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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After June 3, 2020

1. **Transmittal Fee** (Rule 14)	**$300**
2. **International Filing Fee**	**$1961***
For each additional sheet over 30	**$22**
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 3 juin 2020

1. **Taxe de transmission** (Règle 14)	**300 $**
2. **Taxe de dépôt internationale**	**1961 $***
Pour chaque feuille au delà de 30	**22 $**
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*)) **$295**

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

* International fees will be reduced by:

- **$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$442** 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*)) **295 $**

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

* Les frais seront réduits de:

- **295 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 $** 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

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Date de modification : 17 juin 2019

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

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

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

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

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

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

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

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

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

Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

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

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

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

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

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

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. 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 November 17, 2020 contains applications open to public inspection from November 1, 2020 to November 7, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 17 novembre 2020 contient les demandes disponibles au public pour consultation pour la période du 1 novembre 2020 au 7 novembre 2020.

16. Erratum

All information respecting patent application number 3,081,045 referred to under the section *PCT Applications Entering the National Phase* contained in the June 30, 2020 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Toutes les informations relatives à la demande de brevet 3,081,045 dans la liste *des Demandes PCT entrant en phase nationale* contenues dans le numéro 30 juin 2020 de la *Gazette du Bureau des brevets* ont été publiées par erreur et doivent être ignorées.

Canadian Patents Issued

November 17, 2020

Brevets canadiens délivrés

17 novembre 2020

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[72] LANGNER, LUKE EDWARD, US
[72] WEAVER, MARK VINCENT, US
[72] WARREN, JERREL D., II, US
[72] ANDERSON, GREGORY D., US
[72] DURNAVICH, SAMUEL MICHAEL, US
[73] POLYDECK SCREEN CORPORATION, US
[86] (2844177)
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[30] US (14/103,964) 2013-12-12

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[25] EN
[54] **METHODS AND APPARATUS FOR DETERMINING CONDITIONS OF POWER LINES**
[54] **PROCEDES ET APPAREILS POUR DETERMINER L'ETAT DE LIGNES DE TRANSPORT D'ELECTRICITE**
[72] SMITH, ROGER A., US
[72] ROSS, REBECCA W., US
[73] ACLARA TECHNOLOGIES LLC, US
[85] 2014-02-21
[86] 2012-08-30 (PCT/US2012/053106)
[87] (WO2013/033374)
[30] US (61/529,509) 2011-08-31
[30] US (61/529,554) 2011-08-31
[30] US (61/598,664) 2012-02-14
[30] US (61/640,777) 2012-05-01
[30] US (13/546,577) 2012-07-11
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[25] EN
[54] **METHODS AND APPARATUS FOR DETERMINING CONDITIONS OF POWER LINES**
[54] **PROCEDES ET APPAREILS POUR DETERMINER L'ETAT DE LIGNES DE TRANSPORT D'ELECTRICITE**
[72] AFZAL, MUHAMMAD A., US
[72] POTHAMSETTY, VENKAT, US
[72] SMITH, ROGER A., US
[72] ROSS, REBECCA W., US
[73] ACLARA TECHNOLOGIES LLC, US
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[51] **Int.Cl. C12N 15/867 (2006.01) C07K 14/15 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **LENTIVIRAL VECTORS PSEUDOTYPED WITH MUTANT BAEV GLYCOPROTEINS**
[54] **VECTEURS LENTIVIRAUX PSEUDOTYPES PAR DES GLYCOPROTEINES BAEV MUTANTES**
[72] GIRARD-GAGNEPAIN, ANAIS, FR
[72] VERHOEYEN, ELS, BE
[72] LAVILLETTE, DIMITRI, FR
[72] COSSET, FRANCOIS-LOIC, FR
[73] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[73] ECOLE NORMALE SUPERIEURE DE LYON, FR
[85] 2014-03-18
[86] 2012-09-28 (PCT/EP2012/069230)
[87] (WO2013/045639)
[30] EP (11306247.5) 2011-09-29

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[51] **Int.Cl. H04N 21/435 (2011.01)**
[25] EN
[54] **RECEPTION APPARATUS, RECEPTION METHOD, TRANSMISSION APPARATUS, AND TRANSMISSION METHOD**
[54] **DISPOSITIF DE RECEPTION, PROCEDE DE RECEPTION, DISPOSITIF DE TRANSMISSION, PROCEDE DE TRANSMISSION**
[72] KITAZATO, NAOHISA, JP
[72] YAMAGISHI, YASUAKI, JP
[72] DEWA, YOSHIHARU, JP
[72] KITAHARA, JUN, JP
[72] EYER, MARK, US
[73] SONY CORPORATION, JP
[85] 2014-04-03
[86] 2013-07-30 (PCT/JP2013/070591)
[87] (WO2014/027563)
[30] US (61/682,566) 2012-08-13
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[54] **18F - FLUCICLOVINE COMPOSITIONS IN CITRATE BUFFERS**
[54] **COMPOSITIONS DE 18F-FLUCICLOVINE DANS DES TAMPONS CITRATE**
[72] ROMOREN, KRISTINE, NO
[72] RYAN, OLAV, NO
[73] GE HEALTHCARE LIMITED, GB
[85] 2014-04-24
[86] 2012-12-21 (PCT/EP2012/076689)
[87] (WO2013/093025)
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[54] **REDUCTION OF GALECTIN-3 LEVELS BY PLASMAPHERESIS**
[54] **REDUCTION DES TAUX DE GALECTINE-3 PAR PLASMAPHERESE**
[72] ELIAZ, ISAAC, US
[73] ELIAZ THERAPEUTICS, INC., US
[85] 2014-06-06
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[54] **ANODE FOR OXYGEN GENERATION AND MANUFACTURING METHOD FOR THE SAME**
[54] **ANODE POUR LA PRODUCTION D'OXYGENE ET SON PROCEDE DE FABRICATION**
[72] CAO, YI, JP
[72] KATO, AKIHIRO, JP
[72] HIRAO, KAZUHIRO, JP
[72] FURUSAWA, TAKASHI, JP
[73] INDUSTRIE DE NORA S.P.A., IT
[85] 2014-06-19
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[25] EN
[54] **SYSTEMS AND METHODS FOR DEVELOPING MULTI-PLATFORM APPLICATIONS FOR COMPUTING DEVICES**
[54] **SYSTEMES ET PROCEDES DE DEVELOPPEMENT D'APPLICATIONS MULTIPLATEFORMES POUR DISPOSITIFS INFORMATIQUES**
[72] MOORE, STEPHEN TREY, US
[72] POWELL, WILLIAM CAMERON, US
[73] AIRSTRIP IP HOLDINGS, LLC, US
[85] 2014-06-23
[86] 2012-12-17 (PCT/US2012/070040)
[87] (WO2013/096174)
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[25] EN
[54] **FUNGICIDE COMPOSITION COMPRISING FLUOPYRAM, BIXAFEN AND PROTHIOCONAZOLE**
[54] **COMPOSITION FONGICIDE RENFERMANT DU FLUOPYRAM, DU BIXAFEN ET DU PROTHIOCONAZOLE**
[72] KRIEG, ULRICH, DE
[72] VIOLLET, DAMIEN, KE
[72] GORTZ, ANDREAS, DE
[73] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2014-07-04
[86] 2013-01-08 (PCT/EP2013/050195)
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[25] EN
[54] **CONVEYING AND COOLING APPARATUS FOR PREFORMS**
[54] **APPAREIL DE TRANSPORT ET DE REFROIDISSEMENT POUR DES PREFORMES**
[72] ZOPPAS, MATTEO, IT
[72] CORAN, MASSIMO, IT
[73] S.I.P.A. SOCIETA' INDUSTRIALIZZAZIONE PROGETTAZIONE E AUTOMAZIONE S.P.A., IT
[85] 2014-07-24
[86] 2013-01-30 (PCT/IB2013/050783)
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[25] EN
[54] **METHOD OF PREVENTING ALLERGIES**
[54] **PROCEDE DE PREVENTION D'ALLERGIES**
[72] BENHAMOU, PIERRE-HENRI, FR
[72] DUPONT, CHRISTOPHE, FR
[72] MONDOULET, LUCIE, FR
[73] DBV TECHNOLOGIES, FR
[85] 2014-07-24
[86] 2013-02-04 (PCT/EP2013/052163)
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[25] EN
[54] **MATERIALS AND METHODS FOR TREATING DIARRHEA**
[54] **SUBSTANCES ET METHODES UTILISABLES EN VUE DU TRAITEMENT DE LA DIARRHEE**
[72] VIDYASAGAR, SADASIVAN, US
[72] OKUNIEFF, PAUL, US
[72] ZHANG, LURONG, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2014-07-30
[86] 2013-02-08 (PCT/US2013/025294)
[87] (WO2013/119917)
[30] US (61/596,480) 2012-02-08

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[25] EN
[54] **MULTIPHASE EMULSION POLYMERS FOR AQUEOUS COATING COMPOSITIONS CONTAINING LITTLE OR NO ORGANIC SOLVENT**
[54] **POLYMERES EN EMULSION A PLUSIEURS PHASES DESTINES A DES COMPOSITIONS DE REVETEMENTS AQUEUX CONTENANT PEU OU PAS DE SOLVANT ORGANIQUE**
[72] WU, WENJUN, US
[73] ARKEMA INC., US
[85] 2014-08-06
[86] 2013-02-05 (PCT/US2013/024701)
[87] (WO2013/119524)
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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 3/048 (2013.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRESENTING INPUT SUGGESTIONS IN INPUT FIELDS OF A SPECIFIC TYPE IN WEB PAGES**
[54] **SYSTEME ET PROCEDE DE PRESENTATION DE SUGGESTIONS D'ENTREES DANS DES CHAMPS D'ENTREE D'UN TYPE SPECIFIQUE DANS DES PAGES WEB**
[72] LAL, RANJAN, US
[72] BOODMAN, BRIAN D., US
[72] PATACCHIOLA, ERIC, US
[73] CAPITAL INTELLECT, INC., US
[85] 2014-08-21
[86] 2013-02-06 (PCT/US2013/024942)
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[30] US (61/603,775) 2012-02-27
[30] US (61/676,654) 2012-07-27

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[13] C
[51] **Int.Cl. C07B 59/00 (2006.01) C07F 7/22 (2006.01)**
[25] EN
[54] **BIOTIN STANNANE FOR HPLC-FREE RADIOIODINATION**
[54] **STANNANE DE BIOTINE POUR RADIO-IODATION SANS HPLC**
[72] CARTER, RANDALL LEE, US
[72] JOHNSON, BRUCE FLETCHER, US
[72] SOOD, ANUP, US
[72] RISHEL, MICHAEL JAMES, US
[72] VALLIANT, JOHN FITZMAURICE, CA
[72] STEPHENSON, KARIN ANN, CA
[72] WU, TAO, CA
[72] YANG, YANG, CA
[73] GENERAL ELECTRIC COMPANY, US
[73] CENTRE FOR PROBE DEVELOPMENT AND COMMERCIALIZATION, CA
[85] 2014-09-03
[86] 2013-03-28 (PCT/EP2013/056699)
[87] (WO2013/144292)
[30] US (13/435,142) 2012-03-30

[11] **2,868,080**
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[51] **Int.Cl. C08K 5/00 (2006.01) A01N 43/78 (2006.01) A61K 31/381 (2006.01) C08K 5/47 (2006.01) C08L 27/06 (2006.01)**
[25] EN
[54] **FUNGICIDE FORMULATIONS FOR PLASTICIZED PVC**
[54] **FORMULATIONS FONGICIDES POUR DES PVC SOUPLES**
[72] UHR, HERMANN, DE
[72] BOTTCHER, ANDREAS, DE
[72] JAETSCH, THOMAS, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[85] 2014-09-22
[86] 2013-03-26 (PCT/EP2013/056407)
[87] (WO2013/144147)
[30] EP (12161923.3) 2012-03-28
[30] EP (12165125.1) 2012-04-23

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[13] C
[51] **Int.Cl. H04L 1/24 (2006.01) H04L 12/70 (2013.01) H04L 1/00 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **ETHERNET POINT TO POINT LINK INCORPORATING FORWARD ERROR CORRECTION**
[54] **LIAISON POINT A POINT ETHERNET COMPRENANT UNE CORRECTION D'ERREURS SANS VOIE DE RETOUR**
[72] O'CONNELL, ANNE GERALDINE, IE
[72] CREMIN, CON, IE
[73] MICROSEMI FREQUENCY AND TIME CORPORATION, US
[86] (2869236)
[87] (2869236)
[22] 2014-10-30
[30] GB (1319995.5) 2013-11-13

[11] **2,872,097**
[13] C
[51] **Int.Cl. B64D 37/02 (2006.01) B64C 3/34 (2006.01) B64D 37/32 (2006.01)**
[25] EN
[54] **AIRCRAFT FUEL TANK INERTING SYSTEM**
[54] **SYSTEME D'INERTAGE DE RESERVOIR A CARBURANT POUR AVION**
[72] ASHTON, DOMINIC, US
[72] WOOD, JOHN, GB
[72] FOSTER, JOHN, GB
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2014-10-30
[86] 2013-04-29 (PCT/EP2013/058908)
[87] (WO2013/164311)
[30] GB (1207718.6) 2012-05-02

[11] **2,873,240**
[13] C
[51] **Int.Cl. G06F 3/0487 (2013.01) G10L 15/19 (2013.01) G06F 3/16 (2006.01) G10L 15/24 (2013.01)**
[25] EN
[54] **SYSTEM, DEVICE AND METHOD FOR PROCESSING INTERLACED MULTIMODAL USER INPUT**
[54] **SYSTEME, DISPOSITIF ET PROCEDE DE TRAITEMENT D'UNE ENTREE D'UTILISATEUR A PLUSIEURS MODES ENTRELACES**
[72] ANANDARAJAH, JOE, CA
[73] XTREME INTERACTIONS INC., CA
[85] 2014-11-12
[86] 2013-05-15 (PCT/CA2013/050375)
[87] (WO2013/170383)
[30] US (61/647,890) 2012-05-16
[30] US (61/766,416) 2013-02-19

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[51] **Int.Cl. B03D 1/01 (2006.01) B03D 1/016 (2006.01) B03D 1/018 (2006.01)**
[25] EN
[54] **A METHOD FOR IMPROVING SELECTIVITY AND RECOVERY IN THE FLOTATION OF NICKEL SULPHIDE ORES THAT CONTAIN PYRRHOTITE BY EXPLOITING THE SYNERGY OF MULITIPLE DEPRESSANTS**
[54] **PROCEDE AMELIORANT LA SELECTIVITE ET LA RECUPERATION EN FLOTTATION DE MINERAIS DE SULFURE DE NICKEL CONTENANT DE LA PYRRHOTITE, PAR EXPLOITATION DE LA SYNERGIE DE MULTIPLES DEPRIMANTS**
[72] DONG, JIE, CA
[72] XU, MANQIU, CA
[73] VALE S.A., BR
[85] 2014-11-14
[86] 2013-04-12 (PCT/BR2013/000121)
[87] (WO2013/152412)
[30] US (61/623,459) 2012-04-12

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[13] C
[51] **Int.Cl. E04C 2/04 (2006.01) F16B 5/00 (2006.01) F16B 12/10 (2006.01)**
[25] EN
[54] **KIT FOR PRECAST PANELS AND METHOD OF ASSEMBLING PANELS**
[54] **TROUSSE POUR PANNEAUX PREFABRIQUES ET METHODE D'ASSEMBLAGE**
[72] KENTZ, THOMAS, CA
[72] GROVET, DEL, CA
[72] BELT, FRED, CA
[73] KENTZ, THOMAS, CA
[73] GROVET, DEL, CA
[73] BELT, FRED, CA
[86] (2874350)
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[13] C
[51] **Int.Cl. C02F 1/32 (2006.01)**
[25] EN
[54] **ULTRA VIOLET LIGHT AND OZONE WATER SANITIZER SYSTEM**
[54] **SYSTEME D'ASSAINISSEUR D'EAU OZONEE A RAYONNEMENT ULTRAVIOLET**
[72] BARNES, RONALD L., US
[73] BARNES, RONALD L., US
[85] 2014-11-26
[86] 2013-05-30 (PCT/US2013/043485)
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[30] US (61/689,167) 2012-05-30

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[51] **Int.Cl. G07F 17/12 (2006.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR PROVIDING USER SERVICES AT REMOTE LOCATIONS**
[54] **SYSTEME ET PROCEDES POUR FOURNIR DES SERVICES D'UTILISATEUR A DES EMPLACEMENTS A DISTANCE**
[72] GIBSON, DONALD RAY, JR., US
[72] BONSER, DOUGLAS WILLIAM, US
[72] GARRETT, PAUL EVERRETT, III., US
[72] LEWIS, DAVID GERALD, JR., US
[73] FEDERAL EXPRESS CORPORATION, US
[85] 2014-12-18
[86] 2013-06-11 (PCT/US2013/045075)
[87] (WO2013/191956)
[30] US (13/526,963) 2012-06-19

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[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6834 (2018.01)**
[25] EN
[54] **NUCLEASE PROTECTION METHODS FOR DETECTION OF NUCLEOTIDE VARIANTS**
[54] **PROCEDES DE PROTECTION D'UNE NUCLEASE POUR LA DETECTION DE VARIANTS NUCLEOTIDIQUES**
[72] ROUNSEVILLE, MATT, US
[72] SELIGMANN, BRUCE, US
[73] HTG MOLECULAR DIAGNOSTICS, INC., US
[85] 2014-12-22
[86] 2013-06-28 (PCT/US2013/048610)
[87] (WO2014/005038)
[30] US (61/666,456) 2012-06-29
[30] US (61/829,102) 2013-05-30

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[25] EN
[54] **PORTABLE SOLAR AND WIND-POWERED ENERGY GENERATING SYSTEM**
[54] **SYSTEME DE GENERATION D'ENERGIE A ENERGIE EOLIENNE ET SOLAIRE PORTABLE**
[72] MILLER, LYNN A., US
[73] MILLER, LYNN A., US
[85] 2014-12-23
[86] 2011-07-01 (PCT/US2011/042875)
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[51] **Int.Cl. B01J 23/62 (2006.01)**
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[54] **CATALYST FOR OBTAINING HIGHER ALCOHOLS**
[54] **CATALYSEUR POUR L'OBTENTION D'ALCOOLS SUPERIEURS**
[72] ARJONA ANTOLIN, RICARDO, ES
[72] SANZ YAGUE, JUAN LUIS, ES
[72] CORMA CANOS, AVELINO, ES
[72] DOMINE, MARCELO EDUARDO, ES
[73] ABENGOA BIOENERGIA NUEVAS TECNOLOGIAS, S. A., ES
[85] 2014-12-29
[86] 2013-06-28 (PCT/ES2013/070442)
[87] (WO2014/001595)
[30] EP (12382262.9) 2012-06-29

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[25] EN
[54] **A PHOTOSTABLE SUNSCREEN COMPOSITION**
[54] **COMPOSITION D'ECRAN SOLAIRE PHOTOSTABLE**
[72] CHAVAN, MOHAN VIJAYKUMAR, IN
[72] DUGGAL, CHARU, IN
[72] GAURAV, KUMAR, IN
[72] RAUT, JANHAVI SANJAY, GB
[72] VAIDYA, ASHISH ANANT, IN
[73] UNILEVER PLC, GB
[85] 2015-02-03
[86] 2013-07-02 (PCT/EP2013/063888)
[87] (WO2014/023481)
[30] EP (12179361.6) 2012-08-06

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[25] EN
[54] **SYSTEM FOR CONTROLLING OPERATION OF AN HVAC SYSTEM**
[54] **SYSTEME DE COMMANDE DE FONCTIONNEMENT D'UN SYSTEME CVCA**
[72] GOEL, RAKESH, US
[72] BERG, ERIC, US
[72] DOUGLAS, JON, US
[73] LENNOX INDUSTRIES INC., US
[86] (2881086)
[87] (2881086)
[22] 2015-02-05
[30] US (14/173,686) 2014-02-05

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[13] C
[51] **Int.Cl. G06F 16/23 (2019.01) G06F 16/24 (2019.01) G06F 16/27 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM OF STORING AND RETRIEVING DATA**
[54] **METHODE ET SYSTEME DE STOCKAGE ET DE RECUPERATION DE DONNEES**
[72] REDOUTEY, JEAN-CHARLES, GB
[72] SINGER, JOEL, FR
[72] BALARD, FLORENT, FR
[72] PRUD'HOMME, FLORIAN, FR
[72] BOUTELOUP, ROMAIN, FR
[72] PITRAT, COLIN, FR
[73] AMADEUS S.A.S., FR
[85] 2015-02-19
[86] 2013-09-04 (PCT/EP2013/002655)
[87] (WO2014/048540)
[30] EP (12368027.4) 2012-09-27
[30] US (13/628,517) 2012-09-27

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[51] **Int.Cl. G06F 3/0489 (2013.01)**
[25] EN
[54] **EXECUTING SECONDARY ACTIONS WITH RESPECT TO ONSCREEN OBJECTS**
[54] **EXECUTION D'ACTIONS SECONDAIRES SE RAPPORTANT A DES OBJETS A L'ECRAN**
[72] LEVENTHAL, AARON M., US
[72] BIGHAM, JEFFREY P., US
[73] FREEDOM SCIENTIFIC, INC., US
[85] 2015-03-04
[86] 2013-09-04 (PCT/US2013/057999)
[87] (WO2014/039520)
[30] US (61/697,054) 2012-09-05

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[13] C
[51] **Int.Cl. B03D 1/016 (2006.01)**
[25] EN
[54] **USE OF MODIFIED SUGAR CANE BAGASSE AS DEPRESSOR IN IRON ORE FLOTATION**
[54] **UTILISATION DE BAGASSE DE CANNE A SUCRE MODIFIEE EN TANT DEPRIMANT POUR LA FLOTTATION DE MINERAIS DE FER**
[72] SILVA, MARCILIO DO CARMO, BR
[72] DA SILVA, CEZAR GONCALVES, BR
[72] OLIVEIRA, FLAVIA ALICE MONTEIRO DA SILVA, BR
[72] MIQUELANTI, ELISMAR, BR
[73] VALE S.A., BR
[85] 2015-03-04
[86] 2013-09-04 (PCT/BR2013/000344)
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[30] US (61/696,710) 2012-09-04

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[25] EN
[54] **ORGANIC COMPOSITION FOR THE PROTECTION OF CROPS AGAINST BLACK FROST AND THE METHOD FOR ITS APPLICATION**
[54] **COMPOSITION BIOLOGIQUE POUR LA PROTECTION DE RECOLTES CONTRE LA GELEE NOIRE ET METHODE D'APPLICATION ASSOCIEE**
[72] FILO, DIEGO FERNANDO, AR
[73] FILO, DIEGO FERNANDO, AR
[86] (2884545)
[87] (2884545)
[22] 2015-03-04
[30] US (14/199,587) 2014-03-06

