61Q 19/04 (2006.01)**
[25] EN
[54] **A TANNING COMPOSITION**
[54] **COMPOSITION DE BRONZAGE**
[72] MONE, REBECCA, GB
[71] UBEAUTY GLOBAL, GB
[85] 2020-07-31
[86] 2019-02-07 (PCT/EP2019/053004)
[87] (WO2019/154910)
[30] GB (1801994.3) 2018-02-07
[30] GB (1807552.3) 2018-05-09

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[13] A1
[51] **Int.Cl. A61B 18/12 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **DUAL-CHANNEL INJECTION BIPOLAR HIGH FREQUENCY ELECTROSURGICAL KNIFE**
[54] **COUTEAU ELECTROCHIRURGICAL A HAUTE FREQUENCE BIPOLAIRE A INJECTION EN DOUBLE CANAL**
[72] TANG, ZHI, CN
[72] FAN, MINGQIAO, CN
[72] XIE, HUAN, CN
[72] LI, CHANGQING, CN
[72] LENG, DERONG, CN
[71] MICRO-TECH (NANJING) CO., LTD., CN
[85] 2020-07-31
[86] 2018-09-07 (PCT/CN2018/104476)
[87] (WO2019/169843)
[30] CN (201810184576.6) 2018-03-07

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[13] A1
[51] **Int.Cl. C07K 14/62 (2006.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01) C07K 1/107 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING ACYLATED DERIVATIVE OF HUMAN INSULIN ANALOG AND PREPARATION METHOD THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN DERIVE ACYLE D'ANALOGUE D'INSULINE HUMAINE ET SON PROCEDE DE PREPARATION**
[72] YANG, XIAORONG, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2020-07-31
[86] 2019-01-31 (PCT/CN2019/074146)
[87] (WO2019/149245)
[30] CN (201810099660.8) 2018-02-01

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[13] A1
[51] **Int.Cl. G01M 11/02 (2006.01)**
[25] EN
[54] **MULTI-WAVELENGTH WAVEFRONT SYSTEM AND METHOD FOR MEASURING DIFFRACTIVE LENSES**
[54] **SYSTEME DE FRONT D'ONDE A LONGUEURS D'ONDE MULTIPLES ET PROCEDE DE MESURE DE LENTILLES DE DIFFRACTION**
[72] ROSEN, ROBERT, NL
[72] STATE, MIHAI, NL
[72] VAN DER MOOREN, MARRIE, NL
[72] SUN, MENGCHAN, NL
[72] WEEBER, HENDRIK A., NL
[72] ZUIDEMA, TJEERD, NL
[71] AMO GRONINGEN B.V., NL
[85] 2020-07-31
[86] 2019-02-08 (PCT/EP2019/053213)
[87] (WO2019/155034)
[30] US (62/628,213) 2018-02-08

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[13] A1
[51] **Int.Cl. B01J 2/00 (2006.01) B01J 2/10 (2006.01) B01J 2/28 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **POTASH DUST GRANULATION PROCESS**
[54] **PROCESSUS DE GRANULATION DE POUSSIERE DE POTASSE**
[72] GEINIK, NATALIA, IL
[72] ABU RABEAH, KHALIL, IL
[72] SOCOLOVSKY, RUBEN, IL
[72] LEVY, YACOV, IL
[72] DAKOV, MARINA, IL
[71] DEAD SEA WORKS LTD., IL
[85] 2020-07-31
[86] 2018-11-30 (PCT/IL2018/051315)
[87] (WO2019/167036)
[30] US (62/635,604) 2018-02-27

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[13] A1
[51] **Int.Cl. A61B 6/03 (2006.01) A61B 6/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **METHOD FOR PROCESSING COMPUTED TOMOGRAPHY IMAGING DATA OF A SUSPECT'S RESPIRATORY SYSTEM**
[54] **PROCEDE DE TRAITEMENT DE DONNEES D'IMAGERIE PAR TOMODENSITOMETRIE DU SYSTEME RESPIRATOIRE D'UN SUJET**
[72] SHIN, HOEN-OH, DE
[71] MEDIZINISCHE HOCHSCHULE HANNOVER, DE
[85] 2020-07-31
[86] 2019-03-28 (PCT/EP2019/057874)
[87] (WO2019/185805)
[30] EP (18164933.6) 2018-03-29

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS OF PREDICTING PRE TERM BIRTH FROM PREECLAMPSIA USING METABOLIC AND PROTEIN BIOMARKERS**
[54] **METHODES POUR PREVOIR LA NAISSANCE AVANT TERME EN RAISON D'UNE PREECLAMPSIE AU MOYEN DE BIOMARQUEURS METABOLIQUES ET PROTEIQUES**
[72] TUYTTEN, ROBIN, IE
[72] THOMAS, GREGOIRE, BE
[72] KENNY, LOUISE, IE
[72] BROWN, LESLIE, IE
[71] METABOLOMIC DIAGNOSTICS LIMITED, IE
[85] 2020-07-31
[86] 2019-02-11 (PCT/EP2019/053349)
[87] (WO2019/155075)
[30] GB (1802207.9) 2018-02-09
[30] EP (18172711.6) 2018-05-16

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[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/435 (2006.01) A61P 9/04 (2006.01)**
[25] EN
[54] **PYRAZOLE COMPOUNDS AND PREPARATION THEREOF**
[54] **COMPOSES PYRAZOLES ET LEUR PREPARATION**
[72] SHARMA, SUNIL, IN
[72] JANGID, DINESH, IN
[72] DHAKA, PRIYANKA, IN
[72] MADHWAL, SIDDHARTH, IN
[72] KUMAR, BHARAT, IN
[72] KUMAR, KAPIL, IN
[72] ANAND, RAJDEEP, IN
[72] JAIN, ANURAG, IN
[71] MYOKARDIA, INC., US
[85] 2020-07-31
[86] 2019-02-01 (PCT/IN2019/050076)
[87] (WO2019/150392)
[30] IN (201811003855) 2018-02-01
[30] IN (201811003859) 2018-02-01
[30] IN (201711042921) 2018-05-30

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **EMBEDDED THIRD-PARTY APPLICATION PROGRAMMING INTERFACE TO PREVENT TRANSMISSION OF SENSITIVE DATA**
[54] **INTERFACE DE PROGRAMMATION D'APPLICATION TIERCE INTEGREE POUR EMPECHER LA TRANSMISSION DE DONNEES SENSIBLES**
[72] TALWAR, HRISHI, US
[71] EQUIFAX INC., US
[85] 2020-06-12
[86] 2018-12-13 (PCT/US2018/065376)
[87] (WO2019/118682)
[30] US (62/598,777) 2017-12-14

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[13] A1
[51] **Int.Cl. H04N 19/12 (2014.01) H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/186 (2014.01) H04N 19/61 (2014.01)**
[25] EN
[54] **TRANSFORM SELECTION IN A VIDEO ENCODER AND/OR VIDEO DECODER**
[54] **SELECTION DE TRANSFORMEE DANS UN CODEUR VIDEO ET/OU UN DECODEUR VIDEO**
[72] YU, RUOYANG, SE
[72] ZHANG, ZHI, SE
[72] SJOBERG, RICKARD, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2020-07-31
[86] 2019-07-10 (PCT/EP2019/068548)
[87] (WO2020/011860)
[30] US (62/697,484) 2018-07-13

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[13] A1
[51] **Int.Cl. B21D 26/045 (2011.01) B21D 26/043 (2011.01)**
[25] EN
[54] **FORMING DEVICE**
[54] **DISPOSITIF DE FORMAGE**
[72] YAMAUCHI, KEI, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2020-07-31
[86] 2018-10-10 (PCT/JP2018/037754)
[87] (WO2019/163190)
[30] JP (2018-030848) 2018-02-23

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[13] A1
[51] **Int.Cl. B07C 3/00 (2006.01)**
[25] FR
[54] **MAIL SORTING FACILITY WITH A SHUTTLE ROBOT FOR INJECTING TRAYS ONTO A CONVEYOR**
[54] **INSTALLATION DE TRI DE COURRIER AVEC UN ROBOT NAVETTE D'INJECTION DE BACS SUR CONVOYEUR**
[72] BEAUGRAND, WILFRID, FR
[72] MILORD, CEDRIC, FR
[72] TETAZ-RECEVEUR, PATRICK, FR
[72] PELLEGRIN, LAURENT, FR
[71] SOLYSTIC, FR
[85] 2020-07-31
[86] 2018-12-12 (PCT/FR2018/053220)
[87] (WO2019/158829)
[30] FR (1851194) 2018-02-13

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[13] A1
[51] **Int.Cl. H02K 3/26 (2006.01) H02K 15/00 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC DEVICES**
[54] **DISPOSITIFS ELECTROMAGNETIQUES**
[72] SHIRAZEE, NABEEL AHMED, GB
[71] EPROPELLED LIMITED, GB
[85] 2020-07-31
[86] 2019-02-12 (PCT/GB2019/050367)
[87] (WO2019/155236)
[30] GB (1802254.1) 2018-02-12

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[13] A1
[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/504 (2006.01) C09K 8/66 (2006.01)**
[25] EN
[54] **TREATMENT OF KEROGEN IN SUBTERRANEAN ZONES**
[54] **TRAITEMENT DU KEROGENE DANS DES ZONES SOUTERRAINES**
[72] HULL, KATHERINE LEIGH, US
[72] ABOUSLEIMAN, YOUNANE N., US
[72] JACOBI, DAVID, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-07-31
[86] 2019-01-10 (PCT/US2019/013003)
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[30] US (15/866,933) 2018-01-10

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[51] **Int.Cl. A61J 1/14 (2006.01) A61M 39/00 (2006.01) F16L 37/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR SECURING DEVICE COUPLINGS**
[54] **APPAREIL POUR FIXER DES ACCOUPLEMENTS DE DISPOSITIF**
[72] KRIHELI, MARINO, IL
[72] TAVOR, RAANAN, IL
[71] EQUASHIELD MEDICAL LTD., IL
[85] 2020-07-31
[86] 2018-11-15 (PCT/IL2018/051233)
[87] (WO2019/167035)
[30] IL (257778) 2018-02-27

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[13] A1
[51] **Int.Cl. H04W 24/04 (2009.01) H04W 16/26 (2009.01) H04W 84/00 (2009.01) B64C 39/02 (2006.01) B64D 47/02 (2006.01) H04B 7/185 (2006.01)**
[25] EN
[54] **HAPS COOPERATIVE FLIGHT SYSTEM**
[54] **SYSTEME DE VOL COORDONNE HAPS**
[72] FUJII, TAKAFUMI, JP
[72] OHTA, YOSHICHIKA, JP
[72] HOSHINO, KENJI, JP
[71] SOFTBANK CORP., JP
[85] 2020-07-31
[86] 2019-01-22 (PCT/JP2019/001917)
[87] (WO2019/155872)
[30] JP (2018-018968) 2018-02-06

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[13] A1
[51] **Int.Cl. A61K 8/73 (2006.01) A61K 8/03 (2006.01) A61K 8/04 (2006.01) A61Q 19/00 (2006.01) C08B 30/02 (2006.01) B01D 21/26 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **USE OF NON-DISSOLVED STARCH BASED PARTICLES**
[54] **UTILISATION DE PARTICULES A BASE D'AMIDON NON DISSOUS**
[72] SJOO, MALIN, SE
[72] ALI, ABDULLAH, SE
[72] BEDI, JASMINE, SE
[71] SPEXIMO AB, SE
[85] 2020-07-31
[86] 2019-02-01 (PCT/SE2019/050090)
[87] (WO2019/151936)
[30] SE (1850124-7) 2018-02-02

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[13] A1
[51] **Int.Cl. G16H 10/00 (2018.01) G16H 10/20 (2018.01) G16H 10/40 (2018.01) G16H 10/60 (2018.01)**
[25] EN
[54] **EARLY FEEDBACK OF DISEASE FACTORS TO IMPROVE PATIENT QUALITY OF LIFE, ENGAGEMENT AND PERSISTENCE**
[54] **RETROACTION PRECOCE DE FACTEURS DE MALADIE POUR AMELIORER LA QUALITE DE VIE, L'ENGAGEMENT ET LA PERSISTANCE D'UN PATIENT**
[72] MIAN, ALEC, US
[72] VIVES-MESTRES, MARINA, US
[72] CABRERA, TAKEICHI KANZAKI, US
[72] BARREIROS, FRANCISCO VAZQUEZ, US
[71] CURELATOR, INC., US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016094)
[87] (WO2019/152675)
[30] US (62/624,449) 2018-01-31

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[13] A1
[25] EN
[54] **PUMP DEVICE, IN PARTICULAR SUBMERSIBLE PUMP DEVICE**
[54] **ENSEMBLE POMPE, EN PARTICULIER ENSEMBLE POMPE SUBMERSIBLE**
[72] STAHLE, CARL, CH
[71] FRIDECO AG, CH
[85] 2020-07-24
[86] 2018-12-19 (PCT/EP2018/086013)
[87] (WO2019/122035)
[30] DE (10 2017 131 227.7) 2017-12-22

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/437 (2006.01) A61K 31/4985 (2006.01) A61K 31/506 (2006.01) A61P 3/10 (2006.01) A61P 9/04 (2006.01) A61P 9/12 (2006.01) A61P 43/00 (2006.01) C07D 498/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **NITROGENATED HETEROCYCLIC AMIDE COMPOUND, AND USE THEREOF FOR MEDICAL PURPOSES**
[54] **COMPOSE AMIDE HETEROCYCLIQUE AZOTE ET SON UTILISATION A DES FINS MEDICALES**
[72] MAEBA, TAKAKI, JP
[72] SUZAWA, KOICHI, JP
[72] KOTOKU, MASAYUKI, JP
[72] MASUO, RITSUKI, JP
[72] MOTODA, DAI, JP
[72] YAMAOKA, NOBUTAKA, JP
[71] JAPAN TOBACCO INC., JP
[85] 2020-07-31
[86] 2019-01-30 (PCT/JP2019/003052)
[87] (WO2019/151274)
[30] JP (2018-016328) 2018-02-01

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7052 (2006.01) A61K 35/00 (2006.01)**
[25] EN
[54] **CANCER THERAPEUTIC TARGETING USING MUTANT P53-SPECIFIC SIRNAS**
[54] **CIBLAGE THERAPEUTIQUE DU CANCER A L'AIDE D'ARNSI SPECIFIQUES DE P53 MUTANTS**
[72] SABAPATHY, KANAGA, SG
[71] SINGAPORE HEALTH SERVICES PTE LTD, SG
[85] 2020-07-31
[86] 2019-02-21 (PCT/SG2019/050099)
[87] (WO2019/164451)
[30] SG (10201801432S) 2018-02-21

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[51] **Int.Cl. G01N 21/78 (2006.01) A61B 5/00 (2006.01) G01N 21/84 (2006.01) G06T 7/90 (2017.01) G01N 21/01 (2006.01) G01N 21/77 (2006.01)**
[25] EN
[54] **METHOD AND DEVICES FOR PERFORMING AN ANALYTICAL MEASUREMENT**
[54] **PROCEDES ET DISPOSITIFS DE REALISATION D'UNE MESURE ANALYTIQUE**
[72] LIMBURG, BERND, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-07-31
[86] 2019-02-18 (PCT/EP2019/053993)
[87] (WO2019/158761)
[30] EP (18157426.0) 2018-02-19

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[13] A1
[51] **Int.Cl. B07B 1/12 (2006.01) B07B 1/28 (2006.01) B09B 5/00 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING WIRE-FORM OBJECTS, DEVICE FOR REMOVING WIRE-FORM OBJECTS, AND METHOD FOR PROCESSING ELECTRONIC/ELECTRICAL APPARATUS COMPONENT SCRAP**
[54] **PROCEDE PERMETTANT DE RETIRER DES OBJETS EN FORME DE FIL, DISPOSITIF PERMETTANT DE RETIRER DES OBJETS EN FORME DE FIL ET PROCEDE DE TRAITEMENT DE DECHETS DE COMPOSANTS D'APPAREILS ELECTRONIQUES/ELECTRIQUES**
[72] AOKI, KATSUSHI, JP
[72] SASAOKA, HIDETOSHI, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2020-07-31
[86] 2019-01-30 (PCT/JP2019/003241)
[87] (WO2019/151350)
[30] JP (2018-015525) 2018-01-31

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[13] A1
[51] **Int.Cl. C08G 59/40 (2006.01) C08L 51/04 (2006.01) C09D 163/00 (2006.01) C09J 163/00 (2006.01)**
[25] EN
[54] **COATING COMPOSITIONS**
[54] **COMPOSITIONS DE REVETEMENT**
[72] POLLUM, JR., MARVIN M., US
[72] KRILEY, JOSEPH P., US
[72] NAKAJIMA, MASAYUKI, US
[72] MAKSIMOVIC, LJILJANA, US
[72] REARICK, BRIAN K., US
[72] POWELL, ADAM B., US
[72] FORTMAN, DAVID J., US
[72] PAGNOTTI, LOUBNA, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-07-31
[86] 2018-12-10 (PCT/US2018/064695)
[87] (WO2019/164568)
[30] US (62/628,540) 2018-02-09
[30] US (62/630,473) 2018-02-14

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[13] A1
[51] **Int.Cl. C07C 237/04 (2006.01) A61K 47/50 (2017.01) C07C 231/10 (2006.01)**
[25] EN
[54] **AMINOMETHYL-FUNCTIONALIZED DENATONIUM DERIVATIVES, THEIR PREPARATION AND USE**
[54] **DERIVES DE DENATONIUM FONCTIONNALISES PAR AMINOMETHYLE, LEUR PREPARATION ET LEUR UTILISATION**
[72] MEINEL, LORENZ, DE
[72] LUEHMANN, TESSA, DE
[72] RASCHIG, MARTINA, DE
[71] JULIUS-MAXIMILIANS-UNIVERSITAET WUERZBURG, DE
[85] 2020-07-31
[86] 2019-02-20 (PCT/EP2019/054140)
[87] (WO2019/162289)
[30] EP (18157816.2) 2018-02-21

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[13] A1
[51] **Int.Cl. C22B 1/00 (2006.01) B09B 3/00 (2006.01) C22B 7/00 (2006.01) C22B 11/02 (2006.01) C22B 15/00 (2006.01)**
[25] EN
[54] **PROCESSING METHOD FOR ELECTRONIC/ELECTRIC DEVICE COMPONENT WASTE**
[54] **PROCEDE DE TRAITEMENT DE DECHETS DE COMPOSANTS D'APPAREILS ELECTRONIQUES ET ELECTRIQUES**
[72] AOKI, KATSUSHI, JP
[72] TAKEDA, TSUBASA, JP
[72] OHTSUKA, NORIMASA, JP
[71] JX NIPPON MINING & METALS CORPORATION, JP
[85] 2020-07-31
[86] 2019-01-30 (PCT/JP2019/003242)
[87] (WO2019/151351)
[30] JP (2018-015547) 2018-01-31

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[13] A1
[51] **Int.Cl. A61K 35/76 (2015.01) A61K 35/761 (2015.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) C12N 15/86 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **ADENO-ASSOCIATED VIRUS COMPOSITIONS FOR RESTORING PAH GENE FUNCTION AND METHODS OF USE THEREOF**
[54] **COMPOSITIONS DE VIRUS ADENO-ASSOCIES PERMETTANT DE RESTAURER LA FONCTION DU GENE DE PAH ET PROCEDES D'UTILISATION ASSOCIES**
[72] SEYMOUR, ALBERT BARNES, US
[72] AHMED, SEEMIN SEHER, US
[72] WRIGHT, JASON BOKE, US
[72] DOLLIVE, SERENA NICOLE, US
[72] MCSWIGGEN, JAMES ANTHONY, US
[72] PROUT, JAIME MICHELLE, US
[72] SOOKIASIAN, DANIELLE LAUREN, US
[71] HOMOLOGY MEDICINES, INC., US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016354)
[87] (WO2019/152843)
[30] US (62/625,149) 2018-02-01
[30] US (62/672,377) 2018-05-16

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[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **AN INTEGRATED AIR COOLING AND ARC RESISTANT SYSTEM FOR MEDIUM VOLTAGE DRIVE**
[54] **SYSTEME INTEGRE DE REFROIDISSEMENT D'AIR ET DE RESISTANCE A L'ARC POUR COMMANDE MOYENNE DE TENSION**
[72] IONESCU, BOGDAN CRISTIAN, US
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-07-31
[86] 2019-01-08 (PCT/US2019/012648)
[87] (WO2019/152139)
[30] US (15/887,483) 2018-02-02

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[13] A1
[51] **Int.Cl. B01F 9/00 (2006.01) B01F 9/08 (2006.01) B01F 9/10 (2006.01) B01F 15/00 (2006.01) B01F 15/02 (2006.01)**
[25] EN
[54] **HYGIENIC MIXER**
[54] **MELANGEUR HYGIENIQUE**
[72] SEILER, ANDREAS, DE
[71] MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG, DE
[85] 2020-07-31
[86] 2019-03-08 (PCT/EP2019/055886)
[87] (WO2019/175058)

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 35/761 (2015.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01) C12N 15/861 (2006.01)**
[25] EN
[54] **OLIGODENDROCYTE-SPECIFIC PROMOTER, MIRNA SPECIFIC TO PLP1 GENE, VECTOR INCLUDING SAID PROMOTER AND/OR MIRNA, AND PHARMACEUTICAL COMPOSITION INCLUDING SAID VECTOR**
[54] **PROMOTEUR SPECIFIQUE D'OLIGODENDROGLIE, MICRO-ARN SPECIFIQUE VIS-A-VIS D'UN GENE PLP1, VECTEUR CONTENANT CE PROMOTEUR ET/OU CE MICRO-ARN, ET COMPOSITION PHARMACEUTIQUE CONTENANT CE VECTEUR**
[72] INOUE, KEN, JP
[72] LI, HENG, JP
[72] OKADA, TAKASHI, JP
[72] OHKI, YU, JP
[72] KOIZUMI, MAKOTO, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[71] NATIONAL CENTER OF NEUROLOGY AND PSYCHIATRY, JP
[71] NIPPON MEDICAL SCHOOL FOUNDATION, JP
[85] 2020-07-31
[86] 2019-02-06 (PCT/JP2019/004227)
[87] (WO2019/156115)
[30] JP (2018-019950) 2018-02-07

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01) C07K 16/40 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY WITH TARGETED 4-1BB (CD137) AGONISTS**
[54] **POLYTHERAPIE AVEC DES AGONISTES DE 4-1 BB (CD137) CIBLES**
[72] CLAUS, CHRISTINA, CH
[72] FERRARA KOLLER, CLAUDIA, CH
[72] KLEIN, CHRISTIAN, CH
[72] SAM, JOHANNES, CH
[72] UMANA, PABLO, CH
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-07-31
[86] 2019-03-12 (PCT/EP2019/056067)
[87] (WO2019/175125)
[30] EP (18161340.7) 2018-03-13

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[13] A1
[51] **Int.Cl. C07D 231/38 (2006.01) A61K 31/415 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR INHIBITING TNIK AND MEDICAL USES THEREOF**
[54] **COMPOSES DESTINES A L'INHIBITION DE TNIK ET UTILISATIONS MEDICALES ASSOCIEES**
[72] CHANG, SUNG YOUN, KR
[72] LEE, HYUK, KR
[72] KIM, KI YOUNG, KR
[72] KIM, BUM TAE, KR
[72] KIM, SUNG SOO, KR
[72] KIM, SEONG HWAN, KR
[72] LIM, HWAN JUNG, KR
[72] HEO, JUNG NYOUNG, KR
[72] SHIN, SANG JOON, KR
[72] PARK, SANG YOUN, KR
[71] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR
[71] INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, KR
[85] 2020-07-31
[86] 2019-01-31 (PCT/KR2019/001404)
[87] (WO2019/156439)
[30] KR (10-2018-0015170) 2018-02-07

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) C12N 5/0783 (2010.01) A61K 39/395 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF CANCER INVOLVING MULTI-SPECIFIC BINDING PROTEINS THAT ACTIVATE NATURAL KILLER CELLS**
[54] **POLYTHERAPIE DE CANCER IMPLIQUANT DES PROTEINES DE LIAISON MULTI-SPECIFIQUES QUI ACTIVENT DES CELLULES TUEUSES NATURELLES**
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] GRINBERG, ASYA, US
[72] GUTIERREZ, EVA, US
[72] HANEY, WILLIAM, US
[72] WAGTMANN, NICOLAI, US
[72] LUNDE, BRADLEY M., US
[72] PRINZ, BIANKA, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[85] 2020-07-31
[86] 2019-02-08 (PCT/US2019/017284)
[87] (WO2019/157332)
[30] US (62/628,178) 2018-02-08