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[25] EN
[54] **COMBINED TREATMENT WITH NETRIN-1 INTERFERING DRUG AND CHEMOTHERAPEUTIC DRUG**
[54] **POLYTHERAPIE COMPRENANT UN MEDICAMENT INTERFERANT AVEC LA NETRINE-1 ET UN MEDICAMENT CHIMIOTHERAPEUTIQUE**
[72] MEHLEN, PATRICK, FR
[72] PARADISI, ANDREA, FR
[72] NONY, PASCALE, FR
[73] NETRIS PHARMA, FR
[73] CENTRE LEON BERARD, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[73] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[85] 2015-03-10
[86] 2013-09-12 (PCT/EP2013/068937)
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[30] EP (12306100.4) 2012-09-12
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[25] EN
[54] **TELESCOPE, COMPRISING A SPHERICAL PRIMARY MIRROR, WITH WIDE FIELD OF VIEW AND HIGH OPTICAL RESOLUTION**
[54] **TELESCOPE COMPRENANT UN MIROIR PRINCIPAL SPHERIQUE, A GRAND CHAMP DE VISION ET A HAUTE RESOLUTION OPTIQUE**
[72] CHIARINI, MARCO, IT
[72] CIBIN, LORENZO, IT
[72] RAGAZZONI, ROBERTO, IT
[73] CGS SPA COMPAGNIA GENERALE PER LO SPAZIO, IT
[85] 2015-03-24
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[30] IT (CS2012A000034) 2012-09-28
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[25] EN
[54] **PHOSPHOROUS-CONTAINING ALUMINUM CARBOXYLATE SALT FLAME RETARDANTS**
[54] **IGNIFUGEANTS DE SEL DE CARBOXYLATE D'ALUMINIUM CONTENANT DU PHOSPHORE**
[72] SHANKAR, RAVI B., US
[72] YONKEY, MATTHEW M., US
[72] BUNKER, SHANA P., US
[72] MORGAN, TED A., US
[73] DDP SPECIALTY ELECTRONIC MATERIALS US, INC., US
[85] 2015-04-07
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[25] EN
[54] **CONFIGURABLE INDICATOR ON COMPUTING DEVICE**
[54] **INDICATEUR CONFIGURABLE SUR UN DISPOSITIF INFORMATIQUE**
[72] BOWERS, ANDREW, US
[72] RIVERA, FELIX JOSE ALVAREZ, US
[72] HENDIN, NEIL, US
[73] GOOGLE LLC, US
[85] 2015-04-08
[86] 2013-10-21 (PCT/US2013/065959)
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[54] **SOIL DENSIFICATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE DENSIFICATION DE SOL**
[72] GREEN, RUSSELL A., US
[72] WISSMANN, KORD J., US
[72] VERDIN, JOHN, US
[73] GEOPIER FOUNDATION COMPANY, INC., US
[85] 2015-04-20
[86] 2013-11-05 (PCT/US2013/068532)
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[25] EN
[54] **CHILD CAR SEAT HAVING ACTIVE PROTECTION MEANS**
[54] **SIEGE AUTO POUR ENFANT A MOYENS DE PROTECTION ACTIFS**
[72] RENAUDIN, FRANCOIS, FR
[72] GARNIER, NICOLAS, FR
[73] DOREL FRANCE, FR
[85] 2015-04-23
[86] 2013-10-25 (PCT/EP2013/072421)
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[25] EN
[54] **ADAPTABLE SOCKET SYSTEM, METHOD, AND KIT**
[54] **SYSTEME DE SUPPORT ADAPTABLE, PROCEDE ET KIT**
[72] ALLEY, RANDALL, US
[73] ALLEY, RANDALL, US
[85] 2015-04-24
[86] 2013-10-28 (PCT/US2013/067085)
[87] (WO2014/070666)
[30] US (61/720,934) 2012-10-31
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[25] EN
[54] **THERAPEUTIC AGENT FOR KERATOCONJUNCTIVE DISORDERS**
[54] **AGENT THERAPEUTIQUE POUR TROUBLES KERATOCONJONCTIFS**
[72] KIMURA, KAZUHIRO, JP
[73] YAMAGUCHI UNIVERSITY, JP
[85] 2015-05-05
[86] 2013-11-07 (PCT/JP2013/006563)
[87] (WO2014/073209)
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[51] **Int.Cl. A61K 38/17 (2006.01) A61L 29/08 (2006.01) A61L 29/14 (2006.01)**
[25] EN
[54] **PROTEIN STABILIZING FACTORS APOLIPOPROTEIN A-1 OR HIGH DENSITY LIPOPROTEIN**
[54] **FACTEURS DE STABILISATION DE PROTEINE APOLIPOPROTEINE A-1 OU DE LIPOPROTEINE HAUTE DENSITE**
[72] CHUNG, DOMINIC, US
[72] LOPEZ, JOSE ARON, US
[72] LING, MINHUA, US
[72] CHEN, JUNMEI, US
[72] FU, XIAOYUN, US
[73] PUGET SOUND BLOOD CENTER, US
[73] UNIVERSITY OF WASHINGTON, US
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[86] 2013-11-12 (PCT/US2013/069545)
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[25] EN
[54] **COSMETIC COMPOSITION**
[54] **COMPOSITION COSMETIQUE**
[72] AO, MINGQI, CN
[72] GHATLIA, NARESH DHIRAJLAL, CN
[72] LI, HANGSHENG, CN
[72] WANG, XIUXIA, CN
[72] YUAN, CAIGEN, CN
[73] UNILEVER PLC, GB
[85] 2015-06-02
[86] 2013-12-18 (PCT/CN2013/089863)
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[25] EN
[54] **A COLLAPSIBLE PORTABLE ANTENNA**
[54] **ANTENNE PORTABLE PLIABLE**
[72] PRYOR, NEIL, GB
[72] ATKINS, DAVID, GB
[72] HALL, DAVID, GB
[73] LEONARDO MW LTD, GB
[85] 2015-06-03
[86] 2013-12-09 (PCT/EP2013/075995)
[87] (WO2014/102057)
[30] GB (1223396.1) 2012-12-24
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[25] EN
[54] **EFFECTIVE ATTENUATION OF PRE-ECHOS IN A DIGITAL AUDIO SIGNAL**
[54] **ATTENUATION EFFICACE DE PRE-ECHOS DANS UN SIGNAL AUDIONUMERIQUE**
[72] KOVESI, BALAZS, FR
[72] RAGOT, STEPHANE, FR
[73] ORANGE, FR
[85] 2015-06-11
[86] 2013-12-20 (PCT/FR2013/053216)
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[51] **Int.Cl. E04F 15/10 (2006.01)**
[25] EN
[54] **FLOOR PANEL FOR FORMING A FLOOR COVERING, FLOOR COVERING FORMED OF SUCH FLOOR PANELS, AND METHOD FOR MANUFACTURING SUCH FLOOR PANELS**
[54] **PANNEAU DE PLANCHER PERMETTANT DE FORMER UN REVETEMENT DE SOL, REVETEMENT DE SOL COMPOSE DESDITS PANNEAUX DE PLANCHER ET PROCEDE PERMETTANT DE FABRIQUER LESDITS PANNEAUX DE PLANCHER**
[72] CAPPELLE, MARK, BE
[72] DEVOS, PIETER, BE
[72] NAEYAERT, CHRISTOPHE, BE
[73] FLOORING INDUSTRIES LIMITED, SARL, LU
[85] 2015-06-16
[86] 2014-01-13 (PCT/IB2014/058226)
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[51] **Int.Cl. B64F 5/10 (2017.01) B64C 1/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE RETAINING STRUCTURE FOR A CRADLE FIXTURE**
[54] **STRUCTURE DE RETENUE REGLABLE POUR FIXATION DE BERCEAU**
[72] OBEROI, HARINDER, US
[72] REESE IV, RICHARD GRIFFITH, US
[72] BARRICK, KEVIN MARION, US
[72] DO, QUANG T., US
[72] GEROSA, ALFREDO JOSE, US
[72] SARH, BRANKO, US
[72] GUDZINSKI, GREGORY, US
[72] HU, YUANXIN CHARLES, US
[72] MILLER, JEFFREY LAWRENCE, US
[73] THE BOEING COMPANY, US
[86] (2895704)
[87] (2895704)
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[25] EN
[54] **COUPLER FOR SOIL NAIL AND METHOD OF EMPLACING SAME**
[54] **RACCORD POUR CLOU DE SOL ET METHODE DE POSITIONNEMENT DUDIT CLOU**
[72] BARRET, COLBY, US
[72] BEARD, NATHAN, US
[72] RUCKMAN, TIMOTHY ALLEN, US
[72] BIRCHMIER, MATT, US
[72] HAMILTON, TODD, US
[72] PETERSEN, JUSTIN, US
[72] HAYES, DERRICK, US
[73] R & B LEASING, LLC, US
[86] (2896419)
[87] (2896419)
[22] 2015-07-09
[30] US (14/327,132) 2014-07-09
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[51] **Int.Cl. A01D 90/10 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **CROP CART UNLOADING SYSTEM**
[54] **MECANISME DE DECHARGEMENT DE CHARIOT DE RECOLTE**
[72] KRINGSTAD, BURNELL, US
[73] SAFE-T-PULL, INC., US
[86] (2896780)
[87] (2896780)
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[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/31 (2006.01)**
[25] EN
[54] **A SEALING DEVICE FOR COLONOSCOPY PROCEDURE**
[54] **DISPOSITIF D'ETANCHEITE POUR PROCEDURE DE COLOSCOPIE**
[72] SIMCHONY, TAL, IL
[72] SINAY, AVRAHAM, IL
[72] KRIVORUK, ILIA, IL
[73] G.I. VIEW LTD., IL
[85] 2015-07-08
[86] 2014-01-21 (PCT/IL2014/050072)
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[30] US (61/754,722) 2013-01-21

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[13] C
[51] **Int.Cl. F02C 7/228 (2006.01) F02C 9/34 (2006.01) F23R 3/34 (2006.01)**
[25] FR
[54] **TURBO MACHINE COMBUSTION ASSEMBLY COMPRISING AN IMPROVED FUEL SUPPLY CIRCUIT**
[54] **ENSEMBLE DE COMBUSTION DE TURBOMACHINE COMPRENANT UN CIRCUIT D'ALIMENTATION DE CARBURANT AMELIORE**
[72] BADET, JEAN-PIERRE, FR
[72] VERDIER, HUBERT PASCAL, FR
[73] TURBOMECA, FR
[85] 2015-07-27
[86] 2014-01-23 (PCT/FR2014/050133)
[87] (WO2014/118457)
[30] FR (1350731) 2013-01-29

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[13] C
[51] **Int.Cl. E03C 1/04 (2006.01) B05B 1/30 (2006.01) E03C 1/08 (2006.01)**
[25] EN
[54] **PLUMBING FIXTURE FITTING**
[54] **RACCORD D'INSTALLATION DE PLOMBERIE**
[72] LOERCH, DAVID C., US
[73] MOEN INCORPORATED, US
[86] (2900013)
[87] (2900013)
[22] 2015-08-10
[30] US (14/464,818) 2014-08-21

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[13] C
[51] **Int.Cl. B63B 35/42 (2006.01) B63B 35/00 (2020.01)**
[25] EN
[54] **AN INTEGRATED HEAVY LIFT AND LOGISTICS VESSEL**
[54] **NAVIRE DE TRANSPORT DE CHARGES LOURDES ET D'APPUI LOGISTIQUE INTEGRES**
[72] DAVIS, JAMES BENTON, US
[72] NOBLE, PETER GEORGE, US
[72] CHEUNG, TAKON, US
[72] MERCHANT, AZIZ AMIRALI, SG
[72] KUMAR, SREEKALA, SG
[72] MD MASUM REZA, ABUL BASHAR, SG
[73] KEPPEL OFFSHORE & MARINE TECHNOLOGY CENTRE PTE. LTD., SG
[85] 2015-08-05
[86] 2014-02-28 (PCT/SG2014/000093)
[87] (WO2014/133463)
[30] US (61/770,521) 2013-02-28

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[51] **Int.Cl. B01J 20/04 (2006.01) B01D 53/02 (2006.01) B01J 20/26 (2006.01) B01J 20/28 (2006.01) B65D 81/26 (2006.01)**
[25] EN
[54] **COMPOSITION FOR AMBIENT MOISTURE REGULATION, METHOD OF PREPARATION THEREOF AND USE THEREOF TO REGULATE THE MOISTURE OF AN ENVIRONMENT**
[54] **COMPOSITION POUR LA REGULATION D'HUMIDITE AMBIANTE, SON PROCEDE DE PREPARATION ET SON UTILISATION POUR REGULER L'HUMIDITE DANS UN ENVIRONNEMENT**
[72] CRAPANZANO, SALVATORE DAVIDE, IT
[72] COCINA, DONATO, IT
[72] VAULA, DANTE, IT
[73] PROPAGROUP S.P.A., IT
[85] 2015-08-12
[86] 2014-02-13 (PCT/IB2014/058980)
[87] (WO2014/125437)
[30] IT (TO2013A000116) 2013-02-13

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[13] C
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[25] EN
[54] **VASCULAR ENDOTHELIAL GROWTH FACTOR BINDING PROTEINS**
[54] **PROTEINES LIANT LE FACTEUR DE CROISSANCE DE L'ENDOTHELIUM VASCULAIRE**
[72] GEROMETTA, MICHAEL, AU
[72] ADAMS, TIMOTHY, AU
[73] VEGENICS PTY LIMITED, AU
[85] 2015-08-13
[86] 2014-02-13 (PCT/AU2014/000114)
[87] (WO2014/124487)
[30] US (61/765,841) 2013-02-18
[30] US (61/782,376) 2013-03-14

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[13] C
[51] **Int.Cl. B60R 19/26 (2006.01) B60R 19/18 (2006.01) B60R 19/34 (2006.01) B62D 25/08 (2006.01) F16F 7/12 (2006.01)**
[25] EN
[54] **IMPACT ABSORBING ELEMENT**
[54] **ELEMENT AMORTISSEUR POUR COLLISION**
[72] KELLER, ROLAND, DE
[72] SHIVPANOR, SATISH, DE
[73] MAGNA INTERNATIONAL INC., CA
[85] 2015-08-13
[86] 2014-02-04 (PCT/IB2014/000381)
[87] (WO2014/128560)
[30] DE (10 2013 202 607.2) 2013-02-19

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[13] C
[51] **Int.Cl. C12P 19/14 (2006.01)**
[25] EN
[54] **SUGAR-SOLUTION PRODUCTION METHOD**
[54] **PROCEDE DE PRODUCTION DE SOLUTION DE SUCRE**
[72] YAMADA, CHIAKI, JP
[72] KURIHARA, HIROYUKI, JP
[72] YAMADA, KATSUSHIGE, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2015-08-19
[86] 2014-02-19 (PCT/JP2014/053869)
[87] (WO2014/129489)
[30] JP (2013-030631) 2013-02-20

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[13] C
[51] **Int.Cl. B29C 64/118 (2017.01)**
[25] EN
[54] **METHOD FOR PRODUCING A THREE-DIMENSIONAL OBJECT BY MEANS OF ADDITIVE CONSTRUCTION**
[54] **PROCEDE D'OBTENTION D'UN OBJET EN TROIS DIMENSIONS PAR FABRICATION ADDITIVE**
[72] KRAIBUHLER, HERBERT, DE
[72] DUFFNER, EBERHARD, DE
[72] KESSLING, OLIVER, DE
[73] ARBURG GMBH + CO KG, DE
[85] 2015-08-21
[86] 2014-02-21 (PCT/EP2014/000460)
[87] (WO2014/131500)
[30] DE (10 2013 003 167.2) 2013-02-26

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[13] C
[51] **Int.Cl. G01V 9/00 (2006.01) B64C 25/28 (2006.01) B64D 47/00 (2006.01) G01B 11/16 (2006.01) G01K 11/32 (2006.01) G01V 3/08 (2006.01)**
[25] EN
[54] **PROXIMITY SENSOR**
[54] **CAPTEUR DE PROXIMITE**
[72] SCHMIDT, KYLE, GB
[73] SAFRAN LANDING SYSTEMS CANADA INC. / SAFRAN SYSTEMES D'ATTERRISSAGE CANADA INC., CA
[85] 2015-08-31
[86] 2014-03-07 (PCT/CA2014/000190)
[87] (WO2014/134713)
[30] US (13,789,779) 2013-03-08

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[13] C
[51] **Int.Cl. A23F 5/46 (2006.01) A23L 27/00 (2016.01) A23L 27/28 (2016.01) A23P 10/30 (2016.01) A23F 5/48 (2006.01)**
[25] EN
[54] **AROMA RELEASE CAPSULES**
[54] **CAPSULES A LIBERATION D'AROME**
[72] BRAGA, ANA LUIZA, BR
[72] GUNES, ZEYNEL DENIZ, CH
[72] HUSNY, JOESKA, CH
[72] PRETRE, DANIEL ANDRE, CH
[72] SOUSSAN, ELODIE, CH
[73] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2015-09-02
[86] 2014-05-12 (PCT/EP2014/059595)
[87] (WO2014/184119)
[30] EP (13167418.6) 2013-05-13

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[13] C
[51] **Int.Cl. F17D 3/00 (2006.01) B08B 9/04 (2006.01) B08B 13/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR IN-LINE CHARGING OF A PIPELINE TOOL**
[54] **APPAREIL ET PROCEDE POUR CHARGEMENT EN LIGNE D'UN OUTIL DE PIPELINE**
[72] COMELLO, CORRY, CA
[72] LAURSEN, PAUL, CA
[72] SPEERS, DARYL, CA
[72] TAYLOR, PETER, CA
[73] INVODANE ENGINEERING LTD., CA
[85] 2015-09-04
[86] 2014-03-12 (PCT/CA2014/000205)
[87] (WO2014/138879)
[30] US (13/829,247) 2013-03-14

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[13] C
[51] **Int.Cl. A44B 99/00 (2010.01)**
[25] EN
[54] **CABLE LACING TIE DEVICES AND METHODS OF USING THE SAME**
[54] **DISPOSITIFS DE LIEN D'ENTRELACEMENT DE CABLES ET LEURS PROCEDES D'UTILISATION**
[72] ZANTOUT, ALAN, US
[72] PETERSON, THOMAS, US
[72] LATHAM, STEPHEN, US
[72] FRANCHINO, DAVE, US
[72] ENGLAND, JUSTEN, US
[72] DARLEY, JESSE CHARLES, US
[73] IDEAL INDUSTRIES, INC., US
[85] 2015-09-04
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[87] (WO2014/151246)
[30] US (13/838,390) 2013-03-15

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[25] EN
[54] **MODULAR AIR GRILL ASSEMBLY**
[54] **ENSEMBLE DE GRILLE A AIR MODULAIRE**
[72] SIDDIQUI, FAISAL, US
[72] BERGIN, BRYAN, US
[73] DOMETIC CORPORATION, US
[85] 2015-09-14
[86] 2013-10-17 (PCT/US2013/065458)
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[30] US (13/827,604) 2013-03-14

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[51] **Int.Cl. G01R 33/00 (2006.01) G01R 33/02 (2006.01) G01R 33/025 (2006.01)**
[25] EN
[54] **MAGNETIC COMPENSATION CIRCUIT AND METHOD FOR COMPENSATING THE OUTPUT OF A MAGNETIC SENSOR, RESPONDING TO CHANGES A FIRST MAGNETIC FIELD**
[54] **CIRCUIT DE COMPENSATION MAGNETIQUE ET PROCEDE DE COMPENSATION DE LA SORTIE D'UN CAPTEUR MAGNETIQUE, EN REPONSE A DES MODIFICATIONS D'UN PREMIER CHAMP MAGNETIQUE**
[72] WEST, GORDON FOX, CA
[72] WALKER, PETER WHYTE, CA
[72] POLZER, BENJAMIN DAVID, CA
[73] VALE S.A., BR
[85] 2015-09-16
[86] 2014-03-20 (PCT/BR2014/000093)
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[30] US (61/804,097) 2013-03-21

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[25] EN
[54] **APPARATUS AND METHOD FOR ENHANCED WASTEWATER TREATMENT**
[54] **APPAREIL ET PROCEDE POUR UN TRAITEMENT AMELIORE DES EAUX USEES**
[72] BETTLE, GRISCOM, III, US
[72] KEY, JAMES RHRODRICK, US
[72] ROBERTS, RICKY EUGENE, US
[73] ABSOLUTE AERATION, US
[85] 2015-10-16
[86] 2014-04-24 (PCT/US2014/035221)
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[30] US (61/854,410) 2013-04-24

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[51] **Int.Cl. B05D 5/08 (2006.01) B05D 7/14 (2006.01) C23C 18/12 (2006.01)**
[25] FR
[54] **PROCESS FOR MANUFACTURING A PART PROVIDED WITH A LUBRICATING SURFACE COATING, PART PROVIDED WITH SUCH A COATING AND TURBOMACHINE**
[54] **PROCEDE DE FABRICATION D'UNE PIECE DOTEE D'UN REVETEMENT DE SURFACE LUBRIFIANT, PIECE DOTEE D'UN TEL REVETEMENT ET TURBOMACHINE**
[72] RAHOUI, SOUPHIANE, FR
[72] BONINO, JEAN-PIERRE, FR
[72] TURQ-PERRUSSEL, VIVIANE, FR
[72] ROCCHI, JEROME, FR
[73] LIEBHERR-AEROSPACE TOULOUSE SAS, FR
[73] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR
[73] UNIVERSITE PAUL SABATIER TOULOUSE III, FR
[85] 2015-10-21
[86] 2014-04-23 (PCT/FR2014/050986)
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[25] EN
[54] **INK TO TEXT REPRESENTATION CONVERSION**
[54] **CONVERSION D'UNE ENTREE A L'ENCRE EN REPRESENTATION TEXTUELLE**
[72] ISABEL, MATTHEW, US
[72] DAVIS, TRISTAN, US
[72] VANDEKERKHOF, MICHAEL, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2015-10-23
[86] 2014-05-19 (PCT/US2014/038532)
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[25] EN
[54] **HEATING INSTALLATION**
[54] **INSTALLATION DE CHAUFFAGE**
[72] GORANSSON, HANS-GORAN, MT
[73] ENERGY MACHINES APS, DK
[85] 2015-11-03
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[25] EN
[54] **AXIAL PISTON PUMP**
[54] **POMPE A PISTONS AXIAUX**
[72] KRONPASS, MANUEL, DE
[73] HYDAC DRIVE CENTER GMBH, DE
[85] 2015-11-16
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[30] DE (10 2013 008 676.0) 2013-05-22
[30] DE (10 2013 008 681.7) 2013-05-22
[30] DE (10 2013 008 629.9) 2013-05-22
[30] DE (10 2013 008 679.5) 2013-05-22
[30] DE (10 2013 008 678.7) 2013-05-22
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[51] **Int.Cl. F02B 37/22 (2006.01) F01D 17/14 (2006.01) F02B 37/24 (2006.01) F02C 6/12 (2006.01) F02D 23/00 (2006.01)**
[25] EN
[54] **TURBOCHARGER WITH PROGRESSIVELY VARIABLE A/R RATIO**
[54] **TURBOCOMPRESSEUR A RAPPORT A/R PROGRESSIVEMENT VARIABLE**
[72] BLAYLOCK, JIMMY L., US
[73] SWITCHBLADE TURBO, LLC, US
[85] 2015-11-18
[86] 2014-05-23 (PCT/US2014/039362)
[87] (WO2014/190272)
[30] US (61/827,039) 2013-05-24
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[25] FR
[54] **TURBOMACHINE CASING COMPRISING AN ENDOSCOPY PORT**
[54] **CARTER DE TURBOMACHINE COMPORTANT UN ORIFICE D'ENDOSCOPIE**
[72] LEUTARD, FLORENCE IRENE NOELLE, FR
[72] DURAND, DIDIER NOEL, FR
[72] JAMON, THIBAULT, FR
[73] SNECMA, FR
[85] 2015-11-25
[86] 2014-05-28 (PCT/FR2014/051284)
[87] (WO2014/191699)
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[51] **Int.Cl. C08G 18/79 (2006.01) C08G 18/10 (2006.01)**
[25] EN
[54] **POLYISOCYANATE COMPOSITION AND METHOD OF MANUFACTURING THE SAME, BLOCKED POLYISOCYANATE COMPOSITION AND METHOD OF MANUFACTURING THE SAME, RESIN COMPOSITION, CURABLE RESIN COMPOSITION AND HARDENED MATERIAL**
[54] **COMPOSITION DE POLYISOCYANATE ET PROCEDE DE FABRICATION ASSOCIE, COMPOSITION DE POLYISOCYANATE ET PROCEDE DE FABRICATION ASSOCIE, COMPOSITION DE RESINE, COMPOSITION DE RESINE DURCISSABLE ET MATERIAU DURCI**
[72] FUKUCHI, TAKASHI, JP
[72] UCHIDA, MASAKO, JP
[72] MIWA, YUICHI, JP
[73] ASAHI KASEI CHEMICALS CORPORATION, JP
[85] 2015-12-17
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[30] JP (2013-134440) 2013-06-27

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[51] **Int.Cl. H04W 16/10 (2009.01)**
[25] EN
[54] **FREQUENCY SPECTRAL MANAGEMENT APPARATUS AND METHOD, GEOGRAPHICAL LOCATION DATABASE AND SECONDARY SYSTEM APPARATUS**
[54] **APPAREIL ET PROCEDE DE GESTION SPECTRALE DES FREQUENCES, BASE DE DONNEES DE GEOLOCALISATION, ET APPAREIL POUR SYSTEME SECONDAIRE**
[72] SUN, CHEN, CN
[72] GUO, XIN, CN
[73] SONY CORPORATION, JP
[85] 2015-12-22
[86] 2014-07-29 (PCT/CN2014/083212)
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[51] **Int.Cl. A61J 7/04 (2006.01) A61J 1/03 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **NOVEL MEDICATION DISPENSER**
[54] **DISTRIBUTEUR DE MEDICAMENT NOVATEUR**
[72] MOHAMED, SAMEH S., CA
[73] MOHAMED, SAMEH S., CA
[86] (2921348)
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[25] EN
[54] **PORTABLE ELECTRICAL POWER UNIT**
[54] **MODULE D'ALIMENTATION ELECTRIQUE PORTABLE**
[72] BYRNE, NORMAN R., US
[72] PETERSEN, THOMAS A., US
[72] GIVAUDAN, JORGE A., MX
[72] WIRGAU, ELIZABETH A., US
[73] BYRNE, NORMAN R., US
[86] (2923475)
[87] (2923475)
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[30] US (62/131501) 2015-03-11
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[51] **Int.Cl. C25B 9/00 (2006.01) C25B 15/02 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **MOLTEN CARBOXYLATE ELECTROLYTES FOR ELECTROCHEMICAL DECARBOXYLATION PROCESSES**
[54] **ELECTROLYTES DE CARBOXYLATE FONDU POUR PROCEDES ELECTROCHIMIQUES DE DECARBOXYLATION**
[72] MOSBY, JAMES, US
[72] BHAVARAJU, SAI, US
[73] ENLIGHTEN INNOVATIONS INC., CA
[85] 2016-03-16
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[25] EN
[54] **CEMENT COMPOSITION FOR LOST CIRCULATION APPLICATION**
[54] **COMPOSITION DE CIMENT POUR APPLICATION ANTI-PERTE DE CIRCULATION**
[72] PATIL, SANDIP PRABHAKAR, US
[72] PATIL, RAHUL CHANDRAKANT, US
[72] RAVI, KRISHNA M., US
[72] SINGH, SHEETAL, US
[72] JOSEPH, TRISSA, US
[72] DUFFY, MARCUS, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-21
[86] 2013-11-25 (PCT/US2013/071647)
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[13] C
[51] **Int.Cl. A61K 8/24 (2006.01) A61K 8/21 (2006.01) A61K 8/25 (2006.01) A61K 8/44 (2006.01) A61Q 11/00 (2006.01)**
[25] EN
[54] **ORAL CARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOINS BUCCAUX**
[72] SANTARPIA, RALPH PETER, III, US
[72] SULLIVAN, RICHARD J., US
[72] PETROU, IRENE, US
[72] JOSIAS, WILBENS, US
[72] ROBINSON, RICHARD S., US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2016-04-06
[86] 2013-12-03 (PCT/US2013/072755)
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[13] C
[51] **Int.Cl. B65D 41/00 (2006.01)**
[25] EN
[54] **DEVICE FOR CAPPING A BARREL**
[54] **APPAREIL DE RECOUVREMENT D'UN BARIL**
[72] MCKALE, MARK J., CA
[73] MCKALE, MARK J., CA
[86] (2929204)
[87] (2929204)
[22] 2016-05-05
[30] US (62/157614) 2015-05-06

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[13] C
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING ANTI-CEACAM1 AND ANTI-PD ANTIBODIES FOR CANCER THERAPY**
[54] **COMPOSITIONS COMPRENANT DES ANTICORPS ANTI-CEACAM1 ET ANTI-PD POUR LA CANCEROTHERAPIE**
[72] BEN-MOSHE, TEHILA, IL
[72] SAPIR, YAIR, IL
[72] MANDEL, ILANA, IL
[72] MEILIN, EDNA, IL
[73] FAMEWAVE LTD., IL
[85] 2016-05-10
[86] 2014-11-25 (PCT/IL2014/051019)
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[51] **Int.Cl. A61K 47/36 (2006.01) A61K 9/14 (2006.01) A61K 33/26 (2006.01) A61P 1/10 (2006.01) A61P 7/06 (2006.01)**
[25] EN
[54] **IRON-POLYSACCHARIDE COMPLEXES AND METHODS FOR THE PREPARATION THEREOF**
[54] **COMPLEXES FER-POLYSACCHARIDE ET METHODES DE PREPARATION ASSOCIEES**
[72] BRADY, PAUL, US
[72] CROMACK, KEITH, US
[73] PARTICLE DYNAMICS INTERNATIONAL, LLC, US
[86] (2932075)
[87] (2932075)
[22] 2016-06-02
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[51] **Int.Cl. C12N 15/85 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TARGETED MODIFICATION OF A GENOME**
[54] **PROCEDES ET COMPOSITIONS POUR LA MODIFICATION CIBLEE D'UN GENOME**
[72] FRENDEWEY, DAVID, US
[72] AUERBACH, WOJTEK, US
[72] LAI, KA-MAN VENUS, US
[72] KUNO, JUNKO, US
[72] VALENZUELA, DAVID M., US
[72] YANCOPOULOS, GEORGE D., US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2016-06-10
[86] 2014-10-15 (PCT/US2014/060788)
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[30] US (61/914,768) 2013-12-11
[30] US (62/017,416) 2014-06-26
[30] US (62/029,261) 2014-07-25
[30] US (62/052,906) 2014-09-19
[30] US (62/059,527) 2014-10-03
[30] US (62/064,384) 2014-10-15

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[51] **Int.Cl. A61M 25/00 (2006.01) A61L 29/04 (2006.01) A61L 29/14 (2006.01)**
[25] EN
[54] **FLUSHABLE CATHETERS**
[54] **CATHETERS POUVANT ETRE JETES DANS LES TOILETTES**
[72] ROSTAMI, SHAMSEDIN, GB
[72] FOLEY, ADAM J., IE
[72] CLARKE, JOHN T., IE
[72] MONTES DE OCA BALDERAS, HORACIO, IE
[72] CARTER, ENDA F., IE
[72] HENRY, JEROME A., IE
[73] HOLLISTER INCORPORATED, US
[85] 2016-06-10
[86] 2014-12-10 (PCT/US2014/069569)
[87] (WO2015/089197)
[30] US (61/915,396) 2013-12-12
[30] US (61/915,382) 2013-12-12
[30] US (62/011,282) 2014-06-12

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[13] C
[51] **Int.Cl. A01N 59/20 (2006.01) A01N 25/02 (2006.01) A01P 1/00 (2006.01)**
[25] EN
[54] **ACID-SOLUBILIZED COPPER-AMMONIUM COMPLEXES AND COPPER-ZINC-AMMONIUM COMPLEXES, COMPOSITIONS, PREPARATIONS, METHODS, AND USES**
[54] **COMPLEXES DE CUIVRE-AMMONIUM ET COMPLEXES DE CUIVRE-ZINC-AMMONIUM SOLUBILISES EN MILIEU ACIDE, COMPOSITIONS, PREPARATIONS, PROCEDES ET UTILISATIONS**
[72] HALL, TONY JOHN, GB
[73] MYCO SCIENCES LIMITED, GB
[85] 2016-06-10
[86] 2014-12-12 (PCT/US2014/069908)
[87] (WO2015/089358)
[30] US (14/106,676) 2013-12-13

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[13] C
[51] **Int.Cl. G08B 21/00 (2006.01)**
[25] EN
[54] **PLUMBING CONTROL SYSTEM WITH DISTRESS SIGNAL**
[54] **SYSTEME DE COMMANDE DE PLOMBERIE A SIGNAL DE DETRESSE**
[72] BUSH, SHAWN D., US
[72] ELLIOTT, DONALD RAY, US
[73] SDB IP HOLDINGS, LLC, US
[85] 2016-06-16
[86] 2014-12-18 (PCT/US2014/071126)
[87] (WO2015/095505)
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[30] US (14/573,608) 2014-12-17

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[25] EN
[54] **VERSATILE LIGHTING SYSTEM FOR DISPENSING CABINETS**
[54] **SYSTEME D'ECLAIRAGE POLYVALENT D'ARMOIRES DE DISTRIBUTION**
[72] KIM, STANLEY, US
[72] STEINBERGER, DANIEL, US
[72] LE, MIMOSA, US
[72] MORENO, GERARDO, US
[72] YOUNG, ROBERT J., US
[73] OMNICELL, INC., US
[85] 2016-07-19
[86] 2015-01-27 (PCT/US2015/012994)
[87] (WO2015/116554)
[30] US (14/166,403) 2014-01-28

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[13] C
[51] **Int.Cl. A61F 5/44 (2006.01)**
[25] EN
[54] **INFLATIONLESS RETENTION CUFF FOR FLUID COLLECTION DEVICES**
[54] **MANCHON DE RETENUE SANS GONFLAGE POUR DISPOSITIFS DE COLLECTE DE FLUIDE**
[72] CISKO, GEORGE, US
[72] GILMAN, THOMAS, US
[72] HERMANN, MARK, US
[72] VISCONTI, PETER, US
[72] MEADE, NOAH, US
[73] HOLLISTER INCORPORATED, US
[85] 2016-08-02
[86] 2015-02-03 (PCT/US2015/014290)
[87] (WO2015/117141)
[30] US (61/935,083) 2014-02-03

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[13] C
[51] **Int.Cl. A61K 38/00 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **BETA HAIRPIN PEPTIDES HAVING ANTI-VIRAL PROPERTIES AGAINST THE DENGUE VIRUS**
[54] **PEPTIDES EN EPINGLES A CHEVEUX BETA AYANT DES PROPRIETES ANTIVIRALES CONTRE LE VIRUS DE LA DENGUE**
[72] CHINEA SANTIAGO, GLAY, CU
[72] HUERTA GALINDO, VIVIAN, CU
[72] MARTIN DUNN, ALEJANDRO MIGUEL, CU
[72] GARAY PEREZ, HILDA ELISA, CU
[72] REYES ACOSTA, OSVALDO, CU
[72] FALCON CAMA, VIVIANA, CU
[72] PUPO GOMEZ, DIANNE, CU
[72] YERO DIAZ, ALEXIS, CU
[72] MARQUEZ PERERA, GABRIEL JESUS, CU
[72] SARRIA NUNEZ, MONICA, CU
[72] GUIROLA CRUZ, OSMANY, CU
[72] GARATEIX SUAREZ, ROCIO, CU
[72] ALVAREZ PEREZ, KAREN, CU
[72] GONZALEZ BLANCO, SONIA, CU
[72] VAZQUEZ CASTILLO, MARIELA, CU
[72] GONZALEZ LOPEZ, LUIS JAVIER, CU
[73] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU
[85] 2016-08-18
[86] 2015-02-26 (PCT/CU2015/000002)
[87] (WO2015/131858)
[30] CU (CU 2014-0026) 2014-03-03

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[13] C
[51] **Int.Cl. C12N 15/10 (2006.01) C07H 21/04 (2006.01) C12M 1/38 (2006.01) C12P 19/34 (2006.01)**
[25] EN
[54] **METHOD OF ISOLATING NUCLEIC ACID FROM SPECIMENS IN LIQUID-BASED CYTOLOGY PRESERVATIVES CONTAINING FORMALDEHYDE**
[54] **PROCEDE POUR ISOLER L'ACIDE NUCLEIQUE D'ECHANTILLONS DANS DES CONSERVATEURS DE CYTOLOGIE AQUEUX CONTENANT DU FORMALDEHYDE**
[72] KIRKCONNELL, BRETT WOLFE, US
[72] WILSON, TIMOTHY JOSEPH, US
[72] JENSEN, DEBORAH CHRISTINE, US
[73] GEN-PROBE INCORPORATED, US
[85] 2016-08-22
[86] 2014-03-21 (PCT/US2014/000064)
[87] (WO2015/130255)
[30] US (61/946,367) 2014-02-28

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[13] C
[51] **Int.Cl. H04N 5/232 (2006.01) E05F 15/668 (2015.01) G08B 13/08 (2006.01) G08B 13/196 (2006.01) G08B 13/22 (2006.01) G08B 25/00 (2006.01)**
[25] EN
[54] **BARRIER OPERATOR CONTROL OF A CAMERA**
[54] **COMMANDE D'OPERATEUR DE BARRIERE D'UNE CAMERA**
[72] LEE, JONATHAN ARNOLD, US
[72] YEH, Y. KEVIN, US
[72] FITZGIBBON, JAMES J., US
[73] THE CHAMBERLAIN GROUP, INC., US
[85] 2016-09-16
[86] 2015-03-26 (PCT/US2015/022742)
[87] (WO2015/148799)
[30] US (61/971,260) 2014-03-27

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[13] C
[51] **Int.Cl. H02K 7/06 (2006.01) A01B 69/04 (2006.01) B62D 5/04 (2006.01)**
[25] EN
[54] **ELECTRIC ACTUATOR**
[54] **ACTIONNEUR ELECTRIQUE**
[72] AUBIN-MARCHAND, JEREMIE, CA
[73] SOUCY INTERNATIONAL INC., CA
[86] (2944856)
[87] (2944856)
[22] 2016-10-11
[30] US (62/239,129) 2015-10-08

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[13] C
[51] **Int.Cl. B05C 5/02 (2006.01)**
[25] EN
[54] **APPLICATORS FOR DELIVERING GLUTINOUS SUBSTANCE TO WORKPIECE FROM END-EFFECTOR AND ASSOCIATED APPARATUSES, SYSTEMS, AND METHODS**
[54] **APPLICATEURS SERVANT A DISTRIBUER UNE SUBSTANCE GLUANTE SUR UNE PIECE DE TRAVAIL A PARTIR D'UN EFFECTEUR D'EXTREMITE ET APPAREILS, SYSTEMES ET METHODES ASSOCIEES**
[72] PRINGLE, JOHN W., IV, US
[72] TOMUTA, RAUL, US
[72] WEINMANN, JAKE B., US
[72] BROWN, JOHN J., US
[72] ERICKSON, CHRIS, US
[72] GUIRGUIS, MARTIN, US
[72] TREND, DON D., US
[72] TOPF, RICHARD P., US
[73] THE BOEING COMPANY, US
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[54] **SYSTEM AND METHODS FOR USING CIPHER OBJECTS TO PROTECT DATA**
[54] **SYSTEMES ET PROCEDES D'UTILISATION D'OBJETS DE CHIFFREMENT POUR PROTEGER DES DONNEES**
[72] SMITH, GREGORY SCOTT, US
[72] SMITH WEED, MELANI LEIGH, US
[72] FISCHER, DANIEL MICHAEL, US
[72] RIDENOUR, ELKE M., US
[73] SERTAINTY CORPORATION, US
[85] 2016-10-17
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[54] **A SYSTEM AND METHOD FOR MONITORING FOOD WASTE**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE DECHETS ALIMENTAIRES**
[72] MEKHSIAN, HRAIR, GB
[72] DUFFY, KEVIN, GB
[72] ZORNES, MARC, GB
[73] WINNOW SOLUTIONS LIMITED, GB
[85] 2016-10-18
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[54] **ARRANGEMENT AND METHOD FOR IDENTIFYING FINGERPRINTS**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'EMPREINTES DIGITALES**
[72] HOMER, ALOIS, AT
[73] NOVOMATIC AG, AT
[85] 2016-10-21
[86] 2015-04-22 (PCT/EP2015/058742)
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[25] EN
[54] **MICROWAVE STERILIZATION OR PASTEURIZATION**
[54] **STERILISATION OU PASTEURISATION PAR MICRO-ONDES**
[72] TANG, JUMING, US
[72] LIU, FANG, US
[73] WASHINGTON STATE UNIVERSITY, US
[85] 2016-10-25
[86] 2015-05-06 (PCT/US2015/029468)
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[25] EN
[54] **SUPPORT DEVICE OF AN ACTIVE PART OF A CURRENT TRANSFORMER**
[54] **DISPOSITIF DE SUPPORT D'UNE PIECE ACTIVE D'UN TRANSFORMATEUR DE COURANT**
[72] GABER, MICHAEL, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **A METHOD OF COATING A SHEET OF STEEL**
[54] **PROCEDE DE REVETEMENT D'UNE TOLE D'ACIER**
[72] BRYAN, ALLCOCK, GB
[73] MONITOR COATINGS LIMITED, GB
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[54] **DISK BENDING SHEAR TESTING AND SYSTEM**
[54] **ESSAI DE CISAILLEMENT DE COURBURE DE DISQUE ET SYSTEME**
[72] KRASNOWSKI, BOGDAN ROMAN, US
[72] LI, XIAOMING, US
[72] TZENG, CHYAU, US
[72] WARDLAW, ROBERT PATRICK, US
[72] BRACK, ROBERT ARNOLD, US
[73] BELL HELICOPTER TEXTRON INC., US
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[54] **AERODYNAMICALLY STREAMLINED ENCLOSURE FOR INPUT DEVICES OF A MEDICATION PREPARATION SYSTEM**
[54] **ENCEINTE PROFILEE DE FACON AERODYNAMIQUE POUR DISPOSITIFS D'ENTREE D'UN SYSTEME DE PREPARATION DE MEDICAMENTS**
[72] NOWICKI, MATTHEW, US
[72] SANDMANN, CHRISTIAN, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2017-02-28
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[25] EN
[54] **INTERCONNECTABLE HOLLOW STEEL PIPE FOR CONSTRUCTING FORCE DRIVEN PILES AND THE METHOD OF FORMING THE PILE**
[54] **TUYAU EN ACIER CREUX INTERCONNECTABLE POUR CONSTRUIRE DES PIEUX BATTUS ET PROCEDE DE FORMATION DU PIEU**
[72] DESMEULES, ALAIN, CA
[73] DESANTIS, BROOKE, CA
[86] (2963802)
[87] (2963802)
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[54] **LUBRICANT COMPOSITIONS COMPRISING DISPERSANT MIXTURES**
[54] **COMPOSITIONS LUBRIFIANTES RENFERMANT DES MELANGES DE DISPERSANTS**
[72] CAMPBELL, DIANE, US
[72] LAGONA, JASON, US
[73] AFTON CHEMICAL CORPORATION, US
[86] (2965259)
[87] (2965259)
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[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF MULTIPLE SCLEROSIS**
[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] KANDULA, MAHESH, IN
[73] CELLIX BIO PRIVATE LIMITED, IN
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[25] EN
[54] **AMINOPYRAZINE COMPOUNDS WITH A2A ANTAGONIST PROPERTIES**
[54] **COMPOSES AMINOPYRAZINES AYANT DES PROPRIETES ANTAGONISTES DE L'A2A**
[72] KUANG, RONGZE, US
[72] TING, PAULINE, US
[72] ALI, AMJAD, US
[72] WU, HEPING, US
[72] BERLIN, MICHAEL, US
[72] STAMFORD, ANDREW, US
[72] WANG, HONGWU, US
[72] ZHOU, GANG, US
[72] KIM, DAVID, US
[72] DENG, QIAOLIN, US
[72] LIM, YEON-HEE, US
[72] YU, YOUNONG, US
[73] MERCK SHARP & DOHME CORP., US
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[25] EN
[54] **ANGLE CONNECTOR FOR DIFFERENTIAL TRANSMISSION OF DATA SIGNALS**
[54] **CONNECTEUR D'ANGLE POUR LA TRANSMISSION DIFFERENTIELLE DE SIGNAUX DE DONNEES**
[72] ROSENBERGER, BERND, DE
[73] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
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[54] **QUANTUM CASCADE LASER WITH CURRENT BLOCKING LAYERS**
[54] **LASER A CASCADE QUANTIQUE A COUCHES DE BLOCAGE DU COURANT**
[72] BISMUTO, ALFREDO, CH
[72] FAIST, JEROME, CH
[72] GINI, EMILIO, CH
[72] HINKOV, BORISLAV, CH
[73] ALPES LASERS SA, CH
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[54] **SAWMILL CARRIAGE ASSEMBLY**
[54] **DISPOSITIF DE CHARIOT DE SCIERIE**
[72] CABRIT, SEBASTIEN, CA
[72] DALE, ASHLYNNE, CA
[72] SHELLSWELL, BRIAN, CA
[73] NORWOOD INDUSTRIES INC., CA
[86] (2969794)
[87] (2969794)
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[51] **Int.Cl. F28G 13/00 (2006.01) F24F 3/16 (2006.01) F24F 13/30 (2006.01) F28G 1/00 (2006.01)**
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[54] **UV DECONTAMINATION SYSTEM FOR CLIMATE CONTROL SYSTEMS**
[54] **SYSTEME DE DECONTAMINATION PAR UV POUR SYSTEMES DE CLIMATISEUR**
[72] BRAIS, NORMAND, CA
[72] DESPATIS PAQUETTE, BENOIT, CA
[72] DAME, JOCELYN, CA
[73] SANUVOX TECHNOLOGIES INC., CA
[85] 2017-06-15
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[25] EN
[54] **THRUST BEARING AND CLAMP IN ROLL JOURNAL ASSEMBLY**
[54] **PINCE ET PALIER DE BUTEE DANS UN ENSEMBLE TOURILLON DE CYLINDRE**
[72] MCDOUGALL, CARL, CA
[72] TAIT, TERRY, CA
[73] ARCELORMITTAL S.A., LU
[85] 2017-06-23
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[54] **SUCTION NOZZLE FOR USE WITH LIQUID**
[54] **BUSE DE SUCCION DESTINEE A UN LIQUIDE**
[72] RATHWELL, JIM, CA
[73] BEARSPAW SEPARATORS INC., CA
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[87] (2972512)
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[25] EN
[54] **CEBRANOPADOL FOR TREATING PAIN IN SUBJECTS WITH IMPAIRED HEPATIC AND/OR IMPAIRED RENAL FUNCTION**
[54] **CEBRANOPADOL POUR LE TRAITEMENT DE LA DOULEUR CHEZ DES SUJETS A FONCTION HEPATIQUE ALTEREE ET/OU FONCTION RENALE ALTEREE**
[72] KLEIDEITER, ELKE, DE
[72] CHRISTOPH, ANNETTE, DE
[72] FUSSEN, RENE, DE
[72] OSSIG, JOACHIM, DE
[72] BOINPALLY, RAMESH, US
[73] GRUNENTHAL GMBH, DE
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[54] **CONVEYOR SYSTEM**
[54] **SYSTEME DE TRANSPORTEUR**
[72] GUNTHER, OLIVER, DE
[72] SCHMIDT, KAY-ERIC, DE
[73] WIPOTEC GMBH, DE
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[87] (2974730)
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[54] **OBFUSCATION FOR PROTECTION OF STREAMING MEDIA AND OTHER DATA FLOWS**
[54] **BROUILLAGE DE PROTECTION DE VIDEO EN CONTINU ET D'AUTRES FLUX DE DONNEES**
[72] ANDERSON, LEX AARON, NZ
[73] ARRIS ENTERPRISES LLC, US
[85] 2017-07-25
[86] 2016-01-27 (PCT/US2016/015164)
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[30] US (62/108,272) 2015-01-27
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[51] **Int.Cl. H04L 12/26 (2006.01)**
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[54] **NODE, NETWORK CONTROLLER, AND ASSOCIATED METHODS FOR ROUTING DATA PACKETS IN A NETWORK**
[54] **N□UD, CONTROLEUR RESEAU ET PROCEDES ASSOCIES PERMETTANT D'ACHEMINER DES PAQUETS DE DONNEES DANS UN RESEAU**
[72] ASHWOOD-SMITH, PETER, CA
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2017-07-28
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[25] EN
[54] **STANDPIPE-FLUID BED HYBRID SYSTEM FOR CHAR COLLECTION, TRANSPORT, AND FLOW CONTROL**
[54] **SYSTEME HYBRIDE A LIT FLUIDE DE COLONNE MONTANTE POUR LA COLLECTE, LE TRANSPORT ET LA REGULATION DE DEBIT DE RESIDUS DE CARBONISATION**
[72] TSANG, ALBERT C., US
[73] LUMMUS TECHNOLOGY INC., US
[85] 2017-07-27
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[54] **GYPSUM PANELS, SYSTEMS, AND METHODS**
[54] **PANNEAUX DE PLATRE, SYSTEMES, ET PROCEDES**
[72] THOMAS, VINCENT B., US
[72] BRADFORD, ROCHELLE, US
[72] SANDERS, CHRISTOPHER J., US
[72] TENG, YI-HSIEN HARRY, US
[73] GEORGIA-PACIFIC GYPSUM LLC, US
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[25] EN
[54] **PERIMETER VENTILATION SYSTEM FOR ELECTRONIC DISPLAY**
[54] **SYSTEME DE VENTILATION PERIMETRIQUE DESTINE A UN AFFICHEUR ELECTRONIQUE**
[72] DEMARS, RYAN, US
[73] MANUFACTURING RESOURCES INTERNATIONAL, INC., US
[85] 2017-08-08
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[25] EN
[54] **ELECTRICAL MEASURING SYSTEM AND METHOD FOR OPERATING THE SYSTEM**
[54] **SYSTEME DE MESURE D'ELECTRICITE ET METHODE D'EXPLOITATION DUDIT SYSTEME**
[72] LURZ, FABIAN, DE
[72] LINDNER, STEFAN, DE
[72] KOELPIN, ALEXANDER, DE
[72] HALDER, ERNST, DE
[72] DINGLER, PETER, DE
[72] SEPT-ENZEL, GEROLD, DE
[73] HORST SIEDLE GMBH & CO. KG, DE
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[22] 2017-09-29
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[25] EN
[54] **IMAGE ANALYSIS**
[54] **ANALYSE D'IMAGES**
[72] HUANG, YIJUN, US
[73] EYEKOR, LLC, US
[85] 2017-09-26
[86] 2016-03-16 (PCT/US2016/022660)
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[30] US (62/138,485) 2015-03-26
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[25] EN
[54] **DYNAMIC NOTIFICATION ENGINE FOR NOTIFICATION THROTTLING BASED ON CONTEXTUAL ANALYSES**
[54] **MOTEUR DE NOTIFICATION DYNAMIQUE POUR ETRANGLEMENT DE NOTIFICATIONS EN FONCTION D'ANALYSES CONTEXTUELLES**
[72] LALKA, VIPUL KISHORE, CA
[72] WALIA, SARABJIT SINGH, CA
[72] LOUNSBURY, EDWARD ROBERT LUCAS, CA
[72] LEE, JOHN JONG-SUK, CA
[72] JAGGA, ARUN VICTOR, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2981429)
[87] (2981429)
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[51] **Int.Cl. H02J 1/00 (2006.01) H02J 1/10 (2006.01) H02J 7/10 (2006.01) H02M 3/40 (2006.01)**
[25] EN
[54] **MULTI-PORT CONVERTER STRUCTURE FOR DC/DC POWER CONVERSION**
[54] **STRUCTURE DE CONVERTISSEUR MULTI-PORT POUR CONVERSION DE COURANT CC/CC**
[72] LEHN, PETER WALDEMAR, CA
[72] RANJRAM, MIKE KAVIAN, CA
[72] HAN, YUANZHENG, CA
[73] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2017-10-24
[86] 2015-04-30 (PCT/CA2015/050361)
[87] (WO2015/164970)
[30] US (61/987,746) 2014-05-02