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[13] A1
[51] **Int.Cl. B32B 13/02 (2006.01) E06B 1/56 (2006.01) E06B 1/62 (2006.01)**
[25] EN
[54] **ARTICLE INCLUDING COMPOSITE LAYER AND METHOD OF MAKING THE ARTICLE**
[54] **ARTICLE COMPRENANT UNE COUCHE COMPOSITE ET SON PROCEDE DE FABRICATION**
[72] WIDENBRANT, MARTIN J. O., US
[72] SEABAUGH, TAYLOR M., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016002)
[87] (WO2019/152621)
[30] US (62/624,332) 2018-01-31

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[13] A1
[51] **Int.Cl. A61K 31/522 (2006.01) A23L 33/10 (2016.01) A61K 31/197 (2006.01) A61K 31/437 (2006.01) A61P 21/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING AND TREATING MUSCULAR DISEASE**
[54] **COMPOSITION DESTINEE A PREVENIR ET A TRAITER UNE MALADIE MUSCULAIRE**
[72] KIM, YI-RANG, KR
[72] CHOI, JIN-WOO, KR
[71] ONCOCROSS CO.,LTD., KR
[85] 2020-07-31
[86] 2019-04-17 (PCT/KR2019/004631)
[87] (WO2019/208968)
[30] KR (10-2018-0047957) 2018-04-25

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **ANTIBODY VARIABLE DOMAINS TARGETING THE NKG2D RECEPTOR**
[54] **DOMAINES VARIABLES D'ANTICORPS CIBLANT LE RECEPTEUR NKG2D**
[72] CHANG, GREGORY P., US
[72] CHEUNG, ANN F., US
[72] GRINBERG, ASYA, US
[72] HANEY, WILLIAM, US
[72] LUNDE, BRADLEY M., US
[72] PRINZ, BIANKA, US
[71] DRAGONFLY THERAPEUTICS, INC., US
[85] 2020-07-31
[86] 2019-02-08 (PCT/US2019/017330)
[87] (WO2019/157366)
[30] US (62/628,161) 2018-02-08
[30] US (62/716,259) 2018-08-08

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[13] A1
[51] **Int.Cl. A61F 7/02 (2006.01) A61F 7/00 (2006.01) A61H 7/00 (2006.01)**
[25] EN
[54] **PERSONAL CARE TOOL FOR COOLING AND TREATING SKIN**
[54] **ACCESSOIRE DE SOINS PERSONNELS POUR LE REFROIDISSEMENT ET LE TRAITEMENT DE LA PEAU**
[72] CHATEAUVERT, MATTHEW, US
[72] TENNANT, HEIDI, US
[72] KASSOUF, JOYCE, US
[72] WILSON, DAVID, US
[72] PALMER QUINTANO, JENNIFER, US
[71] ELC MANAGEMENT LLC, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016026)
[87] (WO2019/152635)
[30] US (15/887,581) 2018-02-02

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[13] A1
[51] **Int.Cl. A61M 37/00 (2006.01) A61B 90/00 (2016.01)**
[25] EN
[54] **DEVICE AND NEEDLE MODULE FOR PUNCTURING SKIN**
[54] **DISPOSITIF ET MODULE D'AIGUILLE POUR PERFORER LA PEAU**
[72] KORTENHORST, ROLAND WERNER FRANCOIS, NL
[71] MEDICAL PRECISION B.V., NL
[85] 2020-07-31
[86] 2018-12-06 (PCT/NL2018/050815)
[87] (WO2019/112430)
[30] NL (2020030) 2017-12-06
[30] NL (2020710) 2018-04-04
[30] NL (2020818) 2018-04-24

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY USING A CHIMERIC ANTIGEN RECEPTOR**
[54] **POLYTHERAPIE UTILISANT UN RECEPTEUR ANTIGENIQUE CHIMERIQUE**
[72] JUNE, CARL H., US
[72] WATANABE, KEISUKE, JP
[72] GUEDAN CARRIO, SONIA, ES
[72] HEMMINKI, AKSELI, FI
[72] SCHOLLER, JOHN, US
[72] YOUNG, REGINA M., US
[71] NOVARTIS AG, CH
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016070)
[87] (WO2019/152660)
[30] US (62/624,707) 2018-01-31

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01)**
[25] EN
[54] **GLYPICAN 3 ANTIBODIES AND CONJUGATES THEREOF**
[54] **ANTICORPS DE GLYPICANE 3 ET LEURS CONJUGUES**
[72] BIECHELE, TRAVIS, US
[72] ARTHUR, WILLIAM, US
[72] BURKE, PATRICK, US
[72] WESTENDORF, LORI, US
[71] SEATTLE GENETICS, INC., US
[85] 2020-07-31
[86] 2019-02-15 (PCT/US2019/018182)
[87] (WO2019/161174)
[30] US (62/631,353) 2018-02-15

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[13] A1
[51] **Int.Cl. H01R 43/04 (2006.01) H01R 43/042 (2006.01)**
[25] EN
[54] **CRIMPING TOOL WITH WIRELESS COMMUNICATION SYSTEM**
[54] **OUTIL DE SERTISSAGE A SYSTEME DE COMMUNICATION SANS FIL**
[72] COUCH, CASEY, US
[72] BARTHOLOMEW, PAUL, US
[72] DE-LA-BORBOLLA, IAN RUBIN, US
[71] ABB SCHWEIZ AG, CH
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016115)
[87] (WO2019/152689)
[30] US (62/624,194) 2018-01-31

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[13] A1
[51] **Int.Cl. A61L 31/04 (2006.01) A61F 2/07 (2013.01) A61L 31/10 (2006.01) A61L 31/14 (2006.01)**
[25] EN
[54] **ULTRA-LOW PROFILE WOVEN, KNITTED, AND BRAIDED TEXTILES AND TEXTILE COMPOSITES MADE WITH HIGH TENACITY YARN**
[54] **TEXTILES TISSES, TRICOTES ET TRESSES A PROFILE ULTRA-FAIBLE ET COMPOSITES TEXTILES FABRIQUES AVEC UN FIL A TENACITE ELEVEE**
[72] WEBER, AMANDA, US
[72] TASCAN, MEVLUT, US
[72] SMOOT, CARISSA, US
[72] METZGER, ANDREW, US
[71] THE SECANT GROUP, LLC, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016146)
[87] (WO2019/152709)
[30] US (62/624,546) 2018-01-31

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[13] A1
[51] **Int.Cl. H04N 21/4363 (2011.01)**
[25] EN
[54] **REDUCING WIRELESS INTERFERENCE FROM A WIRED DIGITAL INTERFACE**
[54] **REDUCTION DES INTERFERENCES SANS FIL PROVENANT D'UNE INTERFACE NUMERIQUE FILAIRE**
[72] ZEIDLER, DAVID E., US
[71] ARRIS ENTERPRISES LLC, US
[85] 2020-07-31
[86] 2019-01-31 (PCT/US2019/016196)
[87] (WO2019/156893)
[30] US (15/889,465) 2018-02-06

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[13] A1
[51] **Int.Cl. A23L 3/34 (2006.01) A23B 4/14 (2006.01) A23B 4/18 (2006.01) A23B 4/20 (2006.01) A23B 4/24 (2006.01) A23L 3/3454 (2006.01) A23L 3/3463 (2006.01) A23L 3/3481 (2006.01) A23L 3/3508 (2006.01) A23L 3/358 (2006.01)**
[25] EN
[54] **MULTI STEP ANTI-MICROBIAL INTERVENTION PROCESS UTILIZING AN OXIDIZING TREATMENT FOLLOWED BY A LOW PH TREATMENT**
[54] **PROCEDE D'INTERVENTION ANTIMICROBIENNE A ETAPES MULTIPLES UTILISANT UN TRAITEMENT OXYDANT SUIVI D'UN TRAITEMENT A FAIBLE PH**
[72] MECCIA, JOHN, US
[72] DAUTREUIL, FRANCIS, US
[72] COLE, INGRID, US
[71] CMS TECHNOLOGY, INC., US
[85] 2020-08-03
[86] 2019-02-01 (PCT/US2019/016323)
[87] (WO2019/152826)
[30] US (62/625,608) 2018-02-02

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[13] A1
[51] **Int.Cl. B60J 7/10 (2006.01) B60J 7/08 (2006.01) B60P 7/04 (2006.01)**
[25] EN
[54] **DUAL MODE, EASY TO SERVICE TARP**
[54] **BACHE A DOUBLE MODE, FACILE A ENTRETENIR**
[72] KARTES, SCOTT, US
[72] HINES, SHANE, US
[72] HUNTER, STEPHEN, US
[71] ROLL RITE, LLC, US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016355)
[87] (WO2019/152844)
[30] US (62/625,357) 2018-02-02

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[13] A1
[51] **Int.Cl. A61K 31/196 (2006.01) A61P 25/00 (2006.01) A61P 27/16 (2006.01)**
[25] EN
[54] **USE OF (1S,3S)-3-AMINO-4-(DIFLUOROMETHYLIDENE) CYCLOPENTANE-1-CARBOXYLIC ACID AND (S)-3-AMINO-4-(DIFLUOROMETHYLENYL)CYCLOPENT-1-ENE-1-CARBOXYLIC ACID IN THE TREATMENT OF TINNITUS, ACUTE SENSORINEURAL HEARING LOSS, MENIERE'S DISEASE, TOURETTE'S SYNDROME, ATTENTION DEFICIT HYPERACTIVITY DISORDER AND ADDICTION**
[54] **UTILISATION D'ACIDE (1S,3S)-3-AMINO-4-(DIFLUOROMETHYLIDENE)CYCLOPENTANE-1-CARBOXYLIQUE ET D'ACIDE (S)-3-AMINO-4-(DIFLUOROMETHYLENYL)CYCLOPENT-1-ENE-1-CARBOXYLIQUE DANS LE TRAITEMENT DES ACOUPHENES, DE LA SURDITE DE PERCEPTION AIGUE, DE LA MALADIE DE MENIERE, DU SYNDROME DE TOURETTE, DU TROUBLE DU DEFICIT DE L'ATTENTION AVEC HYPERACTIVITE ET DE LA DEPENDANC**
[72] DURING, MATTHEW, US
[71] OVID THERAPEUTICS INC., US
[85] 2020-07-31
[86] 2019-02-08 (PCT/US2019/017201)
[87] (WO2019/157273)
[30] US (62/628,020) 2018-02-08
[30] US (62/628,541) 2018-02-09

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[13] A1
[51] **Int.Cl. G01N 33/573 (2006.01) C12N 9/42 (2006.01) C12Q 1/34 (2006.01)**
[25] EN
[54] **CHITINASE PROTEINS IN NEUROLOGIC DISEASE**
[54] **PROTEINES DE TYPE CHITINASE DANS LA MALADIE NEUROLOGIQUE**
[72] BOWSER, ROBERT, US
[72] VU, LUCAS, US
[71] DIGNITY HEALTH, US
[85] 2020-07-31
[86] 2019-02-26 (PCT/US2019/019671)
[87] (WO2019/165472)
[30] US (62/634,984) 2018-02-26
[30] US (62/639,273) 2018-03-06

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[13] A1
[51] **Int.Cl. B63H 11/10 (2006.01) B05B 15/70 (2018.01) B63H 11/113 (2006.01)**
[25] EN
[54] **EXPANDING FLOW NOZZLE**
[54] **BUSE D'ECOULEMENT A EXPANSION**
[72] PIKOR, EMILY J., US
[71] RAYTHEON COMPANY, US
[85] 2020-07-31
[86] 2019-02-08 (PCT/US2019/017250)
[87] (WO2020/013887)
[30] US (15/895,304) 2018-02-13

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[13] A1
[51] **Int.Cl. A61K 31/568 (2006.01) A61K 9/00 (2006.01) A61P 5/06 (2006.01) A61P 5/26 (2006.01) A61P 15/00 (2006.01)**
[25] EN
[54] **METHODS OF TESTOSTERONE THERAPY**
[54] **PROCEDES DE THERAPIE A LA TESTOSTERONE**
[72] WESTFIELD, GERWIN, US
[72] ZWIERKO, MARGAUX, US
[72] RAMASAMY, RANJITH, US
[72] BRYSON, NATHAN, CA
[71] AYTU BIOSCIENCE, INC., US
[71] ACERUS BIOPHARMA INC., CA
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016373)
[87] (WO2019/152854)
[30] US (62/625,653) 2018-02-02
[30] US (62/756,976) 2018-11-07

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[13] A1
[51] **Int.Cl. G16H 40/60 (2018.01) A61B 5/00 (2006.01) A61B 5/04 (2006.01) A61B 5/145 (2006.01) A61M 5/172 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **METHOD FOR ADAPTIVE CONTROL OF A MEDICAL DEVICE USING BAYESIAN OPTIMIZATION**
[54] **PROCEDE DE COMMANDE ADAPTATIVE D'UN DISPOSITIF MEDICAL A L'AIDE D'UNE OPTIMISATION BAYESIENNE**
[72] GRADO, LOGAN, US
[72] NETOFF, THEODEN, US
[72] LAMPERSKI, ANDY, US
[72] MOORE, BRYAN, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016380)
[87] (WO2019/152858)
[30] US (62/625,134) 2018-02-01

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[13] A1
[51] **Int.Cl. B41F 17/00 (2006.01) B41F 17/18 (2006.01) B41F 17/28 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS OF DECORATING A METALLIC CONTAINER BY DIGITAL PRINTING TO A TRANSFER BLANKET**
[54] **PROCEDE ET APPAREIL DE DECORATION D'UN RECIPIENT METALLIQUE PAR IMPRESSION NUMERIQUE SUR BLANCHET DE TRANSFERT**
[72] STOWITTS, ADAM P.S., US
[71] BALL CORPORATION, US
[85] 2020-08-01
[86] 2019-02-08 (PCT/US2019/017301)
[87] (WO2019/157346)
[30] US (15/893,364) 2018-02-09

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOUND, SALTS THEREOF, FORMULATIONS THEREOF, AND METHODS OF MAKING AND USING SAME**
[54] **COMPOSE PHARMACEUTIQUE, SELS DE CELUI-CI, FORMULATIONS DE CELUI-CI, ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELUI-CI**
[72] NAGAPUDI, KARTHIK, US
[72] LIU, YUAN, US
[72] WANG, SHUAI, US
[72] ZHANG, WEI, US
[72] BLATTER, FRITZ, CH
[72] SASTRY, SRIKONDA, US
[72] LEUNG, MANSHIU, US
[72] RADHAKRISHNAN, RAMACHANDRAN, US
[72] TANDALE, RAJENDRA S., US
[72] PILSL, LUDWIG, US
[72] MULLER, ROLAND, US
[72] FRIESER, MARKUS, US
[72] CZAUDERNA, CHRISTINE, US
[72] FISHER, LAWRENCE EMERSON, US
[71] GENENTECH, INC., US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016386)
[87] (WO2019/152863)
[30] CN (PCT/CN2018/075023) 2018-02-02

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[13] A1
[51] **Int.Cl. A61K 39/02 (2006.01) A61K 39/39 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **TOLL-LIKE RECEPTOR LIGANDS**
[54] **LIGANDS DU RECEPTEUR DE TYPE TOLL**
[72] BAZIN-LEE, HELENE, US
[72] ETTENGER, GEORGE, US
[72] KHALAF, JUHIENAH, US
[72] RYTER, KENDAL T., US
[71] INIMMUNE CORPORATION, US
[85] 2020-07-31
[86] 2019-02-12 (PCT/US2019/017669)
[87] (WO2019/157509)
[30] US (62/629,513) 2018-02-12

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) A61K 31/7068 (2006.01) A61P 35/00 (2006.01) C07H 19/10 (2006.01)**
[25] EN
[54] **NOVEL SMALL MOLECULE DRUG CONJUGATES OF GEMCITABINE DERIVATIVES**
[54] **NOUVEAUX CONJUGUES DE MEDICAMENTS A PETITES MOLECULES DE DERIVES DE GEMCITABINE**
[72] EVERETT, STEVEN ALBERT, US
[72] COBURN, CRAIG ALAN, US
[71] MAVERIX ONCOLOGY, INC., US
[85] 2020-07-31
[86] 2019-02-04 (PCT/US2019/016477)
[87] (WO2019/152911)
[30] US (62/625,779) 2018-02-02

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[13] A1
[51] **Int.Cl. A61M 16/06 (2006.01) A61L 2/10 (2006.01) A61M 16/04 (2006.01) A61M 16/08 (2006.01) A61M 16/10 (2006.01)**
[25] EN
[54] **SELF-SANITIZING RESPIRATORY ASSEMBLY AND METHODS OF MAKING AND USING THE SAME**
[54] **ENSEMBLE RESPIRATOIRE AUTO-DESINFECTANT ET PROCEDES DE FABRICATION ET D'UTILISATION DE CELUI-CI**
[72] HEATHERINGTON, STUART, US
[71] SNAP CPAP, LLC, US
[85] 2020-07-31
[86] 2019-02-04 (PCT/US2019/016478)
[87] (WO2019/156921)
[30] US (62/627,800) 2018-02-08
[30] US (62/640,633) 2018-03-09

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[13] A1
[51] **Int.Cl. A61N 1/372 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS TO SENSE STIMULATION ELECTRODE TISSUE IMPEDANCE**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE DETECTER UNE IMPEDANCE ELECTRODE DE STIMULATION-TISSU**
[72] PERRYMAN, LAURA TYLER, US
[72] LARSON, PATRICK, US
[72] LEBARON, RICHARD, US
[71] STIMWAVE TECHNOLOGIES INCORPORATED, US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016395)
[87] (WO2019/152870)
[30] US (62/624,982) 2018-02-01

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **IRAK DEGRADERS AND USES THEREOF**
[54] **COMPOSES DEGRADANT LES IRAK ET UTILISATIONS DE CES DERNIERS**
[72] GRAY, NATHANAEL S., US
[72] HATCHER, JOHN, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-07-31
[86] 2019-02-13 (PCT/US2019/017800)
[87] (WO2019/160915)
[30] US (62/630,538) 2018-02-14

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[13] A1
[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/83 (2006.01) B01J 20/02 (2006.01)**
[25] EN
[54] **CHEMICAL SORBENT OXIDATION METHOD AND SORBENTS MADE THEREFROM**
[54] **PROCEDE D'OXYDATION DE SORBANT CHIMIQUE ET SORBANTS FABRIQUES A PARTIR DE CELUI-CI**
[72] TRAMPOSCH, WALTER G., US
[72] WALKER, RYAN, US
[71] CALGON CARBON CORPORATION, US
[85] 2020-07-31
[86] 2019-02-13 (PCT/US2019/017878)
[87] (WO2019/160977)
[30] US (62/630,058) 2018-02-13

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[13] A1
[51] **Int.Cl. A61L 9/03 (2006.01) A61M 11/00 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **ELECTRICAL CONDENSATION AEROSOL DEVICE**
[54] **DISPOSITIF AEROSOL A CONDENSATION ELECTRIQUE**
[72] HASEGAWA, DAVID KOJI, US
[72] LEI, MINGZU, US
[72] TONG, GILBERT T., US
[71] ALEXZA PHARMACEUTICALS, INC., US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016398)
[87] (WO2019/152873)
[30] US (62/625,757) 2018-02-02
[30] US (62/626,388) 2018-02-05
[30] US (62/626,396) 2018-02-05

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 3/04 (2006.01) B82Y 5/00 (2011.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF OBESITY AND OBESITY-RELATED DISORDERS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'OBESITE ET DES TROUBLES ASSOCIES**
[72] MANSELL, JOHN, US
[71] MANSELL, JOHN, US
[85] 2020-07-31
[86] 2019-02-01 (PCT/US2019/016419)
[87] (WO2019/152889)
[30] US (62/625,688) 2018-02-02

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **MULTI-DIMENSIONAL ORGANIZATION OF DATA FOR EFFICIENT ANALYSIS**
[54] **ORGANISATION MULTIDIMENSIONNELLE DE DONNEES POUR ANALYSE EFFICIENTE**
[72] KNUFF, COLLEEN, US
[72] NOORANI, RIZ, US
[72] BROUGHTON, ANDREW, US
[72] ESTERHELD, JENNIFER, US
[72] HERRERA, LINA M., US
[72] MYOTT, RICHARD, US
[72] PATTON, DAVID CHRISTOPHER, US
[72] GAGNON, JOHN C., US
[72] CALISE, STEVEN, US
[71] WOLTERS KLUWER FINANCIAL SERVICES, INC., US
[85] 2020-07-31
[86] 2019-02-14 (PCT/US2019/017915)
[87] (WO2019/168677)
[30] US (15/906,641) 2018-02-27

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) C07C 45/61 (2006.01) C07D 213/61 (2006.01) C07D 231/54 (2006.01) C07D 231/56 (2006.01) C07D 339/06 (2006.01) C07D 401/12 (2006.01) C07D 495/10 (2006.01)**
[25] EN
[54] **METHODS AND INTERMEDIATES FOR PREPARING A THERAPEUTIC COMPOUND USEFUL IN THE TREATMENT OF RETROVIRIDAE VIRAL INFECTION**
[54] **PROCEDES ET INTERMEDIAIRES POUR PREPARER UN COMPOSE THERAPEUTIQUE UTILE DANS LE TRAITEMENT D'UNE INFECTION VIRALE PAR RETROVIRIDAE**
[72] ALLAN, KEVIN MCCORMACK, US
[72] VANDEHEY, AMANDA LYNN, US
[72] BRIZGYS, GEDIMINAS, US
[72] DHAR, SACHIN, US
[72] DOXSEE, IAN JAMES, US
[72] GOLDBERG, ALEX, US
[72] HEUMANN, LARS V., US
[72] HUANG, ZILIN, US
[72] KADUNCE, NATHANIEL THOMAS, US
[72] KAZERANI, SHAHROKH, US
[72] LEW, WILLARD, US
[72] NGO, VINH XUAN, US
[72] O'KEEFE, BRIAN MICHAEL, US
[72] RAINEY, TREVOR JAMES, US
[72] ROBERTS, BENJAMIN JAMES, US
[72] SHI, BING, US
[72] STEINHUEBEL, DIETRICH P., US
[72] TSE, WINSTON C., US
[72] WAGNER, ANNA MICHELLE, US
[72] WANG, XIANGHONG, US
[72] WOLCKENHAUER, SCOTT ALAN, US
[72] WONG, CHLOE YUYI, US
[72] ZHANG, JENNIFER R., US
[71] GILEAD SCIENCES, INC., US
[85] 2020-07-31
[86] 2019-02-15 (PCT/US2019/018323)
[87] (WO2019/161280)
[30] US (62/710,575) 2018-02-16

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[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01) G06T 19/00 (2011.01) G02B 27/01 (2006.01) G06F 3/01 (2006.01) H04R 1/10 (2006.01) H04R 3/12 (2006.01) H04R 25/00 (2006.01)**
[25] EN
[54] **DUAL LISTENER POSITIONS FOR MIXED REALITY**
[54] **DOUBLE POSITION D'ECOUTE POUR LA REALITE MIXTE**
[72] TAJIK, ANASTASIA ANDREYEVNA, US
[71] MAGIC LEAP, INC., US
[85] 2020-07-31
[86] 2019-02-15 (PCT/US2019/018369)
[87] (WO2019/161314)
[30] US (62/631,422) 2018-02-15

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[13] A1
[51] **Int.Cl. E03B 7/12 (2006.01) E03B 9/02 (2006.01)**
[25] EN
[54] **ADJUSTABLE ANTI-FREEZE FAUCET**
[54] **ROBINET ANTIGEL REGLABLE**
[72] FOSTER, DANIEL, US
[72] WILLIAMS, MATTHEW, US
[71] THE MOSACK GROUP, INC., US
[85] 2020-07-31
[86] 2019-02-19 (PCT/US2019/018482)
[87] (WO2019/161356)
[30] US (62/632,314) 2018-02-19

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[13] A1
[51] **Int.Cl. A61N 1/00 (2006.01)**
[25] EN
[54] **DEVICES, METHODS, AND SYSTEMS FOR THE TREATMENT AND/OR MONITORING OF DAMAGED TISSUE**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES POUR LE TRAITEMENT ET/OU LA SURVEILLANCE D'UN TISSU ENDOMMAGE**
[72] LAWSON, DARYL, US
[72] ARENA, CHRISTOPHER BRIAN, US
[71] ADLORE, INC., US
[85] 2020-07-31
[86] 2019-02-05 (PCT/US2019/016596)
[87] (WO2019/156951)
[30] US (62/627,028) 2018-02-06