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[51] **Int.Cl. A61M 5/32 (2006.01)**
[25] EN
[54] **SAFETY DEVICE FOR PREVENTING NEEDLE STICK INJURY WITH A NEEDLE OF A MEDICAL DEVICE AND MEDICAL DEVICE**
[54] **DISPOSITIF DE SECURITE DESTINE A PREVENIR UNE BLESSURE PAR PIQURE D'AIGUILLE AVEC UNE AIGUILLE D'UN DISPOSITIF MEDICAL ET DISPOSITIF MEDICAL**
[72] CARREL, FRANCK, FR
[73] BECTON DICKINSON FRANCE, FR
[85] 2017-11-03
[86] 2016-06-07 (PCT/EP2016/062875)
[87] (WO2016/198387)
[30] EP (15305866.4) 2015-06-08
[30] EP (15306800.2) 2015-11-13

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[25] EN
[54] **FLUID INJECTOR TESTING SYSTEM**
[54] **SYSTEME DE VERIFICATION D'INJECTEUR DE FLUIDE**
[72] DESROCHERS, GUILLAUME, CA
[72] PROULX, MELICK, CA
[72] RAHAL, SAMI, CA
[73] GROUPE MELOCHE INC., CA
[86] (2985951)
[87] (2985951)
[22] 2017-11-17

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[13] C
[51] **Int.Cl. A01K 1/06 (2006.01)**
[25] EN
[54] **HEAD GATE FOR A CATTLE CONTAINMENT CHUTE**
[54] **PORTE CORNADIS DESTINEE A UNE CHUTE DE CONFINEMENT DE BETAIL**
[72] COMTE, ALAIN, CA
[73] COMTE, ALAIN, CA
[86] (2986987)
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[22] 2017-11-29

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[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **INTEGRATED GLOBAL TRACKING AND VIRTUAL INVENTORY SYSTEM**
[54] **SYSTEME INTEGRE D'INVENTAIRE VIRTUEL ET DE SUIVI MONDIAL**
[72] AMLING, ALAN, US
[72] POST, GEORGE R., US
[72] ZAMSKY, DAVID S., US
[72] RANKIN, KENNETH T., US
[72] MARCUS, STUART D., US
[72] WOODS, BRUCE L., US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
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[25] EN
[54] **PROCESSABLE POLYMER AND METHODS OF MAKING AND USING THEREOF**
[54] **POLYMERE TRAITABLE ET SES METHODES DE FABRICATION ET SES UTILISATIONS**
[72] REYNOLDS, JOHN ROBERT, US
[72] BULLOCH, RAYFORD H., US
[72] OSTERHOLM, ANNA M., US
[72] PONDER, JAMES F., JR., US
[73] GEORGIA TECH RESEARCH CORPORATION, US
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[51] **Int.Cl. G01N 19/02 (2006.01)**
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[54] **APPARATUS FOR MEASUREMENT OF ROAD SURFACE FRICTION**
[54] **APPAREIL DE MESURE DE LA FRICTION DE SURFACE DE LA ROUTE**
[72] BROWN, GLEN, CA
[73] BROWN, GLEN, CA
[86] (2994127)
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[22] 2018-02-07

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[25] EN
[54] **HEATING CONTROL METHOD AND HEATING CONTROL DEVICE FOR FOOD PROCESSOR**
[54] **METHODE DE CONTROLE DU CHAUFFAGE ET DISPOSITIF DE CONTROLE DU CHAUFFAGE DESTINES A UN APPAREIL DE TRAITEMENT ALIMENTAIRE**
[72] YIN, KUNREN, CN
[72] QIAO, WEIJUN, CN
[72] XU, SHUANGJIANG, CN
[72] CHEN, BIN, CN
[73] GUANGDONG MIDEA CONSUMER ELECTRICS MANUFACTURING CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
[85] 2018-02-02
[86] 2017-07-03 (PCT/CN2017/091502)
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[25] EN
[54] **TANGENTIAL FLOW FILTER SYSTEM FOR THE FILTRATION OF MATERIALS FROM BIOLOGIC FLUIDS**
[54] **SYSTEME DE FILTRATION A FLUX TANGENTIEL POUR LA FILTRATION DE MATERIAUX PROVENANT DE FLUIDES BIOLOGIQUES**
[72] MEYERING, EMILY ROLFES, US
[72] SEIM, GARY, US
[72] VASE, ABHI, US
[72] KREHBIEL, BEN, US
[72] HEDSTROM, BLAKE, US
[72] MCCABE, AARON, US
[73] MINNETRONIX, INC., US
[85] 2018-02-02
[86] 2016-06-09 (PCT/US2016/036626)
[87] (WO2017/023419)
[30] US (62/201,287) 2015-08-05

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[25] EN
[54] **COMPOSITE MATERIALS MOLDING METHOD, AND COMPOSITE MATERIALS**
[54] **PROCEDE DE MOULAGE D'UN MATERIAU COMPOSITE, ET MATERIAU COMPOSITE**
[72] SHIMONO, KODAI, JP
[72] TOKUTOMI, HIROSHI, JP
[72] KOKUMAI, KENSUKE, JP
[72] YAMAGISHI, YUSUKE, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2018-02-09
[86] 2016-12-02 (PCT/IB2016/057288)
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[51] **Int.Cl. B66C 1/10 (2006.01) B66D 1/60 (2006.01)**
[25] EN
[54] **WIND TURBINE BLADE REMOVAL AND INSTALLATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE RETRAIT ET D'INSTALLATION DE PALE DE TURBINE EOLIENNE**
[72] REYNOLDS, KEVIN, US
[72] BARNHART, ERIC, US
[72] DEPRIEST, WILLIAM PARKER, US
[72] PEPIN, THOMAS A., III, US
[73] BARNHART CRANE AND RIGGING CO., US
[85] 2018-03-05
[86] 2016-09-06 (PCT/US2016/050383)
[87] (WO2017/041090)
[30] US (62/214,758) 2015-09-04

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[51] **Int.Cl. G06F 21/62 (2013.01)**
[25] EN
[54] **SECURE FILE TRANSFER WITH SECURE SSH KEY AUTHENTICATION**
[54] **TRANSFERT DE FICHIERS SECURISE AVEC AUTHENTIFICATION SECURISEE PAR CLEF SSH**
[72] FORGUSON, DOUGLAS PAUL, US
[72] RATHORE, SACHIN KUMAR, IN
[72] SURVI, UDAY KUMAR, US
[72] DELLES, STEVEN, US
[73] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-03-27
[86] 2016-09-23 (PCT/US2016/053270)
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[30] US (14/867,253) 2015-09-28

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[54] **WIRELESS INFRARED SAFETY SENSOR FOR GARAGE DOOR OPENER SYSTEM**
[54] **CAPTEUR DE SECURITE INFRAROUGE SANS FIL POUR SYSTEME D'OUVERTURE DE PORTE DE GARAGE**
[72] TSUI, PHILIP Y.W., HK
[72] TSUI, GALLEN K.L., CA
[73] TSUI, PHILIP Y.W., HK
[73] TSUI, GALLEN K.L., CA
[85] 2018-04-06
[86] 2016-07-14 (PCT/CA2016/050832)
[87] (WO2017/008167)
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[51] **Int.Cl. A61M 39/00 (2006.01) A61M 39/16 (2006.01) A61M 39/22 (2006.01)**
[25] EN
[54] **VENT ADAPTOR ASSEMBLIES, METHODS OF MAKING THE SAME, METHODS OF USING THE SAME, AND URINARY DRAINAGE BAG SYSTEMS USING THE SAME**
[54] **ENSEMBLES D'ADAPTATEUR D'EVENT, PROCEDE DE FABRICATION DE CEUX-CI, PROCEDES D'UTILISATION DE CEUX-CI, ET SYSTEME DE POCHE DE VIDANGE URINAIRE UTILISANT CEUX-CI**
[72] GLITHERO, JASON IAIN, US
[72] SWEENEY, LYNDSAY ALISON, US
[72] PRIVITERA, SALVATORE, US
[73] C.R. BARD, INC., US
[85] 2018-04-17
[86] 2016-10-17 (PCT/US2016/057348)
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[30] US (62/248,505) 2015-10-30

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[54] **EDGE LIGHTED PANEL**
[54] **PANNEAU ECLAIRE SUR LE REBORD**
[72] TRESS, CHRISTOPHER MICHAEL, US
[73] REV-A-SHELF COMPANY, LLC, US
[86] (3003179)
[87] (3003179)
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[54] **METHOD AND DEVICE FOR DETERMINING AVAILABLE SERVICES**
[54] **METHODE ET DISPOSITIF DE DETERMINATION DES SERVICES DISPONIBLES**
[72] DESHPANDE, SACHIN G., US
[73] SHARP KABUSHIKI KAISHA, JP
[85] 2018-05-07
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[25] EN
[54] **CRYSTALLINE TRANSITION METAL OXY-HYDROXIDE MOLYBDOTUNGSTATE**
[54] **MATERIAU TUNGSTOMOLYBDIQUE, OXYHYDROXYDE DE METAL DE TRANSITION A STRUCTURE CRISTALLINE**
[72] MILLER, STUART, US
[72] KOSTER, SUSAN C., US
[73] UOP LLC, US
[85] 2018-05-07
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[54] **VEHICLE SPEED-BASED ANALYTICS**
[54] **ANALYSE BASEE SUR LA VITESSE D'UN VEHICULE**
[72] WALKER, MARY AMELIA, US
[72] CATRON, ROBERT, US
[72] HICKSON, NICHOLAS, US
[72] VAUGHAN, BRIAN, US
[72] MILNE, JAMES, US
[73] FREEPORT-MCMORAN INC., US
[85] 2018-05-22
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[54] **METHOD AND APPARATUS FOR NON-DESTRUCTIVE MEASUREMENT OF MODULUS OF ELASTICITY AND/OR THE COMPRESSIVE STRENGTH OF MASONRY SAMPLES**
[54] **PROCEDE ET APPAREIL DE MESURE NON DESTRUCTIVE DE MODULE D'ELASTICITE ET/OU DE CAPACITE ULTIME D'ECHANTILLONS DE MACONNERIE**
[72] COX, NEIL, CA
[72] BOOTH, JAMES, CA
[72] BRZEV, SVETLANA, CA
[72] KENNEDY, DIANE, CA
[72] MCEWEN, BILL, CA
[73] SOUNDQA SOLUTIONS INC., CA
[85] 2018-05-31
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[25] EN
[54] **DRUM FOR A TOWED ANTENNA, WINCH, TOWED ANTENNA AND WATER VEHICLE**
[54] **TAMBOUR POUR ANTENNE REMORQUEE, TREUIL, ANTENNE REMORQUEE ET VEHICULE AQUATIQUE**
[72] BOCHENTIN, THORSTEN, DE
[73] ATLAS ELEKTRONIK GMBH, DE
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[25] EN
[54] **STEEL PLATE FOR HIGH-STRENGTH AND HIGH-TOUGHNESS STEEL PIPES AND METHOD FOR PRODUCING STEEL PLATE**
[54] **PLAQUE D'ACIER DESTINEE A DES TUYAUX EN ACIER HAUTE RESISTANCE ET HAUTE DURETE, ET METHODE DE PRODUCTION DE LA PLAQUE D'ACIER**
[72] KIMURA, HIDEYUKI, JP
[72] NAGAO, RYO, JP
[72] ISHIKAWA, NOBUYUKI, JP
[72] HASE, KAZUKUNI, JP
[73] JFE STEEL CORPORATION, JP
[85] 2018-06-27
[86] 2017-01-23 (PCT/JP2017/002060)
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[30] JP (2016-015000) 2016-01-29

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[51] **Int.Cl. C10G 1/00 (2006.01) C10G 31/06 (2006.01)**
[25] EN
[54] **PRODUCTION OF DIESEL FROM CELLULOSIC BIOMASS**
[54] **PRODUCTION DE DIESEL A PARTIR DE LA BIOMASSE CELLULOSIQUE**
[72] MILOSEVIC, VESELIN, CA
[73] CELLUFUEL INC., CA
[86] (3010168)
[87] (3010168)
[22] 2018-07-03
[30] CA (2972311) 2017-07-06

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[25] EN
[54] **ARTIFICIAL CANDLE WITH FLAME SIMULATOR**
[54] **BOUGIE ARTIFICIELLE MUNIE D'UN SIMULATEUR DE FLAMME**
[72] HURDUC, LUCIAN, CA
[72] MARINIER, CARL, CA
[72] TARDY, PIERRE-MARC, CA
[73] STERNO HOME INC., CA
[85] 2018-07-13
[86] 2017-01-13 (PCT/IB2017/000079)
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[30] US (62/278,119) 2016-01-13
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[51] **Int.Cl. H03B 5/08 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **GENERATING LOCAL OSCILLATOR SIGNALS IN A WIRELESS SENSOR DEVICE**
[54] **GENERATION DE SIGNAUX D'OSCILLATEUR LOCAL DANS UN DISPOSITIF DE DETECTION SANS FIL**
[72] SINGH, RAHUL, CA
[72] PACE, TREVOR, CA
[72] MANKU, TAJINDER, CA
[73] COGNITIVE SYSTEMS CORP., CA
[85] 2018-07-24
[86] 2016-12-13 (PCT/CA2016/051463)
[87] (WO2017/147684)
[30] US (15/057,921) 2016-03-01

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[51] **Int.Cl. H04W 16/18 (2009.01)**
[25] EN
[54] **METHOD OF NETWORK PLANNING AND METHOD OF MINE PLANNING**
[54] **PROCEDE DE PLANIFICATION PAR RESEAU ET PROCEDE DE PLANIFICATION MINIERE**
[72] GARCIA, LUIS GUILHERME UZEDA, BR
[72] DE ALMEIDA, ERIKA PORTELA LOPES, DK
[72] LARRAD, IGNACIO RODRIGUEZ, DK
[72] BARBOSA, VIVIANE DA SILVA BORGES, BR
[72] CALDWELL, GEORGE, BR
[73] VALE S.A., BR
[85] 2018-08-01
[86] 2017-03-08 (PCT/BR2017/000030)
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[30] BR (102016005371-4) 2016-03-10

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[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01) A01C 15/04 (2006.01) B65G 53/06 (2006.01)**
[25] EN
[54] **SEED INDUCTOR APPARATUS**
[54] **DISPOSITIF INDUCTEUR DE SEMENCE**
[72] RIEDER, JAMI, CA
[72] JAGOW, SCOT, CA
[72] RICE, HAYDON, CA
[73] BOURGAULT INDUSTRIES LTD., CA
[86] (3016544)
[87] (3016544)
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[13] C
[51] **Int.Cl. G06Q 30/02 (2012.01) H04N 21/258 (2011.01) H04N 21/458 (2011.01) H04N 21/475 (2011.01)**
[25] EN
[54] **TARGETED VIDEO ADVERTISING**
[54] **PUBLICITE VIDEO CIBLEE**
[72] DMITRIEV, MIKHAIL, US
[72] LEE, NICHOLAS, US
[72] MOONKA, RAJAS, US
[72] GUPTA, MANISH, US
[73] GOOGLE LLC, US
[86] (3017075)
[87] (3017075)
[22] 2007-10-17
[62] 2,666,795
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[51] **Int.Cl. B61L 29/32 (2006.01)**
[25] EN
[54] **ADVANCED PREEMPTION USING THE WAYSIDE INSPECTOR AND WIRELESS MAGNETOMETER SENSORS**
[54] **PREEMPTION AVANCEE EMPLOYANT L'INSPECTION EN BORDURE ET DES CAPTEURS DE MAGNETOMETRE SANS FIL**
[72] TOSHACK, FREDERICK, CA
[73] SIEMENS MOBILITY LIMITED, CA
[86] (3017084)
[87] (3017084)
[22] 2018-09-11
[30] US (15/703412) 2017-09-13

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[51] **Int.Cl. F16K 31/46 (2006.01) E03B 7/12 (2006.01) E03C 1/04 (2006.01) F16K 1/32 (2006.01) F16K 35/06 (2006.01)**
[25] EN
[54] **MODULAR TWO-PART SILLCOCK**
[54] **ROBINET EXTERIEUR MODULAIRE EN DEUX PARTIES**
[72] ISMERT, DOMINIC P., US
[73] ISMERT, DOMINIC P., US
[86] (3017391)
[87] (3017391)
[22] 2018-09-14
[30] US (15/703,960) 2017-09-13

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[13] C
[51] **Int.Cl. B66C 11/00 (2006.01) B66C 11/04 (2006.01) B66C 11/06 (2006.01) B66D 3/04 (2006.01) B66D 3/06 (2006.01) B66D 3/08 (2006.01)**
[25] EN
[54] **CRANE TROLLEY**
[54] **CHARIOT DE GRUE**
[72] LINDBERG, TEPPO, FI
[73] KONECRANES GLOBAL CORPORATION, FI
[85] 2018-09-14
[86] 2017-03-29 (PCT/FI2017/050215)
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[25] EN
[54] **VAPOUR PROVISION DEVICE**
[54] **DISPOSITIF DE PRODUCTION DE VAPEUR**
[72] NETTENSTROM, MATTHEW JOEL, GB
[72] LEADLEY, DAVID, GB
[72] MCKEON, THOMAS MICHAEL, GB
[73] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2018-09-20
[86] 2017-03-21 (PCT/GB2017/050788)
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[51] **Int.Cl. G06F 3/16 (2006.01)**
[25] EN
[54] **REMOTE STREAMING AUDIO PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT AUDIO DE TRANSMISSION EN CONTINU A DISTANCE**
[72] BARRETT, CHRISTOPHER, US
[73] ACCESS ANALOG, LLC, US
[85] 2018-09-20
[86] 2017-03-17 (PCT/US2017/023018)
[87] (WO2017/165227)
[30] US (62/311,285) 2016-03-21
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[25] EN
[54] **RESILIENT FIXING ELEMENT AND A SKIRTING BOARD FIXING SYSTEM COMPRISING A SKIRTING BOARD AND SUCH A RESILIENT FIXING ELEMENT**
[54] **ELEMENT DE FIXATION ELASTIQUE, ET SYSTEME DE FIXATION DE PLINTHE COMPRENANT UNE PLINTHE ET UN TEL ELEMENT DE FIXATION**
[72] GALAS, ADAM, PL
[73] GALAS, ADAM, PL
[85] 2018-09-21
[86] 2017-04-04 (PCT/IB2017/051905)
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[54] **CABLE SHEATHING COMPOSITION**
[54] **COMPOSITION DE GAINAGE DE CABLE**
[72] SLEVIN, MIKE EDWARD, GB
[72] ROBERTS, DAVID GERAINT, US
[73] AEI COMPOUNDS LTD., GB
[73] SACO AEI POLYMERS, INC., US
[85] 2018-09-24
[86] 2018-02-23 (PCT/US2018/019428)
[87] (WO2018/160457)
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[51] **Int.Cl. B01D 5/00 (2006.01) B01D 21/26 (2006.01) B04B 3/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PROCESSING A VAPOR STREAM FROM A THERMAL DESORPTION PROCESS**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE FLUX DE VAPEUR D'UN PROCESSUS DE DESORPTION THERMIQUE**
[72] HOFFMAN, BARRY, CA
[73] CALAERIS ENERGY & ENVIRONMENT LTD., CA
[85] 2018-09-26
[86] 2017-04-19 (PCT/CA2017/050483)
[87] (WO2017/190227)
[30] US (62/330,950) 2016-05-03

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[25] EN
[54] **ARCHITECTURE FOR SINGLE RADIO FREQUENCY FEED FOR GNSS RECEIVER AND IRIDIUM MODEM**
[54] **ARCHITECTURE DE SOURCE DE FREQUENCE RADIO SIMPLE DESTINEE A UN RECEPTEUR GNSS ET UN MODEM IRIDIUM**
[72] RANA, NARAYAN SINGH, US
[72] GAUR, RATNESH KUMAR, US
[72] HARINARAYANA, KANCHARLA, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (3019780)
[87] (3019780)
[22] 2018-10-03
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[51] **Int.Cl. E04B 1/343 (2006.01)**
[25] EN
[54] **LINKING STRUCTURE FOR STUD FOR UNIT HOUSE**
[54] **STRUCTURE DE LIAISON POUR GOUJON POUR MAISON UNITAIRE**
[72] ANRAKU, HISAFUMI, JP
[72] KAMIYA, TADAMASA, JP
[72] NAKATSUKA, NAOTO, JP
[73] SANKYO FRONTIER CO., LTD., JP
[85] 2018-10-25
[86] 2017-04-25 (PCT/JP2017/016269)
[87] (WO2017/188208)
[30] JP (2016-090119) 2016-04-28

[11] **3,022,637**
[13] C
[51] **Int.Cl. H04W 4/20 (2018.01) H04L 12/26 (2006.01)**
[25] EN
[54] **INFORMATION TRANSMISSION METHOD AND DEVICE**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS, ET DISPOSITIF DE TRANSMISSION D'INFORMATIONS**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2018-10-29
[86] 2016-06-24 (PCT/CN2016/087095)
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[25] EN
[54] **WATERBORNE COMPOSITIONS AND COMPACT PROCESSES OF FORMING MULTI-COMPONENT COMPOSITE COATING COMPOSITIONS ON SUBSTRATES**
[54] **COMPOSITIONS A BASE D'EAU ET PROCEDES RAPIDES DE FORMATION DE COMPOSITIONS DE REVETEMENT COMPOSITE A PLUSIEURS COMPOSANTS SUR DES SUBSTRATS**
[72] WANG, WEI, US
[72] FENN, DAVID R., US
[72] HUI, CHINMING, US
[72] NIEDERST, CRAIG D., US
[72] ISTIVAN, STEPHEN BRIAN, US
[72] LIU, WENQING, CN
[72] MENG, XIAOJIE, CN
[72] SONG, LIMING, CN
[72] WANG, JUAN, CN
[72] WEI, WEI, CN
[72] XIE, IEI, CN
[72] HUANG, HAI RONG, CN
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2018-11-16
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[87] (WO2017/201257)
[30] US (62/337,908) 2016-05-18
[30] US (15/597,192) 2017-05-17

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[51] **Int.Cl. A24B 15/10 (2006.01)**
[25] EN
[54] **TOBACCO FILLING FOR NON-COMBUSTION-TYPE HEATING SMOKING ARTICLE**
[54] **REMPLISSAGE DE TABAC POUR ARTICLE A FUMER A CHAUFFAGE DE TYPE SANS COMBUSTION**
[72] ISHIKAWA, NOBUYUKI, JP
[72] TSUJI, MASAYUKI, JP
[72] SADAKARI, KEI, JP
[73] JAPAN TOBACCO INC., JP
[85] 2018-11-26
[86] 2016-05-27 (PCT/JP2016/065720)
[87] (WO2017/203689)

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[54] **DRY RUNNING END FACE MECHANICAL SEAL**
[54] **JOINT MECANIQUE DE FACE D'EXTREMITE FONCTIONNANT A SEC**
[72] MARTIN, JOSE G., US
[73] FLOWSERVE MANAGEMENT COMPANY, US
[85] 2018-12-21
[86] 2017-06-23 (PCT/US2017/039078)
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[30] US (15/194,826) 2016-06-28

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[51] **Int.Cl. A47F 3/04 (2006.01) F25D 17/06 (2006.01) F25D 21/14 (2006.01)**
[25] EN
[54] **MERCHANDISER**
[54] **PRESENTOIR**
[72] NAVARRO, MOISSES, US
[72] RAJAGOPALAN, ANAND GANESH, US
[72] PALAKSHA, SANDEEP, US
[72] ARROSAGARAY, AL, US
[72] EVDOKIMOFF, ALEX J., US
[73] HUSSMANN CORPORATION, US
[85] 2019-01-07
[86] 2017-07-07 (PCT/US2017/041259)
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[30] US (62/360,166) 2016-07-08

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[51] **Int.Cl. A61J 1/16 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **MEDICAMENT CONTAINER HOLDER FOR A MEDICAMENT DELIVERY DEVICE AND METHOD OF ASSEMBLYING A MEDICAMENT DELIVERY DEVICE**
[54] **SUPPORT DE RECIPIENT A MEDICAMENT POUR UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT ET PROCEDE D'ASSEMBLAGE D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] HOLMQVIST, ANDERS, SE
[73] SHL MEDICAL AG, CH
[85] 2019-01-09
[86] 2017-06-28 (PCT/EP2017/066032)
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[51] **Int.Cl. C08J 9/12 (2006.01) C08J 9/14 (2006.01)**
[25] EN
[54] **COPOLYMERS OF POLYETHYLENE AS BARRIER LAYERS FOR HFOS**
[54] **COPOLYMERES DE POLYETHYLENE AGISSANT COMME COUCHES D'ARRET POUR LES HYDROFLUOROLEFINES**
[72] KRESS, JURGEN, CH
[72] DAMBOWY, CHRISTIAN, CH
[73] BRUGG ROHR AG HOLDING, CH
[85] 2019-01-18
[86] 2017-07-11 (PCT/EP2017/067413)
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[51] **Int.Cl. B66B 7/02 (2006.01) B66B 9/08 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A PLATFORM LIFT RAIL**
[54] **PROCEDE DE FABRICATION D'UN RAIL DE PLATEFORME ELEVATRICE**
[72] SBRANA, FABIO, IT
[73] THYSSENKRUPP HOME SOLUTIONS S.R.L., IT
[73] THYSSENKRUPP AG, DE
[85] 2019-01-29
[86] 2017-08-14 (PCT/EP2017/070603)
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[54] **ELECTRODE ASSEMBLIES**
[54] **ENSEMBLES ELECTRODES**
[72] HO, KAM PIU, CN
[72] WANG, RANSHI, CN
[72] SHEN, PEIHUA, CN
[73] GRST INTERNATIONAL LIMITED, CN
[85] 2019-02-25
[86] 2017-09-08 (PCT/CN2017/101118)
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[54] **FIXING STRUCTURE OF SOLAR CELL MODULE**
[54] **STRUCTURE DE FIXATION DE MODULE PHOTOVOLTAIQUE**
[72] KOBAYASHI, SHUICHI, JP
[73] YANEGIJUTSUKENKYUJO CO., LTD., JP
[85] 2019-03-08
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[54] **DUAL CATALYST SYSTEM FOR PRODUCING LLDPE COPOLYMERS WITH A NARROW MOLECULAR WEIGHT DISTRIBUTION AND IMPROVED PROCESSABILITY**
[54] **SYSTEME A DOUBLE CATALYSEUR POUR LA PRODUCTION DE COPOLYMERES DE LLDPE A REPARTITION ETROITE DE MASSES MOLECULAIRES ET A APTITUDE AU TRAITEMENT AMELIOREE**
[72] HLAVINKA, MARK L., US
[72] TSO, CHUNG CHING, US
[72] INN, YONGWOO, KR
[72] GAGAN, DELORIS R., US
[72] MUNINGER, RANDALL S., US
[73] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[85] 2019-04-11
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[54] **SYSTEM FOR AND METHOD OF MANUFACTURING HEMP PRODUCTS**
[54] **SYSTEME ET PROCEDE DE FABRICATION DE PRODUITS DE CHANVRE**
[72] WILSON, GREGORY A., US
[73] WILSON, GREGORY A., US
[85] 2019-04-25
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[54] **LAME DE BATON DE HOCKEY AVEC OSSATURE DE RENFORCEMENT**
[72] DAVIS, STEPHEN J., US
[73] BAUER HOCKEY LTD., CA
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[54] **COMBINATION THERAPY COMPRISING AN INFLAMMATORY IMMUNOCYTOKINE AND A CHIMERIC ANTIGEN RECEPTOR (CAR)-T CELL**
[54] **POLYTHERAPIE COMPRENANT UNE IMMUNOCYTOKINE INFLAMMATOIRE ET UN LYMPHOCYTE T A RECEPTEUR D'ANTIGENES CHIMERIQUES (CAR)**
[72] BERDEL, WOLFGANG, DE
[72] ROSSIG, CLAUDIA, DE
[72] SCHLIEMANN, CHRISTOPH, DE
[72] ALTVATER, BIANCA, DE
[72] KAILAYANGIRI, SAREETHA, DE
[73] PHILOGEN S.P.A., IT
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[54] **THREAD MILLING CUTTER**
[54] **FRAISE DE FILETAGE**
[72] YODA, TOMONORI, JP
[73] OSG CORPORATION, JP
[85] 2019-06-05
[86] 2017-01-18 (PCT/JP2017/001605)
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[25] EN
[54] **METHOD OF CATALYST REDUCTION IN A HYDROGEN PLANT**
[54] **METHODE DE REDUCTION D'UN CATALYSEUR DANS UNE USINE A HYDROGENE**
[72] WARTA, ANDREW M., US
[72] RAYBOLD, TROY M., US
[72] BARNES, DAVID R., JR., US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2019-06-10
[86] 2017-12-13 (PCT/US2017/065970)
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[30] US (15/379,610) 2016-12-15

[11] **3,049,668**
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[54] **RETAINING WALL BLOCK**
[54] **BLOC DE MUR DE SOUTENEMENT**
[72] NESS, JEFFREY A., US
[73] PACIFIC COAST BUILDING PRODUCTS, INC., US
[86] (3049668)
[87] (3049668)
[22] 2019-07-15
[30] US (16/038,043) 2018-07-17

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[54] **BLOCKCHAIN DATA PROTECTION BASED ON GENERIC ACCOUNT MODEL AND HOMOMORPHIC ENCRYPTION**
[54] **PROTECTION DE DONNEES DE CHAINE DE BLOCS REPOSANT SUR UN MODELE DE COMPTE GENERIQUE ET UN CHIFFREMENT HOMOMORPHE**
[72] ZHANG, WENBIN, CN
[72] MA, BAOLI, CN
[72] MA, HUANYU, CN
[73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
[85] 2019-07-17
[86] 2018-12-21 (PCT/CN2018/122573)
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[25] EN
[54] **WELLBORE REAMING TOOL HAVING SHEAR CUTTERS AND GOUGING CUTTERS**
[54] **OUTIL D'ALESAGE DE PUITS DE FORAGE AYANT DES LAMES DE CISAILLEMENT ET DES LAMES D'ATTAQUE PAR LE MUR**
[72] HERMAN, JOHN, CA
[72] HOFFMASTER, CARL, US
[72] NEVLUD, KENNETH, US
[72] KELLEY, JASON, CA
[72] CAREY, SHON, CA
[73] SHEAR BITS, LTD., CA
[85] 2019-08-01
[86] 2018-02-02 (PCT/IB2018/050680)
[87] (WO2018/146586)
[30] US (62/456,796) 2017-02-09

[11] **3,056,553**
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[51] **Int.Cl. C08L 79/04 (2006.01) C08J 5/24 (2006.01) C08K 3/36 (2006.01) C08L 21/00 (2006.01) C08L 51/04 (2006.01)**
[25] EN
[54] **CYANATE ESTER RESIN COMPOSITION AND PREPREG**
[54] **COMPOSITION DE RESINE D'ESTER DE CYANATE ET PREIMPREGNE**
[72] IWATA, MITSUHIRO, JP
[72] KAMIMURA, YUKIHIRO, JP
[72] ITO, TOMOHIRO, JP
[73] THE YOKOHAMA RUBBER CO., LTD., JP
[85] 2019-09-13
[86] 2018-02-28 (PCT/JP2018/007445)
[87] (WO2018/168461)
[30] JP (2017-046905) 2017-03-13

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[51] **Int.Cl. H04W 88/18 (2009.01) H04W 24/00 (2009.01)**
[25] EN
[54] **MONITORING SYSTEM FOR A CELLULAR TELEPHONE NETWORK**
[54] **SYSTEME DE SURVEILLANCE DE RESEAU TELEPHONIQUE CELLULAIRE**
[72] KISSLING, CHRISTIAN, US
[73] SYSTEMS AND SOFTWARE ENTERPRISES, LLC, US
[85] 2019-09-16
[86] 2018-03-16 (PCT/US2018/022958)
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[30] US (62/472,227) 2017-03-16

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[25] EN
[54] **THREE-DIMENSIONALIZATION OF FIFTH GENERATION COMMUNICATION**
[54] **MISE EN TROIS DIMENSIONS D'UNE COMMUNICATION DE CINQUIEME GENERATION**
[72] MIYAKAWA, JUNICHI, JP
[72] KIMURA, KIYOSHI, JP
[73] SOFTBANK CORP., JP
[85] 2019-09-19
[86] 2018-03-17 (PCT/JP2018/010663)
[87] (WO2018/173983)
[30] JP (2017-054957) 2017-03-21

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[13] C
[51] **Int.Cl. E21B 47/12 (2012.01) G01L 19/08 (2006.01) G21F 5/005 (2006.01) G21F 5/015 (2006.01) G21F 5/018 (2006.01) G21F 5/06 (2006.01) G21F 5/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR NUCLEAR WASTE STORAGE AND MONITORING**
[54] **PROCEDE ET SYSTEME DE STOCKAGE ET DE SURVEILLANCE DE DECHETS NUCLEAIRES**
[72] DOWNEY, MARLAN, US
[73] MWD-IP HOLDINGS, LLC, US
[85] 2019-09-20
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[30] US (15/480,909) 2017-04-06

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[25] EN
[54] **RESERVE POWER SUPPLY WITH ELECTRODE PLATES CLIPPING WITH AUXILIARY CONDUCTORS**
[54] **ALIMENTATION DE SECOURS AVEC PLAQUES D'ELECTRODE CLIPSEES A DES CONDUCTEURS AUXILIAIRES**
[72] YANG, TAI-HER, CN
[73] YANG, TAI-HER, CN
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[25] EN
[54] **FLUIDIC PERISTALTIC LAYER PUMP**
[54] **POMPE A COUCHE PERISTALTIQUE FLUIDIQUE**
[72] HAUPT, REMUS BRIX ANDERS, US
[73] HAUPT, REMUS BRIX ANDERS, US
[85] 2019-10-23
[86] 2017-04-26 (PCT/US2017/029653)
[87] (WO2017/189735)
[30] US (62/327,560) 2016-04-26

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[51] **Int.Cl. A44B 1/14 (2006.01)**
[25] EN
[54] **BUTTON COVER AND METHOD OF USE**
[54] **CACHE-BOUTON ET PROCEDE D'UTILISATION**
[72] PATTERSON, JESSICA M., US
[72] WILLI KARL GERHARD BOSCH, MARCUS, US
[73] PATTERSON, JESSICA M., US
[85] 2019-10-28
[86] 2017-12-13 (PCT/US2017/066189)
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[30] US (62/434,001) 2016-12-14
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[51] **Int.Cl. G06F 1/04 (2006.01) G06F 1/12 (2006.01)**
[25] EN
[54] **CLOCK FREQUENCY CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE FREQUENCE D'HORLOGE**
[72] MARTIN, ANDREW L., US
[72] PALMER, DAVID W., US
[73] RAYTHEON COMPANY, US
[85] 2019-11-19
[86] 2018-02-06 (PCT/US2018/017054)
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[54] **CHARGING STATION**
[54] **STATION DE CHARGEMENT**
[72] STEFAN, HELNERUS, DE
[72] WAFFNER, JURGEN, DE
[73] INNOGY SE, DE
[85] 2019-12-13
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[87] (WO2018/228731)
[30] DE (10 2017 113 224.4) 2017-06-16

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[54] **SUBMERSIBLE PUMP ASSEMBLY WITH A SEALED MOTOR**
[54] **INSTALLATION DE POMPE IMMERGEE AVEC MOTEUR ETANCHE**
[72] PESHCHERENKO, MARINA PETROVNA, RU
[72] PESHCHERENKO, SERGEJ NIKOLAEVICH, RU
[72] LYKOVA, NATALYA ANATOLEVNA, RU
[73] AKTSIONERNOE OBSHCHESTVO "NOVOMET-PERM", RU
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[25] EN
[54] **ENCAPSULATED NANOCOMPOSITIONS FOR INCREASING HYDROCARBON RECOVERY**
[54] **NANOCOMPOSITIONS ENCAPSULEES POUR AUGMENTER LA RECUPERATION D'HYDROCARBURES**
[72] CHANG, YUN, SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[86] (3072927)
[87] (3072927)
[22] 2016-04-08
[62] 2,979,751
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[51] **Int.Cl. A61K 31/407 (2006.01) A61K 31/135 (2006.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **SYNERGISTIC PHARMACEUTICAL COMBINATION OF THE ACTIVE ENANTIOMER S-KETOROLAC TROMETHAMINE AND TRAMADOL CHLORHYDRATE**
[54] **COMBINAISON PHARMACEUTIQUE SYNERGIQUE DE L'ENANTIOMERE ACTIF S-KETOROLAC TROMETHAMINE ET DE CHLORHYDRATE DE TRAMADOL**
[72] GARCIA ARMENTA, PATRICIA DEL CARMEN, MX
[73] AMEZCUA AMEZCUA, FEDERICO, MX
[73] AMEZCUA AMEZCUA, CARLOS, MX
[85] 2020-02-14
[86] 2019-01-22 (PCT/MX2019/000003)
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[30] MX (MX/a/2018/000963) 2018-01-22

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[13] C
[51] **Int.Cl. E05F 5/00 (2017.01)**
[25] EN
[54] **IMPROVED DOOR CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE PORTIERE AMELIORE**
[72] MIU, TRAIAN, CA
[72] ENGLISH, MITCHELL, CA
[72] BANJONGPANITH, PASIT, CA
[72] BROADHEAD, DOUGLAS, CA
[73] WARREN INDUSTRIES LTD., CA
[86] (3079472)
[87] (3079472)
[22] 2017-12-01
[62] 3,045,930
[30] US (62/429,028) 2016-12-01

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[51] **Int.Cl. F16D 49/16 (2006.01) A61B 90/35 (2016.01) A61B 90/50 (2016.01) F16D 65/12 (2006.01) F16M 11/06 (2006.01) F16M 13/02 (2006.01) F21V 21/26 (2006.01)**
[25] EN
[54] **AUTOMATICALLY ACTUATED SPLIT-COLLAR ACTIVE MECHANICAL BRAKE FOR SURGICAL LIGHTING SYSTEMS**
[54] **FREIN MECANIQUE ACTIF A COLLIER EN DEUX PIECES ET A ACTIONNEMENT AUTOMATIQUE, DESTINE A DES SYSTEMES D'ECLAIRAGE CHIRURGICAL**
[72] PUTERBAUGH, NICHOLAS G., US
[72] MOHR, CHRISTOPHER R., US
[73] AMERICAN STERILIZER COMPANY, US
[85] 2020-05-04
[86] 2018-08-30 (PCT/US2018/048776)
[87] (WO2019/094093)
[30] US (15/809,117) 2017-11-10

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[13] C
[51] **Int.Cl. H02G 3/08 (2006.01) H02G 3/14 (2006.01)**
[25] EN
[54] **JUNCTION BOXES WITH WRAP-AROUND COMPARTMENTS**
[54] **BOITES DE JONCTION A COMPARTIMENTS ENVELOPPANTS**
[72] LOPEZ-MARTINEZ, GILBERTO URIEL, US
[72] SOUTH, DANIEL, US
[72] LASSEN, ANDREW, US
[73] ELEMENTAL LED, INC., US
[85] 2020-05-26
[86] 2018-09-25 (PCT/US2018/052629)
[87] (WO2019/118044)
[30] US (62/597,541) 2017-12-12
[30] US (62/614,191) 2018-01-05
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Canadian Applications Open to Public Inspection

November 1, 2020 to November 7, 2020

Demandes canadiennes mises à la disponibilité du public

1 novembre 2020 au 7 novembre 2020

[21] **3,041,876**
[13] A1
[51] **Int.Cl. H02M 3/335 (2006.01) B60L 53/20 (2019.01) B60L 55/00 (2019.01) H02M 1/08 (2006.01)**
[25] FR
[54] **ISOLATED AND BIDIRECTIONAL DC DC CONVERTER WITH HYBRID CONTROL**
[54] **CONVERTISSEUR DC/DC ISOLE ET BIDIRECTIONNEL AVEC CONTROLE HYBRIDE**
[72] ZGHEIB, RAWAD, CA
[72] AL-HADDAD, KAMAL, CA
[72] KAMWA, INNOCENT, CA
[71] HYDRO-QUEBEC, CA
[22] 2019-05-01
[41] 2020-11-01

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[21] **3,041,877**
[13] A1
[51] **Int.Cl. G01P 5/00 (2006.01) G01F 1/704 (2006.01) G01W 1/00 (2006.01) G01W 1/10 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MEASURING VELOCITY PERTURBATIONS IN A FLUID**
[54] **APPAREIL ET PROCEDE POUR MESURER LES PERTURBATIONS DE LA VITESSE DANS UN LIQUIDE**
[72] RIVAL, DAVID, CA
[72] GALLER, JOSHUA, CA
[71] RIVAL, DAVID, CA
[71] GALLER, JOSHUA, CA
[22] 2019-05-01
[41] 2020-11-01

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[21] **3,041,882**
[13] A1
[51] **Int.Cl. G06F 16/00 (2019.01)**
[25] EN
[54] **RESEARCH AND COMMUNICATIONS APPLIED TECHNOLOGICAL SYSTEM**
[54] **SYSTEME TECHNOLOGIQUE APPLIQUE A LA RECHERCHE ET AUX COMMUNICATIONS**
[72] SHERLOCK, RODERICK A., CA
[71] SHERLOCK, RODERICK A., CA
[22] 2019-05-01
[41] 2020-11-01

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[21] **3,041,887**
[13] A1
[51] **Int.Cl. F16B 12/18 (2006.01) E04C 5/16 (2006.01) F16B 5/02 (2006.01)**
[25] EN
[54] **REINFORCING HARDWARE FOR WOODEN HOUSING**
[54] **MATERIEL DE RENFORT POUR BOITIER EN BOIS**
[72] TANEICHI, KAORU, JP
[71] TANEICHI, KAORU, JP
[22] 2019-05-01
[41] 2020-11-01

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[21] **3,042,058**
[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 20/10 (2018.01) A47B 67/02 (2006.01) A47B 81/00 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISPENSING MEDICATION**
[54] **SYSTEME ET PROCEDE POUR LA DISTRIBUTION DE MEDICAMENTS**
[72] CHURCHMAN, JEFFREY PAUL, CA
[72] GINGERICH, BRENT LEROY, CA
[72] MOORE, DARRYL HUGH, CA
[71] HOGAN PHARMACY PARTNERS LTD., CA
[22] 2019-05-02
[41] 2020-11-02

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[21] **3,042,061**
[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01) E01H 5/12 (2006.01)**
[25] EN
[54] **ROAD CLEARING APPARATUS**
[54] **APPAREIL DE NETTOYAGE DES ROUTES**
[72] BANNERMAN, GREGORY D., CA
[72] BANNERMAN, ANNETTE L., CA
[71] BANNERMAN, GREGORY D., CA
[71] BANNERMAN, ANNETTE L., CA
[22] 2019-05-02
[41] 2020-11-01
[30] US (16400507) 2019-05-01

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[21] **3,042,114**
[13] A1
[51] **Int.Cl. B27G 13/00 (2006.01) A01G 23/093 (2006.01) B23D 13/00 (2006.01)**
[25] EN
[54] **PLANER HEAD**
[54] **TETE DE RABOTEUSE**
[72] GRENIER, GUILLAUME, CA
[72] MCNEIL, ANTOINE, CA
[72] AUBE, GUILLAUME, CA
[72] LEVASSEUR, CLERMONT, CA
[71] DK-SPEC INC., CA
[22] 2019-05-01
[41] 2020-11-01

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[21] **3,042,163**
[13] A1
[51] **Int.Cl. B65D 19/12 (2006.01) B65D 19/08 (2006.01) B65D 19/38 (2006.01)**
[25] EN
[54] **SAFETY KRATE**
[54] **CASIER DE SECURITE**
[72] BELBECK, JEREMY, CA
[72] DIDRIKSEN, NILS, CA
[71] BELBECK, JEREMY, CA
[71] DIDRIKSEN, NILS, CA
[22] 2019-05-03
[41] 2020-11-03

[21] **3,042,188**
[13] A1
[51] **Int.Cl. A47J 36/26 (2006.01) A47J 36/02 (2006.01)**
[25] EN
[54] **FOOD STATION COOKING OR WATER TRAY/PAN/CHAFING DISH WITH HEAT RESISTANT AND FLAME RESISTANT/RETARDANT WRAP, ROLL, TAPE, BAND OR PRINT DECOR AND STICKERS/EMBELLISHMENTS**
[54] **RECHAUD/PLAQUE/PLATEAU POUR LA CUISSON OU POUR L'EAU DOTE D'UN ROULEAU, RUBAN, BANDE OU DECORATION D'IMPRESSION ET D`AUTOCOLLANTS/EMBELLISSEMENTS RESISTANTS A LA CHALEUR ET IGNIFUGES**
[72] GIRARD, LORRAINE, US
[71] GIRARD, LORRAINE, US
[22] 2019-05-03
[41] 2020-11-03

[21] **3,042,194**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 1/04 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH2TNV**
[54] **MAIS AUTOGAME PH2TNV**
[72] COLEMAN, TRAVIS KORRY, CA
[72] GARCIA, GUSTAVO MARCELO, CA
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2019-05-03
[41] 2020-11-03

[21] **3,042,327**
[13] A1
[51] **Int.Cl. B60P 3/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **LOAD HAULER**
[54] **CAMION DE TRANSPORT DE CHARGE**
[72] BREAULT, DEREK, CA
[71] PARADOX ACCESS SOLUTIONS INC., CA
[22] 2019-05-06
[41] 2020-11-06

[21] **3,042,350**
[13] A1
[51] **Int.Cl. H01R 4/66 (2006.01) H01R 4/28 (2006.01)**
[25] EN
[54] **LOCKING GROUNDING CLAMP**
[54] **COLLIER DE MASSE DE VERROUILLAGE**
[72] O'CONNELL, DANIEL NEIL, CA
[72] QUAEDVLIEG, PHILLIP HOWARD, CA
[72] WABNEGGER, DAVID KARL, CA
[72] TOTH, JANOS CSABA, CA
[72] TRIP, IAN EDWARD, CA
[72] HOWARTH, RONALD F., CA
[72] NEPOMUCENO, JOLLY VINCENT PANGAN, CA
[72] WICKS, ROBERT DALE, CA
[71] QUANTA ASSOCIATES, L.P., US
[22] 2019-05-06
[41] 2020-11-06

[21] **3,042,361**
[13] A1
[51] **Int.Cl. G06F 21/31 (2013.01) G06F 21/60 (2013.01)**
[25] EN
[54] **LIVE USER AUTHENTICATION DEVICE, SYSTEM AND METHOD AND FRAUD OR COLLUSION PREVENTION USING SAME**
[54] **DISPOSITIF, SYSTEME ET PROCEDE D'AUTHENTIFICATION D'UTILISATEUR EN DIRECT, ET PREVENTION DE LA FRAUDE OU CONNIVENCE AU MOYEN DESDITS DISPOSITIF, SYSTEME ET PROCEDE**
[72] RANJAN, ABHISHEK, CA
[72] HOLLINGER, AVRUM DOUGLAS, CA
[72] HOSSEINI, MASOUD, CA
[72] ETEMADZADEH, SHAHIN, CA
[72] OUNG, STEPHEN, CA
[71] NYMI INC., CA
[22] 2019-05-06
[41] 2020-11-06