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[13] A1
[51] **Int.Cl. A61M 5/145 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **SURFACE TEXTURIZATION FOR ROLLING DIAPHRAGM SYRINGE**
[54] **TEXTURISATION DE SURFACE POUR SERINGUE A DIAPHRAGME ROULANT**
[72] COWAN, KEVIN, US
[72] SPOHN, MICHAEL, US
[72] SWANTNER, MICHAEL, US
[72] MIERZWIAK, JAMES, US
[72] BERRY, DAVID, US
[72] TUCKER, BARRY, US
[72] UBER, III, ARTHUR, US
[71] BAYER HEALTHCARE LLC, US
[85] 2020-07-31
[86] 2019-02-05 (PCT/US2019/016621)
[87] (WO2019/152978)
[30] US (62/626,400) 2018-02-05

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR SUTURE MANAGEMENT AND METHODS THEREOF**
[54] **APPAREIL DE GESTION DE SUTURE ET METHODES ASSOCIEES**
[72] SAUER, JUDE S., US
[71] LSI SOLUTIONS, INC., US
[85] 2020-07-31
[86] 2019-02-05 (PCT/US2019/016656)
[87] (WO2019/152993)
[30] US (62/626,181) 2018-02-05

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[13] A1
[51] **Int.Cl. A61B 17/062 (2006.01)**
[25] EN
[54] **SUTURING DEVICE FOR MINIMALLY INVASIVE SURGERY**
[54] **DISPOSITIF DE SUTURE POUR CHIRURGIE A EFFRACTION MINIMALE**
[72] SAUER, JUDE S., US
[71] LSI SOLUTIONS, INC., US
[85] 2020-07-31
[86] 2019-02-05 (PCT/US2019/016665)
[87] (WO2019/152997)
[30] US (15/889,107) 2018-02-05

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[13] A1
[51] **Int.Cl. G01T 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PORTABLE DIGITAL X-RAY IMAGING**
[54] **SYSTEMES ET PROCEDES DE RADIOGRAPHIE NUMERIQUE PORTABLE**
[72] GIROUARD, BRIAN, US
[72] BOURN, JASON, US
[72] BENSON, PAUL, US
[72] STOCKLY, GRANT, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-07-31
[86] 2019-02-07 (PCT/US2019/017041)
[87] (WO2019/157175)
[30] US (62/627,464) 2018-02-07
[30] US (62/627,473) 2018-02-07
[30] US (62/627,469) 2018-02-07
[30] US (62/627,466) 2018-02-07
[30] US (16/269,453) 2019-02-06

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[13] A1
[51] **Int.Cl. G01T 7/00 (2006.01)**
[25] EN
[54] **RADIOGRAPHY BACKSCATTER SHIELDS AND X-RAY IMAGING SYSTEMS INCLUDING BACKSCATTER SHIELDS**
[54] **BLINDAGES DE RETRODIFFUSION DE RADIOGRAPHIE ET SYSTEMES D'IMAGERIE PAR RAYONS X COMPRENANT DES BLINDAGES DE RETRODIFFUSION**
[72] GIROUARD, BRIAN, US
[72] BOURN, JASON, US
[72] BENSON, PAUL, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-07-31
[86] 2019-02-07 (PCT/US2019/017047)
[87] (WO2019/157179)
[30] US (62/627,466) 2018-02-07
[30] US (62/627,473) 2018-02-07
[30] US (62/627,464) 2018-02-07
[30] US (62/627,469) 2018-02-07
[30] US (16/269,457) 2019-02-06

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[13] A1
[51] **Int.Cl. G01T 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIGITAL X-RAY IMAGING**
[54] **SYSTEMES ET PROCEDES POUR UNE IMAGERIE NUMERIQUE PAR RAYONS X**
[72] BENSON, PAUL, US
[72] GIROUARD, BRIAN, US
[72] BELARBI, AMINE, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-07-31
[86] 2019-02-07 (PCT/US2019/017051)
[87] (WO2019/157182)
[30] US (62/627,469) 2018-02-07
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[30] US (16/269,459) 2019-02-06

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[51] **Int.Cl. A61K 31/282 (2006.01) A61K 31/706 (2006.01)**
[25] EN
[54] **INHALABLE DRY POWDER CYTIDINE ANALOGUE COMPOSITION AND METHOD OF USE AS A TREATMENT FOR CANCER**
[54] **COMPOSITION D'ANALOGUE DE CYTIDINE SOUS FORME DE POUDRE SECHE A INHALER ET SA METHODE D'UTILISATION A TITRE DE TRAITEMENT DU CANCER**
[72] BELINSKY, STEVEN A., US
[72] KUEHL, PHILIP J., US
[72] BADENOCH, AARON, US
[72] BURKE, MICHAEL, US
[72] DUBOSE, DEVON, US
[71] LOVELACE BIOMEDICAL RESEARCH INSTITUTE, US
[85] 2020-07-31
[86] 2019-02-07 (PCT/US2019/017083)
[87] (WO2019/157200)
[30] US (62/627,428) 2018-02-07

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[51] **Int.Cl. F42D 1/10 (2006.01) C06B 23/00 (2006.01) E21B 43/263 (2006.01) E21C 41/00 (2006.01) F42D 1/12 (2006.01) F42D 1/24 (2006.01) F42D 3/00 (2006.01)**
[25] EN
[54] **INHIBITED EMULSIONS FOR USE IN BLASTING IN REACTIVE GROUND OR UNDER HIGH TEMPERATURE CONDITIONS**
[54] **EMULSIONS INHIBEES DESTINEES A ETRE UTILISEES DANS LE SAUTAGE DANS LE SOL REACTIF OU DANS DES CONDITIONS DE TEMPERATURE ELEVEE**
[72] NELSON, CASEY L., US
[72] GORDON, LYNN, US
[72] HUNSAKER, DAVE, US
[72] HALANDER, JOHN B., US
[71] DYNO NOBEL INC., US
[85] 2020-07-31
[86] 2019-02-19 (PCT/US2019/018599)
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[30] US (62/632,818) 2018-02-20
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[25] EN
[54] **COMPOSITIONS FOR TREATMENT OF WET AGE-RELATED MACULAR DEGENERATION**
[54] **COMPOSITIONS POUR LE TRAITEMENT DE LA DEGENERESCENCE MACULAIRE LIEE A L'AGE HUMIDE**
[72] WILSON, JAMES, M., US
[72] YOO, STEPHEN, US
[72] VAN EVEREN, SHERRI, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[71] REGENXBIO INC., US
[85] 2020-07-31
[86] 2019-02-19 (PCT/US2019/018640)
[87] (WO2019/164854)
[30] US (62/632,775) 2018-02-20
[30] US (62/663,532) 2018-04-27

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[51] **Int.Cl. E04D 13/04 (2006.01) E02B 11/00 (2006.01) E04D 11/00 (2006.01)**
[25] EN
[54] **FRICTIONAL DRAINAGE LAYER IN A GREEN ROOF, PAVER, OR SOLAR ASSEMBLY**
[54] **COUCHE DE DRAINAGE PAR FROTTEMENT DANS UN TOIT VEGETALISE, UN PAVAGE OU UN ENSEMBLE SOLAIRE**
[72] WARMERDAM, OSCAR, US
[71] GREEN ROOF SPECIALTY PRODUCTS, LLC, US
[71] WARMERDAM, OSCAR, US
[85] 2020-06-26
[86] 2019-07-16 (PCT/US2019/042086)
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[30] US (62/698,316) 2018-07-16

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[51] **Int.Cl. G06T 15/10 (2011.01) G06T 15/04 (2011.01) G06T 15/08 (2011.01) G06T 19/00 (2011.01) H04N 13/243 (2018.01) H04N 13/257 (2018.01) H04N 13/271 (2018.01) G06T 17/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PRODUCING CONTENT IN MULTIPLE REALITY ENVIRONMENTS**
[54] **PROCEDES ET SYSTEMES DE PRODUCTION DE CONTENU DANS DES ENVIRONNEMENTS A REALITES MULTIPLES**
[72] GEORGE, JAMES, US
[72] PORTER, ALEXANDER, US
[72] SCAFFIDI, TIMOTHY, US
[72] PURVEY, NEIL, US
[72] SHIU, PATRICIA, US
[71] SIMILE INC., US
[85] 2020-07-31
[86] 2019-03-08 (PCT/US2019/021281)
[87] (WO2019/173672)
[30] US (62/640,285) 2018-03-08

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[51] **Int.Cl. A61K 49/18 (2006.01) A61K 6/25 (2020.01) A61K 6/838 (2020.01) A61K 9/14 (2006.01) A61K 33/16 (2006.01) A61K 47/02 (2006.01) A61K 47/36 (2006.01) A61K 49/00 (2006.01)**
[25] EN
[54] **PHOSPHATE CROSSLINKED STARCH NANOPARTICLE AND DENTAL TREATMENTS**
[54] **NANOPARTICULE D'AMIDON RETICULE AU PHOSPHATE ET TRAITEMENTS DENTAIRES**
[72] BLOEMBERGEN, STEVEN, US
[72] JONES, NATHAN A., US
[71] GREENMARK BIOMEDICAL INC., US
[85] 2020-07-31
[86] 2019-03-28 (PCT/US2019/024619)
[87] (WO2019/191456)
[30] US (62/648,986) 2018-03-28
[30] US (62/661,669) 2018-04-24

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/68 (2017.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) A61P 37/06 (2006.01) C07K 16/18 (2006.01) C12P 21/08 (2006.01) G01N 33/577 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING CANCER USING COMBINATIONS OF ANTI-BTNL2 AND IMMUNE CHECKPOINT BLOCKADE AGENTS**
[54] **METHODES DE TRAITEMENT DU CANCER A L'AIDE DE COMBINAISONS D'AGENTS DE BLOCAGE ANTI-BTNL2 ET POINTS DE CONTROLE IMMUNITAIRES**
[72] FREEMAN, GORDON J., US
[72] XIAO, YANPING, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-07-31
[86] 2019-02-27 (PCT/US2019/019724)
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[30] US (62/636,236) 2018-02-28

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[13] A1
[51] **Int.Cl. C10M 169/04 (2006.01)**
[25] EN
[54] **VEGETABLE OILS WITH IMPROVED LOW TEMPERATURE STORAGE STABILITY**
[54] **HUILES VEGETALES AYANT UNE STABILITE DE STOCKAGE A BASSE TEMPERATURE AMELIOREE**
[72] SIRAK, SOFIA, US
[72] LANGSTON, JUSTIN, US
[72] WALKUP, GABRIEL, US
[72] MCGREGOR, THOMAS, US
[72] MCFADDEN, BENJAMIN, US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-08-03
[86] 2019-02-05 (PCT/EP2019/052698)
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[30] US (62/627,323) 2018-02-07
[30] EP (18168217.0) 2018-04-19

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[13] A1
[51] **Int.Cl. G05B 19/4099 (2006.01)**
[25] EN
[54] **A PRINTER FOR PRINTING A 3D OBJECT**
[54] **IMPRIMANTE PERMETTANT D'IMPRIMER UN OBJET 3D**
[72] GAY, JEREMIE PIERRE, DK
[72] VAJDA, ZOLTAN TAMAS, DK
[71] CREATE IT REAL APS, DK
[85] 2020-08-03
[86] 2019-02-05 (PCT/EP2019/052727)
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[30] DK (PA 2018 70069) 2018-02-05

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[51] **Int.Cl. G21C 7/14 (2006.01) G21C 15/02 (2006.01) G21C 1/32 (2006.01)**
[25] FR
[54] **INTEGRATED NUCLEAR REACTOR ARCHITECTURE LIMITING THE STRESS APPLIED TO THE INTEGRATED MECHANISMS**
[54] **ARCHITECTURE DE REACTEUR NUCLEAIRE INTEGRE LIMITANT LES CONTRAINTES APPLIQUEES AUX MECANISMES INTEGRES**
[72] BRUN, MICHEL, FR
[72] DUMANOIS, CHARLES, FR
[71] SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE, FR
[85] 2020-08-03
[86] 2019-02-08 (PCT/EP2019/053139)
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[30] FR (18 51115) 2018-02-09

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[51] **Int.Cl. C07C 229/26 (2006.01) C07C 229/24 (2006.01) C07C 229/46 (2006.01) C11D 1/10 (2006.01) C11D 11/00 (2006.01) C11D 17/00 (2006.01)**
[25] EN
[54] **HIGHLY STABLE AND ALKALINE CLEANING SOLUTIONS AND SOLUBLE SURFACTANT**
[54] **SOLUTIONS DE NETTOYAGE ALCALINES ET HAUTEMENT STABLES, ET TENSIOACTIF SOLUBLE**
[72] THEINER, ERIC, US
[72] SMITH, BUFORD BRIAN, US
[72] YACOUB, KHALIL, US
[72] MEYERS, LARRY, US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-08-03
[86] 2019-02-05 (PCT/EP2019/052756)
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[30] EP (18155322.3) 2018-02-06

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[13] A1
[51] **Int.Cl. G01F 5/00 (2006.01) G01F 1/32 (2006.01) G01F 7/00 (2006.01) G01F 25/00 (2006.01) G01N 33/00 (2006.01)**
[25] EN
[54] **USING LOCALIZED FLOW CHARACTERISTICS ON ELECTRONIC FLOW METER TO QUANTIFY VOLUMETRIC FLOW**
[54] **UTILISATION DE CARACTERISTIQUES DE DEBIT LOCALISEES SUR UN DEBITMETRE ELECTRONIQUE POUR QUANTIFIER LE DEBIT VOLUMETRIQUE**
[72] ARTIUCH, ROMAN LEON, US
[72] BERKCAN, ERTUGRUL, US
[72] CHEN, NANNAN, US
[71] NATURAL GAS SOLUTIONS NORTH AMERICA, LLC, US
[85] 2020-08-03
[86] 2018-12-30 (PCT/US2018/068081)
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[30] US (15/859,835) 2018-01-02

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[51] **Int.Cl. B65D 83/14 (2006.01) B65D 83/28 (2006.01) B67D 1/04 (2006.01) B67D 1/12 (2006.01) B67D 1/14 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSER SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DISTRIBUTION DE BOISSON**
[72] BHUTANI, GURMEET SINGH, IN
[72] DESHPANDE, PRASHANT, IN
[71] PEPSICO, INC., US
[85] 2020-07-31
[86] 2019-02-21 (PCT/US2019/018979)
[87] (WO2019/165089)
[30] IN (201841006718) 2018-02-22

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[51] **Int.Cl. C07K 14/705 (2006.01) A61K 38/00 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **PD-1 VARIANT HAVING IMPROVED BINDING TO PD-L1**
[54] **VARIANT DE PD-1 AYANT UNE LIAISON AMELIOREE A PD-L1**
[72] JUNG, SANG TAEK, KR
[72] CHUN, KWANG-JIN, KR
[72] HA, JI YEON, KR
[71] NEURACLE GENETICS INC., KR
[85] 2020-08-03
[86] 2019-01-30 (PCT/KR2019/001290)
[87] (WO2019/151771)
[30] KR (10-2018-0013381) 2018-02-02
[30] KR (10-2019-0011181) 2019-01-29

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[13] A1
[51] **Int.Cl. G01T 1/20 (2006.01) G01T 7/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DIGITAL X-RAY IMAGING**
[54] **SYSTEMES ET PROCEDES D'IMAGERIE RADIOGRAPHIQUE NUMERIQUE**
[72] BELARBI, AMINE, US
[72] BOURN, JASON, US
[72] BENSON, PAUL, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-08-03
[86] 2019-02-07 (PCT/US2019/017053)
[87] (WO2019/157184)
[30] US (62/627,473) 2018-02-07
[30] US (62/627,469) 2018-02-07
[30] US (62/627,464) 2018-02-07
[30] US (62/627,466) 2018-02-07
[30] US (16/269,460) 2019-02-06

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[13] A1
[51] **Int.Cl. B01D 1/14 (2006.01) B01D 1/30 (2006.01) C02F 1/04 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN WASTEWATER EVAPORATION SYSTEMS**
[54] **AMELIORATIONS APPORTEES A DES SYSTEMES D'EVAPORATION D'EAUX USEES**
[72] CURLETT, JOSHUA, CA
[72] WANLIN, HUGUES, CA
[71] CLEANTEK INDUSTRIES INC., CA
[85] 2020-08-04
[86] 2018-02-07 (PCT/CA2018/050142)
[87] (WO2018/145205)
[30] US (62/456,004) 2017-02-07

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[13] A1
[51] **Int.Cl. C02F 1/20 (2006.01) B01D 19/00 (2006.01) B01D 61/44 (2006.01) B01D 61/58 (2006.01) C02F 1/469 (2006.01)**
[25] EN
[54] **GAS RECOVERY FROM WASTEWATER**
[54] **RECUPERATION DE GAZ PROVENANT D'EAUX USEES**
[72] VAN LINDEN, NIELS, NL
[72] SPANJERS, HENRICUS LAMBERTUS FRANCISCUS, NL
[72] VAN LIER, JULIUS BERNARDUS, NL
[71] TECHNISCHE UNIVERSITEIT DELFT, NL
[85] 2020-08-04
[86] 2019-01-31 (PCT/NL2019/050058)
[87] (WO2019/151855)
[30] NL (2020369) 2018-02-01
[30] NL (2020528) 2018-03-05

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[13] A1
[51] **Int.Cl. C07K 16/08 (2006.01) A61K 39/00 (2006.01) A61P 31/22 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INVERSE AGONISTIC ANTI-US28 ANTIBODIES**
[54] **ANTICORPS ANTI-US28 AGONISTES INVERSES**
[72] SMIT, MARTINE JOYCE, NL
[72] HEUKERS, RAIMOND, NL
[72] DE GROOF, TIMO WERNER MARCELLA, NL
[72] FAN, TIAN SHU, NL
[72] DE WIT, RAYMOND HENRY, NL
[71] STICHTING VU, NL
[85] 2020-08-04
[86] 2019-02-05 (PCT/NL2019/050072)
[87] (WO2019/151865)
[30] EP (18155119.3) 2018-02-05

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **IMPROVED ANTAGONISTIC ANTI-HUMAN CD40 MONOCLONAL ANTIBODIES**
[54] **ANTICORPS MONOCLONAUX ANTI-CD40 HUMAIN ANTAGONISTES AMELIORES**
[72] ADANG, ANTON EGBERT PETER, NL
[72] DE BOER, MARK, NL
[71] DIABETES-FREE, INC., US
[85] 2020-08-04
[86] 2019-02-11 (PCT/NL2019/050086)
[87] (WO2019/156565)
[30] EP (18156288.5) 2018-02-12

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[13] A1
[51] **Int.Cl. B23K 35/02 (2006.01) B23K 1/00 (2006.01)**
[25] EN
[54] **COMPOSITE BRAZE LINER FOR LOW TEMPERATURE BRAZING AND HIGH STRENGTH MATERIALS**
[54] **REVETEMENT DE BRASAGE COMPOSITE POUR BRASAGE A BASSE TEMPERATURE ET MATERIAUX A RESISTANCE ELEVEE**
[72] REN, BAOLUTE, US
[72] DANZ, MICHAEL P., US
[72] GOINS, MARVIN, US
[71] ARCONIC TECHNOLOGIES LLC, US
[85] 2020-08-04
[86] 2018-02-22 (PCT/US2018/019120)
[87] (WO2019/164487)

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[13] A1
[51] **Int.Cl. A61L 29/14 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **CATHETER ASSEMBLY WITH HIGH VISCOSITY LUBRICANT AND RELATED METHODS**
[54] **ENSEMBLE CATHETER A LUBRIFIANT A VISCOSITE ELEVEE ET PROCEDES ASSOCIES**
[72] MA, YIPING, US
[72] O'BRYAN, JEFF, US
[72] TAGGE, CHAD ALAN, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-08-04
[86] 2019-01-14 (PCT/US2019/013517)
[87] (WO2019/168597)
[30] US (15/910,377) 2018-03-02

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[13] A1
[51] **Int.Cl. B66C 13/06 (2006.01) B66C 13/46 (2006.01) B66C 23/58 (2006.01)**
[25] EN
[54] **SUSPENDED LOAD STABILITY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE STABILITE DE CHARGE SUSPENDUE**
[72] SIKORA, DEREK, US
[72] CARR, CALEB B., US
[72] GOODRICH, LOGAN, US
[71] VITA INCLINATA TECHOLOGIES, INC., US
[85] 2020-08-04
[86] 2019-01-15 (PCT/US2019/013603)
[87] (WO2019/156782)
[30] US (62/627,920) 2018-02-08
[30] US (62/757,414) 2018-11-08

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[13] A1
[51] **Int.Cl. B62D 55/21 (2006.01)**
[25] EN
[54] **TRACK PIN AND BUSHING RETENTION DESIGN FOR A TRACK CHAIN**
[54] **CONCEPTION D'AXE DE CHENILLE ET DE RETENUE DE BAGUE POUR CHAINE DE CHENILLE**
[72] JONES, BENJAMIN I., US
[72] DUMITRU, MIRCEA, US
[71] CATERPILLAR INC., US
[85] 2020-08-04
[86] 2019-01-23 (PCT/US2019/014646)
[87] (WO2019/164620)
[30] US (15/903,719) 2018-02-23

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[13] A1
[51] **Int.Cl. C07K 16/10 (2006.01) G01N 33/569 (2006.01)**
[25] EN
[54] **BINDING MOLECULE HAVING NEUTRALIZING ACTIVITY AGAINST MIDDLE EAST RESPIRATORY SYNDROME-CORONAVIRUS**
[54] **MOLECULE DE LIAISON AYANT UNE ACTIVITE NEUTRALISANTE CONTRE LE CORONAVIRUS DU SYNDROME RESPIRATOIRE DU MOYEN-ORIENT**
[72] LEE, SOO YOUNG, KR
[72] YI, KYE SOOK, KR
[72] KIM, CHEOL MIN, KR
[72] SONG, KYUNG MIN, KR
[72] BAE, YEON JIN, KR
[72] KIM, WOO JOO, KR
[72] CHEONG, HEE JIN, KR
[72] SONG, JOON YOUNG, KR
[72] PARK, MAN SEONG, KR
[72] NOH, JI YUN, KR
[71] CELLTRION INC., KR
[85] 2020-08-07
[86] 2018-11-30 (PCT/KR2018/015141)
[87] (WO2019/151632)
[30] KR (10-2018-0011776) 2018-01-31
[30] KR (10-2018-0108125) 2018-09-11
[30] KR (10-2018-0138228) 2018-11-12

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[13] A1
[51] **Int.Cl. G01N 33/483 (2006.01) A01M 99/00 (2006.01) G01N 33/497 (2006.01)**
[25] EN
[54] **DEVICE FOR DETECTING INSECT LARVAE AND ADULT INSECTS IN STORED PRODUCTS BY SENSING THEIR VOLATILE PHEROMONES AND SEMIOCHEMICALS**
[54] **DISPOSITIF DE DETECTION DE LARVES D'INSECTES ET D'INSECTES ADULTES DANS DES PRODUITS STOCKES PAR DETECTION DE LEURS PHEROMONES VOLATILES ET COMPOSES SEMIOCHIMIQUES**
[72] SMILANICH, NICHOLAS JOSEPH, US
[72] REICHERT, SAMUEL FIRESTONE, US
[72] TUDRON, FRANK BERNARD, US
[71] SENSOR DEVELOPMENT CORPORATION, US
[85] 2020-07-21
[86] 2019-02-01 (PCT/US2019/016335)
[87] (WO2019/152832)
[30] US (62/625,000) 2018-02-01

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[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/063 (2006.01)**
[25] EN
[54] **NEURAL NETWORK ACCELERATOR**
[54] **ACCELERATEUR DE RESEAU NEURONAL**
[72] MOSHOVOS, ANDREAS, CA
[72] DELMAS LASCORZ, ALBERTO, CA
[72] POULOS, ZISIS, CA
[72] MALONE STUART, DYLAN, CA
[72] JUDD, PATRICK, CA
[72] SHARIFY, SAYEH, CA
[72] MAHMOUD, MOSTAFA, CA
[72] NIKOLIC, MILOS, CA
[72] SIU, KEVIN CHONG MAN, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-08-02
[86] 2019-02-15 (PCT/CA2019/050187)
[87] (WO2019/157599)
[30] US (62/710,488) 2018-02-16
[30] US (62/664,190) 2018-04-29

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **ATR INHIBITOR AND APPLICATION THEREOF**
[54] **INHIBITEUR D'ATR ET SON APPLICATION**
[72] QIAN, WENYUAN, CN
[72] WANG, JIAN, CN
[72] LI, JIE, CN
[72] LI, JIAN, CN
[72] CHEN, SHUHUI, CN
[71] SHIJIAZHUANG SAGACITY NEW DRUG DEVELOPMENT COMPANY, LTD., CN
[85] 2020-08-03
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[87] (WO2019/154365)
[30] CN (201810124494.2) 2018-02-07
[30] CN (201811361512.5) 2018-11-15

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[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) B60W 50/14 (2020.01) B60W 30/16 (2020.01)**
[25] EN
[54] **A SYSTEM AND METHOD OF ALERTING ROAD USERS TO SAFE STOPPING DISTANCE**
[54] **SYSTEME ET PROCEDE D'ALERTE DES USAGERS DE LA ROUTE POUR UNE DISTANCE D'ARRET DE SECURITE**
[72] SCHWARZ, MARK PETER, AU
[72] LE NOBLE, JULIE-ANN FAY, AU
[71] SCHWARZ, MARK PETER, AU
[71] LE NOBLE, JULIE-ANN FAY, AU
[85] 2020-08-04
[86] 2019-02-05 (PCT/AU2019/050083)
[87] (WO2019/148253)
[30] AU (2018900349) 2018-02-05

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[13] A1
[51] **Int.Cl. C22B 9/02 (2006.01) C22B 7/00 (2006.01) C22B 9/22 (2006.01) C22B 19/30 (2006.01) C22B 21/00 (2006.01) F27B 14/08 (2006.01) H05B 6/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUSES FOR ALUMINUM AND ZINC RECOVERY FROM DROSS AND METAL-RICH RESIDUES USING INDUCTION MELTING**
[54] **PROCEDES ET APPAREILS POUR LA RECUPERATION D'ALUMINIUM ET DE ZINC A PARTIR DE SCORIES ET DE RESIDUS RICHES EN METAUX PAR FUSION PAR INDUCTION**
[72] LEFEBVRE, JOANNE, CA
[72] LEFEBCRE, MARC, CA
[72] DROUET, MICHEL G., CA
[71] ENTREPRISE LEFEBVRE INDUSTRI-AL INC., CA
[85] 2020-08-04
[86] 2019-02-04 (PCT/CA2019/050140)
[87] (WO2019/157589)
[30] US (62/630,499) 2018-02-14

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[13] A1
[51] **Int.Cl. G02B 27/00 (2006.01) G02F 1/35 (2006.01) H01S 3/05 (2006.01) H01S 3/10 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR NONLINEAR OPTICAL PROCESS OPTIMIZATION VIA TEMPORAL PULSE SPLITTING**
[54] **PROCEDE ET SYSTEME D'OPTIMISATION DE PROCESSUS OPTIQUE NON LINEAIRE PAR DIVISION D'IMPULSION TEMPORELLE**
[72] WETZEL, BENJAMIN, FR
[72] KUES, MICHAEL, DE
[72] REIMER, CHRISTIAN, DE
[72] HELSTEN, ROBIN, CA
[72] ROZTOCKI, PIOTR, CA
[72] JESTIN, YOANN, CA
[72] MORANDOTTI, ROBERTO, CA
[71] THE UNIVERSITY OF SUSSEX, GB
[71] THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, GB
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE, CA
[85] 2020-08-04
[86] 2019-02-05 (PCT/CA2019/050144)
[87] (WO2019/148298)
[30] GB (1801825.9) 2018-02-05

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01)**
[25] EN
[54] **USE OF GHR-106 MONOCLONAL ANTIBODY AS A GNRH ANTAGONIST**
[54] **UTILISATION D'UN ANTICORPS MONOCLONAL GHR-106 EN TANT QU'ANTAGONISTE DE GNRH**
[72] LEE, GREGORY, CA
[71] VANCOUVER BIOTECH LTD., CA
[85] 2020-08-04
[86] 2019-02-05 (PCT/CA2019/050147)
[87] (WO2019/153075)
[30] US (62/627,052) 2018-02-06

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[13] A1
[51] **Int.Cl. A61B 34/30 (2016.01) H04L 12/707 (2013.01) H04L 12/851 (2013.01) A61B 34/00 (2016.01) A61B 17/00 (2006.01) H04L 7/00 (2006.01) H04L 7/027 (2006.01)**
[25] EN
[54] **SURGICAL ROBOTIC SYSTEM INCLUDING SYNCHRONOUS AND ASYNCHRONOUS NETWORKS AND A METHOD EMPLOYING THE SAME**
[54] **SYSTEME ROBOTIQUE CHIRURGICAL COMPRENANT DES RESEAUX SYNCHRONES ET ASYNCHRONES ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] KING, DANIEL, US
[72] ZAHINE, SAMIR, US
[72] ALMEIDA, NUNO, US
[71] COVIDIEN LP, US
[85] 2020-07-30
[86] 2019-02-01 (PCT/US2019/016224)
[87] (WO2019/152761)
[30] US (62/625,667) 2018-02-02

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[13] A1
[51] **Int.Cl. A01K 1/01 (2006.01)**
[25] EN
[54] **DEVICE FOR COLLECTION AND REMOVAL OF SLURRY**
[54] **DISPOSITIF DE COLLECTE ET D'ELIMINATION DE BOUE**
[72] BERTH, JORGEN MIKAEL, DK
[72] BERTH, NIELS CHRISTIAN, DK
[71] SPACE SYSTEMS APS, DK
[85] 2020-08-04
[86] 2018-02-07 (PCT/EP2018/053084)
[87] (WO2019/154491)

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[13] A1
[51] **Int.Cl. B23K 26/073 (2006.01) B23K 26/046 (2014.01) B23K 26/352 (2014.01) B23K 26/03 (2006.01) B23K 26/08 (2014.01)**
[25] EN
[54] **METHOD FOR LASER-PROCESSING A SURFACE AND LASER PROCESSING SYSTEM**
[54] **PROCEDE DE TRAITEMENT AU LASER D'UNE SURFACE ET SYSTEME DE TRAITEMENT AU LASER**
[72] DALLAIRE, MICHAEL, CA
[72] FRASER, ALEX, CA
[72] PRUNEAU GODMAIRE, XAVIER, CA
[71] LASERAX INC., CA
[85] 2020-08-04
[86] 2019-02-08 (PCT/CA2019/050169)
[87] (WO2019/153091)
[30] US (62/628,389) 2018-02-09

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[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01)**
[25] EN
[54] **PREDICTION OF PREGNANCY LOSS**
[54] **PREDICTION DE FAUSSE COUCHE**
[72] SALAS, EDUARDO, GB
[72] PARAMO, JOSE ANTONIO, GB
[72] PICH, SARA, GB
[72] BELLVER, JOSE, GB
[72] ORTEGA, ISRAEL, GB
[72] SORIA, JOSE MANUEL, GB
[72] GUILLEN, KEVIN, GB
[71] GENINCODE UK, LTD., GB
[85] 2020-08-04
[86] 2019-02-08 (PCT/EP2019/053153)
[87] (WO2019/154996)
[30] EP (18382073.7) 2018-02-09

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[13] A1
[51] **Int.Cl. H04R 25/00 (2006.01) H04R 1/10 (2006.01)**
[25] EN
[54] **UNIVERSAL ADAPTER FOR HEARING AIDS AND EARPHONES**
[54] **ADAPTATEUR UNIVERSEL POUR APPAREILS AUDITIFS ET ECOUTEURS**
[72] JUNKE, PAUL GREGOR, DE
[71] JUNKE, PAUL GREGOR, DE
[85] 2020-08-04
[86] 2019-02-04 (PCT/EP2019/052678)
[87] (WO2019/149947)
[30] DE (10 2018 001 016.4) 2018-02-05
[30] DE (10 2018 107 195.7) 2018-03-26

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[13] A1
[51] **Int.Cl. E21B 7/02 (2006.01) E21B 3/02 (2006.01)**
[25] EN
[54] **DRILLING MACHINE PROVIDED WITH AN ELECTRICALLY-BRAKED MOVING DEVICE FOR THE DRILLING STRING**
[54] **MACHINE DE FORAGE POURVUE D'UN DISPOSITIF DE DEPLACEMENT A FREINAGE ELECTRIQUE POUR LA COLONNE DE FORAGE**
[72] PIRACCINI, MATTEO, IT
[72] ANTONELLI, ALBERTO, IT
[72] MANTOVANI, FRANCESCO, IT
[71] SOILMEC S.P.A., IT
[85] 2020-08-04
[86] 2019-03-19 (PCT/IB2019/052200)
[87] (WO2019/180598)
[30] IT (102018000003793) 2018-03-20

[21] **3,090,342**
[13] A1
[51] **Int.Cl. B05B 9/04 (2006.01)**
[25] EN
[54] **ELECTRIC POWER SPRAYER WITH MULTI-VOLTAGE BATTERY SYSTEM AND METHOD THEREFOR**
[54] **PULVERISATEUR ELECTRIQUE A SYSTEME DE BATTERIE A TENSIONS MULTIPLES ET PROCEDE ASSOCIE**
[72] LAM, CHIN HUNG, CN
[72] WANG, ZHENG JUN, CN
[71] TECHTRONIC CORDLESS GP, US
[85] 2020-08-04
[86] 2018-02-02 (PCT/CN2018/075101)
[87] (WO2019/148448)

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[13] A1
[51] **Int.Cl. C07H 19/23 (2006.01) A61K 31/7052 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRIDOPYRROLOPYRIMIDINE RIBONUCLEOSIDES FOR THERAPEUTIC USES**
[54] **RIBONUCLEOSIDES DE PYRIDOPYRROLOPYRIMIDINE SUBSTITUES A USAGE THERAPEUTIQUE**
[72] VESELOVSKA, LUCIA, SK
[72] HOCEK, MICHAL, CZ
[72] HAJDUCH, MARIAN, CZ
[72] DZUBAK, PETR, CZ
[71] USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V.V.I., CZ
[71] UNIVERZITA PALACKEHO V OLUMOUCI, CZ
[85] 2020-08-04
[86] 2019-03-04 (PCT/CZ2019/050008)
[87] (WO2019/174657)
[30] CZ (PV 2018-121) 2018-03-12

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[13] A1
[51] **Int.Cl. H04W 72/02 (2009.01)**
[25] EN
[54] **RESOURCE RESERVATION METHOD AND DEVICE, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE RESERVATION DE RESSOURCES, ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-08-04
[86] 2018-02-05 (PCT/CN2018/075254)
[87] (WO2019/148489)

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[13] A1
[51] **Int.Cl. H02M 7/217 (2006.01) H02J 50/00 (2016.01) H02J 7/00 (2006.01) H02M 1/00 (2007.10) H02M 1/088 (2006.01) H02M 3/07 (2006.01)**
[25] EN
[54] **DEVICE FOR OBTAINING ELECTRIC ENERGY AND ENERGY GENERATOR COMPRISING SUCH A DEVICE**
[54] **DISPOSITIF DE COLLECTE D'ENERGIE ELECTRIQUE ET GENERATEUR D'ENERGIE POURVU D'UN TEL DISPOSITIF**
[72] SHOUSHA, MAHMOUD, DE
[72] HAUG, MARTIN, DE
[71] WUERTH ELEKTRONIK EISOS GMBH & CO. KG, DE
[85] 2020-08-04
[86] 2019-01-09 (PCT/EP2019/050440)
[87] (WO2019/154576)
[30] DE (10 2018 201 925.8) 2018-02-07

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[13] A1
[51] **Int.Cl. E21D 9/10 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR CONTINUOUSLY DRIVING A TUNNEL**
[54] **DISPOSITIF ET PROCEDE DE PERCEMENT EN CONTINU D'UN TUNNEL**
[72] BURGER, WERNER, DE
[72] EDELMANN, THOMAS JOSEPH, DE
[71] HERRENKNECHT AKTIENGESELLSCHAFT, DE
[85] 2020-08-04
[86] 2019-02-01 (PCT/EP2019/052461)
[87] (WO2019/149867)
[30] DE (10 2018 102 330.8) 2018-02-02

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[13] A1
[51] **Int.Cl. C12N 15/67 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **STRUCTURAL DOMAINS OF ANTISENSE RNA MOLECULES UP-REGULATING TRANSLATION**
[54] **DOMAINES STRUCTURELS DE MOLECULES D'ARN ANTISENS REGULANT POSITIVEMENT LA TRADUCTION**
[72] GUSTINCICH, STEFANO, IT
[72] ZUCCHELLI, SILVIA, IT
[72] PODBEVSEK, PETER, IT
[72] PLAVEC, JANEZ, IT
[72] CARNINCI, PIERO, JP
[72] TAKAHASHI, HAZUKI, IT
[72] YAMAZAKI, TOSHIO, IT
[72] OHYAMA, TAKAKO, IT
[72] SHARMA, HARSHITA, IT
[71] SCUOLA INTERNAZIONALE SUPERIORE DI STUDI AVANZATI - SISSA, IT
[71] TRANSSINE THERAPEUTICS LIMITED, GB
[85] 2020-08-04
[86] 2019-02-05 (PCT/IB2019/050914)
[87] (WO2019/150346)
[30] IT (102018000002411) 2018-02-05

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[13] A1
[51] **Int.Cl. H04M 1/02 (2006.01) H01R 12/71 (2011.01) H01R 13/514 (2006.01)**
[25] EN
[54] **CARD HOLDER AND MOBILE TERMINAL**
[54] **SUPPORT DE CARTE ET TERMINAL MOBILE**
[72] ZHANG, SHIHAO, CN
[72] WANG, QILIANG, CN
[72] LEI, GAOBING, CN
[72] SU, TIEN CHIEH, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-08-04
[86] 2018-02-13 (PCT/CN2018/076770)
[87] (WO2019/157676)

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[13] A1
[51] **Int.Cl. F04B 43/00 (2006.01) F04B 53/04 (2006.01)**
[25] EN
[54] **A BREATHER ASSEMBLY FOR A PERISTALTIC PUMP**
[54] **ENSEMBLE RENIFLARD POUR POMPE PERISTALTIQUE**
[72] MOLENVELD, VINCENT, NL
[72] OUDE VRIELINK, RONALD, NL
[71] WATSON-MARLOW BREDEL B.V., NL
[85] 2020-08-04
[86] 2019-02-04 (PCT/EP2019/052605)
[87] (WO2019/149924)
[30] GB (1801843.2) 2018-02-05

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[13] A1
[51] **Int.Cl. A61L 15/44 (2006.01) A61L 15/58 (2006.01)**
[25] EN
[54] **HAEMOSTATIC MATERIAL**
[54] **MATERIAU HEMOSTATIQUE**
[72] HARDY, CRAIG, GB
[72] HOGGARTH, ANDREW, GB
[72] GRIST, MATTHEW, GB
[71] MEDTRADE PRODUCTS LIMITED, GB
[85] 2020-08-04
[86] 2019-02-14 (PCT/GB2019/050396)
[87] (WO2019/158926)
[30] GB (1802380.4) 2018-02-14

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[13] A1
[51] **Int.Cl. E02D 5/80 (2006.01) E21D 20/02 (2006.01)**
[25] EN
[54] **ELONGATED CONNECTING ELEMENT FOR ANCHORING MEMBERS AND METHOD FOR PROVIDING AND INSTALLING AN ELONGATED CONNECTING ELEMENT FOR ANCHORING MEMBERS**
[54] **ELEMENT DE LIAISON ALLONGE POUR DES ORGANES D'ANCRAGE ET PROCEDE DE FOURNITURE ET D'INSTALLATION D'UN ELEMENT DE LIAISON ALLONGE POUR DES ORGANES D'ANCRAGE**
[72] BIRTELE, ANDREA, IT
[72] GABASSI, MATTEO, IT
[71] THUR S.R.L., IT
[85] 2020-08-04
[86] 2019-02-04 (PCT/EP2019/052615)
[87] (WO2019/154754)
[30] IT (102018000002456) 2018-02-07

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **FARBER DISEASE MARKERS AND USES THEREOF**
[54] **MARQUEURS DE LA MALADIE DE FARBER ET LEURS UTILISATIONS**
[72] COQUERY, CHRISTINE, US
[72] SAMPEY, BRANTE, US
[71] ENZYVANT THERAPEUTICS GMBH, CH
[85] 2020-08-04
[86] 2019-03-22 (PCT/IB2019/000290)
[87] (WO2019/186272)
[30] US (62/648,775) 2018-03-27

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[13] A1
[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **CONFORMATION-INDEPENDENT ANTIBODIES AGAINST NEUROTOXIC TAU PROTEINS**
[54] **ANTICORPS INDEPENDANTS DE LA CONFORMATION DIRIGES CONTRE DES PROTEINES TAU NEUROTOXIQUES**
[72] SHAHPASAND, KOOROSH, IR
[71] SHAHPASAND, KOOROSH, IR
[85] 2020-08-04
[86] 2019-03-09 (PCT/IB2019/051922)
[87] (WO2019/175735)
[30] US (62/641,357) 2018-03-11

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[13] A1
[51] **Int.Cl. A61M 5/24 (2006.01) A61M 5/28 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **A SHELL FOR RECEIVING AN INJECTION SYSTEM COMPRISING A SYRINGE RECEIVED IN A SAFETY DEVICE**
[54] **COQUE POUR RECEVOIR UN SYSTEME D'INJECTION COMPRENANT UNE SERINGUE RECUE DANS UN DISPOSITIF DE SECURITE**
[72] CARREL, FRANCK, FR
[72] VALENTIN, STEPHANE, FR
[72] MUNSCH, STEPHANE, FR
[71] BECTON DICKINSON FRANCE, FR
[85] 2020-08-04
[86] 2019-03-15 (PCT/EP2019/056583)
[87] (WO2019/179895)
[30] EP (18162487.5) 2018-03-19

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[13] A1
[51] **Int.Cl. A61N 2/00 (2006.01) A61N 2/02 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC COIL ASSEMBLY**
[54] **ASSEMBLAGE DE BOBINE ELECTROMAGNETIQUE**
[72] ZANGEN, ABRAHAM, IL
[72] ROTH, YIFTACH, IL
[71] BRAINSWAY LTD., IL
[85] 2020-08-04
[86] 2019-02-05 (PCT/IL2019/050136)
[87] (WO2019/150378)
[30] CN (2018201996403) 2018-02-05
[30] CN (2018202030024) 2018-02-05

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[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61K 31/352 (2006.01) A61M 11/00 (2006.01)**
[25] EN
[54] **METHOD AND INHALER FOR PROVIDING TWO OR MORE SUBSTANCES BY INHALATION**
[54] **PROCEDE ET INHALATEUR POUR FOURNIR AU MOINS DEUX SUBSTANCES PAR INHALATION**
[72] SCHORR, AARON, IL
[72] LUPO, TAL, IL
[72] KROLL, ASAF, IL
[72] SCHWARTZ, BINYAMIN, IL
[72] RESHEF, NIMROD, IL
[72] ATZMONY, DANIELLA, IL
[71] SYQE MEDICAL LTD., IL
[85] 2020-08-04
[86] 2019-02-14 (PCT/IL2019/050178)
[87] (WO2019/159170)
[30] US (62/630,850) 2018-02-15
[30] US (62/802,737) 2019-02-08

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[13] A1
[51] **Int.Cl. C10G 2/00 (2006.01) B01J 21/06 (2006.01) B01J 23/889 (2006.01) B01J 35/00 (2006.01) B01J 37/18 (2006.01)**
[25] EN
[54] **FISCHER-TROPSCH PROCESS, SUPPORTED FISCHER-TROPSCH SYNTHESIS CATALYST AND USES THEREOF**
[54] **PROCEDE FISCHER-TROPSCH, CATALYSEUR DE SYNTHESE DE FISCHER-TROPSCH SUPPORTE ET SES UTILISATIONS**
[72] PATERSON, ALEXANDER JAMES, GB
[71] BP P.L.C., GB
[85] 2020-08-04
[86] 2019-02-06 (PCT/EP2019/052951)
[87] (WO2019/154885)
[30] EP (18156166.3) 2018-02-09
[30] EP (18197002.1) 2018-09-26

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[13] A1
[51] **Int.Cl. B67D 1/04 (2006.01) B67D 1/06 (2006.01)**
[25] EN
[54] **FLUID DISPENSER**
[54] **DISTRIBUTEUR DE FLUIDE**
[72] PEPINI, DIEGO, IT
[71] BEEXLAB S.R.L., IT
[85] 2020-08-04
[86] 2019-02-01 (PCT/IT2019/050026)
[87] (WO2019/150409)
[30] IT (102018000002421) 2018-02-05

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[13] A1
[51] **Int.Cl. A47B 88/57 (2017.01)**
[25] EN
[54] **STORAGE DEVICE WITH DRAWER RETAINER AND STABILIZER**
[54] **DISPOSITIF DE STOCKAGE COMPRENANT UN STABILISATEUR ET UN SYSTEME DE RETENUE DE TIROIRS**
[72] LARKNER, THOMAS J., US
[72] SHANNON, BRYAN T., US
[72] BALBACH, GRANT, US
[71] HELMER, INC., US
[85] 2020-08-04
[86] 2019-02-01 (PCT/US2019/016292)
[87] (WO2019/152803)
[30] US (62/625,546) 2018-02-02

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[13] A1
[51] **Int.Cl. F25D 23/10 (2006.01) F25D 11/00 (2006.01) F25D 23/06 (2006.01)**
[25] EN
[54] **REFRIGERATOR BOX BODY AND REFRIGERATOR**
[54] **CORPS DE BOITE DE REFRIGERATEUR ET REFRIGERATEUR**
[72] LIANG, BENLEI, CN
[72] LIU, CHAO, CN
[72] LI, PINGFANG, CN
[72] ZHANG, HUAWEI, CN
[72] YU, HAO, CN
[71] HEFEI HUALING CO., LTD., CN
[71] HEFEI MIDEA REFRIGERATOR CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
[85] 2020-08-04
[86] 2018-10-23 (PCT/CN2018/111304)
[87] (WO2019/091279)
[30] CN (201721510145.1) 2017-11-13

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06T 19/20 (2011.01) G06Q 10/08 (2012.01) B33Y 50/02 (2015.01)**
[25] EN
[54] **SYSTEM AND WORKSTATION FOR THE DESIGN, FABRICATION AND ASSEMBLY OF 3-DIMENSIONAL CONSTRUCTS**
[54] **SYSTEME ET POSTE DE TRAVAIL POUR LA CONCEPTION, LA FABRICATION ET L'ASSEMBLAGE DE CONSTRUCTIONS TRIDIMENSIONNELLES**
[72] GOLWAY, MICHAEL W., US
[71] ADVANCED SOLUTIONS LIFE SCIENCES, LLC, US
[85] 2020-08-04
[86] 2019-02-01 (PCT/US2019/016238)
[87] (WO2019/152769)
[30] US (62/626,329) 2018-02-05

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[13] A1
[51] **Int.Cl. C12Q 1/24 (2006.01) C12M 1/28 (2006.01)**
[25] EN
[54] **SAMPLING OF MICROORGANISMS**
[54] **ECHANTILLONNAGE DE MICRO-ORGANISMES**
[72] DE MANZANOS GUINOT, ANGELA, GB
[72] WEAVER, KERRY O'DONNELLY, GB
[71] FUNGIALERT LTD, GB
[85] 2020-08-04
[86] 2019-02-08 (PCT/EP2019/053155)
[87] (WO2019/154997)
[30] GB (1802060.2) 2018-02-08

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[13] A1
[51] **Int.Cl. B61G 3/10 (2006.01) B61G 3/12 (2006.01)**
[25] EN
[54] **VEHICLE COUPLER, COUPLER TONGUE AND COUPLER BODY**
[54] **COUPLEUR DE VEHICULE, LANGUETTE DE COUPLEUR ET CORPS DE COUPLEUR**
[72] MENG, QINGMIN, CN
[72] CUI, YINGJUN, CN
[72] WANG, YAN, CN
[72] JIN, PENGDI, CN
[72] WANG, CHANGCHUN, CN
[72] CONG, SHENGGUO, CN
[71] CRRC QIQIHAR ROLLING STOCK CO., LTD., CN
[85] 2020-08-04
[86] 2019-06-26 (PCT/CN2019/092973)
[87] (WO2020/001468)
[30] CN (201810701432.3) 2018-06-29

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04M 1/663 (2006.01) H04M 3/436 (2006.01)**
[25] EN
[54] **DECENTRALIZED AUTOMATIC PHONE FRAUD RISK MANAGEMENT**
[54] **GESTION DE RISQUE DE FRAUDE TELEPHONIQUE AUTOMATIQUE DECENTRALISEE**
[72] ZHAO, WENQIANG, CN
[72] LI, YANPENG, CN
[72] JIA, BOYAN, CN
[71] ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD., CN
[85] 2020-08-04
[86] 2019-10-11 (PCT/CN2019/110637)
[87] (WO2020/011286)