[21] **3,042,450**
[13] A1
[51] **Int.Cl. G01N 35/02 (2006.01) G01N 1/38 (2006.01) G01N 21/79 (2006.01) G01N 31/16 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **AUTOMATED METHYLENE BLUE INDEX ANALYSIS OF TAILINGS MATERIALS**
[54] **ANALYSE AUTOMATISEE A INDICE DE BLEU DE METHYLENE DESTINEE AUX RESIDUS**
[72] RIZVI, SYED KHURRAM, CA
[72] ORTIZ, LAURA, CA
[71] SUNCOR ENERGY INC., CA
[22] 2019-05-07
[41] 2020-11-07

[21] **3,042,462**
[13] A1
[51] **Int.Cl. E04B 1/343 (2006.01) B66C 1/66 (2006.01) E04B 1/348 (2006.01) E04H 1/00 (2006.01)**
[25] EN
[54] **PREFABRICATED BUILDING MODULE AND METHODS OF BUILDING AND USING SAME**
[54] **MODULE DE BATIMENT PREFABRIQUE ET PROCEDES DE CONSTRUCTION ET D'UTILISATION DUDIT MODULE**
[72] KEAN, REJEAN, CA
[71] GESTION ET INVESTISSEMENT R-KEAN INC., CA
[22] 2019-05-06
[41] 2020-11-06

[21] **3,042,479**
[13] A1
[51] **Int.Cl. A41D 11/00 (2006.01)**
[25] EN
[54] **BAZIPOOSH (PLAY WORN)**
[54] **BAZIPOOSH (A PORTER POUR JOUER)**
[72] SAFARINEZHAD, MARZIYEH PARYA, IR
[71] SAFARINEZHAD, MARZIYEH PARYA, IR
[22] 2019-05-07
[41] 2020-11-07

[21] **3,042,486**
[13] A1
[51] **Int.Cl. E06B 1/04 (2006.01) E06B 1/36 (2006.01) E06B 1/52 (2006.01)**
[25] EN
[54] **POST AND BEAM FRAMING COMPONENT**
[54] **COMPOSANTE DE CHARPENTES A POTEAUX ET POUTRES**
[72] VIENS, MAURICE, CA
[71] VIENS, MAURICE, CA
[22] 2019-05-07
[41] 2020-11-01
[30] US (62/841,701) 2019-05-01

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[21] **3,042,494**
[13] A1
[51] **Int.Cl. E04C 5/06 (2006.01) E04C 5/18 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **PREFABRICATED STRUCTURAL REINFORCEMENTS**
[54] **RENFORT STRUCTURAL PREFABRIQUE**
[72] VERHEY, TIMOTHY, CA
[71] WALTERS INC., CA
[22] 2019-05-07
[41] 2020-11-07

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[21] **3,042,549**
[13] A1
[51] **Int.Cl. B27M 3/16 (2006.01)**
[25] FR
[54] **ROLLED LAMINATED HANDLE - 2**
[54] **MANCHE LAMINE ROULE - 2**
[72] CANTIN, MARTIAL, CA
[71] CANTIN, MARTIAL, CA
[22] 2019-05-06
[41] 2020-11-06

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[21] **3,042,597**
[13] A1
[51] **Int.Cl. B60P 7/02 (2006.01) B62D 33/04 (2006.01)**
[25] EN
[54] **FOLDING TONNEAU COVER HAVING SECURED FLEXIBLE HINGE**
[54] **COUVERCLE DE TONNEAU PLIANT DOTE D`UNE CHARNIERE FLEXIBLE FIXEE**
[72] SCHMEICHEL, CHARLES M., US
[72] BOHN, BRENDAN T., US
[71] AGRI-COVER, INC., US
[22] 2019-05-08
[41] 2020-11-03
[30] US (62/843,357) 2019-05-03

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[21] **3,042,657**
[13] A1
[51] **Int.Cl. G01M 17/013 (2006.01) G01N 23/2206 (2018.01) B60S 5/00 (2006.01) G01N 23/223 (2006.01)**
[25] EN
[54] **INTEGRATED SYSTEM FOR ASSESSING INTEGRITY OF WHEELS AND RIMS OF OFF THE ROAD VEHICLES**
[54] **SYSTEME INTEGRE POUR EVALUER L'INTEGRITE DES ROUES ET DES JANTES DES VEHICULES HORS ROUTE**
[72] SHUMKA, THOMAS, CA
[72] SHUMKA, JASON, CA
[71] OTR WHEEL SAFETY, INC., CA
[22] 2019-05-06
[41] 2020-11-06

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[21] **3,042,659**
[13] A1
[51] **Int.Cl. A41D 27/20 (2006.01) A41D 1/00 (2018.01)**
[25] EN
[54] **POCKET FOR A GARMENT**
[54] **POCHE DESTINEE A UN VETEMENT**
[72] LAZIC, NATASA, CA
[71] LULULEMON ATHLETICA CANADA INC., CA
[22] 2019-05-06
[41] 2020-11-06

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[21] **3,048,699**
[13] A1
[51] **Int.Cl. G06F 16/245 (2019.01) G06F 16/28 (2019.01)**
[25] EN
[54] **JOIN PATTERN AGNOSTIC AGGREGATE COMPUTATION IN DATABASE QUERY OPERATIONS**
[54] **CALCUL AGREGE AGNOSTIQUE DES TENDANCES COMMUNES DANS LES ACTIVITES DE REQUETE DANS LA BASE DE DONNEES**
[72] TABB, LLOYD, US
[72] TALBOT, STEVEN, US
[71] LOOKER DATA SCIENCES, INC., US
[22] 2019-07-05
[41] 2020-11-03
[30] US (16/403,492) 2019-05-03

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[21] **3,051,298**
[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01) G06Q 30/02 (2012.01) G09F 9/30 (2006.01)**
[25] EN
[54] **DISPLAYING CONTENT ON AN ELECTRONIC DISPLAY BASED ON AN ENVIRONMENT OF THE ELECTRONIC DISPLAY**
[54] **CONTENU SUR UN AFFICHAGE ELECTRONIQUE EN FONCTION DE L`ENVIRONNEMENT DE L`AFFICHAGE ELECTRONIQUE**
[72] LEWIS, EDWARD VICTOR RITCHIE, CA
[72] ENGLISH, MICHAEL, CA
[72] MURUGASEN, MATHAN, IN
[72] VEERASANGAPPA KADI, VIRESH, IN
[72] RUSAK, JOSHUA DAVID, CA
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2019-08-07
[41] 2020-11-07
[30] US (16/405,820) 2019-05-07

[21] **3,052,743**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) H04W 4/029 (2018.01)**
[25] EN
[54] **ADAPTIVE COMMODITY DELIVERY DISPATCH**
[54] **REPARTITION ADAPTATIVE DE LA LIVRAISON DE MARCHANDISES**
[72] UNKNOWN, XX
[71] NORTH STAR SYSTEMS INC., CA
[22] 2019-08-22
[41] 2020-11-04

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[21] **3,053,149**
[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) B82Y 30/00 (2011.01) C03C 25/106 (2018.01) C03C 25/42 (2006.01) G01B 11/16 (2006.01) G01D 5/26 (2006.01) G01K 11/32 (2006.01) G01N 21/00 (2006.01) G01T 3/00 (2006.01)**
[25] EN
[54] **BORON NITRIDE NANOTUBE COATED OPTICAL WAVEGUIDE AND USES THEREOF**
[54] **GUIDE D'ONDES OPTIQUE REVETU DE NANOTUBE DE NITRURE DE BORE ET UTILISATION DUDIT GUIDE D'ONDES OPTIQUE**
[72] GUAN, JINGWEN, CA
[72] SIMARD, BENOIT, CA
[72] LU, PING, CA
[72] DING, HUIMIN, CA
[72] MIHAILOV, STEPHEN, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[22] 2019-08-27
[41] 2020-11-01
[30] US (62/842,191) 2019-05-02
[30] US (62/841,779) 2019-05-01

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[21] **3,062,667**
[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01) A47B 5/00 (2006.01) B60N 3/00 (2006.01) B61D 37/00 (2006.01)**
[25] EN
[54] **PASSENGER SUITE WITH TABLE MECHANISM WITH VERTICAL, TRANSLATIONAL AND ROTATIONAL ADJUSTMENT**
[54] **SALON DE PASSAGER AVEC MECANISME DE TABLE AVEC REGLAGE VERTICAL TRANSLATORIEL ET ROTATIF**
[72] FROST, IAN L., US
[72] OVERHISER, GERRY J., US
[71] B/E AEROSPACE, INC., US
[22] 2019-11-26
[41] 2020-11-07
[30] US (62/844,497) 2019-05-07
[30] US (62/844,517) 2019-05-07
[30] US (16/542,725) 2019-08-16

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[21] **3,064,931**
[13] A1
[51] **Int.Cl. G01L 19/14 (2006.01)**
[25] EN
[54] **PRESSURE TRANSDUCER INCLUDING KOVAR INTEGRATED PACKAGES**
[54] **TRANSDUCTEUR DE PRESSION Y COMPRIS DES PAQUETS INTEGRES DE KOVAR**
[72] GOLDEN, JIM, US
[72] POTASEK, DAVID P., US
[72] STUELKE, ROBERT, US
[71] ROSEMOUNT AEROSPACE INC., US
[22] 2019-12-11
[41] 2020-11-06
[30] US (16/403,743) 2019-05-06

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[21] **3,069,207**
[13] A1
[51] **Int.Cl. B41F 17/36 (2006.01) A61J 3/00 (2006.01) A61J 3/07 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR LASER MARKING PHARMACEUTICAL CAPSULES DURING MANUFACTURING**
[54] **PROCEDES ET SYSTEMES DE MARQUAGE LASER DE CAPSULES PHARMACEUTIQUES PENDANT LA FABRICATION**
[72] LUKAS, PAUL, CA
[72] URSACHI, STELIAN, CA
[72] STECKO, THOMAS, CA
[71] TECHNOPHAR EQUIPMENT AND SERVICE (2007) LTD., CA
[22] 2020-01-21
[41] 2020-11-01
[30] US (62/841,393) 2019-05-01

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[21] **3,070,162**
[13] A1
[51] **Int.Cl. A01G 23/091 (2006.01)**
[25] EN
[54] **IMPROVED THINNING OR CLEARCUT HEAD**
[54] **TETE D`ECLAIRCIE OU DE COUPE A BLANC AMELIOREE**
[72] PHILLIPS, GARY, US
[71] PHILLIPS, GARY, US
[22] 2020-01-29
[41] 2020-11-07
[30] US (16404817) 2019-05-07

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[21] **3,070,358**
[13] A1
[51] **Int.Cl. G06Q 90/00 (2006.01) G06Q 50/14 (2012.01)**
[25] EN
[54] **TRAVEL PREFERENCE PROCESS**
[54]
[72] LAUGA, NICHOLAS, CA
[71] LAUGA, NICHOLAS, CA
[22] 2020-03-09
[41] 2020-11-02

[21] **3,070,845**
[13] A1
[51] **Int.Cl. B64C 3/56 (2006.01) B64C 5/08 (2006.01)**
[25] EN
[54] **AIRCRAFT HAVING FOLDABLE WINGS**
[54] **AERONEF A AILES REPLIABLES**
[72] GOOD, MARK STEVEN, US
[72] WALKER, STEVEN PAUL, US
[71] THE BOEING COMPANY, US
[22] 2020-02-03
[41] 2020-11-03
[30] US (62/843,021) 2019-05-03
[30] US (16/680,037) 2019-11-11

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[21] **3,073,249**
[13] A1
[51] **Int.Cl. G01B 21/20 (2006.01) B64F 5/60 (2017.01) G06F 30/10 (2020.01) G06F 30/20 (2020.01)**
[25] EN
[54] **DETERMINING SERVICABILITY AND REMAINING LIFE OF AN IN-SERVICE STRUCTURE USING THREE-DIMENSIONAL SCAN DATA**
[54] **DETERMINATION DE LA MAINTENABILITE ET DE LA VIE RESTANTE D`UNE STRUCTURE EN SERVICE AU MOYEN DE DONNEES DE BALAYAGE TRIDIMENSIONNELLES**
[72] BROWN, THOMAS A., US
[72] FARNIOK, CRAIG MARTIN, US
[72] ROFFO, TODD, US
[72] SMITH, NICHOLAS E., US
[72] THILGES, JACOB PAUL, US
[71] THE BOEING COMPANY, US
[22] 2020-02-20
[41] 2020-11-03
[30] US (16/402,656) 2019-05-03

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[21] **3,073,441**
[13] A1
[51] **Int.Cl. H04W 12/06 (2009.01) H04W 12/12 (2009.01) H04L 12/22 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR APPLICATION AUTHENTICITY ATTESTATION**
[54] **PROCEDE ET SYSTEME POUR L`APPLICATION DE L`ATTESTATION D'AUTHENTICITE**
[72] WHITE, JOHNATHAN GEORGE, CA
[72] GHOSH, AMIT, CA
[71] BLACKBERRY LIMITED, CA
[22] 2020-02-24
[41] 2020-11-01
[30] US (16/400,691) 2019-05-01

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[21] **3,074,221**
[13] A1
[51] **Int.Cl. C22C 19/07 (2006.01) B33Y 10/00 (2015.01) B33Y 70/00 (2020.01) B22F 3/10 (2006.01)**
[25] EN
[54] **SINTERED ALLOY ARTICLES AND METHODS OF MAKING THE SAME**
[54] **ARTICLES D`ALLIAGE FRITTES ET LEURS PROCEDES DE FABRICATION**
[72] PEREZ, MARTIN G., US
[72] PRICHARD, PAUL D., US
[72] YAO, MATTHEW, CA
[72] SKWARA, JOHN, US
[72] BELHADJHAMIDA, ABDELHAKIM, CA
[72] GAMBLE, KEVIN M., US
[72] MEYER, MICHAEL J., US
[71] KENNAMETAL INC., US
[22] 2020-02-28
[41] 2020-11-06
[30] US (16/404011) 2019-05-06

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[21] **3,074,356**
[13] A1
[51] **Int.Cl. C08K 3/013 (2018.01) B29C 48/92 (2019.01) B29C 70/58 (2006.01) C08J 3/20 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING PARTICLES SIZE OF FILLERS IN EXTRUDABLE COMPOSITIONS, COMPOSITIONS COMPRISING THE FILLERS AND DEVICES MADE FROM THE COMPOSITIONS**
[54] **PROCEDE DE CONTROLE DE CHARGES AYANT UNE TAILLE DE PARTICULES DANS DES COMPOSITIONS EXTRUDABLES, COMPOSITIONS COMPRENANT DES CHARGES ET DISPOSITIFS FABRIQUES A PARTIR DES COMPOSITIONS**
[72] BRUTON, ERIC ALAN, US
[72] SHAWGO, LOYAL BRUCE, US
[71] THE BOEING COMPANY, US
[22] 2020-03-02
[41] 2020-11-06
[30] US (16/404,297) 2019-05-06

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[21] **3,074,773**
[13] A1
[51] **Int.Cl. H02K 9/19 (2006.01) F16C 37/00 (2006.01) H02K 7/08 (2006.01)**
[25] EN
[54] **FLUID COOLING OF GREASE-PACKED BEARINGS**
[54] **REFROIDISSEMENT DU FLUIDE DE PALIERS REMPLIS DE GRAISSE**
[72] SCOTHERN, DAVID, GB
[72] BODEN, MARK, GB
[72] KLEMEN, DON, US
[72] WILLIAMSON, WILLIAM, US
[72] MANERS, BRIAN, US
[71] ROLLS-ROYCE PLC, GB
[71] ROLLS-ROYCE CORPORATION, US
[22] 2020-03-06
[41] 2020-11-06
[30] US (16/404396) 2019-05-06

[21] **3,074,811**
[13] A1
[51] **Int.Cl. F15B 21/0427 (2019.01)**
[25] EN
[54] **TEMPERATURE REGULATION SYSTEM FOR VEHICLE HYDRAULIC SYSTEM**
[54] **SYSTEME DE REGULATION DE TEMPERATURE POUR SYSTEME HYDRAULIQUE DE VEHICULES**
[72] CLIFTON, CODY D., US
[72] WENTE, DEREK, US
[71] OSHKOSH CORPORATION, US
[22] 2020-03-06
[41] 2020-11-01
[30] US (62/841,657) 2019-05-01

[21] **3,077,683**
[13] A1
[51] **Int.Cl. H04W 4/024 (2018.01) H04W 64/00 (2009.01) H04B 17/318 (2015.01) G01S 5/00 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **CROWD-SOURCED TRAINING OF A NEURAL NETWORK FOR RSS FINGERPRINTING**
[54] **FORMATION A EXTERNALISATION OUVERTE D`UN RESEAU NEURONAL POUR EMPREINTES PAR SYSTEME DE RECONNAISSANCE RETINIENNE**
[72] HUBERMAN, SEAN, CA
[72] KARON, JOSHUA, CA
[72] OHAB, HENRY, CA
[71] MAPSTED CORP., CA
[22] 2020-04-09
[41] 2020-11-01
[30] US (16400562) 2019-05-01

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[13] A1
[51] **Int.Cl. B64D 13/02 (2006.01) F16K 3/03 (2006.01) F16K 3/04 (2006.01) F16K 17/20 (2006.01)**
[25] EN
[54] **VALVE FOR AIRCRAFT ENVIRONMENTAL CONTROL SYSTEM CONDUIT**
[54] **SOUPAPE DE CONDUIT DU CIRCUIT DE CLIMATISATION D`AERONEF**
[72] CARON, JEAN-FRANCOIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-09
[41] 2020-11-03
[30] US (16/402,925) 2019-05-03

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[13] A1
[51] **Int.Cl. F16L 59/14 (2006.01) F16L 58/00 (2006.01) F16L 59/02 (2006.01)**
[25] EN
[54] **INSULATION BLANKET HAVING A DEPOSITED PASSIVATOR FOR INDUSTRIAL INSULATION APPLICATIONS**
[54] **MATELAS ISOLANT AVEC PASSIVANT DEPOSE POUR DES APPLICATIONS INDUSTRIELLES D`ISOLANT**
[72] KULPRATHIPANJA, AMES, US
[72] JONES, MARYBETH, US
[71] JOHNS MANVILLE, US
[22] 2020-04-15
[41] 2020-11-07
[30] US (16/405,461) 2019-05-07

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[13] A1
[51] **Int.Cl. B61D 17/04 (2006.01)**
[25] EN
[54] **IMPROVED STEEL GONDOLA RAILCAR**
[54] **WAGON-TOMBEREAU EN ACIER AMELIORE**
[72] NELLE, GEORGE A., US
[72] COSTON, KYLE R., US
[72] KHENOKH, KONSTANTIN I., US
[72] ELAVIA, PERCY H., US
[71] TRINITY RAIL GROUP, LLC, US
[22] 2020-04-14
[41] 2020-11-01
[30] US (62/841,429) 2019-05-01
[30] US (16/786,618) 2020-02-10

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[13] A1
[51] **Int.Cl. A01F 25/18 (2006.01) A01B 76/00 (2006.01) A01C 7/20 (2006.01) B65G 33/14 (2006.01) B65G 67/24 (2006.01)**
[25] EN
[54] **AGRICULTURAL DEVICE FOR TRANSFERRING SEED OR GRAIN**
[54] **APPAREIL AGRICOLE POUR TRANSFERER LES SEMENCES OU LES GRAINS**
[72] GRIESHOP, ALEX, US
[71] J. & M. MANUFACTURING CO., INC., US
[22] 2020-04-28
[41] 2020-11-07
[30] US (62/844,350) 2019-05-07
[30] US (62/893,320) 2019-08-29
[30] US (16/857,277) 2020-04-24

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[51] **Int.Cl. E21B 43/12 (2006.01) F04B 47/12 (2006.01)**
[25] EN
[54] **SEALING PLUNGER LIFT SYSTEM AND TUBING CONNECTOR**
[54] **SYSTEME DE LEVAGE DE PISTON D'ETANCHEITE ET CONNECTEUR DE TUBE**
[72] ZIMMERMAN, JEFFREY BRIAN, JR., US
[72] SALYARDS, JESSON ADAM, US
[71] PIVOT ENERGY SOLUTIONS, LLC, US
[22] 2020-04-29
[41] 2020-11-03
[30] US (16/402,671) 2019-05-03

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 5/06 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **SYSTEM FOR DISTRIBUTING SEEDS AND AGRICULTURAL PARTICLES**
[54] **SYSTEME POUR DISTRIBUER DES SEMENCES ET DES PARTICULES AGRICOLES**
[72] GARNER, ELIJAH B., US
[72] RHODES, MICHAEL L., US
[72] PUHALLA, JEFFREY S., US
[72] TEVS, NIKOLAI R., US
[71] DEERE & COMPANY, US
[22] 2020-04-17
[41] 2020-11-01
[30] US (16/400,535) 2019-05-01

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[13] A1
[51] **Int.Cl. F16K 17/04 (2006.01) G05D 16/04 (2006.01)**
[25] EN
[54] **PRESSURE REDUCING VALVE WITH AN INTEGRAL VENTURI**
[54] **REDUCTEUR DE PRESSION AVEC PAVILLON D'ASPIRATION INTEGRAL**
[72] GUISE, MATTHEW, US
[72] ORR, WILLIAM, US
[72] CORRAL, CHRISTOPHER, US
[71] ZURN INDUSTRIES, LLC, US
[22] 2020-04-20
[41] 2020-11-03
[30] US (62/843,165) 2019-05-03

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[13] A1
[51] **Int.Cl. A61K 36/185 (2006.01) A61K 31/01 (2006.01) A61K 31/015 (2006.01) A61K 31/025 (2006.01) A61K 31/045 (2006.01) A61K 31/122 (2006.01) A61K 31/22 (2006.01) A61K 31/23 (2006.01) A61K 31/336 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING MOLECULARLY SEPARATED CANNABINOIDS AND TERPENE BLENDS AND METHODS OF PRODUCING**
[54] **COMPOSITIONS COMPRENANT DES MELANGES DISTINCTS DE CANNABINOIDES ET DE TERPENES MOLECULAIRES ET PROCEDES DE PRODUCTION**
[72] PARKER, MELISSA, US
[71] HFL PARTNERS, LLC DBA REED'S REMEDIES, US
[22] 2020-04-28
[41] 2020-11-03
[30] US (62/842,901) 2019-05-03
[30] US (16/676,189) 2019-11-06

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[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTROLLING ENGINE SPEED IN MULTI-ENGINE AIRCRAFT**
[54] **SYSTEME ET PROCEDE POUR REGLER LA VITESSE DU MOTEUR DANS UN AERONEF MULTIMOTEUR**
[72] RIVERIN, GUY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-04-15
[41] 2020-11-03
[30] US (16/402,598) 2019-05-03

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[13] A1
[51] **Int.Cl. B64C 25/44 (2006.01) B60T 8/17 (2006.01) H02P 27/00 (2006.01)**
[25] FR
[54] **METHOD FOR CONTROLLING AN ELECTRIC BRAKING SYSTEM AND AIRCRAFT ELECTRIC BRAKING SYSTEM**
[54] **PROCEDE DE PILOTAGE D'UN SYSTEME DE FREINAGE ELECTRIQUE ET SYSTEME DE FREINAGE ELECTRIQUE POUR AERONEF**
[72] FREY, OLIVIER, FR
[71] SAFRAN LANDING SYSTEMS, FR
[22] 2020-04-20
[41] 2020-11-06
[30] FR (1904730) 2019-05-06

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[13] A1
[51] **Int.Cl. H01L 21/66 (2006.01)**
[25] EN
[54] **TESTING DEVICE**
[54] **DISPOSITIF DE MISE A L`ESSAI**
[72] JUNES, AKI, FI
[72] KUUKKALA, ARI, FI
[72] SALMINEN, TIMO, FI
[72] HENTTONEN, VESA, FI
[72] MANNINEN, MATTI, FI
[72] GUNNARSSON, DAVID, FI
[72] ROSCHIER, LEIF, FI
[71] AFORE OY, FI
[71] BLUEFORS CRYOGENICS OY, FI
[22] 2020-04-15
[41] 2020-11-03
[30] EP (19172489.7) 2019-05-03