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[13] A1
[51] **Int.Cl. G07D 1/00 (2006.01) G07D 9/00 (2006.01)**
[25] EN
[54] **COIN WITHDRAWAL PROGRAM, COIN WITHDRAWAL METHOD, AND DEPOSIT AND WITHDRAWAL DEVICE**
[54] **PROGRAMME DE RETRAIT DE PIECES DE MONNAIE, PROCEDE DE RETRAIT DE PIECES DE MONNAIE, ET DISPOSITIF DE DEPOT ET DE RETRAIT**
[72] WATANABE, MITSUO, JP
[72] MIYAKE, TOSHIMASA, JP
[72] MATSUI, NOBUHIRO, JP
[72] OHKAWA, MASANORI, JP
[71] FUJITSU FRONTECH LIMITED, JP
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[87] (WO2019/155608)

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[13] A1
[51] **Int.Cl. G07D 9/00 (2006.01)**
[25] EN
[54] **CASH HANDLING APPARATUS**
[54] **DISPOSITIF DE MANIPULATION D'ESPECES**
[72] MIYAKE, TOSHIMASA, JP
[72] OHKAWA, MASANORI, JP
[72] WATANABE, MITSUO, JP
[72] MATSUI, NOBUHIRO, JP
[71] FUJITSU FRONTECH LIMITED, JP
[85] 2020-08-04
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[25] EN
[54] **PEN NEEDLE COVER**
[54] **COUVRE-AIGUILLE DE STYLO**
[72] LYNCH, CORMAC, IE
[72] MEAGHER, CONOR, IE
[72] LOUGHNANE, NOEL, IE
[71] BECTON. DICKINSON AND COMPANY, US
[85] 2020-08-04
[86] 2019-01-30 (PCT/US2019/015827)
[87] (WO2019/160687)
[30] US (62/632,298) 2018-02-19

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[13] A1
[25] EN
[54] **PLATELET AGITATOR WITH DISCONTINUOUS USER INPUT CONTROLS**
[54] **AGITATEUR DE PLAQUETTES AVEC COMMANDES D'ENTREE D'UTILISATEUR DISCONTINUES**
[72] LARKNER, THOMAS J., US
[72] BERRY, HEATHER, US
[71] HELMER, INC., US
[85] 2020-08-04
[86] 2019-02-01 (PCT/US2019/016286)
[87] (WO2019/152800)
[30] US (62/625,558) 2018-02-02

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[51] **Int.Cl. C07K 19/00 (2006.01) A61K 47/68 (2017.01) A61K 38/47 (2006.01) A61P 21/00 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C12N 9/26 (2006.01) C12N 9/40 (2006.01) C12N 15/13 (2006.01) C12N 15/56 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **METHOD FOR DELIVERING DRUG TO MUSCLE**
[54] **PROCEDE D'ADMINISTRATION D'UN MEDICAMENT A UN MUSCLE**
[72] TAKAHASHI, KENICHI, JP
[72] SONODA, HIROYUKI, JP
[71] JCR PHARMACEUTICALS CO., LTD., JP
[85] 2020-08-04
[86] 2019-02-05 (PCT/JP2019/004123)
[87] (WO2019/151539)
[30] JP (2018-018652) 2018-02-05

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[51] **Int.Cl. A62B 7/12 (2006.01) A62B 7/02 (2006.01) A62B 7/04 (2006.01) A62C 33/00 (2006.01)**
[25] EN
[54] **BREATHABLE GAS AND WATER HOSE APPARATUS**
[54] **APPAREIL DE TYPE TUYAU DE GAZ RESPIRABLE ET D'EAU**
[72] REEDY, PAT J., US
[71] 1005, LLC, US
[85] 2020-08-04
[86] 2019-02-04 (PCT/US2019/016501)
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[30] US (62/626,760) 2018-02-06

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[13] A1
[51] **Int.Cl. B21D 26/039 (2011.01) B21D 26/047 (2011.01) B21D 51/16 (2006.01)**
[25] EN
[54] **MOLDING DEVICE AND METAL PIPE**
[54] **DISPOSITIF DE MOULAGE ET TUYAU METALLIQUE**
[72] IDE, AKIHIRO, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[72] NOGIWA, KIMIHIRO, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2020-08-04
[86] 2019-02-06 (PCT/JP2019/004279)
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[30] JP (2018-043315) 2018-03-09

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/4545 (2006.01) A61K 31/55 (2006.01) A61K 31/635 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **INHIBITORS OF THE NOTCH TRANSCRIPTIONAL ACTIVATION COMPLEX KINASE ("NACK") AND METHODS FOR USE OF THE SAME**
[54] **INHIBITEURS DE LA KINASE COMPLEXE D'ACTIVATION TRANSCRIPTIONNELLE NOTCH ("NACK") ET LEURS PROCEDES D'UTILISATION**
[72] CAPOBIANCO, ANTHONY, J., US
[72] SCHURER, STEPHAN, C., US
[72] ZHU, XIAOXIA, US
[72] KELLEY, TANYA, T., US
[71] UNIVERSITY OF MIAMI, US
[85] 2020-08-04
[86] 2019-02-06 (PCT/US2019/016868)
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[30] US (62/626,870) 2018-02-06

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[51] **Int.Cl. A61K 36/185 (2006.01) A61K 31/05 (2006.01) B01D 11/02 (2006.01)**
[25] EN
[54] **METHOD FOR EXTRACTING COMPOSITIONS FROM PLANTS**
[54] **PROCEDE D'EXTRACTION DE COMPOSITIONS A PARTIR DE PLANTES**
[72] CULLEN, MARK T., CA
[72] DURKACZ, ANTHONY J., CA
[71] WORLD CLASS EXTRACTIONS INC., CA
[85] 2020-08-04
[86] 2019-02-04 (PCT/US2019/016519)
[87] (WO2019/156931)
[30] US (62/627,616) 2018-02-07
[30] US (16/265,768) 2019-02-01

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[13] A1
[51] **Int.Cl. C25D 11/38 (2006.01)**
[25] EN
[54] **STEEL SHEET FOR CONTAINERS AND METHOD FOR PRODUCING STEEL SHEET FOR CONTAINERS**
[54] **TOLE D'ACIER POUR CONTENANTS ET SON PROCEDE DE PRODUCTION**
[72] TANI, YOSHIAKI, JP
[72] HIRANO, SHIGERU, JP
[71] NIPPON STEEL CORPORATION, JP
[85] 2020-08-04
[86] 2019-02-08 (PCT/JP2019/004740)
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[30] JP (2018-022296) 2018-02-09

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[51] **Int.Cl. C03C 17/36 (2006.01)**
[25] EN
[54] **SOLAR CONTROL COATINGS WITH QUADRUPLE METALLIC LAYERS**
[54] **REVETEMENTS DE REGULATION SOLAIRE DOTES DE QUADRUPLES COUCHES METALLIQUES**
[72] FISHER, PATRICK, US
[72] MEDWICK, PAUL A., US
[72] WAGNER, ANDREW, US
[72] POLCYN, ADAM D., US
[71] VITRO FLAT GLASS LLC, US
[85] 2020-08-04
[86] 2019-02-04 (PCT/US2019/016524)
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[25] EN
[54] **ALPHA POLYGLUTAMATED LOMETREXOL AND USES THEREOF**
[54] **LOMETREXOL ALPHA-POLYGLUTAMATE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-04
[86] 2019-02-07 (PCT/US2019/016956)
[87] (WO2019/157121)
[30] US (62/627,741) 2018-02-07
[30] US (62/627,714) 2018-02-07
[30] US (62/630,634) 2018-02-14
[30] US (62/662,374) 2018-04-25
[30] US (62/702,732) 2018-07-24
[30] US (62/764,943) 2018-08-17

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[25] EN
[54] **VASCULAR EXPANDABLE DEVICES**
[54] **DISPOSITIFS VASCULAIRES EXPANSIBLES**
[72] DAWSON, MARC, US
[72] BAROONI, AGEE, US
[72] HAMEL, GREGORY M., US
[72] HUYNH, ANTHONY, US
[72] JACKSON, BRAD, US
[71] COVIDIEN LP, US
[85] 2020-08-04
[86] 2019-01-23 (PCT/US2019/014788)
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[30] US (15/892,268) 2018-02-08
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[51] **Int.Cl. E21B 37/04 (2006.01) E21B 37/02 (2006.01)**
[25] EN
[54] **DOWNHOLE CLEANING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DE FOND DE TROU**
[72] HENDERSON, SCOTT, AE
[72] RANKIN, GREG, AE
[72] DSOUZA, JOHNSON, AE
[71] ODFJELL PARTNERS INVEST LTD, NO
[85] 2020-08-04
[86] 2019-02-11 (PCT/EP2019/053345)
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[30] GB (1802223.6) 2018-02-12

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[25] EN
[54] **ALPHA POLYGLUTAMATED AMINOPTERIN AND USES THEREOF**
[54] **AMINOPTERINE ALPHA-POLYGLUTAMATEE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-04
[86] 2019-02-07 (PCT/US2019/016958)
[87] (WO2019/157123)
[30] US (62/627,741) 2018-02-07
[30] US (62/630,744) 2018-02-14
[30] US (62/662,374) 2018-04-25
[30] US (62/702,732) 2018-07-24
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[51] **Int.Cl. C07D 453/02 (2006.01) A61K 31/439 (2006.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE TREATMENT OF PAIN**
[54] **COMPOSES POUR LE TRAITEMENT DE LA DOULEUR**
[72] WYNN, THOMAS, US
[72] ALVAREZ, JUAN, US
[72] MOUSTAKAS, DEMETRI, US
[72] HAEBERLEIN, MARKUS, US
[72] PENNINGTON, LEWIS, US
[71] ALKERMES, INC., US
[85] 2020-08-04
[86] 2019-02-04 (PCT/US2019/016543)
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[25] EN
[54] **INTEGRATED PROCESS FOR FILTERING CONSTITUENTS FROM A GAS STREAM**
[54] **PROCESSUS INTEGRE POUR LE FILTRAGE CONSTITUANTS A PARTIR D'UN FLUX GAZEUX**
[72] ROSIN, RICHARD, US
[72] GREENE, JASON, US
[72] SCHULZ, TAYLOR, US
[71] LANZATECH, INC., US
[85] 2020-08-04
[86] 2019-02-12 (PCT/US2019/017694)
[87] (WO2019/157519)
[30] US (62/629,160) 2018-02-12
[30] US (62/656,813) 2018-04-12

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[51] **Int.Cl. A61K 38/08 (2019.01) A61K 9/127 (2006.01) A61K 31/519 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61K 38/07 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 5/06 (2006.01) C07K 5/08 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 16/28 (2006.01) C07K 17/02 (2006.01)**
[25] EN
[54] **ALPHA POLYGLUTAMATED PRALATREXATE AND USES THEREOF**
[54] **PRALATREXATE ALPHA-POLYGLUTAMATE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-04
[86] 2019-02-07 (PCT/US2019/016971)
[87] (WO2019/157129)
[30] US (62/627,741) 2018-02-07
[30] US (62/627,731) 2018-02-07
[30] US (62/630,637) 2018-02-14
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[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 10/06 (2012.01) G06Q 40/06 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **SELF-GOVERNING TRADE REQUEST MANAGEMENT SYSTEMS**
[54] **SYSTEMES DE GESTION AUTONOME DE DEMANDES COMMERCIALES**
[72] SUN, DAVID, US
[71] SUN, DAVID, US
[85] 2020-08-04
[86] 2019-02-14 (PCT/US2019/017929)
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[30] US (16/226,310) 2018-12-19

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[51] **Int.Cl. A61K 38/08 (2019.01) A61K 9/127 (2006.01) A61K 31/517 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61K 38/07 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 5/06 (2006.01) C07K 5/08 (2006.01) C07K 5/10 (2006.01) C07K 7/06 (2006.01) C07K 16/28 (2006.01) C07K 17/02 (2006.01)**
[25] EN
[54] **ALPHA POLYGLUTAMATED RALTITREXED AND USES THEREOF**
[54] **RALTITREXED ALPHA-POLYGLUTAMATE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-04
[86] 2019-02-07 (PCT/US2019/016978)
[87] (WO2019/157133)
[30] US (62/627,741) 2018-02-07
[30] US (62/630,671) 2018-02-14
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[30] US (62/702,732) 2018-07-24
[30] US (62/764,943) 2018-08-17

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[25] EN
[54] **GAMMA POLYGLUTAMATED RALTITREXED AND USES THEREOF**
[54] **RALTITREXED GAMMA-POLYGLUTAMATE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-04
[86] 2019-02-07 (PCT/US2019/016993)
[87] (WO2019/157140)
[30] US (62/627,733) 2018-02-07
[30] US (62/630,652) 2018-02-14
[30] US (62/662,372) 2018-04-25
[30] US (62/702,774) 2018-07-24
[30] US (62/764,945) 2018-08-17

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[13] A1
[51] **Int.Cl. A45D 40/26 (2006.01) A45D 34/04 (2006.01) A46B 5/02 (2006.01)**
[25] EN
[54] **COSMETIC APPLICATOR WAND; ASSEMBLY FOR APPLICATION OF COSMETIC COMPRISING AN APPLICATOR WAND AND AN APPLICATOR AND A METHOD FOR APPLYING COSMETIC FORMULATION**
[54] **BAGUETTE D'APPLICATION COSMETIQUE; ENSEMBLE POUR APPLICATION DE COSMETIQUE COMPORTANT UNE BAGUETTE D'APPLICATION ET UN APPLICATEUR ET PROCEDE D'APPLICATION DE FORMULE COSMETIQUE**
[72] SILVERBERG, TERRI, US
[71] TLH BEAUTY LLC, US
[85] 2020-08-04
[86] 2019-02-07 (PCT/US2019/017091)
[87] (WO2019/157206)
[30] US (62/627,860) 2018-02-08

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[13] A1
[51] **Int.Cl. A61K 31/26 (2006.01) A61K 47/40 (2006.01) A61P 3/00 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING MITOCHONDRIAL DISORDERS**
[54] **PROCEDES DE TRAITEMENT DE TROUBLES MITOCHONDRIAUX**
[72] LIU, SHAOYUN, US
[71] LIU, SHAOYUN, US
[85] 2020-08-04
[86] 2019-02-08 (PCT/US2019/017150)
[87] (WO2019/157245)
[30] US (62/628,353) 2018-02-09

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[51] **Int.Cl. A61B 5/053 (2006.01) A61F 5/055 (2006.01) A61J 15/00 (2006.01) A61M 16/04 (2006.01) A61M 16/06 (2006.01)**
[25] EN
[54] **DETECTION OF TISSUE DAMAGE**
[54] **DETECTION DE LESIONS TISSULAIRES**
[72] BURNS, MARTIN F., US
[72] ROSS, GRAHAM O., US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2020-08-04
[86] 2019-02-08 (PCT/US2019/017226)
[87] (WO2019/157290)
[30] US (62/628,676) 2018-02-09

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[13] A1
[51] **Int.Cl. F24F 3/16 (2006.01) A61L 9/20 (2006.01) F24F 13/28 (2006.01)**
[25] EN
[54] **AIR STERILIZER UNIT**
[54] **UNITE DE STERILISATION D'AIR**
[72] TERKELSEN, JORN, DK
[71] DOLPHIN CARE APS, DK
[85] 2020-08-04
[86] 2019-02-13 (PCT/EP2019/053479)
[87] (WO2019/158545)
[30] EP (18156783.5) 2018-02-14

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[13] A1
[51] **Int.Cl. A61K 31/427 (2006.01) A61K 8/49 (2006.01) A61P 17/14 (2006.01) A61Q 7/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTION AND TREATMENT OF HAIR GROWTH DISORDERS**
[54] **COMPOSITION POUR LA PREVENTION ET LE TRAITEMENT DE TROUBLES DE LA POUSSE DES CHEVEUX**
[72] GIULIANI, GIAMMARIA, CH
[72] MARZANI, BARBARA, IT
[72] PINTO, DANIELA, IT
[72] BARONI, SERGIO, IT
[72] PAUS, RALF, DE
[72] HAWKSHAW, NATHAN, GB
[71] GIULIANI S.P.A., IT
[85] 2020-08-04
[86] 2019-02-13 (PCT/EP2019/053591)
[87] (WO2019/158607)
[30] IT (102018000002630) 2018-02-13

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[13] A1
[25] EN
[54] **SYSTEMS AND METHODS FOR FLEXIBLE ASSIGNMENT OF BEAMS TO GATEWAYS IN A HIGH THROUGHPUT DIGITAL PAYLOAD SATELLITE NETWORK**
[54] **SYSTEMES ET PROCEDES POUR UNE ATTRIBUTION FLEXIBLE DE FAISCEAUX A DES PASSERELLES DANS UN RESEAU DE SATELLITES DE CHARGE UTILE NUMERIQUE A GRAND DEBIT**
[72] ROY, SATYAJIT, US
[72] CHOQUETTE, GEORGE, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2020-08-04
[86] 2019-02-05 (PCT/US2019/016587)
[87] (WO2020/036625)
[30] US (15/889,194) 2018-02-05

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[13] A1
[51] **Int.Cl. C07K 16/22 (2006.01) A61P 19/00 (2006.01) A61P 19/10 (2006.01)**
[25] EN
[54] **GREMLIN-1 INHIBITOR FOR THE TREATMENT OF A BONE FRACTURE OR BONE DEFECT**
[54] **INHIBITEUR DE GREMLINE-1 POUR TRAITER UNE FRACTURE OSSEUSE OU UN DEFAUT OSSEUX**
[72] DAVIES, GARETH CHARLES GLYNDWR, GB
[72] ROBERTS, SCOTT JOHN, GB
[71] UCB BIOPHARMA SPRL, BE
[85] 2020-08-04
[86] 2019-02-14 (PCT/EP2019/053726)
[87] (WO2019/158658)
[30] GB (1802486.9) 2018-02-15

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[13] A1
[51] **Int.Cl. A61L 24/04 (2006.01)**
[25] EN
[54] **MULTI-DIMENSIONAL HEMOSTATIC PRODUCT AND METHOD FOR PRODUCING THE SAME**
[54] **PRODUIT HEMOSTATIQUE MULTIDIMENSIONNEL ET SON PROCEDE DE PRODUCTION**
[72] CENTIS, VALERIE, FR
[72] MONCHAUX, EMMANUELLE, FR
[71] BIOM'UP FRANCE SAS, FR
[85] 2020-08-04
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[51] **Int.Cl. C07K 16/30 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01)**
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[54] **FUSION PROTEIN CONSTRUCTS COMPRISING AN ANTI-MUC1 ANTIBODY AND IL-15**
[54] **CONSTRUCTIONS DE PROTEINES DE FUSION COMPRENANT UN ANTICORPS ANTI-MUC1 ET DE L'IL -15**
[72] GELLERT, JOHANNA, DE
[72] KEHLER, PATRIK, DE
[72] JAKEL, ANIKA, DE
[72] DIX, LAURA, DE
[72] DANIELCZYK, ANTJE, DE
[72] GOLETZ, STEFFEN, DE
[71] GLYCOTOPE GMBH, DE
[85] 2020-08-04
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[51] **Int.Cl. H02J 3/14 (2006.01) E21B 43/26 (2006.01) F04D 13/06 (2006.01) H02J 3/12 (2006.01)**
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[54] **MICROGRID ELECTRICAL LOAD MANAGEMENT**
[54] **GESTION DE CHARGE ELECTRIQUE DE MICRO-RESEAU**
[72] HINDERLITER, BRANDON N., US
[72] OEHRING, JARED, US
[71] U.S. WELL SERVICES, LLC, US
[85] 2020-08-04
[86] 2019-02-05 (PCT/US2019/016635)
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[30] US (62/626,614) 2018-02-05

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[25] EN
[54] **STEM CELL-BASED LUNG-ON-CHIP MODELS**
[54] **MODELES DE POUMON SUR PUCE A BASE DE CELLULES SOUCHES**
[72] NAWROTH, JANNA, US
[72] BARRILE, RICCARDO, US
[72] CONEGLIANO, DAVID, US
[72] VILLENAVE, REMI, US
[72] LUCCHESI, CAROLINA, US
[72] NGUYEN, JUSTIN, US
[72] VARONE, ANTONIO, US
[72] KARALIS, CATHERINE, US
[72] HAMILTON, GERALDINE, US
[71] EMULATE, INC., US
[85] 2020-08-04
[86] 2019-02-05 (PCT/US2019/016680)
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[25] EN
[54] **METHODS OF PRODUCING MORPHINAN ALKALOIDS AND DERIVATIVES**
[54] **PROCEDES DE PRODUCTION D'ALCALOIDES DE TYPE MORPHINANE ET DE DERIVES**
[72] SMOLKE, CHRISTINA D., US
[72] TRENCHARD, ISIS, US
[72] HAWKINS, KRISTY M., US
[72] THODEY, CATHERINE, US
[71] ANTHEIA, INC., US
[85] 2020-08-04
[86] 2019-02-08 (PCT/US2019/017357)
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[30] US (62/628,264) 2018-02-08

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[25] EN
[54] **A PROCESS FOR IMPROVING CARBON CONVERSION EFFICIENCY**
[54] **PROCEDE PERMETTANT D'AMELIORER L'EFFICACITE DE CONVERSION DE CARBONE**
[72] MIHALCEA, CHRISTOPHE, US
[72] CONRADO, ROBERT, US
[72] BOURDAKOS, NICHOLAS, US
[72] LI, XUELIANG, US
[72] SIMPSON, SEAN, US
[71] LANZATECH, INC., US
[85] 2020-08-04
[86] 2019-02-12 (PCT/US2019/017667)
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[30] US (62/629,163) 2018-02-12

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[25] EN
[54] **SMALL MOLECULES THAT BLOCK PROTEASOME-ASSOCIATED UBIQUITIN RECEPTOR RPN13 FUNCTION AND USES THEREOF**
[54] **PETITES MOLECULES PERMETTANT DE BLOQUER LA FONCTION DU RECEPTEUR RPN13 DE L'UBIQUITINE ASSOCIEE AU PROTEASOME ET UTILISATIONS ASSOCIEES**
[72] WU, LEI, CN
[72] ANDERSON, KENNETH C., US
[72] QI, JUN, US
[72] SONG, YAN, US
[72] CHAUHAN, DHARMINDER, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-08-04
[86] 2019-02-22 (PCT/US2019/019162)
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[51] **Int.Cl. C12N 5/0783 (2010.01)**
[25] EN
[54] **METHODS FOR MANUFACTURING T CELLS**
[54] **PROCEDES DE FABRICATION DE LYMPHOCYTES T**
[72] KALRA, MAMTA, US
[72] COUGHLIN, ZOE, US
[72] ALPERT, AMIR, US
[72] WALTER, STEFFEN, US
[72] MOHAMED, ALI, US
[72] BOURGOGNE, AGATHE, US
[71] IMMATICS US, INC., US
[85] 2020-08-04
[86] 2019-02-08 (PCT/US2019/017237)
[87] (WO2019/157298)
[30] US (62/628,521) 2018-02-09
[30] DE (10 2018 102 971.3) 2018-02-09
[30] US (62/633,113) 2018-02-21
[30] DE (10 2018 104 628.6) 2018-02-28
[30] US (62/647,571) 2018-03-23
[30] DE (10 2018 108 996.1) 2018-04-16
[30] US (62/726,350) 2018-09-03

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[51] **Int.Cl. C07D 495/14 (2006.01) A61K 31/4545 (2006.01) A61K 31/551 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) C07D 401/12 (2006.01)**
[25] EN
[54] **SMALL MOLECULES FOR INDUCING SELECTIVE PROTEIN DEGRADATION AND USES THEREOF**
[54] **PETITES MOLECULES PERMETTANT D'INDUIRE UNE DEGRADATION SELECTIVE DE PROTEINES ET UTILISATIONS ASSOCIEES**
[72] ANDERSON, KENNETH C., US
[72] WU, LEI, CN
[72] QI, JUN, US
[72] SONG, YAN, US
[72] PARK, PAUL, US
[72] CHAUHAN, DHARMINDER, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2020-08-04
[86] 2019-02-22 (PCT/US2019/019180)
[87] (WO2019/165229)
[30] US (62/634,679) 2018-02-23

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[51] **Int.Cl. A61F 2/50 (2006.01) A61F 2/54 (2006.01) A61F 2/58 (2006.01) A61F 2/68 (2006.01) A61F 2/70 (2006.01) A61F 2/72 (2006.01)**
[25] EN
[54] **GRASP ASSISTANCE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'AIDE A LA PREHENSION**
[72] KESNER, SAMUEL, US
[72] PEISNER, JEFFREY, US
[72] TACY, GENE, US
[72] HARLAN, ANDREW, US
[71] MYOMO, INC., US
[85] 2020-08-04
[86] 2019-03-06 (PCT/US2019/020874)
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[30] US (62/640,609) 2018-03-09

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[51] **Int.Cl. C08J 7/04 (2020.01) B09C 1/10 (2006.01) C01B 33/12 (2006.01) C02F 1/00 (2006.01) C02F 3/00 (2006.01) C02F 3/10 (2006.01) C02F 3/12 (2006.01) C07K 17/14 (2006.01) C12N 1/00 (2006.01) C12N 11/14 (2006.01) C12P 1/00 (2006.01)**
[25] EN
[54] **PHYSICAL DEPOSITION OF SILICEOUS PARTICLES ON PLASTIC SUPPORT TO ENHANCE SURFACE PROPERTIES**
[54] **DEPOT PHYSIQUE DE PARTICULES SILICEUSES SUR UN SUPPORT PLASTIQUE POUR AMELIORER LES PROPRIETES DE SURFACE**
[72] GOSSELIN, MATHILDE, CA
[72] GAUDREAULT, CHARLES, CA
[72] RAHMA, HAKIM, CA
[72] CABANA, HUBERT, CA
[71] GOSSELIN, MATHILDE, CA
[85] 2020-08-05
[86] 2018-02-06 (PCT/CA2018/050131)
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[30] US (62/455,277) 2017-02-06
[30] US (62/474,111) 2017-03-21
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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/519 (2006.01) A61P 1/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **USE OF ANTI-IL-36R ANTIBODIES FOR TREATMENT OF INFLAMMATORY BOWEL DISEASE**
[54] **UTILISATION D'ANTICORPS ANTI-IL-36 R POUR LE TRAITEMENT D'UNE MALADIE INTESTINALE INFLAMMATOIRE**
[72] BOECHER, WULF OTTO, DE
[72] LAMAR, JANINE, DE
[72] PADULA, STEVEN JOHN, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2020-08-04
[86] 2019-03-08 (PCT/US2019/021296)
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[30] US (62/642,641) 2018-03-14
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[51] **Int.Cl. H04W 80/02 (2009.01) H04W 88/08 (2009.01)**
[25] EN
[54] **DYNAMIC WIRELESS NETWORK ARCHITECTURE TO SERVE UPLINK-CENTRIC AND DOWNLINK-CENTRIC USER APPLICATIONS**
[54] **ARCHITECTURE DE RESEAU SANS FIL DYNAMIQUE POUR SERVIR DES APPLICATIONS UTILISATEUR CENTREES SUR LA LIAISON MONTANTE ET CENTREES SUR LA LIAISON DESCENDANTE**
[72] CAI, ZHENG, US
[72] FANG, ZHENG, US
[72] KAZEMINEJAD, SAIED, US
[72] WANG, YU, US
[71] SPRINT COMMUNICATIONS COMPANY L.P., US
[85] 2020-08-04
[86] 2019-03-14 (PCT/US2019/022348)
[87] (WO2019/178408)
[30] US (15/922,461) 2018-03-15

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[51] **Int.Cl. G01N 1/10 (2006.01) G01Q 30/20 (2010.01) G01N 1/14 (2006.01) G01N 1/38 (2006.01) G01N 1/40 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **MICROFLUIDIC DEVICE**
[54] **DISPOSITIF MICROFLUIDIQUE**
[72] SHRIVASTAVA, SANJIV, CA
[71] LMSERA INC., CA
[85] 2020-08-05
[86] 2018-02-28 (PCT/CA2018/050231)
[87] (WO2018/157245)
[30] US (62/464,602) 2017-02-28

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[13] A1
[51] **Int.Cl. G01N 33/24 (2006.01) H04W 12/06 (2009.01) H04W 12/08 (2009.01) G01N 1/08 (2006.01) G01N 1/28 (2006.01) G01N 33/02 (2006.01)**
[25] EN
[54] **REAGENT CARTRIDGE**
[54] **CARTOUCHE DE REACTIF**
[72] SWANSON, TODD, US
[72] KOCH, DALE, US
[71] PRECISION PLANTING LLC, US
[85] 2020-08-04
[86] 2019-03-19 (PCT/US2019/022982)
[87] (WO2019/183103)
[30] US (62/646,177) 2018-03-21

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[13] A1
[51] **Int.Cl. C12Q 1/6886 (2018.01)**
[25] EN
[54] **METHODS FOR CANCER DETECTION AND MONITORING BY MEANS OF PERSONALIZED DETECTION OF CIRCULATING TUMOR DNA**
[54] **PROCEDES DE DETECTION ET DE SURVEILLANCE DU CANCER AU MOYEN D'UNE DETECTION PERSONNALISEE D'ADN TUMORAL CIRCULANT**
[72] ZIMMERMANN, BERNHARD, US
[72] SALARI, RAHELEH, US
[72] SWENERTON, RYAN, US
[72] WU, HSIN-TA, US
[72] SETHI, HIMANSHU, US
[71] NATERA, INC., US
[85] 2020-08-04
[86] 2019-04-12 (PCT/US2019/027174)
[87] (WO2019/200228)
[30] US (62/657,727) 2018-04-14
[30] US (62/669,330) 2018-05-09
[30] US (62/693,843) 2018-07-03
[30] US (62/715,143) 2018-08-06
[30] US (62/746,210) 2018-10-16
[30] US (62/777,973) 2018-12-11
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[51] **Int.Cl. A63B 69/00 (2006.01) A63B 22/00 (2006.01)**
[25] EN
[54] **SKATING TRAINING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT AU PATINAGE**
[72] FORTIER, DEREK, CA
[72] BEAULIEU, GERARD, CA
[71] FORTIER, DEREK, CA
[71] BEAULIEU, GERARD, CA
[85] 2020-08-05
[86] 2019-02-12 (PCT/CA2019/000021)
[87] (WO2019/157586)
[30] CA (2,995,254) 2018-02-15

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[51] **Int.Cl. B65F 3/14 (2006.01) B65F 3/02 (2006.01) B65F 3/24 (2006.01)**
[25] EN
[54] **PACK THROUGH EJECT PANEL**
[54] **PANNEAU D'EJECTION TRAVERSANT A BANDES**
[72] BOIVIN, CLAUDE, CA
[72] BOIVIN, ERIC, CA
[72] MARSAN, HUGO, CA
[71] GESTION CLAUDE BOIVIN INC., CA
[85] 2020-08-05
[86] 2018-02-09 (PCT/CA2018/050149)
[87] (WO2019/153066)

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[13] A1
[51] **Int.Cl. A61B 90/00 (2016.01) A61B 34/20 (2016.01)**
[25] EN
[54] **REFERENCE DEVICE FOR REAL-TIME TRACKING OF BONE AND/OR SURGICAL OBJECTS IN COMPUTER-ASSISTED SURGERY**
[54] **DISPOSITIF DE REFERENCE POUR LE SUIVI EN TEMPS REEL D'OBJETS OSSEUX ET/OU CHIRURGICAUX DANS UNE CHIRURGIE ASSISTEE PAR ORDINATEUR**
[72] BUSCHBAUM, JAN, CH
[71] AO TECHNOLOGY AG, CH
[85] 2020-08-05
[86] 2019-02-05 (PCT/CH2019/000001)
[87] (WO2019/153096)
[30] CH (145/18) 2018-02-07

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[51] **Int.Cl. G01R 27/04 (2006.01) G01D 5/16 (2006.01) G01L 9/02 (2006.01) G01R 35/00 (2006.01)**
[25] EN
[54] **RESISTANCE MEASUREMENT ARRAY**
[54] **RESEAU DE MESURE DE RESISTANCE**
[72] VIBERG, DAVID ALLAN, CA
[72] PURDY, MICHAEL TODD, CA
[72] STEVENS, TRAVIS MICHAEL, CA
[71] ORPYX MEDICAL TECHNOLOGIES INC., CA
[85] 2020-08-05
[86] 2019-02-26 (PCT/CA2019/050229)
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[30] US (62/635,301) 2018-02-26

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[51] **Int.Cl. B60R 1/02 (2006.01) B60R 1/06 (2006.01) B60R 1/078 (2006.01) B60R 1/08 (2006.01)**
[25] EN
[54] **VEHICLE MIRRORS**
[54] **RETROVISEURS DE VEHICULE**
[72] MILES, SHANE ROBERT, AU
[71] MILES, SHANE ROBERT, AU
[85] 2020-08-05
[86] 2017-11-30 (PCT/AU2017/051320)
[87] (WO2018/098530)
[30] AU (2016904946) 2016-12-01

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[51] **Int.Cl. H04B 7/12 (2006.01) H04W 28/18 (2009.01) H04L 1/04 (2006.01) H04L 29/08 (2006.01) H04B 7/26 (2006.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD AND DEVICE, AND COMPUTER STORAGE MEDIUM**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE DONNEES AINSI QUE SUPPORT D'ENREGISTREMENT INFORMATIQUE**
[72] LIU, JIANHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-08-05
[86] 2018-02-14 (PCT/CN2018/076868)
[87] (WO2019/157728)

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[51] **Int.Cl. C07D 401/04 (2006.01) A61K 31/402 (2006.01) A61K 31/4025 (2006.01) A61P 21/00 (2006.01) C07D 403/04 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **COMPOUND HAVING BET INHIBITORY ACTIVITY AND PREPARATION METHOD AND USE THEREFOR**
[54] **COMPOSE PRESENTANT UNE ACTIVITE INHIBITRICE DE BET, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] XIA, LIN, CN
[72] GENG, MEIYU, CN
[72] YE, YAN, CN
[72] DING, JIAN, CN
[72] ZHANG, QIONG, CN
[72] SHEN, AIJUN, CN
[72] HUANG, YING, CN
[72] LIU, HONGCHUN, CN
[72] YANG, HAORAN, CN
[72] AI, JING, CN
[72] ZHANG, MINMIN, CN
[71] SHANGHAI HAIHE PHARMACEUTICAL CO., LTD., CN
[71] SHANGHAI INSTITUTE OF MATERIA MEDICA,CHINESE ACADEMY OF SCIENCES, CN
[85] 2020-08-05
[86] 2019-02-01 (PCT/CN2019/074448)
[87] (WO2019/154329)
[30] CN (201810118820.9) 2018-02-06

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[51] **Int.Cl. G08G 1/005 (2006.01) G01S 11/12 (2006.01) G01S 17/93 (2020.01) G08B 21/02 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR VULNERABLE ROAD USER ALERT**
[54] **PROCEDE ET APPAREIL D'ALERTE D'USAGER DE LA ROUTE VULNERABLE**
[72] DOIG, IAN CHRISTOPHER DRUMMOND, FR
[72] LEPP, JAMES RANDOLPH WINTER, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-08-05
[86] 2019-01-24 (PCT/EP2019/051811)
[87] (WO2019/154633)
[30] US (15/892,707) 2018-02-09

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[13] A1
[51] **Int.Cl. B29C 45/26 (2006.01) B29C 45/44 (2006.01) B29C 45/73 (2006.01)**
[25] EN
[54] **MOLD ASSEMBLY FOR INJECTION MOLDING OF A PLASTIC PIPE FITTING AND INJECTION MOLDED PIPE FITTING MADE OF PLASTICS**
[54] **ENSEMBLE MOULE POUR MOULAGE PAR INJECTION D'UN RACCORD DE TUYAU EN PLASTIQUE ET RACCORD DE TUYAU MOULE PAR INJECTION EN PLASTIQUE**
[72] SMAHL, JARMO, FI
[71] UPONOR INNOVATION AB, SE
[85] 2020-08-05
[86] 2019-02-05 (PCT/EP2019/052746)
[87] (WO2019/154794)
[30] FI (20185102) 2018-02-06

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[51] **Int.Cl. C07D 231/14 (2006.01) A61K 31/415 (2006.01) A61K 31/4439 (2006.01) A61P 1/16 (2006.01) A61P 3/00 (2006.01) A61P 29/00 (2006.01) C07D 231/12 (2006.01) C07D 401/04 (2006.01) C07D 401/12 (2006.01) C07D 403/04 (2006.01) C07D 403/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRAZOLES FFA4/GPR120 RECEPTOR AGONISTS**
[54] **PYRAZOLES SUBSTITUES AGONISTES DU RECEPTEUR FFA4/GPR120**
[72] TORINO, DOMENICA, IT
[72] PISCITELLI, FRANCESCO, IT
[72] CUSANO, VALENTINA, IT
[72] VITALONE, ROCCO, IT
[72] GRIFFIN, ANDREW, CA
[72] THOMAS, RUSSELL, IT
[72] PEVARELLO, PAOLO, IT
[72] YOUSIF, ALI MUNAIM, IT
[71] AXXAM S.P.A., IT
[85] 2020-07-31
[86] 2019-03-12 (PCT/EP2019/056131)
[87] (WO2019/175152)
[30] EP (18162003.0) 2018-03-15

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[51] **Int.Cl. A23L 33/105 (2016.01) A61Q 90/00 (2009.01) A23L 27/12 (2016.01) A23L 33/15 (2016.01) A23L 33/16 (2016.01) A61K 9/00 (2006.01) A61K 31/00 (2006.01) A61K 33/00 (2006.01) A61K 36/53 (2006.01) A61K 36/534 (2006.01) A61K 47/36 (2006.01)**
[25] EN
[54] **FOOD SUPPLEMENT, USES THEREOF, METHOD FOR FOOD SUPPLEMENTATION, AND ORAL SPRAY**
[54] **COMPLEMENT ALIMENTAIRE, SES UTILISATIONS, PROCEDE DE SUPPLEMENTATION ALIMENTAIRE ET SPRAY BUCCAL**
[72] STEINFELD, UTE, DE
[72] HOLZER, DOMINIK, DE
[71] URSAPHARM ARZNEIMITTEL GMBH, DE
[85] 2020-08-10
[86] 2019-01-14 (PCT/EP2019/050799)
[87] (WO2019/138106)
[30] DE (10 2018 200 492.7) 2018-01-12
[30] DE (10 2018 205 160.7) 2018-04-05

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[13] A1
[51] **Int.Cl. C12M 3/00 (2006.01) C12M 1/02 (2006.01)**
[25] EN
[54] **BIOPROCESSING APPARATUS**
[54] **APPAREIL DE BIOTRAITEMENT**
[72] GRIFFIN, WESTON BLAIN, US
[72] CORWIN, ALEX D, US
[72] ZHANG, XIAOHUA, US
[72] SMITH, REGINALD DONOVAN, US
[72] LIU, ZHEN, US
[72] ZHANG, CHENGKUN, US
[72] KESKAR, VANDANA, US
[72] DAVIS, BRIAN MICHAEL, US
[72] SHAIKH, KASHAN A, US
[71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US
[85] 2020-08-05
[86] 2019-02-08 (PCT/EP2019/053209)
[87] (WO2019/155030)
[30] US (15/893,336) 2018-02-09
[30] US (62/736,115) 2018-09-25
[30] US (62/736,125) 2018-09-25
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[54] **INFORMATION TRANSMISSION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS**
[72] TANG, HAI, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-07-31
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[25] FR
[54] **INHIBITOR FOR ALKALI AND ALKALINE EARTH METALS**
[54] **INHIBITEUR POUR METAUX ALCALINS ET ALCALINO-TERREUX**
[72] BOUCHARD, PATRICK, CA
[72] PRONOVOST, JOSEE, CA
[72] COSSETTE, CHRISTIANE, CA
[72] VERREAULT, SERGE, CA
[72] BARIL, CHANTAL, CA
[72] LEBLANC, DOMINIC, CA
[72] ZAGHIB, KARIM, CA
[71] HYDRO-QUEBEC, CA
[85] 2020-08-05
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[25] EN
[54] **BEVERAGE POWDER AND METHOD**
[54] **POUDRE DE BOISSON ET PROCEDE**
[72] NCHARI, LUANGA, GB
[72] MASSEY, AYSE TULAY, GB
[72] CLOSE, JAMES, GB
[72] ALMANT, MEHDI, GB
[72] WEST, SARAH, GB
[72] ONG, ZHEN KAI, GB
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
[85] 2020-08-05
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[30] GB (1802161.8) 2018-02-09

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[25] EN
[54] **PROCESS FOR THE PREPARATION OF METFORMIN**
[54] **PROCEDE DE PREPARATION DE METFORMINE**
[72] CORREIA, CAMILLE, DE
[72] POLI, RENAUD, FR
[72] GERBAUT, SERGE, FR
[72] DITTMANN, MARC, DE
[72] MAILLARD, DAVID, DE
[72] HAERTNER, SEBASTIAN, DE
[71] MERCK PATENT GMBH, DE
[85] 2020-08-05
[86] 2019-02-05 (PCT/EP2019/052689)
[87] (WO2019/154769)
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[51] **Int.Cl. F25B 15/00 (2006.01) C02F 1/04 (2006.01) F25B 30/04 (2006.01) F25B 35/04 (2006.01) F25B 37/00 (2006.01)**
[25] EN
[54] **ADSORPTION-BASED HEAT PUMP**
[54] **POMPE A CHALEUR A BASE D'ADSORPTION**
[72] MONTAZERI, HANIF, CA
[72] HOU, JINGYUAN, CA
[72] SINGH, ARSHAN, CA
[72] LASHKARI, BAHMAN, CA
[72] KRISHNAMURTHY, VIGNESH, CA
[71] ENERSION INC., CA
[85] 2020-08-05
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[30] US (62/639,843) 2018-03-07

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[25] EN
[54] **AMINOALKYL COMPOUND**
[54] **COMPOSE AMINOALKYLE**
[72] SUZUKI, KEISUKE, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
[85] 2020-08-05
[86] 2019-02-05 (PCT/JP2019/004071)
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[30] JP (2018-018940) 2018-02-06

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[51] **Int.Cl. B22F 3/02 (2006.01) B22F 1/00 (2006.01) B22F 1/02 (2006.01) C10M 105/60 (2006.01)**
[25] EN
[54] **MIXED POWDER FOR POWDER METALLURGY**
[54] **POUDRE MELANGEE POUR METALLURGIE DES POUDRES**
[72] SHIMAMOTO, HANAKO, JP
[72] UNAMI, SHIGERU, JP
[71] JFE STEEL CORPORATION, JP
[85] 2020-08-05
[86] 2018-12-12 (PCT/JP2018/045746)
[87] (WO2019/163263)
[30] JP (2018-028886) 2018-02-21

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[51] **Int.Cl. A61K 9/14 (2006.01) A61K 45/00 (2006.01) A61M 11/00 (2006.01) A61P 25/00 (2006.01) A61P 31/00 (2006.01)**
[25] EN
[54] **POWDER PREPARATION, CARTRIDGE, AND DEVICE**
[54] **PREPARATION PULVERULENTE, CARTOUCHE ET DISPOSITIF**
[72] HARUTA, SHUNJI, JP
[71] SHIN NIPPON BIOMEDICAL LABORATORIES, LTD., JP
[85] 2020-08-05
[86] 2019-02-07 (PCT/JP2019/004331)
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[51] **Int.Cl. C07H 3/02 (2006.01) A23L 27/30 (2016.01) C07H 1/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING FUNCTIONAL CRYSTALLINE SWEETENER**
[54] **PROCEDE DE PRODUCTION D'EDULCORANT CRISTALLIN FONCTIONNEL**
[72] KIM, GO-EUN, KR
[72] YANG, JAE-KYUNG, KR
[72] RYU, KYUNG-HUN, KR
[72] PARK, SUNG WON, KR
[72] PARK, JI WON, KR
[72] CHOI, EUNSOO, KR
[71] SAMYANG CORPORATION, KR
[85] 2020-08-05
[86] 2019-02-07 (PCT/KR2019/001536)
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[30] KR (PCT/KR2018/001829) 2018-02-12
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[25] EN
[54] **NAPHTHALENE ISOXAZOLINE COMPOUNDS FOR CONTROLLING INVERTEBRATE PESTS**
[54] **COMPOSES D'ISOXAZOLINE NAPHTALENE DESTINES A LA LUTTE CONTRE LES NUISIBLES INVERTEBRES**
[72] XU, MING, US
[72] LAHM, GEORGE PHILIP, US
[72] LONG, JEFFREY KEITH, US
[71] FMC CORPORATION, US
[85] 2020-08-05
[86] 2019-02-01 (PCT/US2019/016260)
[87] (WO2019/156903)
[30] US (62/629,154) 2018-02-12
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[51] **Int.Cl. B02C 4/30 (2006.01)**
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[54] **A ROLL FOR A ROLLER PRESS, AS WELL AS A ROLLER PRESS PROVIDED WITH SUCH A ROLL**
[54] **ROULEAU POUR UNE PRESSE A ROULEAUX, ET PRESSE A ROULEAUX COMPORTANT UN TEL ROULEAU**
[72] HANNOT, STEPHAN DAVID ARJAN, NL
[72] VAN DER ENDE, RENE, NL
[71] WEIR MINERALS NETHERLANDS B.V., NL
[85] 2020-08-05
[86] 2019-02-07 (PCT/NL2019/050077)
[87] (WO2019/156558)
[30] NL (2020403) 2018-02-08

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[51] **Int.Cl. G06T 9/40 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONAL DATA ENCODING METHOD, THREE-DIMENSIONAL DATA DECODING METHOD, THREE-DIMENSIONAL DATA ENCODING DEVICE, AND THREE-DIMENSIONAL DATA DECODING DEVICE**
[54] **PROCEDE DE CODAGE DE DONNEES TRIDIMENSIONNELLES, PROCEDE DE DECODAGE DE DONNEES TRIDIMENSIONNELLES, DISPOSITIF DE CODAGE DE DONNEES TRIDIMENSIONNELLES, ET DISPOSITIF DE DECODAGE DE DONNEES TRIDIMENSIONNELLES**
[72] SUGIO, TOSHIYASU, JP
[72] KOYAMA, TATSUYA, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/JP2019/004346)
[87] (WO2019/156141)
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[51] **Int.Cl. A22C 25/14 (2006.01)**
[25] EN
[54] **GUTTING MACHINE AND A METHOD FOR GUTTING FISH IN A GUTTING MACHINE**
[54] **MACHINE D'EVISCERATION ET PROCEDE D'EVISCERATION DE POISSONS DANS UNE MACHINE D'EVISCERATION**
[72] SEIM, KNUT INGE, NO
[72] SOLBERG, RONNY, NO
[71] KNURO AS, NO
[85] 2020-08-05
[86] 2019-02-04 (PCT/NO2019/050031)
[87] (WO2019/156570)
[30] NO (20180194) 2018-02-07

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[51] **Int.Cl. F01K 25/10 (2006.01) H02K 7/18 (2006.01) H02K 35/02 (2006.01)**
[25] EN
[54] **WORKING MEDIUM CHARACTERISTIC DIFFERENCE POWER GENERATION SYSTEM AND WORKING MEDIUM CHARACTERISTIC DIFFERENCE POWER GENERATION METHOD IN WHICH SAID POWER GENERATION SYSTEM IS USED**
[54] **SYSTEME DE PRODUCTION D'ENERGIE A DIFFERENCE DE CARACTERISTIQUE DE MILIEU DE TRAVAIL ET PROCEDE DE PRODUCTION D'ENERGIE A DIFFERENCE DE CARACTERISTIQUE DE MILIEU DE TRAVAIL DANS LEQUEL LEDIT SYSTEME DE PRODUCTION D'ENERGIE EST UTILISE**
[72] KOBAYASHI TAKAITSU, JP
[71] KOBAYASHI TAKAITSU, JP
[85] 2020-08-05
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[87] (WO2019/167588)
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[13] A1
[51] **Int.Cl. B60B 7/04 (2006.01) B60B 7/00 (2006.01)**
[25] EN
[54] **HUB CAP VENT SHIELD**
[54] **PROTECTION DE BOUCHON DE MISE A L'AIR LIBRE POUR CHAPEAU DE MOYEU**
[72] JIMENEZ, DANIEL T., US
[72] GOINS, HERMAN E., JR., US
[72] GOLD, MARK N., US
[72] SANTAMARIA, LUCIA, US
[71] STEMCO PRODUCTS, INC., US
[85] 2020-08-05
[86] 2019-02-04 (PCT/US2019/016475)
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[30] US (62/629,266) 2018-02-12

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[51] **Int.Cl. C12N 15/82 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/04 (2006.01)**
[25] EN
[54] **MAIZE PARTHENOGENETIC HAPLOID-INDUCING GENE ZMPLA1E AND APPLICATION THEREOF**
[54] **GENE ZMPLA1E INDUIT PAR UN HAPLOIDE PARTHENOGENETIQUE DE MAIS ET SON UTILISATION**
[72] CHEN, SHAOJIANG, CN
[72] ZHONG, YU, CN
[72] LIU, CHENXU, CN
[71] CHINA AGRICULTURAL UNIVERSITY, CN
[85] 2020-08-05
[86] 2018-12-19 (PCT/CN2018/121993)
[87] (WO2019/153899)
[30] CN (201810129251.8) 2018-02-08