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[13] A1
[51] **Int.Cl. G01R 31/28 (2006.01)**
[25] EN
[54] **TESTING DEVICE**
[54] **DISPOSITIF DE MISE A L`ESSAI**
[72] JUNES, AKI, FI
[72] KUUKKALA, ARI, FI
[72] SALMINEN, TIMO, FI
[72] HENTTONEN, VESA, FI
[72] MANNINEN, MATTI, FI
[72] GUNNARSSON, DAVID, FI
[72] ROSCHIER, LEIF, FI
[71] AFORE OY, FI
[71] BLUEFORS CRYOGENICS OY, FI
[22] 2020-04-20
[41] 2020-11-03
[30] EP (19172492.1) 2019-05-03

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[13] A1
[51] **Int.Cl. G01S 1/04 (2006.01)**
[25] EN
[54] **LORAN DEVICE WITH INTERFERENCE CANCELLATION AND INTERFERENCE CANCELLER DEVICE WITH RELATED METHODS**
[54] **DISPOSITIF LORAN AVEC DISPOSITIF D`ANNULATION D`INTERFERENCE ET D`ANNULEUR D`INTERFERENCE AVEC PROCEDES CONNEXES**
[72] PARSCHE, FRANCIS E., US
[72] HENDRICKSON, KENNETH J., US
[72] ADAMS, WILLIAM C., JR., US
[71] EAGLE TECHNOLOGY, LLC, US
[22] 2020-04-22
[41] 2020-11-01
[30] US (2016/400321) 2019-05-01

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[13] A1
[51] **Int.Cl. A01C 5/08 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **SINGLE DISK FERTILIZER OPENER FOR AN AGRICULTURAL PLANTER**
[54] **OUVERTURE POUR ENGRAIS A DISQUE UNIQUE POUR UNE PLANTEUSE AGRICOLE**
[72] PETENON, PABLO, BR
[72] KROTH, ROGERIO, BR
[71] DEERE & COMPANY, US
[22] 2020-04-24
[41] 2020-11-03
[30] US (16/402,803) 2019-05-03

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[13] A1
[51] **Int.Cl. F24B 1/26 (2006.01) B60P 3/34 (2006.01) E04B 1/343 (2006.01)**
[25] EN
[54] **MOBILE HOME AND ROCKET STOVE AND VENTILATION ASSEMBLIES FOR USE THEREWI TH**
[54]
[72] LI, XUEHAO, CA
[71] LI, XUEHAO, CA
[22] 2020-04-23
[41] 2020-11-04

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[13] A1
[51] **Int.Cl. A01B 76/00 (2006.01) A01B 43/00 (2006.01) G05B 19/045 (2006.01)**
[25] EN
[54] **RESIDUE MONITORING AND RESIDUE-BASED CONTROL**
[54] **CONTROLE DE RESIDUS ET CONTROLE A BASE DE RESIDUS**
[72] SPORRER, ADAM D., US
[72] THEILEN, RICKY B., US
[72] LARSEN, LUCAS B., US
[72] TROST, KYLE J., US
[71] DEERE & COMPANY, US
[22] 2020-04-24
[41] 2020-11-02
[30] US (16/401,678) 2019-05-02

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[13] A1
[51] **Int.Cl. A01C 5/08 (2006.01) A01C 5/06 (2006.01)**
[25] EN
[54] **SINGLE DISK FERTILIZER OPENER FOR AN AGRICULTURAL PLANTER**
[54] **OUVERTURE POUR ENGRAIS A DISQUE UNIQUE POUR UNE PLANTEUSE AGRICOLE**
[72] PETENON, PABLO, BR
[72] KROTH, ROGERIO, BR
[72] GARNER, ELIJAH B., US
[72] DHOBALE, DNYANESH, IN
[72] NATARAJAN, KAMALAKANNAN, IN
[71] DEERE & COMPANY, US
[22] 2020-04-24
[41] 2020-11-03
[30] US (16/402,777) 2019-05-03

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[13] A1
[51] **Int.Cl. B60W 60/00 (2020.01) B60W 30/09 (2012.01) B60W 50/00 (2006.01)**
[25] EN
[54] **A METHOD FOR AUTONOMOUSLY CONTROLLING A VEHICLE**
[54] **PROCEDE DE COMMANDE AUTONOME D`UN VEHICULE**
[72] WHITFIELD, JAMES, JR., US
[71] LIEBHERR MINING EQUIPMENT NEWPORT NEWS CO., US
[22] 2020-04-24
[41] 2020-11-02
[30] US (16/401,951) 2019-05-02

[21] **3,079,587**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01)**
[25] EN
[54] **BEAN VARIETY SVGZ5965**
[54] **VARIETE DE HARICOT SVGZ5965**
[72] OPPELAAR, ARIE, US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2020-04-28
[41] 2020-11-01
[30] US (16/400,704) 2019-05-01

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[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01)**
[25] EN
[54] **PEA VARIETY SV7441QC**
[54] **VARIETE DE POIS SV7441QC**
[72] PLOUY, ALEXIS J., US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2020-04-28
[41] 2020-11-03
[30] US (16/402,984) 2019-05-03

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[13] A1
[51] **Int.Cl. B64C 1/14 (2006.01) E06B 3/66 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **ONE PIECE MULTIFUNCTIONAL NANOLAMINATED COMPOSITE WINDOW PANE**
[54] **VITRE COMPOSITE NANOSTRATIFIEE MULTIFONCTIONNELLE D`UNE SEULE PIECE**
[72] CHENG, JIANGTIAN, US
[72] NORDMAN, PAUL S., US
[71] THE BOEING COMPANY, US
[22] 2020-04-27
[41] 2020-11-02
[30] US (16/402,034) 2019-05-02

[21] **3,079,593**
[13] A1
[51] **Int.Cl. A63C 19/06 (2006.01) E02D 5/56 (2006.01) E02D 7/02 (2006.01) E02D 7/04 (2006.01) E04H 15/62 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL PILE**
[54] **PILE MULTIFONCTIONNELLE**
[72] CARON, CHRISTELLE, FR
[71] CARON, CHRISTELLE, FR
[22] 2020-04-28
[41] 2020-11-02
[30] FR (19 04621) 2019-05-02

[21] **3,079,710**
[13] A1
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/241 (2006.01)**
[25] EN
[54] **SOLVENT ENHANCED SAGD WITH REDUCED STEAM AND VARIABLE SOLVENT-TO-STEAM_RATIO**
[54] **DRAINAGE PAR GRAVITE AU MOYEN DE VAPEUR (DGMV) ASSISTE PAR SOLVANT AVEC CONSOMMATION REDUITE DE VAPEUR ET UN RAPPORT DE SOLVANT A VAPEUR VARIABLE**
[72] WU, MICHAEL, CA
[72] KHATRI, NAND, CA
[72] ZHAO, LITONG, CA
[72] YOUCK, DARYL, CA
[71] CANADIAN NATURAL RESOURCES LIMITED, CA
[22] 2020-04-27
[41] 2020-11-02
[30] US (62/841,994) 2019-05-02

[21] **3,079,744**
[13] A1
[51] **Int.Cl. H01Q 1/42 (2006.01) H01Q 13/10 (2006.01)**
[25] EN
[54] **CONCEALMENT SYSTEMS AND WIRELESS COMMUNICATION EQUIPMENT INSTALLATIONS AND METHODS INCLUDING SAME**
[54] **SYSTEMES DE DISSIMULATION ET INSTALLATIONS D'EQUIPEMENT DE COMMUNICATION SANS FIL ET PROCEDES ASSOCIES**
[72] NEMETH, JOSEPH JOHN, III, US
[71] RAYCAP IP DEVELOPMENT LTD, CY
[22] 2020-04-28
[41] 2020-11-01
[30] US (62/841298) 2019-05-01
[30] US (16/856106) 2020-04-23

[21] **3,079,782**
[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01) E05F 15/627 (2015.01)**
[25] EN
[54] **TOP DOOR FOR ELECTRIC REFUSE VEHICLE**
[54] **PORTE SUPERIEURE POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-28
[41] 2020-11-03
[30] US (62/842,928) 2019-05-03
[30] US (16/851,320) 2020-04-17

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[13] A1
[51] **Int.Cl. E04H 12/22 (2006.01) E01F 9/535 (2016.01) E01F 9/627 (2016.01)**
[25] EN
[54] **DRIVEWAY MARKER POLE MOUNT SYSTEMS**
[54] **SYSTEMES D`INSTALLATION DE BALISES DE VOIE D`ACCES**
[72] MALOTT, DALE G., US
[72] ALAWWAD, GAITH, US
[71] THE HILLMAN GROUP, INC., US
[22] 2020-04-29
[41] 2020-11-03
[30] US (62/843,188) 2019-05-03
[30] US (62/843,370) 2019-05-04

[21] **3,079,830**
[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01) B60K 6/20 (2007.10)**
[25] EN
[54] **AUXILIARY POWER SYSTEM FOR ELECTRIC REFUSE VEHICLE**
[54] **SYSTEME D`ALIMENTATION AUXILIAIRE POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-28
[41] 2020-11-03
[30] US (62/843,062) 2019-05-03
[30] US (16/851,152) 2020-04-17

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[13] A1
[51] **Int.Cl. A01D 41/06 (2006.01) A01D 34/24 (2006.01) A01D 34/54 (2006.01) A01D 47/00 (2006.01)**
[25] EN
[54] **FLOAT ADJUSTMENT**
[54] **AJUSTEMENT DE FLOTTEUR**
[72] VANDEVEN, MICHAEL L., US
[72] BRIMEYER, ALEX, US
[72] LOVETT, BENJAMIN M., US
[72] BOMLENY, DUANE M., US
[72] YANKE, BRYAN R., US
[72] PIERSON, JOSHUA R., US
[72] HASENOUR, ANTHONY M., US
[71] DEERE & COMPANY, US
[22] 2020-04-30
[41] 2020-11-01
[30] US (16/400,097) 2019-05-01

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[13] A1
[51] **Int.Cl. B65F 3/02 (2006.01) B65F 3/00 (2006.01)**
[25] EN
[54] **ELECTRONIC CONTROL SYSTEM FOR ELECTRIC REFUSE VEHICLE**
[54] **SYSTEME DE COMMANDE ELECTRONIQUE POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-28
[41] 2020-11-03
[30] US (62/843,295) 2019-05-03
[30] US (16/851,157) 2020-04-17

[21] **3,079,862**
[13] A1
[51] **Int.Cl. B05B 1/18 (2006.01)**
[25] EN
[54] **DIRECTIONAL SPEAKER-IMPLEMENTED SHOWERHEAD**
[54] **POMME DE DOUCHE DIRECTIONNELLE A HAUT-PARLEURS INTEGRES**
[72] CIPRIANI, MARK, US
[72] GOSPEL, THOMAS EDWARD, US
[72] JONTE, PATRICK B., US
[71] DELTA FAUCET COMPANY, US
[22] 2020-04-30
[41] 2020-11-01
[30] US (62/841,508) 2019-05-01

[21] **3,079,867**
[13] A1
[51] **Int.Cl. A01C 23/04 (2006.01) A01C 23/02 (2006.01) B62D 61/00 (2006.01) F04D 7/04 (2006.01) F04D 13/02 (2006.01)**
[25] EN
[54] **TRAILERED ENGINE DRIVEN LAGOON PUMP FOR MIXING AND PUMPING MANURE SLURRIES**
[54] **POMPE A PURIN ENTRAINEE PAR MOTEUR POUVANT ETRE DEPLACEE POUR MELANGER ET POMPER DU LISIER**
[72] BAMBAUER, SCOTT A., US
[72] STEINKE, JACK, US
[71] BAMBAUER EQUIPMENT, US
[22] 2020-04-30
[41] 2020-11-02
[30] US (62/842,014) 2019-05-02

[21] **3,079,879**
[13] A1
[51] **Int.Cl. A01H 6/54 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 4/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/04 (2006.01)**
[25] EN
[54] **PEA VARIETY SV3946QB**
[54] **VARIETE DE POIS SV3946QB**
[72] PLOUY, ALEXIS J., US
[71] SEMINIS VEGETABLE SEEDS, INC., US
[22] 2020-04-30
[41] 2020-11-01
[30] US (16/400,723) 2019-05-01

[21] **3,079,882**
[13] A1
[51] **Int.Cl. H02J 3/00 (2006.01) H02J 3/04 (2006.01)**
[25] EN
[54] **MONITORING AND CONTROLLING THE STATUS OF FREQUENCY-MANAGED ELECTRIC DEVICES FROM FREQUENCY HISTORY**
[54] **SURVEILLANCE ET COMMANDE DE L`ETAT D`APPAREILS ELECTRIQUES A GESTION DE FREQUENCES A PARTIR D'UN HISTORIQUE DE FREQUENCES**
[72] HAMMERSTROM, DONALD J., US
[71] BATTELLE MEMORIAL INSTITUTE, US
[22] 2020-04-30
[41] 2020-11-01
[30] US (62/841656) 2019-05-01

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[13] A1
[51] **Int.Cl. E04C 3/07 (2006.01) E04B 1/24 (2006.01) E04C 3/32 (2006.01)**
[25] EN
[54] **STRUCTURAL MEMBER ASSEMBLIES, BEAMS, AND SUPPORT STRUCTURES COMPRISING SAME**
[54] **ENSEMBLES PIECE DE CHARPENTE, POUTRES ET STRUCTURES SUPPORT ASSOCIEES**
[72] PEARSON, CHRISTOPHER BRUCE, US
[72] MULKEY, HEATH JACKSON, US
[71] STORAGE STRUCTURES INC., US
[22] 2020-04-30
[41] 2020-11-01
[30] US (16/400,896) 2019-05-01
[30] US (16/443,493) 2019-06-17

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[13] A1
[51] **Int.Cl. B65F 3/14 (2006.01)**
[25] EN
[54] **FRONT AND SIDE LOADING PACKERS FOR ELECTRIC REFUSE VEHICLE**
[54] **ENCAISSEUSES A CHARGEMENT VERTICAL ET LATERAL POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[72] KOTLOSKI, ANDREW, US
[72] BUEGE, WALLACE, US
[72] BINDER, CALEB, US
[72] SCHIMKE, MARTIN J., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-30
[41] 2020-11-03
[30] US (62/843,293) 2019-05-03
[30] US (16/851,429) 2020-04-17

[21] **3,079,987**
[13] A1
[51] **Int.Cl. F16L 21/03 (2006.01)**
[25] EN
[54] **PIPE JOINT SEAL FOR POLYMER PIPING**
[54] **JOINT D'ETANCHEITE POUR TUYAUX POUR TUYAUTERIE EN POLYMERE**
[72] SKINNER, PETER J., US
[72] GAMBLE, JIMMY D., US
[72] MORRIS, JACOB L.B., US
[71] PRESS-SEAL CORPORATION, US
[22] 2020-04-30
[41] 2020-11-02
[30] US (62/842045) 2019-05-02
[30] US (16/854238) 2020-04-21

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[13] A1
[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/255 (2006.01)**
[25] EN
[54] **FIBER TRANSITION HOUSING WITH OPTICAL CONNECTION FEATURES**
[54] **BOITIER DE TRANSITION DE CABLES A FIBRES AVEC FONCTIONS DE CONNEXION OPTIQUE**
[72] CRANE, ROBERT ALEXANDER, US
[72] DURAN, CHRISTIAN SHANE, US
[72] KEENUM, JOHN AUSTIN, US
[72] QUINTANA, JOSE MANUEL HERNANDEZ, US
[72] TENHOLDER, RODGER ALAN (DECEASED), US
[71] CORNING RESEARCH & DEVELOPMENT CORPORATION, US
[22] 2020-05-01
[41] 2020-11-01
[30] US (62/841,431) 2019-05-01

[21] **3,080,019**
[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01)**
[25] EN
[54] **FRONT LIFT ASSEMBLY FOR ELECTRIC REFUSE VEHICLE**
[54] **ENSEMBLE DE LEVAGE AVANT POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D. ., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[72] KOTLOSKI, ANDREW, US
[72] BUEGE, WALLACE, US
[72] BINDER, CALEB, US
[72] SCHIMKE, MARTIN J., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-30
[41] 2020-11-03
[30] US (62/843,052) 2019-05-03
[30] US (16/851,844) 2020-04-17

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[51] **Int.Cl. H02J 13/00 (2006.01) G08B 21/14 (2006.01) H01R 25/16 (2006.01) H02J 4/00 (2006.01) G01R 1/00 (2006.01)**
[25] EN
[54] **EXTENSION CORD**
[54] **CORDON PROLONGATEUR**
[72] ALEXANDER, CHRISTOPHER C., US
[72] GILPATRICK, RICHARD J., US
[71] FNA GROUP, INC., US
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[41] 2020-11-02
[30] US (62/841,959) 2019-05-02

[21] **3,080,024**
[13] A1
[51] **Int.Cl. A61K 47/10 (2017.01) A61K 9/14 (2006.01) A61K 47/04 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **SURFACE-MODIFIED MESOPOROUS SILICA NANOPARTICLE FOR BLOOD-BRAIN BARRIER PENETRATION, TUMOR TARGETING AND CANCER METASTASIS TREATMENT, METHODS OF PRODUCTION AND USES THEREOF**
[54] **NANOPARTICULE DE SILICE MESOPOREUSE A SURFACE MODIFIEE POUR PENETRATION DE LA BARRIERE HEMATOENCEPHALIQUE, CIBLAGE DE TUMEURS ET TRAITEMENT DE METASTASES CANCEREUSES, PROCEDES DE PRODUCTION ET UTILISATIONS ASSOCIEES**
[72] WU, CHENG-HSUN, TW
[72] CHEN, YI-PING, TW
[72] WU, SI-HAN, TW
[72] MOU, CHUNG-YUAN, TW
[71] NANO TARGETING & THERAPY BIOPHARMA INC., TW
[22] 2020-05-01
[41] 2020-11-03
[30] US (62/843,033) 2019-05-03

[21] **3,080,034**
[13] A1
[51] **Int.Cl. E21B 3/035 (2006.01) E21B 3/02 (2006.01)**
[25] EN
[54] **MECHANICAL RUNNING TOOL LOCKOUT DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE D'OUTIL DE POSE MECANIQUE**
[72] HICKL, MATTHEW J., US
[71] MCCOY GLOBAL INC., CA
[22] 2020-05-01
[41] 2020-11-03
[30] US (16403236) 2019-05-03

[21] **3,080,036**
[13] A1
[51] **Int.Cl. B65F 3/04 (2006.01)**
[25] EN
[54] **ELECTRIC SIDE LOADER ARMS FOR ELECTRIC REFUSE VEHICLE**
[54] **BRAS DE CHARGEUSE LATERAUX ELECTRIQUES POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[72] KOTLOSKI, ANDREW, US
[72] BUEGE, WALLACE, US
[72] BINDER, CALEB, US
[72] SCHIMKE, MARTIN J., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-30
[41] 2020-11-03
[30] US (62/843,072) 2019-05-03
[30] US (16/851,557) 2020-04-17

[21] **3,080,039**
[13] A1
[51] **Int.Cl. B65F 3/02 (2006.01) B62D 33/027 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **ELECTRIC TAILGATE FOR ELECTRIC REFUSE VEHICLE**
[54] **HAYON ELECTRIQUE POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-30
[41] 2020-11-03
[30] US (62/842,914) 2019-05-03
[30] US (16/851,543) 2020-04-17

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[13] A1
[51] **Int.Cl. B05C 17/015 (2006.01)**
[25] EN
[54] **CAULK GUN**
[54] **PISTOLET A CALFEUTRER**
[72] KNIGHT, TYLER, US
[72] ROBERTS, PETER J., US
[71] TECHTRONIC CORDLESS GP, US
[22] 2020-05-01
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[30] US (62/842,840) 2019-05-03

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[13] A1
[51] **Int.Cl. B65F 3/14 (2006.01) B62D 33/027 (2006.01) B65F 3/02 (2006.01) H02K 7/14 (2006.01)**
[25] EN
[54] **REAR ELECTRIC LOADER FOR ELECTRIC REFUSE VEHICLE**
[54] **CHARGEUSE ELECTRIQUE ARRIERE POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[72] KOTLOSKI, ANDREW, US
[72] BUEGE, WALLACE, US
[72] BINDER, CALEB, US
[72] SCHIMKE, MARTIN J., US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-30
[41] 2020-11-03
[30] US (62/842,978) 2019-05-03
[30] US (16/851,522) 2020-04-17

[21] **3,080,043**
[13] A1
[51] **Int.Cl. G01P 5/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR MEASURING VELOCITY PERTURBATIONS IN A FLUID**
[54] **APPAREIL ET PROCEDE POUR MESURER LES PERTURBATIONS DE LA VITESSE DANS UN LIQUIDE**
[72] RIVAL, DAVID E., CA
[72] GALLER, JOSHUA N., CA
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA
[22] 2020-05-01
[41] 2020-11-01
[30] US (62/841,569) 2019-05-01
[30] CA (3,041,877) 2019-05-01

[21] **3,080,044**
[13] A1
[51] **Int.Cl. B65F 3/02 (2006.01)**
[25] EN
[54] **REFUSE VEHICLE WITH ELECTRIC REACH APPARATUS**
[54] **VEHICULE A ORDURES AVEC APPAREIL D'EXTENSION ELECTRIQUE**
[72] BUEGE, WALLACE, US
[72] SCHIMKE, MARTIN, US
[72] ROCHOLL, JOSHUA D., US
[72] KAPPERS, JERROD, US
[72] KOTLOSKI, ANDREW, US
[71] OSHKOSH CORPORATION, US
[22] 2020-04-30
[41] 2020-11-03
[30] US (62/843,084) 2019-05-03
[30] US (16/851,180) 2020-04-17

[21] **3,080,047**
[13] A1
[51] **Int.Cl. H04W 24/04 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **SIDELINK CONGESTION CONTROL**
[54] **REGULATION DE LA CONGESTION DE LIAISON LATERALE**
[72] CHAE, HYUKJIN, US
[72] DINAN, ESMAEL, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-05-01
[41] 2020-11-02
[30] US (62/842,508) 2019-05-02

[21] **3,080,097**
[13] A1
[51] **Int.Cl. G07C 9/23 (2020.01)**
[25] EN
[54] **MANAGING AND CONTROLLING ACCESS TO SECURED AREAS**
[54] **GESTION ET CONTROLE DE L`ACCES AUX ZONES SECURISEES**
[72] HARWELL, JONATHAN AARON, US
[71] HARWELL, JONATHAN AARON, US
[22] 2020-05-07
[41] 2020-11-07
[30] US (62/844,343) 2019-05-07

[21] **3,080,152**
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[51] **Int.Cl. H04W 36/08 (2009.01) H04W 72/04 (2009.01) H04W 76/27 (2018.01)**
[25] EN
[54] **WIRELESS RESOURCE CONFIGURATION FOR SIMULTANEOUS CONNECTIVITY**
[54] **CONFIGURATION DES RESSOURCES SANS FIL POUR UNE CONNECTIVITE SIMULTANEE**
[72] RASTEGARDOOST, NAZANIN, US
[72] DINAN, ESMAEL, US
[72] JEON, HYOUNGSUK, US
[72] YI, YUNJUNG, US
[72] PARK, KYUNGMIN, US
[72] CIRIK, ALI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-05-01
[41] 2020-11-02
[30] US (62/842,396) 2019-05-02

[21] **3,080,154**
[13] A1
[51] **Int.Cl. E05C 9/00 (2006.01)**
[25] EN
[54] **MULTIPOINT LOCK ASSEMBLY FOR A SWINGING DOOR PANEL**
[54] **ENSEMBLE VERROU MULTIPOINT POUR UN PANNEAU DE PORTE BATTANTE**
[72] HEID, GEORGE E., US
[71] ENDURA PRODUCTS, LLC, US
[22] 2020-05-01
[41] 2020-11-01
[30] US (62/841,281) 2019-05-01

[21] **3,080,158**
[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATIONS FOR A SIDELINK**
[54] **COMMUNICATIONS SANS FIL POUR UNE LIAISON LATERALE**
[72] CHAE, HYUKJIN, US
[72] DINAN, ESMAEL, US
[72] YI, YUNJUNG, US
[72] PARK, KYUNGMIN, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-05-01
[41] 2020-11-02
[30] US (62/842,235) 2019-05-02

[21] **3,080,160**
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[51] **Int.Cl. A23C 19/08 (2006.01) A23C 1/00 (2006.01) A23C 9/12 (2006.01) A23C 9/13 (2006.01) A23C 19/00 (2006.01)**
[25] EN
[54] **FOOD PRODUCTS AND SYSTEMS AND METHODS OF MAKING SAME**
[54] **PRODUITS ALIMENTAIRES ET SYSTEMES ET PROCEDES DE FABRICATION**
[72] GLENN, THOMAS ALEXANDER, III, US
[72] DI PIETRO, CHRISTINA MARIA, US
[71] LAND O'LAKES, INC., US
[22] 2020-05-04
[41] 2020-11-07
[30] US (16/405,476) 2019-05-07