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[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/0735 (2010.01) C12N 1/00 (2006.01) C12N 5/10 (2006.01) C12Q 1/02 (2006.01)**
[25] EN
[54] **METHOD FOR INDUCING DIFFERENTIATION OF PLURIPOTENT STEM CELLS INTO INTESTINAL EPITHELIAL CELLS**
[54] **METHODE D'INDUCTION D'UNE DIFFERENCIATION DE CELLULES SOUCHES PLURIPOTENTES EN CELLULES EPITHELIALES INTESTINALES**
[72] MATSUNAGA, TAMIHIDE, JP
[72] IWAO, TAKAHIRO, JP
[72] KABEYA, TOMOKI, JP
[72] MIMA, SHINJI, JP
[72] MIYASHITA, TOSHIHIDE, JP
[71] PUBLIC UNIVERSITY CORPORATION NAGOYA CITY UNIVERSITY, JP
[71] FUJIFILM CORPORATION, JP
[85] 2020-08-05
[86] 2019-02-08 (PCT/JP2019/004553)
[87] (WO2019/156200)
[30] JP (2018-021545) 2018-02-09

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[51] **Int.Cl. H04W 72/04 (2009.01) H04L 27/26 (2006.01)**
[25] EN
[54] **TERMINAL APPARATUS, BASE STATION APPARATUS, AND COMMUNICATION METHOD**
[54] **DISPOSITIF TERMINAL, DISPOSITIF DE STATION DE BASE ET PROCEDE DE COMMUNICATION**
[72] SUZUKI, SHOUICHI, JP
[72] YOSHIMURA, TOMOKI, JP
[72] OHUCHI, WATARU, JP
[72] LIU, LIQING, JP
[72] LEE, TAEWOO, JP
[71] SHARP KABUSHIKI KAISHA, JP
[71] FG INNOVATION COMPANY LIMITED, CN
[85] 2020-08-05
[86] 2019-02-08 (PCT/JP2019/004669)
[87] (WO2019/156224)
[30] JP (2018-020774) 2018-02-08

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[51] **Int.Cl. A61F 2/24 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **HEART VALVE DOCKING DEVICES AND SYSTEMS**
[54] **DISPOSITIFS ET SYSTEMES D'AMARRAGE DE VALVULE CARDIAQUE**
[72] PATEL, DARSHIN S., US
[72] MANASH, BOAZ, US
[72] PERLMUTTER, KHEN, US
[72] LEIBA, EYAL, US
[72] ROZEN, YOAV, US
[72] SIRIMANNE, DINESH L., US
[72] TRAN, TRI D., US
[72] CHAU, JOCELYN, US
[72] AXELROD, NOA, US
[72] KIBLITSKI, ZOHAR, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-08-05
[86] 2018-02-23 (PCT/US2018/019545)
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[30] US (15/902,956) 2018-02-22

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 31/454 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PEDIATRIC NIRAPARIB FORMULATIONS AND PEDIATRIC TREATMENT METHODS**
[54] **FORMULATIONS PEDIATRIQUES DE NIRAPARIB ET PROCEDES DE TRAITEMENT PEDIATRIQUE**
[72] MCGURK, SIMON, US
[72] LUST, DAVID, US
[72] JOHNSTON, KEVIN, US
[72] VERWIJS, DUANTEL, US
[72] NELSON, AARON, US
[72] MEDENDORP, CLARE, US
[72] RONSHEIM, MELANIE, US
[72] CHABER, JOHN, US
[72] RUDDY, STEVE, US
[72] POUTSIAKA, KATIE, US
[72] VAN HOORN, DANNY, US
[72] DOWLING, AILEEN, US
[71] TESARO, INC, US
[85] 2020-08-05
[86] 2019-02-05 (PCT/US2019/016648)
[87] (WO2019/152989)
[30] US (62/626,644) 2018-02-05
[30] US (62/626,646) 2018-02-05

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[13] A1
[51] **Int.Cl. G02B 30/26 (2020.01) G02B 27/42 (2006.01) G09F 9/305 (2006.01)**
[25] EN
[54] **HORIZONTAL PARALLAX MULTIVIEW DISPLAY AND METHOD HAVING SLANTED MULTIBEAM COLUMNS**
[54] **AFFICHAGE A VUES MULTIPLES A PARALLAXE HORIZONTALE ET PROCEDE AYANT DES COLONNES INCLINEES A FAISCEAUX MULTIPLES**
[72] FATTAL, DAVID A., US
[71] LEIA INC., US
[85] 2020-08-05
[86] 2018-03-15 (PCT/US2018/022760)
[87] (WO2019/177617)

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[13] A1
[51] **Int.Cl. H04W 76/27 (2018.01)**
[25] EN
[54] **METHODS, NETWORK NODES, WIRELESS DEVICE AND COMPUTER PROGRAM PRODUCT FOR RESUMING A CONNECTION WITH FULL CONFIGURATION**
[54] **PROCEDES, N□UDS DE RESEAU, DISPOSITIF SANS FIL ET PRODUIT PROGRAMME INFORMATIQUE PERMETTANT DE REPRENDRE UNE CONNEXION AVEC UNE CONFIGURATION COMPLETE**
[72] TEYEB, OUMER, SE
[72] MILDH, GUNNAR, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2020-08-05
[86] 2019-02-01 (PCT/IB2019/050836)
[87] (WO2019/159030)
[30] US (62/631,467) 2018-02-15

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[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) C07D 475/04 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **GAMMA POLYGLUTAMATED PEMETREXED AND USES THEREOF**
[54] **COMPOSITIONS DE PEMETREXED POLYGLUTAMATE GAMMA ET LEURS UTILISATIONS**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/017000)
[87] (WO2019/157145)
[30] US (62/627,732) 2018-02-07
[30] US (62/630,625) 2018-02-14
[30] US (62/662,372) 2018-04-25
[30] US (62/702,774) 2018-07-24
[30] US (62/702,779) 2018-07-24
[30] US (62/764,945) 2018-08-17
[30] US (62/764,951) 2018-08-17

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[13] A1
[51] **Int.Cl. A47G 19/22 (2006.01)**
[25] EN
[54] **TRAINING CUP**
[54] **TASSE D'APPRENTISSAGE**
[72] RENZ, CHARLES, US
[72] ROSASCO, ROBERT F. III, US
[71] EDGEWELL PERSONAL CARE BRANDS, LLC, US
[85] 2020-08-05
[86] 2018-07-30 (PCT/US2018/044287)
[87] (WO2019/156709)
[30] US (62/626,889) 2018-02-06

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[51] **Int.Cl. A61K 31/535 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **HETEROBICYCLIC CARBOXYLIC ACIDS FOR TREATING CANCER OR INFLAMMATORY DISEASES**
[54] **ACIDES CARBOXYLIQUES HETEROBICYCLIQUES POUR TRAITER LE CANCER OU DES MALADIES INFLAMMATOIRES**
[72] ZHOU, GANG, CN
[72] SUN, YONGKUI, CN
[72] WANG, ZHAOYIN, CN
[71] SHENZHEN IONOVA LIFE SCIENCE CO., LTD., CN
[71] FOSHAN IONOVA BIOTHERAPEUTICS INC., CN
[85] 2020-08-05
[86] 2019-02-02 (PCT/CN2019/074618)
[87] (WO2019/149286)
[30] CN (PCT/CN2018/075198) 2018-02-05

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[51] **Int.Cl. E06B 3/26 (2006.01)**
[25] EN
[54] **COMPOSITE MOLDED SHELL WITH STIFFENING INNER CORE FOR INTERIOR TRIM MOLDING APPLICATIONS**
[54] **COQUE MOULEE COMPOSITE DOTEE D'UN NOYAU INTERNE DE RAIDISSEMENT POUR DES APPLICATIONS DE MOULAGE DE GARNITURE INTERIEURE**
[72] THOMSON, COLIN MACRAE, US
[71] WILLIAM-MACRAE AND COMPANY, US
[85] 2020-08-05
[86] 2019-02-05 (PCT/US2019/016595)
[87] (WO2019/152971)
[30] US (62/626,305) 2018-02-05
[30] US (16/267,683) 2019-02-05

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[13] A1
[51] **Int.Cl. G06F 3/12 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO PROTECT SENSITIVE INFORMATION ON MEDIA PROCESSING DEVICES**
[54] **PROCEDE ET APPAREIL DE PROTECTION D'INFORMATIONS SENSIBLES SUR DES DISPOSITIFS DE TRAITEMENT MULTIMEDIA**
[72] PEKARSKE, ANDREW J., US
[72] REHBERGER, JAMES M., US
[71] ZEBRA TECHNOLOGIES CORPORATION, US
[85] 2020-08-05
[86] 2018-12-20 (PCT/US2018/066782)
[87] (WO2019/172979)
[30] US (15/914,683) 2018-03-07

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CANCER REGIMEN USING ANTI-CD47 AND ANTI-CD20 ANTIBODIES**
[54] **REGIME ANTICANCEREUX FAISANT APPEL A DES ANTICORPS ANTI-CD47 ET ANTI-CD20**
[72] CHAO, MARK PING, US
[72] TAKIMOTO, CHRIS HIDEMI MIZUFUNE, US
[72] VOLKMER, JENS-PETER, US
[71] FORTY SEVEN, INC., US
[85] 2020-08-05
[86] 2019-02-11 (PCT/US2019/017466)
[87] (WO2019/157432)
[30] US (62/629,340) 2018-02-12
[30] US (62/678,468) 2018-05-31
[30] US (62/743,060) 2018-10-09
[30] US (62/743,875) 2018-10-10

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[13] A1
[51] **Int.Cl. E02B 3/02 (2006.01)**
[25] EN
[54] **DEVICE FOR A SEDIMENT TRANSFER IN WATERS, AND ALSO A METHOD FOR A TRANSFER OF SEDIMENT IN WATERS**
[54] **DISPOSITIF POUR UN TRANSFERT DE SEDIMENT DANS DES ETENDUES D'EAU AINSI QUE PROCEDE POUR UN TRANSFERT DE SEDIMENT DANS DES ETENDUES D'EAU**
[72] DETERING, MICHAEL, DE
[71] DETERING, MICHAEL, DE
[85] 2020-08-05
[86] 2019-01-14 (PCT/EP2019/050802)
[87] (WO2019/161996)
[30] DE (10 2018 104 038.5) 2018-02-22

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[54] **VAPORIZER**
[54] **VAPORISATEUR**
[72] LINDARS, MICHAEL, US
[72] NIEMEYER, ROBERT, US
[71] ICONIC VENTURES, INC., US
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[87] (WO2019/153012)
[30] US (62/626,451) 2018-02-05
[30] US (15/950,083) 2018-04-10

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[51] **Int.Cl. C07D 277/58 (2006.01) C07D 333/44 (2006.01) C07D 409/12 (2006.01)**
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[54] **SUBSTITUTED BENZOTHIOPHENE ANALOGS AS SELECTIVE ESTROGEN RECEPTOR DEGRADERS**
[54] **ANALOGUES DE BENZOTHIOPHENE SUBSTITUES EN TANT QU'AGENTS DE DEGRADATION SELECTIFS DU RECEPTEUR D'□STROGENES**
[72] THATCHER, GREGORY R., US
[72] XIONG, RUI, US
[72] ZHAO, JIONG, US
[72] LU, YUNLONG, US
[72] GUTGESELL, LAUREN, US
[72] ROSALES, CARLO IVAN, US
[72] LI, YANFENG, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
[85] 2020-08-05
[86] 2019-02-06 (PCT/US2019/016793)
[87] (WO2019/157020)
[30] US (62/626,785) 2018-02-06
[30] US (62/657,046) 2018-04-13

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[54] **ALPHA POLYGLUTAMATED PEMETREXED AND USES THEREOF**
[54] **PEMETREXED ALPHA-POLYGLUTAMATE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/016989)
[87] (WO2019/157138)
[30] US (62/627,703) 2018-02-07
[30] US (62/627,741) 2018-02-07
[30] US (62/630,629) 2018-02-14
[30] US (62/662,374) 2018-04-25
[30] US (62/702,732) 2018-07-24
[30] US (62/702,561) 2018-07-24
[30] US (62/764,943) 2018-08-17
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[54] **PSMA TARGETED RADIOHALOGENATED UREA-POLYAMINOCARBOXYLATES FOR CANCER RADIOTHERAPY**
[54] **POLYAMINOCARBOXYLATES D'UREE RADIOHALOGENES CIBLANT PSMA POUR LA RADIOTHERAPIE ANTICANCEREUSE**
[72] POMPER, MARTIN G., US
[72] MEASE, RONNIE C., US
[72] KUMAR, VIVEK, US
[72] RAY, SANGEETA, US
[72] ZALUTSKY, MICHAEL, US
[72] VAIDYANATHAN, GANESAN, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[71] DUKE UNIVERSITY, US
[85] 2020-08-05
[86] 2019-02-06 (PCT/US2019/016821)
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[30] US (62/626,993) 2018-02-06

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[51] **Int.Cl. A61K 31/445 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **USE OF MIGALASTAT FOR TREATING FABRY DISEASE IN PREGNANT PATIENTS**
[54] **UTILISATION DE MIGALASTAT POUR LE TRAITEMENT DE LA MALADIE DE FABRY CHEZ DES PATIENTES ENCEINTES**
[72] BARTH, JAY, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2020-08-05
[86] 2019-02-06 (PCT/US2019/016841)
[87] (WO2019/157047)
[30] US (62/626,955) 2018-02-06

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[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 10/10 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **TRANSACTION CLASSIFICATION BASED ON TRANSACTION TIME PREDICTIONS**
[54] **CLASSIFICATION DE TRANSACTION BASEE SUR DES PREDICTIONS DE TEMPS DE TRANSACTION**
[72] WU, GRACE, US
[71] INTUIT INC., US
[85] 2020-08-05
[86] 2019-01-17 (PCT/US2019/013906)
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[51] **Int.Cl. A61K 31/445 (2006.01) A61P 13/12 (2006.01)**
[25] EN
[54] **TREATMENT OF PATIENTS WITH CLASSIC FABRY DISEASE**
[54] **TRAITEMENT DE PATIENTS ATTEINTS DE LA MALADIE DE FABRY CLASSIQUE**
[72] BARTH, JAY, US
[72] BENJAMIN, ELFRIDA, US
[71] AMICUS THERAPEUTICS, INC., US
[85] 2020-08-05
[86] 2019-02-06 (PCT/US2019/016853)
[87] (WO2019/157056)
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[25] EN
[54] **ALPHA POLYGLUTAMATED ANTIFOLATES AND USES THEREOF**
[54] **ANTIFOLATES ALPHA-POLYGLUTAMATES ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/017002)
[87] (WO2019/157146)
[30] US (62/627,716) 2018-02-07
[30] US (62/627,714) 2018-02-07
[30] US (62/627,731) 2018-02-07
[30] US (62/627,703) 2018-02-07
[30] US (62/627,741) 2018-02-07
[30] US (62/630,629) 2018-02-14
[30] US (62/630,637) 2018-02-14
[30] US (62/630,634) 2018-02-14
[30] US (62/630,671) 2018-02-14
[30] US (62/630,744) 2018-02-14
[30] US (62/630,820) 2018-02-14
[30] US (62/630,713) 2018-02-14
[30] US (62/630,728) 2018-02-14
[30] US (62/630,825) 2018-02-14
[30] US (62/636,294) 2018-02-28
[30] US (62/662,374) 2018-04-25
[30] US (62/702,561) 2018-07-24
[30] US (62/702,732) 2018-07-24
[30] US (62/764,955) 2018-08-17
[30] US (62/764,943) 2018-08-17

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[51] **Int.Cl. F24H 1/18 (2006.01) F24H 1/20 (2006.01) F24H 9/00 (2006.01)**
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[54] **DUAL INPUT WATER HEATER**
[54] **CHAUFFE-EAU A DOUBLE ENTREE**
[72] KNOEPPEL, RAY O., US
[72] YIN, JIANMIN, US
[72] EDINGTON, CHAD, US
[71] A.O. SMITH CORPORATION, US
[85] 2020-08-05
[86] 2019-02-06 (PCT/US2019/016888)
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[51] **Int.Cl. C08L 91/06 (2006.01) C09D 5/00 (2006.01) C09D 123/00 (2006.01) C09D 175/04 (2006.01) C09D 191/06 (2006.01)**
[25] EN
[54] **SCUFF RESISTANT AND CHIP RESISTANT ARCHITECTURAL COMPOSITIONS**
[54] **COMPOSITIONS ARCHITECTURALES RESISTANT AUX ERAFLURES ET RESISTANT AUX ECLATS**
[72] LEE, KEVIN, US
[72] PENNY, THOMAS, US
[72] DUGAN, JONATHAN, US
[71] BENJAMIN MOORE & CO., US
[85] 2020-08-05
[86] 2019-01-29 (PCT/US2019/015619)
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[51] **Int.Cl. A61K 31/519 (2006.01) C07D 475/04 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **GAMMA POLYGLUTAMATED ANTIFOLATES AND USES THEREOF**
[54] **ANTIFOLATES GAMMA-POLYGLUTAMATES ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/017004)
[87] (WO2019/157148)
[30] US (62/627,733) 2018-02-07
[30] US (62/627,732) 2018-02-07
[30] US (62/630,625) 2018-02-14
[30] US (62/630,751) 2018-02-14
[30] US (62/630,652) 2018-02-14
[30] US (62/630,620) 2018-02-14
[30] US (62/630,824) 2018-02-14
[30] US (62/630,613) 2018-02-14
[30] US (62/636,289) 2018-02-28
[30] US (62/662,372) 2018-04-25
[30] US (62/702,774) 2018-07-24
[30] US (62/702,779) 2018-07-24
[30] US (62/764,951) 2018-08-17
[30] US (62/764,945) 2018-08-17

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[51] **Int.Cl. A61K 31/519 (2006.01) C07D 475/04 (2006.01) C07K 16/28 (2006.01)**
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[54] **ALPHA POLYGLUTAMATED TETRAHYDROFOLATES AND USES THEREOF**
[54] **TETRAHYDROFOLATES ALPHA POLYGLUTAMES ET LEURS UTILISATIONS**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/016955)
[87] (WO2019/157120)
[30] US (62/627,741) 2018-02-07
[30] US (62/630,820) 2018-02-14
[30] US (62/630,825) 2018-02-14
[30] US (62/636,294) 2018-02-28
[30] US (62/662,374) 2018-04-25
[30] US (62/702,732) 2018-07-24
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[25] EN
[54] **ANTI-PD-1/ANTI-HER2 NATURAL ANTIBODY STRUCTURAL HETERODIMERIC BISPECIFIC ANTIBODY AND METHOD OF PREPARING SAME**
[54] **ANTICORPS BISPECIFIQUE HETERODIMERIQUE A STRUCTURE D'ANTICORPS NATUREL ANTI-PD-1/ANTI-HER2 ET SON PROCEDE DE PREPARATION**
[72] LIU, JIAWANG, CN
[72] SONG, NANMENG, CN
[72] YANG, YAPING, CN
[72] KIM, MAENG SUP, CN
[72] YAN, YAO, CN
[72] YIN, QINGQING, CN
[71] BEIJING HANMI PHARMACEUTICAL CO., LTD., CN
[71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD, CN
[85] 2020-08-05
[86] 2019-02-08 (PCT/IB2019/051008)
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[51] **Int.Cl. A61B 17/00 (2006.01) A61B 90/30 (2016.01)**
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[54] **PROGRAMMABLE MEDICAL WIRE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE FIL MEDICAL PROGRAMMABLE**
[72] SCHUBERT, KEITH E., US
[72] OLAFSEN, LINDA, US
[72] OLAFSEN, JEFFREY, US
[72] LEE, SUNGHWAN, US
[72] HUANG, JASON H., US
[72] DAYAWANSA, SAMANTHA, US
[72] CHOI, JIN-WOO, US
[71] BAYLOR UNIVERSITY, US
[71] SCOTT & WHITE HEALTHCARE, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/017025)
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[30] US (62/628,614) 2018-02-09

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[51] **Int.Cl. A61K 38/08 (2019.01) A61K 9/127 (2006.01) A61K 31/519 (2006.01) A61K 38/05 (2006.01) A61K 38/06 (2006.01) A61K 38/07 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07K 16/28 (2006.01) C07K 5/02 (2006.01) C07K 7/02 (2006.01)**
[25] EN
[54] **ALPHA POLYGLUTAMATED METHOTREXATE AND USES THEREOF**
[54] **METHOTREXATE ALPHA-POLYGLUTAMATE ET UTILISATIONS ASSOCIEES**
[72] NIYIKIZA, CLET, US
[72] MOYO, VICTOR MANDLA, US
[71] L.E.A.F. HOLDINGS GROUP LLC, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/016964)
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[30] US (62/627,716) 2018-02-07
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[30] US (62/630,728) 2018-02-14
[30] US (62/662,374) 2018-04-25
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[51] **Int.Cl. G06F 16/29 (2019.01) G06Q 50/14 (2012.01) G06Q 50/16 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **A METHOD AND AN APPARATUS FOR SEARCHING OR COMPARING SITES USING ROUTES OR ROUTE LENGTHS BETWEEN SITES AND PLACES WITHIN A TRANSPORTATION SYSTEM**
[54] **PROCEDE ET APPAREIL DE RECHERCHE OU DE COMPARAISON DE SITES UTILISANT DES ITINERAIRES OU DES LONGUEURS D'ITINERAIRES ENTRE DES SITES ET DES LIEUX AU SEIN D'UN SYSTEME DE TRANSPORT**
[72] MALEWICZ, GRZEGORZ, PL
[71] MALEWICZ, GRZEGORZ, PL
[85] 2020-08-05
[86] 2019-02-14 (PCT/US2019/017909)
[87] (WO2019/164727)
[30] US (62/632,419) 2018-02-20
[30] US (62/758,710) 2018-11-12
[30] US (62/780,268) 2018-12-16
[30] US (62/800,428) 2019-02-02
[30] US (16/274,242) 2019-02-13

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[51] **Int.Cl. C12N 15/62 (2006.01) C07K 14/54 (2006.01)**
[25] EN
[54] **TETHERED INTERLEUKIN-15 AND INTERLEUKIN-21**
[54] **INTERLEUKINE-15 ET INTERLEUKINE-21 ATTACHEES**
[72] HINRICHS, CHRISTIAN S., US
[72] JIN, BENJAMIN Y., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/016975)
[87] (WO2019/157130)
[30] US (62/628,454) 2018-02-09

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[13] A1
[51] **Int.Cl. A62C 35/60 (2006.01) A62C 35/00 (2006.01) A62C 35/58 (2006.01)**
[25] EN
[54] **FIRE PROTECTION SYSTEM FOR SLOPED COMBUSTIBLE CONCEALED SPACES**
[54] **SYSTEME DE PROTECTION CONTRE L'INCENDIE POUR ESPACES CACHES COMBUSTIBLES INCLINES**
[72] DESROSIER, JOHN, US
[72] ARCHIBALD, THOMAS EDWIN, US
[72] MAUGHAN, KEVIN DESMOND, US
[72] ROGERS, KENNETH WAYNE, US
[72] GORDON, KIM PHILLIP, US
[72] MEYER, STEPHEN J., US
[71] VICTAULIC COMPANY, US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/017028)
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[30] US (62/630,313) 2018-02-14

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[51] **Int.Cl. B65D 23/08 (2006.01) B65D 23/10 (2006.01) B65D 23/12 (2006.01)**
[25] EN
[54] **GRIPPING ATTACHMENT FOR A BOTTLE**
[54] **ACCESSOIRE DE PREHENSION POUR UNE BOUTEILLE**
[72] CHALFANT, TONYA LEE, US
[72] LUISI, JACOB, US
[72] PAGE, CARRIE JANNEAN, US
[72] SQUILLACE, MICHAEL P., US
[72] TERNIK, ROBERT LOUIS, US
[72] THOMAS, MATTHEW SCOTT, US
[72] ZHANG, TONY Y., US
[71] ELI LILLY AND COMPANY, US
[85] 2020-08-05
[86] 2019-02-14 (PCT/US2019/017925)
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[30] US (62/633,206) 2018-02-21

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[13] A1
[51] **Int.Cl. C12N 15/11 (2006.01) C12N 15/12 (2006.01)**
[25] EN
[54] **OLIGONUCLEOTIDE THERAPY FOR WILSON DISEASE**
[54] **THERAPIE OLIGONUCLEOTIDIQUE POUR LA MALADIE DE WILSON**
[72] SCHMITGES, FRANK, CA
[72] MERICO, DANIELE, CA
[72] WIENHOLDS, ERNO, CA
[72] O'HARA, MATTHEW, CA
[71] DEEP GENOMICS INCORPORATED, CA
[85] 2020-08-05
[86] 2019-02-14 (PCT/US2019/018076)
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[30] US (62/630,565) 2018-02-14

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[51] **Int.Cl. A61H 3/02 (2006.01)**
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[54] **FLEXURE BASED MOBILITY AID TIP**
[54] **EMBOUT D'AIDE A LA MOBILITE FONDE SUR LA FLEXION**
[72] AMBALAPUZHA, ARVIND SURESH, IN
[72] SRINIVAS, ADEPU, IN
[71] FLEXMOTIV TECHNOLOGIES PVT LTD., IN
[85] 2020-08-05
[86] 2019-02-06 (PCT/IN2019/050093)
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[30] IN (201841004533) 2018-02-07

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[51] **Int.Cl. A61K 47/68 (2017.01) A61K 9/00 (2006.01) A61K 48/00 (2006.01) A61P 3/00 (2006.01) C12N 9/24 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THERAPEUTIC PROTEIN DELIVERY**
[54] **PROCEDES ET COMPOSITIONS POUR L'ADMINISTRATION DE PROTEINES THERAPEUTIQUES**
[72] BAIK, ANDREW, US
[72] CYGNAR, KATHERINE, US
[72] PRAGGASTIS, MARIA, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-08-05
[86] 2019-02-07 (PCT/US2019/017116)
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[30] US (62/627,721) 2018-02-07
[30] US (62/777,683) 2018-12-10

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[51] **Int.Cl. A61M 29/00 (2006.01) A61B 17/12 (2006.01) A61M 1/12 (2006.01) A61M 39/22 (2006.01) A61M 25/00 (2006.01) A61M 25/06 (2006.01)**
[25] EN
[54] **EXPANDABLE INTRODUCER SHEATH FOR MEDICAL DEVICE**
[54] **GAINE D'INTRODUCTION EXTENSIBLE POUR DISPOSITIF MEDICAL**
[72] KORKUCH, CHRISTOPHER, NASON, US
[72] FANTUZZI, GLEN R., US
[72] SHIP, ALEXANDER, US
[72] SWIERCZEK, ROBERT, US
[72] FISHMAN, ROBERT, US
[71] ABIOMED, INC., US
[85] 2020-08-05
[86] 2019-02-15 (PCT/US2019/018275)
[87] (WO2019/161245)
[30] US (62/631,404) 2018-02-15
[30] US (62/718,681) 2018-08-14

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[51] **Int.Cl. A01N 35/02 (2006.01) A01N 43/42 (2006.01) A01N 45/00 (2006.01)**
[25] EN
[54] **MIXTURES OF SABADILLA ALKALOIDS AND MACROLIDES AND USES THEREOF**
[54] **MELANGES D'ALCALOIDES DE SABADILLA ET DE MACROLIDES ET LEURS UTILISATIONS**
[72] SURANYI, ROBERT A., US
[71] MCLAUGHLIN GORMLEY KING COMPANY, US
[85] 2020-08-05
[86] 2019-02-19 (PCT/US2019/018461)
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[30] US (62/632,533) 2018-02-20

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[51] **Int.Cl. C09K 5/14 (2006.01) C08G 59/62 (2006.01) C08G 65/331 (2006.01)**
[25] EN
[54] **SOLID-SOLID PHASE-CHANGE MATERIALS**
[54] **MATERIAUX A CHANGEMENT DE PHASE SOLIDE-SOLIDE**
[72] CUI, ZHENHUA, US
[72] KAPLAN, WARREN, A., US
[72] WOLEK, SARAH, US
[71] STEPAN COMPANY, US
[85] 2020-08-05
[86] 2019-02-20 (PCT/US2019/018688)
[87] (WO2019/164883)
[30] US (62/634,396) 2018-02-23

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **MEDICATION DELIVERY DEVICE WITH A SENSED ELEMENT**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT A ELEMENT DETECTE**
[72] BYERLY, ROY HOWARD, US
[72] BLUM, TIMOTHY MARK, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-08-05
[86] 2019-02-20 (PCT/US2019/018757)
[87] (WO2019/164936)
[30] US (62/633,655) 2018-02-22
[30] US (62/779,652) 2018-12-14

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[51] **Int.Cl. C10L 5/44 (2006.01) B09B 3/00 (2006.01) C10B 49/02 (2006.01)**
[25] EN
[54] **INDUSTRIAL COMPLEX FOR THE PRODUCTION OF CHARCOAL**
[54] **COMPLEXE INDUSTRIEL POUR LA PRODUCTION DE CHARBON DE BOIS**
[72] PEKAREC, ALEKSANDR ANDREEVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOI OTVETSTVENNOST'YU "PROMETEJ", RU
[85] 2020-08-03
[86] 2019-01-14 (PCT/RU2019/000012)
[87] (WO2019/156593)
[30] RU (2018104615) 2018-02-06

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[13] A1
[51] **Int.Cl. A61K 31/517 (2006.01) C07D 239/84 (2006.01)**
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[54] **CERTAIN CHEMICAL ENTITIES, COMPOSITIONS, AND METHODS**
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[71] NEUPHARMA, INC., US
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[54] **PROCEDES ET APPAREIL DE FABRICATION DE COMPOSANTS DE RACCORD DE MOMENT**
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[72] MAREK, KEVIN, US
[72] BELLMAN, ERIC, US
[72] SIMMONS, MAXWELL C., US
[72] SIMMONS, ROBERT J., US
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[54] **ANALYSE DE GRAINES**
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[72] KOTYK, JOHNNY J., US
[71] MONSANTO TECHNOLOGY LLC, US
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[54] **TISSUS IGNIFUGES POUR PROTECTION CONTRE LES ECLABOUSSURES DE METAL LIQUIDE**
[72] STANHOPE, MICHAEL T., US
[72] ADAMS, DOMINIQUE JANAY, US
[72] DUNN, CHARLES S., US
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[54] **DISPOSITIF ET PROCEDE D'APPLICATION ELECTROSTATIQUE A FAIBLE HUMIDIFICATION**
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[54] **CELLULES PANCREATIQUES POUR TRAITER LE DIABETE ET LEURS PROCEDES DE GENERATION**
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[72] AGARWAL, SHAILESH, US
[71] ACCELERON PHARMA, INC., US
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[54] **CHAMBRE D'ACCES IMPLANTABLE ET PROCEDES D'UTILISATION ASSOCIES**
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[72] MACKAY, ALLEN, US
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[72] CHOI, BRYAN, US
[71] THE GENERAL HOSPITAL CORPORATION, US
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[54] **COMPOSITION BENEFIQUE POUR LA SANTE COMPRENANT LACTOBACILLUS ET SON PROCEDE DE PREPARATION**
[72] BEASLEY, SHEA, FI
[72] JARVENPAA, EILA, FI
[72] MAKINEN, JARKKO, FI
[72] TUPASELA, TUOMO, FI
[72] HIIDENHOVI, JAAKKO, FI
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[72] AZZARELLO, JULIEN, FR
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[54] **PROCEDES, SYSTEMES ET ARRANGEMENTS D'ANALYSE BIOMOLECULAIRE**
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[72] JAYARAMAN, VASANTH, US
[72] KRISHNAMURTHY, HARI KRISHNAN, US
[72] RAJASEKARAN, JOHN J., US
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[54] **SYSTEMES ET PROCEDES DE TUBAGE VERROUILLABLE PENDANT LE FORAGE**
[72] JEREZ, HERNANDO Q., US
[72] HAY, RICHARD T., US
[72] EVANS, JOHN G., US
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[54] **ANTICORPS ANTI-HTR A1 ET METHODES D'UTILISATION DE CEUX-CI**
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[72] KELLEY, ROBERT F., US
[72] KIRCHHOFER, DANIEL K., US
[72] LAI, JOYCE, US
[72] LEE, CHINGWEI V., US
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[54] **MACHINE DE CONVERSION DE FARDAGE ET METHODE**
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[72] TONEFF, STEVEN M., US
[72] CALS, HUBERTUS J.M., US
[72] DEMMERS, RAIMOND P.M., US
[72] DOMINAK, STEPHEN LOUIS, US
[72] SNIJDERS, ALEXANDRA, US
[72] SCHLEGEL, CARRIE, US
[72] BAYT, THOMAS, US
[72] PARK, KEVIN W., US
[72] WAGNER, DENNIS, US
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[54] **AMELIORATION DE SOUCHES MICROBIENNES PAR UNE PLATEFORME D'INGENIERIE GEN**
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[72] KIMBALL, AARON, US
[72] MANCHESTER, SHAWN, US
[72] SERBER, ZACH, US
[72] SHELLMAN, ERIN, US
[72] TREYNOR, THOMAS, US
[72] DEAN, ERIK JEDEHIAH, US
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[72] CAPOZZI, MATT, US
[72] RAMIREZ, NICOLAS, US
[72] QUALLS, MICHAEL, US
[72] LAYTON, SCOTT, US
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[71] AIRCLEAN SYSTEMS, US
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[71] CRUCS HOLDINGS, LLC, US
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[72] HAYASHI, DAVID, US
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[72] DUMONT, ASHLEY L., US
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[54] **AGENTS SE LIANT A UPAR ET PROCEDES D'UTILISATION ASSOCIES**
[72] CRAIK, CHARLES S., US
[72] DURISETI, KRISHNA SAI, US
[72] GOETZ, DAVID H., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[22] 2011-02-11
[41] 2011-08-18
[62] 2,789,436
[30] US (61/304,334) 2010-02-12

[21] **3,088,949**
[13] A1
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 21/62 (2013.01)**
[25] EN
[54] **BLOCKCHAIN-BASED TRANSACTION PROCESSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE TRANSACTION A BASE DE CHAINE DE BLOCS**
[72] WU, HAO, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
[22] 2018-03-23
[41] 2018-10-04
[62] 3,053,938
[30] CN (201710198859.1) 2017-03-29

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[21] **3,088,958**
[13] A1
[25] EN
[54] **METHODS AND COMPOSITIONS FOR SELECTING SOYBEAN PLANTS RESISTANT TO PHYTOPHTHORA ROOT ROT**
[54]
[72] BEHM, JAMES, US
[72] WU, KUNSHENG, US
[72] TAMULONIS, JOHN, US
[72] CONCIBIDO, VERGEL, US
[72] YATES, JENNIFER, US
[71] MONSANTO TECHNOLOGY LLC, US
[22] 2008-04-16
[41] 2008-10-30
[62] 2,684,271
[30] US (60/925,475) 2007-04-20

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[21] **3,089,031**
[13] A1
[25] EN
[54] **A METHOD OF REGISTERING INERTIAL MEASUREMENT UNITS IN AN OPERATING ROOM**
[54] **UNE METHODE D'ENREGISTREMENT D'UNITES DE MESURE D'INERTIE DANS UNE SALLED'OPERATION**
[72] MAHFOUZ, MOHAMED R., US
[71] MAHFOUZ, MOHAMED R., US
[22] 2014-12-09
[41] 2015-06-18
[62] 2,933,235
[30] US (61/913,608) 2013-12-09
[30] US (61/951,221) 2014-03-11
[30] US (61/977,984) 2014-04-10
[30] US (62/022,899) 2014-07-10

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[21] **3,089,088**
[13] A1
[25] EN
[54] **CONTAINERS AND METHODS FOR ISOLATING LIQUIDS PRIOR TO DISPENSING**
[54] **RECIPIENTS ET PROCEDES PERMETTANT D'ISOLER DES LIQUIDES AVANT LA DISTRIBUTION**
[72] DE CLEIR, PIARA VALDIS, US
[71] KRAFT FOODS GROUP BRANDS LLC, US
[22] 2013-12-06
[41] 2014-07-03
[62] 2,887,863
[30] US (61/746,791) 2012-12-28

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[21] **3,089,115**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) G06Q 10/06 (2012.01) G06F 3/0484 (2013.01) G06F 16/903 (2019.01) B61K 9/08 (2006.01)**
[25] EN
[54] **LINEAR ASSETS INSPECTION SYSTEM**
[54] **SYSTEME LINEAIRE DE CONTROLE D'ACTIFS**
[72] TAYS, DWIGHT, CA
[72] LILLEY, DAVID, CA
[72] ABBOTT, BRIAN, CA
[71] CANADIAN NATIONAL RAILWAY COMPANY, CA
[22] 2008-08-22
[41] 2009-11-21
[62] 3,077,184
[30] US (61/071,849) 2008-05-21

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[21] **3,089,130**
[13] A1
[51] **Int.Cl. G06Q 20/08 (2012.01)**
[25] EN
[54] **PAYMENT SYSTEM BASED ON SHARED FUNDS-MANAGEMENT SERVER, AND METHOD, DEVICE AND SERVER THEREFOR**
[54] **SYSTEME DE PAIEMENT BASE SUR UN SERVEUR DE GESTION DE FONDS PARTAGE, ET PROCEDE, DISPOSITIF ET SERVEUR ASSOCIES**
[72] ZHANG, YI, CN
[71] 10353744 CANADA LTD., CA
[22] 2015-05-28
[41] 2016-11-03
[62] 2,987,442
[30] CN (201510219363.9) 2015-04-30

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[21] **3,089,222**
[13] A1
[51] **Int.Cl. B01D 53/48 (2006.01) B01D 53/22 (2006.01)**
[25] EN
[54] **SWEEP MEMBRANE SEPARATOR AND FUEL PROCESSING SYSTEMS**
[54] **SEPARATEUR A MEMBRANE AVEC BALAYAGE ET SYSTEMES DE TRAITEMENT DE COMBUSTIBLE**
[72] THORNTON, DOUGLAS A., US
[72] CONTINI, VINCENT J., US
[72] GEORGE, PAUL E., US
[71] BATELLE MEMORIAL INSTITUTE, US
[22] 2012-08-31
[41] 2013-03-07
[62] 2,846,392
[30] US (61/530,723) 2011-09-02

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[21] **3,089,250**
[13] A1
[51] **Int.Cl. F16L 3/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE BRACKET AND HUB FOR FLEXIBLE HOSE SUPPORT**
[54] **SUPPORT ET MOYEU REGLABLES POUR SUPPORT DE TUYAU FLEXIBLE**
[72] MITCHELL, STEPHEN, US
[72] DOOLEY, MIKE, US
[72] RINGER, YORAM, US
[72] DAFONSECA, ODAIR, US
[71] ANVIL INTERNATIONAL, LLC, US
[22] 2015-06-26
[41] 2015-12-27
[62] 3,035,182
[30] US (62/017,911) 2014-06-27
[30] US (62/087,295) 2014-12-04

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[21] **3,089,257**
[13] A1
[25] EN
[54] **PATIENT CARE SYSTEM FOR CRITICAL MEDICATIONS**
[54] **SYSTEME DE SOINS DE PATIENTS POUR MEDICATION CRITIQU**
[72] DAY, WILLIAM K., US
[71] ICU MEDICAL, INC., US
[22] 2013-07-31
[41] 2014-02-06
[62] 2,880,156
[30] US (61/677,736) 2012-07-31
[30] US (13/955,121) 2013-07-31

[21] **3,089,348**
[13] A1
[51] **Int.Cl. F24F 11/74 (2018.01) F24F 7/007 (2006.01)**
[25] EN
[54] **CONTROL SYSTEM FOR EXHAUST GAS FAN SYSTEM**
[54] **SYSTEME DE COMMANDE D'UN SYSTEME DE VENTILATEURS POUR GAZ D'ECHAPPEMENT**
[72] GANS, CHARLES ALEXANDER, US
[72] TELEY, PAUL A., US
[72] MERRITT, BRIAN JAY, US
[71] STROBIC AIR CORPORATION, US
[22] 2008-12-19
[41] 2009-07-23
[62] 2,712,478
[30] US (61/022,120) 2008-01-18

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[51] **Int.Cl. B66C 1/18 (2006.01) H04W 52/02 (2009.01) H04W 4/38 (2018.01) B66F 3/25 (2006.01) G01L 5/00 (2006.01)**
[25] EN
[54] **STRUCTURAL EQUIPMENT LOAD MONITORING SYSTEM AND METHOD**
[54]
[72] D'ELIA, GREGORY, US
[72] ST. GERMAIN, SCOTT, US
[72] CORNEJO, CHRISTIAN, US
[72] ROSS, DAN, US
[71] SLINGMAX TECHNOLOGIES LLC, US
[22] 2019-07-25
[41] 2020-01-30
[62] 3,074,741
[30] US (62/703,003) 2018-07-25
[30] US (62/797,448) 2019-01-28

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[21] **3,089,398**
[13] A1
[51] **Int.Cl. B25B 13/46 (2006.01) B23P 15/00 (2006.01) B25B 21/00 (2006.01)**
[25] EN
[54] **TOOL HOUSING AND METHOD FOR MAKING THE SAME**
[54] **BOITIER D`OUTIL ET METHODE DE FABRICATION DU BOITIER**
[72] SCHILTZ, JOHN D., US
[72] PURCELL, NATHAN H., US
[72] BEER, JOSHUA M., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-02-07
[41] 2020-01-20
[62] 3,033,002
[30] US (16/041,001) 2018-07-20

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[21] **3,089,401**
[13] A1
[25] EN
[54] **SIGNALING RATINGS INFORMATION**
[54] **SIGNALISATION D'INFORMATIONS D'EVALUATION**
[72] DESHPANDE, SACHIN G., US
[71] SHARP KABUSHIKI KAISHA, JP
[22] 2017-04-10
[41] 2017-10-19
[62] 3,020,518
[30] US (62/322,202) 2016-04-13

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[21] **3,089,409**
[13] A1
[51] **Int.Cl. G06F 3/0481 (2013.01) G06Q 10/06 (2012.01) G06F 3/0484 (2013.01) G06F 16/903 (2019.01) B61K 9/08 (2006.01)**
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[54] **SYSTEME LINEAIRE DE CONTROLE D'ACTIFS**
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[72] LILLEY, DAVID, CA
[72] ABBOTT, BRIAN, CA
[71] CANADIAN NATIONAL RAILWAY COMPANY, CA
[22] 2008-08-22
[41] 2009-11-21
[62] 3,077,184
[30] US (61/071,849) 2008-05-21

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[13] A1
[51] **Int.Cl. B01J 38/02 (2006.01) C10G 31/06 (2006.01) C10G 31/09 (2006.01)**
[25] EN
[54] **HEAVY OIL UPGRADE PROCESS INCLUDING RECOVERY OF SPENT CATALYST**
[54] **PROCEDE DE VALORISATION DU PETROLE LOURD COMPRENANT LA RECUPERATION DE CATALYSEUR USE**
[72] ODUEYUNGBO, SEYI A., US
[72] SHAH, LALIT S., US
[72] POWERS, CHRISTOPHER A., US
[72] STOY, JAMES R., US
[72] BRENT, FRED D., US
[72] REYNOLDS, BRUCE E., US
[72] DA COSTA, ANDRE R., US
[72] BRYAN, PAUL F., US
[71] CHEVRON U.S.A. INC., US
[22] 2008-12-19
[41] 2009-07-09
[62] 2,943,442
[30] US (12/004014) 2007-12-20
[30] US (12/004015) 2007-12-20

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[13] A1
[51] **Int.Cl. A24B 15/32 (2006.01) A24B 15/167 (2020.01) A24F 40/40 (2020.01) A24B 15/34 (2006.01) A24F 15/00 (2020.01)**
[25] EN
[54] **SMOKING ARTICLE INCORPORATING A COOLING AGENT**
[54]
[72] BALLESTEROS GOMEZ, PABLO JAVIER, GB
[72] PHILLIPS, JEREMY, GB
[72] FORSTER, MARK, GB
[72] CHADJIM, HANS-JOSEF, GB
[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB
[22] 2017-11-29
[41] 2018-06-07
[62] 3,044,633
[30] GB (1620352.3) 2016-11-30

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[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/56 (2006.01) A61K 31/569 (2006.01) A61K 47/38 (2006.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **CORTICOSTEROID CONTAINING ORALLY DISINTEGRATING TABLET COMPOSITIONS FOR EOSINOPHILIC ESOPHAGITIS**
[54] **COMPOSITIONS POUR COMPRIMES A DELITEMENT ORAL CONTENANT DES CORTICOSTEROIDES UTILISEES POUR TRAITER L'.SOPHAGITE A EOSINOPHILES**
[72] GOSSELIN, MICHAEL A., US
[72] LAI, JIN-WANG, US
[72] VENKATESH, GOPI M., US
[71] ADARE PHARMACEUTICALS, INC., US
[22] 2014-09-05
[41] 2015-03-12
[62] 2,923,055
[30] US (61/874,450) 2013-09-06

[21] **3,089,505**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **PROSTHETIC VALVES, FRAMES AND LEAFLETS AND METHODS THEREOF**
[54] **VALVES, CADRES ET FEUILLETS PROTHETIQUES ET PROCEDES POUR CEUX-CI**
[72] BRUCHMAN, WILLIAM C., US
[72] CRAWFORD, DANIEL A., US
[72] HAGAMAN, LOGAN R., US
[72] HARTMAN, CODY L., US
[71] W.L. GORE & ASSOCIATES, INC., US
[22] 2013-12-19
[41] 2014-06-26
[62] 2,989,221
[30] US (61/739,721) 2012-12-19
[30] US (61/802,116) 2013-03-15
[30] US (14/133,563) 2013-12-18

[21] **3,089,511**
[13] A1
[25] EN
[54] **COMMISSIONING AND CONTROLLING LOAD CONTROL DEVICES**
[54] **MISE EN SERVICE ET COMMANDE DE DISPOSITIFS DE COMMANDE DE CHARGE**
[72] BAKER, RHODES B., US
[72] BARCO, KYLE THOMAS, US
[72] BARNES, BRYAN ROBERT, US
[72] BULL, JOHN H., US
[72] CAMDEN, RICHARD S., US
[72] CRAFTS, JORDAN H., US
[72] DOLAN, DAVID J., US
[72] GROLLER, JASON, US
[72] KUMAR, SANJEEV, US
[72] LENZ, JONATHAN T., US
[72] PELAEZ, MIGUEL AGUADO, US
[72] TWADDELL, DANIEL L., US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
[22] 2016-08-05
[41] 2017-02-09
[62] 2,994,708
[30] US (62/201,537) 2015-08-05

[21] **3,089,517**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) C12N 15/13 (2006.01) C12P 21/08 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **ANTI-FCRN ANTIBODIES**
[54]
[72] FINNEY, HELENE MARGARET, GB
[72] LAWSON, ALASTAIR DAVID GRIFFITHS, GB
[72] SHAW, STEVAN GRAHAM, GB
[72] SMITH, BRYAN JOHN, GB
[72] TYSON, KERRY LOUISE, GB
[72] KEVORKIAN, LARA, GB
[72] MEIER, CHRISTOPH, GB
[72] SARKAR, KAUSHIK, GB
[72] ATHERFOLD, PAUL ALAN, GB
[71] UCB BIOPHARMA SRL, BE
[22] 2013-05-13
[41] 2014-02-06
[62] 2,872,326
[30] GB (1208370.5) 2012-05-14

[21] **3,089,564**
[13] A1
[51] **Int.Cl. F16L 59/14 (2006.01) F16L 58/02 (2006.01)**
[25] EN
[54] **A PIPE INSULATION SYSTEM**
[54]
[72] BRIGHAM, GRAHAM, CA
[71] BRIGHAM, GRAHAM, CA
[22] 2019-12-10
[41] 2020-03-19
[62] 3,064,458

[21] **3,089,569**
[13] A1
[51] **Int.Cl. C07K 7/08 (2006.01) A61K 38/17 (2006.01) C07K 7/06 (2006.01) C07K 14/195 (2006.01) C07K 14/575 (2006.01) C12N 9/88 (2006.01)**
[25] EN
[54] **AGONISTS OF GUANYLATE CYCLASE USEFUL FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS, INFLAMMATION, CANCER AND OTHER DISORDERS**
[54] **AGONISTES DE GUANYLASE CYCLASE UTILES POUR LE TRAITEMENT DE TROUBLES GASTRO-INTESTINAUX, D'INFLAMMATION, DE CANCER ET D'AUTRES TROUBLES**
[72] SHAILUBHAI, KUNWAR, US
[72] JACOB, GARY S., US
[71] SYNERGY PHARMACEUTICALS INC., US
[22] 2008-06-04
[41] 2008-12-11
[62] 2,688,161
[30] US (60/933,194) 2007-06-04

[21] **3,089,749**
[13] A1
[25] EN
[54] **MULTI-FOCAL DISPLAY SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'AFFICHAGE MULTI-FOCAL**
[72] WELCH, WILLIAM HUDSON, US
[71] MAGIC LEAP, INC., US
[22] 2015-01-30
[41] 2015-08-06
[62] 2,938,264
[30] US (61/934,565) 2014-01-31

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