[21] **3,080,161**
[13] A1
[51] **Int.Cl. B01D 45/04 (2006.01) B01D 45/08 (2006.01)**
[25] EN
[54] **SAND TRAPS FOR USE IN OIL AND GAS EXTRACTION OPERATIONS**
[54] **FOSSES DE SABLES POUR L'EXTRACTION DE PETROLE ET DE GAZ**
[72] MARSHALL, SCOTT, CA
[72] MOORE, CODY STEVEN, US
[71] IDEAL COMPLETION SERVICES LLC, US
[22] 2020-04-30
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[30] US (16/401,941) 2019-05-02

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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 33/124 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **A MULTI-STAGE HYDRAULIC FRACTURING TOOL AND SYSTEM**
[54] **OUTIL ET SYSTEME DE FRACTURATION HYDRAULIQUE MULTI-ETAPES**
[72] WOOD, BLAKE, CA
[72] DABREO, NIGEL, CA
[71] 2054351 ALBERTA LTD., CA
[22] 2020-05-04
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[30] US (62/842,779) 2019-05-03

[21] **3,080,171**
[13] A1
[51] **Int.Cl. E01H 5/04 (2006.01)**
[25] EN
[54] **A SYSTEM TO REMOVE SNICE FROM PAVEMENT AND METHOD THEREFOR**
[54] **SYSTEME POUR RETIRER LA NEIGE ET LA GLACE DE LA CHAUSSEE ET SON PROCEDE**
[72] THOMSON, RICHARD FRANCIS, JR., US
[71] THOMSON, RICHARD FRANCIS, JR., US
[22] 2020-05-04
[41] 2020-11-02
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[21] **3,080,175**
[13] A1
[51] **Int.Cl. E21B 33/03 (2006.01)**
[25] EN
[54] **GREASE MANIFOLD SYSTEM**
[54] **SYSTEME DE COLLECTEUR DE LUBRIFIANT**
[72] MCKIM, NOEL, US
[71] GJR MEYER SERVICE, INC., US
[22] 2020-05-04
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[30] US (62842793) 2019-05-03

[21] **3,080,183**
[13] A1
[51] **Int.Cl. C25C 7/02 (2006.01) C25C 3/00 (2006.01) C25C 7/00 (2006.01)**
[25] EN
[54] **PERIPHERAL COATING PROCESS OF THE COPPER CONDUCTIVE BAR FOR THE MANUFACTURE OF ANODES, USED IN THE PROCESSES OF ELECTRO-OBTAINING OR ELECTRO-REFINING OF METALS**
[54] **PROCESSUS DE REVETEMENT PERIPHERIQUE DE BARRE CONDUCTRICE DE CUIVRE POUR FABRIQUER DES ANODES, UTILISEES DANS LE PROCESSUS D`ELECTRO-OBTENTION OU D`ELECTRO-RAFFINEMENT DES METAUX**
[72] MOUTHON, HORACIO RAFART, CL
[71] HORACIO RAFART E HIJOS SPA, CL
[22] 2020-05-04
[41] 2020-11-03
[30] CL (1232-2019) 2019-05-03

[21] **3,080,186**
[13] A1
[51] **Int.Cl. B27L 1/08 (2006.01) B27L 1/00 (2006.01)**
[25] EN
[54] **INTERCHANGEABLE DEBARKING RINGS APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE POUR ANNEAUX D`ECORCAGE INTERCHANGEABLES**
[72] POTVIN, SIMON, CA
[71] BID GROUP TECHNOLOGIES LTD., CA
[22] 2020-05-04
[41] 2020-11-02
[30] US (62/842,240) 2019-05-02

[21] **3,080,188**
[13] A1
[51] **Int.Cl. A61K 6/25 (2020.01) A61C 19/00 (2006.01)**
[25] EN
[54] **METHOD FOR REVEALING RESIN-BASED COMPOSITES**
[54] **PROCEDE POUR REVELER DES COMPOSITES A BASE DE RESINES**
[72] MARINIO, FALEH TAMIMI, CA
[72] ABDALLAH, MOHAMED NUR, CA
[72] OWEIS, YARA, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[22] 2020-05-04
[41] 2020-11-07
[30] US (62/844,158) 2019-05-07

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[13] A1
[51] **Int.Cl. B23Q 1/62 (2006.01) B23Q 1/26 (2006.01)**
[25] EN
[54] **CNC MACHINE, WORKSTATION AND COMPONENTS**
[54] **MACHINE CNC, POSTE DE TRAVAIL ET COMPOSANTES**
[72] CHEPURNY, MARK PHILIP, CA
[71] CHEPURNY, MARK PHILIP, CA
[22] 2020-05-04
[41] 2020-11-02
[30] US (62/842,243) 2019-05-02

[21] **3,080,217**
[13] A1
[51] **Int.Cl. B05B 3/00 (2006.01) F16K 31/46 (2006.01)**
[25] EN
[54] **BEZEL ADJUSTMENT FOR EXTERNALLY ACCESSIBLE THROTTLING VALVE**
[54] **REGLAGE D`ENCADREMENT POUR LE ROBINET D'ETRANGLEMENT ACCESSIBLE A L`EXTERNE**
[72] BROWN, KEVIN THOMAS, US
[72] OLVERA, DAVID, US
[71] THE FOUNTAIN PEOPLE, INC., US
[22] 2020-05-05
[41] 2020-11-07
[30] US (16/405,148) 2019-05-07

[21] **3,080,218**
[13] A1
[51] **Int.Cl. A47F 11/10 (2006.01) H05B 45/10 (2020.01) H05B 45/40 (2020.01) H05B 47/155 (2020.01) A47F 10/00 (2006.01) B44D 3/00 (2006.01) G09F 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ILLUMINATING PAINT COLOR CHIP LOCATIONS WITHIN A DISPLAY ASSEMBLY**
[54] **SYSTEMES ET PROCEDES POUR ECLAIRER LES EMPLACEMENTS D`ECLATS DE PEINTURE DANS UN BLOC DE VISUALISATION**
[72] GOLDSTEIN, LINDSEY, US
[72] GERMAIN, MARK, US
[72] CROGAN, JAMES, US
[72] VANDEVER, KEVIN, US
[72] REYNOLDS, DAMIEN, US
[72] HULJICH, KEVIN, NZ
[71] BEHR PROCESS CORPORATION, US
[22] 2020-05-04
[41] 2020-11-06
[30] US (16/404,191) 2019-05-06

[21] **3,080,220**
[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H01B 7/42 (2006.01) H01B 9/00 (2006.01) H02G 15/20 (2006.01)**
[25] EN
[54] **CABLE ASSEMBLY**
[54] **ENSEMBLE CABLE**
[72] NEUMAN, DHR. ANDREAS, IT
[71] PRYSMIAN S.P.A., IT
[22] 2020-04-30
[41] 2020-11-01
[30] NL (2023045) 2019-05-01

[21] **3,080,226**
[13] A1
[51] **Int.Cl. A01B 63/16 (2006.01) A01B 71/02 (2006.01)**
[25] EN
[54] **GANG ARM GAUGE WHEEL HEIGHT CONTROL FOR CROP HARVESTING DEVICE**
[54] **CONTROLE DE LA HAUTEUR DE LA ROUE DE JAUGE DE BRAS DE COUPLAGE D`APPAREIL DE RECOLTE DES CULTURES**
[72] PIERSON, JOSHUA R., US
[72] VANDEVEN, MICHAEL L., US
[72] CHEN, JIXIN, US
[72] TAFLINGER, ERIC, US
[71] DEERE & COMPANY, US
[22] 2020-05-05
[41] 2020-11-06
[30] US (16/403,688) 2019-05-06

[21] **3,080,227**
[13] A1
[51] **Int.Cl. H03H 7/09 (2006.01) H01F 5/00 (2006.01) H01F 7/02 (2006.01) H01F 27/28 (2006.01)**
[25] EN
[54] **INDUCTIVE FILTERING DEVICE AND ELECTRICAL ARCHITECTURE IMPLEMENTING THE INDUCTIVE FILTERING DEVICE**
[54] **DISPOSITIF DE FILTRAGE INDUCTIF ET ARCHITECTURE ELECTRIQUE METTANT EN APPLICATION LE DISPOSITIF DE FILTRAGE INDUCTIF**
[72] DUBOIS, ERIC RAVINDRANATH, FR
[72] KHERBOUCHI, HOCINE, FR
[72] LACAUX, FREDERIC, FR
[72] ANDRADE, DAMIAN, FR
[72] GUGUEN, STEPHANE, FR
[71] THALES, FR
[22] 2020-04-30
[41] 2020-11-02
[30] FR (1904575) 2019-05-02

[21] **3,080,285**
[13] A1
[51] **Int.Cl. G12B 5/00 (2006.01) H04W 4/38 (2018.01) B60P 3/36 (2006.01)**
[25] EN
[54] **VEHICLE LEVELING USING HANDHELD MOBILE DEVICE**
[54] **NIVELLEMENT DU VEHICULE UTILISANT UN DISPOSITIF MOBILE PORTATIF**
[72] MANFREDA, JOHN PETER, US
[71] LIPPERT COMPONENTS, INC., US
[22] 2020-05-05
[41] 2020-11-07
[30] US (62/844,200) 2019-05-07

[21] **3,080,298**
[13] A1
[51] **Int.Cl. C09D 11/52 (2014.01)**
[25] EN
[54] **CONDUCTIVE INK COMPOSITION AND ARTICLE OF MANUFACTURE MADE THEREFROM**
[54] **COMPOSITION D'ENCRE CONDUCTRICE ET ARTICLE FABRIQUE A PARTIR DE CELLE-CI**
[72] VELLA, SARAH J., CA
[72] ZHU, YUJIE, CA
[72] MCGUIRE, GREGORY, CA
[71] XEROX CORPORATION, US
[22] 2020-05-04
[41] 2020-11-07
[30] US (16/405806) 2019-05-07

[21] **3,080,337**
[13] A1
[51] **Int.Cl. E21B 19/24 (2006.01)**
[25] EN
[54] **ROD CENTRALIZER AND SOLIDS CONTROL ASSEMBLY**
[54] **ENSEMBLE CENTREURS DE TIGE ET CONTROLE DES MATIERES SOLIDES**
[72] FORD, MICHAEL BRENT, US
[71] FORD, MICHAEL BRENT, US
[22] 2020-05-01
[41] 2020-11-03
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[30] US (16/848428) 2020-04-14

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[54] **CONSTRUCTION D`UN CONVOYEUR EN SPIRAL ET UNE TOUR D'ENTRAINEMENT**
[72] BUTER, GERM, NL
[72] ANDERSEN, KENNETH WESTERGAARD, DK
[71] AMMERAAL BELTECH MODULAR A/S, DK
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[30] DK (PA 2019 70282) 2019-05-02

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[54] **JOURNAL BEARING ASSEMBLY WITH DUAL OIL CAVITIES**
[54] **ENSEMBLE PALIER LISSE AVEC CAVITES D'HUILE DOUBLES**
[72] MARTIN, BRUNO, CA
[72] BRILLON, LOUIS, CA
[72] SIMARD-BERGERON, JULIEN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
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[41] 2020-11-03
[30] US (16/403,002) 2019-05-03

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[54] **AUTOCLAVE AERATED CONCRETE STRUCTURES WITH EMBEDDED HANGERS AND CONNECTORS**
[54] **STRUCTURE DE BETON AERE PAR AUTOCLAVE AVEC SUPPORTS ET CONNECTEURS INTEGRES**
[72] FOSTER, MATTHEW, US
[71] THERMACRETE LLC, US
[22] 2020-05-05
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[30] US (16/405.459) 2019-05-07

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[54] **FINE BLANKING SYSTEM AND METHOD FOR OPERATING THE SAME**
[54] **SYSTEME DE DECOUPAGE DE PRECISION ET PROCEDE POUR SON FONCTIONNEMENT**
[72] LOZANO BONET, JOSE, DE
[71] LAPMASTER WOLTERS GMBH, DE
[22] 2020-05-06
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[30] EP (19172772.6) 2019-05-06

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[25] EN
[54] **BATTERY STORAGE SYSTEM FOR ELECTRIC REFUSE VEHICLE**
[54] **SYSTEME DE STOCKAGE DE BATTERIE POUR VEHICULE A ORDURES ELECTRIQUE**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[71] OSHKOSH CORPORATION, US
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[54] **CARRY CAN FOR REFUSE VEHICLE**
[54] **BAC DE RETENUE POUR VEHICULE A ORDURES**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[71] OSHKOSH CORPORATION, US
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[54] **REAR LIFT ASSEMBLY FOR REFUSE VEHICLE**
[54] **ENSEMBLE LEVAGE ARRIERE POUR VEHICULE A ORDURES**
[72] ROCHOLL, JOSHUA D., US
[72] WENTE, DEREK A., US
[72] KELLANDER, JOHN T., US
[72] CLIFTON, CODY D., US
[72] HOOVER, VINCENT, US
[72] KLEIN, ZACHARY L., US
[72] WECKWERTH, CLINTON T., US
[72] WACHTER, SKYLAR A., US
[72] KOTLOSKI, ANDREW, US
[72] BUEGE, WALLACE, US
[72] BINDER, CALEB, US
[72] SCHIMKE, MARTIN J., US
[71] OSHKOSH CORPORATION, US
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[54] **ELECTRIC GRASPING APPARATUS FOR REFUSE VEHICLE**
[54] **APPAREIL DE PREHENSION ELECTRIQUE POUR VEHICULE A ORDURES**
[72] BUEGE, WALLACE, US
[72] SCHIMKE, MARTIN, US
[72] ROCHOLL, JOSHUA D., US
[72] KAPPERS, JERROD, US
[72] KOTLOSKI, ANDREW, US
[71] OSHKOSH CORPORATION, US
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[54] **LED LIGHTING SYSTEM**
[54] **BALISAGE LUMINEUX DEL**
[72] SHAN, XINXIN, CA
[71] LED SMART INC., CA
[22] 2020-05-07
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[54] **REFUSE VEHICLE WITH ELECTRIC LIFT**
[54] **VEHICULE A ORDURES DOTE D'UN LEVAGE ELECTRIQUE**
[72] BUEGE, WALLACE, US
[72] SCHIMKE, MARTIN, US
[72] ROCHOLL, JOSHUA D., US
[72] KAPPERS, JERROD, US
[72] KOTLOSKI, ANDREW, US
[71] OSHKOSH CORPORATION, US
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[25] EN
[54] **ENGINEERED BEAM WITH ADJUSTABLE ANGLE CONNECTION**
[54] **FAISCEAU D`INGENIERIE AVEC CONNECTEUR ANGULAIRE REGLABLE**
[72] BERDICHEVSKY, STANISLAV, US
[71] BERDICHEVSKY, STANISLAV, US
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[54] **DISPOSABLE TOILET-SEAT COVER AND METHOD OF USING SAME**
[54] **HOUSSE DE SIEGE DE TOILETTE JETABLE ET PROCEDE D`UTILISATION**
[72] MOJTABAIE, ALI, CA
[71] MOJTABAIE, ALI, CA
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[54] **MULTI CHILD STROLLER**
[54] **POUSSETTE POUR PLUSIEURS ENFANTS**
[72] TAYLOR, ANDREW J., US
[72] HAUT, ROBERT E., US
[71] WONDERLAND SWITZERLAND AG, CH
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[25] EN
[54] **INTEGRATED HYDROGEN GAS GENERATOR WITH HYDROGEN WATER MODULE**
[54] **GENERATEUR D`HYDROGENE GAZEUX INTEGRE AVEC MODULE D'EAU HYDROGENEE**
[72] LIN, HSIN-YUNG, CN
[71] SHANGHAI ASCLEPIUS MEDITEC CO., LTD., CN
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[54] **SEMICONDUCTOR PACKAGE AND LIDAR TRANSMISSION UNIT**
[54] **EMPAQUETAGE SEMI-CONDUCTEUR ET UNITE DE TRANSMISSION LIDAR**
[72] HAKSPIEL, STEFAN, DE
[71] IBEO AUTOMOTIVE SYSTEMS GMBH, DE
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[54] **QUESTION AND ANSWER SYSTEM AND ASSOCIATED METHOD**
[54] **SYSTEME DE QUESTION ET REPONSE ET PROCEDE CONNEXE**
[72] MACDOUGALL, BLAIR, CA
[71] WATERFORD ENERGY SERVICES, INC., CA
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[54] **JIG SAW WITH CLAMPING MECHANISM**
[54] **SCIE SAUTEUSE AVEC MECANISME DE SERRAGE**
[72] HU, LEI, CN
[72] QIU, XIAO PING, CN
[72] YAN, JI ZHOU, CN
[71] TECHTRONIC CORDLESS GP, US
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[54] **VAPE CARTRIDGE ASSEMBLY**
[54] **ENSEMBLE DE CARTOUCHE DE VAPOTAGE**
[72] SCATTERDAY, MARK A., US
[71] SCATTERDAY, MARK A., US
[22] 2020-05-07
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[54] **MULTI CHILD STROLLER**
[54] **POUSSETTE POUR PLUSIEURS ENFANTS**
[72] TAYLOR, ANDREW J., US
[72] HAUT, ROBERT E., US
[71] WONDERLAND SWITZERLAND AG, CH
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[54] **EXPANDABLE BULB-HOLDING CLIP**
[54] **PINCE POUR RETENIR UNE AMPOULE EXTENSIBLE**
[72] FELT, DAVID RUSSEL, US
[71] RUSSEL WILLIAMS HOME SERVICES LLC, US
[22] 2020-05-06
[41] 2020-11-06
[30] US (16/404640) 2019-05-06

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[51] **Int.Cl. E04H 4/16 (2006.01)**
[25] FR
[54] **DUAL-FILTRATION POOL VACUUM CLEANER**
[54] **BALAI ASPIRATEUR A DOUBLE FILTRATION POUR LE NETTOYAGE DE PISCINES**
[72] ROUMAGNAC, MAX, FR
[72] BRUNEEL, JEAN, CN
[71] KOKIDO DEVELOPMENT LIMITED, CN
[22] 2020-05-06
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[25] EN
[54] **HYDRO ELECTRIC POWER GENERATION SYSTEM**
[54] **SYSTEME DE PRODUCTION D'ELECTRICITE HYDRO-ELECTRIQUE**
[72] KASTEN, GENE D., US
[71] KASTEN, GENE D., US
[22] 2020-04-29
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[51] **Int.Cl. H04B 17/17 (2015.01) H04B 17/29 (2015.01)**
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[54] **TEST INSTRUMENT FOR SOFTWARE COMMUNICATIONS ARCHITECTURE DEVICE TESTING**
[54] **INSTRUMENT D`ESSAI POUR LA MISE A L`ESSAI DU DISPOSITIF DE L`ARCHITECTURE DE COMMUNICATION LOGICIELLE**
[72] BERNIER, STEVE, CA
[71] VIAVI SOLUTIONS INC, US
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[25] EN
[54] **WIRELESS COMMUNICATIONS FOR ASYMMETRIC SERVICES**
[54] **COMMUNICATIONS SANS FIL POUR SERVICES ASYMETRIQUES**
[72] QIAO, WEIHUA, US
[72] DINAN, ESMAEL, US
[72] PARK, KYUNGMIN, US
[72] RYU, JINSOOK, US
[72] FARD, PEYMAN TALEBI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **SYSTEMS AND METHODS FOR OCULAR LASER SURGERY AND THERAPEUTIC TREATMENTS**
[54] **SYSTEMES ET PROCEDES POUR CHIRURGIE OCULAIRE AU LASER ET TRAITEMENTS THERAPEUTIQUES**
[72] HIPLSLEY, ANNMARIE, US
[72] HAGEN, CLEMENS, LI
[72] HEINRICH, ARNE, LI
[72] MESSNER, MANUEL, LI
[71] ACE VISION GROUP, INC., US
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[25] EN
[54] **A SYSTEM OF SECURING A GUIDE DEVICE TO A MOVING TWISTING DEVICE**
[54] **SYSTEME POUR FIXER UN APPAREIL GUIDE A UN DISPOSITIF DE TORSION MOBILE**
[72] AZARI, DVORA L., US
[71] AZARI, DVORA L., US
[22] 2020-05-20
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[30] US (62843500) 2019-05-05
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[54] **SYSTEM AND METHOD FOR GENERATION OF AN INTERACTIVE COLOR WORKSPACE**
[54] **SYSTEME ET PROCEDE POUR FABRIQUER UN ESPACE DE TRAVAIL INTERACTIF DE COULEURS**
[72] CHEVALIER, FANNY, CA
[72] SINGH, KARAN, CA
[72] SHUGRINA, MARIA, CA
[72] FIDLER, SANJA, CA
[72] ZHANG, WENJIA, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
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[41] 2020-11-03
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[25] EN
[54] **PRE-PERFORATED SUBSTRATE SEPARATOR AND INSERTION DEVCE FOR FOOD PREPARATION LINE PRE-PERFORATED SUBSTRATE**
[54] **SEPARATEUR DE SUBSTRAT PREPERFORE ET APPAREIL D'INSERTION POUR SUBSTRAT PREPERFORE DE LA GAMME DE PREPARATION ALIMENTAIRE**
[72] WARD, ANDREW, US
[72] CAPPS, JOHN, US
[72] PIETRINFERNI, DANTE, US
[71] PACKAGING PROGRESSIONS, INC., US
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[54] **SYSTEM, METHOD, AND APPARATUS FOR PLANTER WEIGHT TRANSFER**
[54] **SYSTEME, PROCEDE ET APPAREIL DE TRANSFERT DE POIDS DE LA PLANTEUSE**
[72] MARTIN, RONALD STEVE, US
[72] RILEY, ROBERT R., US
[71] MARTIN, RONALD STEVE, US
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[51] **Int.Cl. B01J 19/08 (2006.01)**
[25] EN
[54] **METHOD OF CHANGING A PROPERTY OF A POLAR LIQUID**
[54] **PROCEDE POUR CHANGER UNE CARACTERISTIQUE D'UN LIQUIDE POLAIRE**
[72] PARISIEN, BRIAN RUDY, CA
[72] FUNG, DAVID TAT FAI, CA
[72] VERED, RON, CA
[72] WIGHT, JAMES STUART, CA
[71] PARISIEN, BRIAN RUDY, CA
[71] FUNG, DAVID TAT FAI, CA
[71] VERED, RON, CA
[71] WIGHT, JAMES STUART, CA
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[54] **A COMMERCIAL OLEOPHILIC SIEVE SEPARATOR**
[54] **SEPARATEUR PAR TAMIS OLEOPHILE COMMERCIAL**
[72] KRUYER, JAN, CA
[71] KRUYER, JAN, CA
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[25] EN
[54] **INSTANT TRADITIONAL-CHINESE-MEDICINE DRIED POWDER FOR DECOCTION AND METHOD OF PREPARING AND USING SAME**
[54] **POUDRE SECHE DE MEDECINE TRADITIONNELLE CHINOISE INSTANTANEE POUR DECOCTION ET PROCEDE DE FABRICATION ET UTILISATION DE LADITE POUDRE**
[72] DU, WENMIN, CA
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[54] **APPAREIL DE CHAUFFAGE A SORTIE UNIQUE**
[72] IWAMOTO, YOSHIAKI, JP
[72] SAEKI, SHUHEI, JP
[71] DENGENSHA TOA CO., LTD., JP
[85] 2020-03-18
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[87] (3077783)
[30] JP (2019-087258) 2019-05-07

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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 8/30 (2018.01) G06F 7/00 (2006.01)**
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[54] **SYSTEM AND METHODS FOR LOADING OBJECTS FROM HASH CHAINS**
[54] **SYSTEME ET PROCEDE DE CHARGEMENT D'OBJETS A PARTIR DE CHAINES DE HACHAGE**
[72] PENTLAND, IAN, US
[71] INTUIT INC., US
[85] 2020-07-21
[86] 2019-07-25 (PCT/US2019/043489)
[87] (3089289)
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[25] EN
[54] **SYSTEMS AND METHODS FOR HASH CHAIN MIGRATION**
[54] **SYSTEMES ET METHODES POUR LA MIGRATION DE CHAINES DE HACHAGE**
[72] SCOTT, GLENN, US
[72] GABRIEL, MICHAEL RICHARD, US
[71] INTUIT INC., US
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[54] **THERAPEUTIC AGENT FOR HEPATOCELLULAR CARCINOMA**
[54] **AGENT THERAPEUTIQUE POUR LE CARCINOME HEPATOCELLULAIRE**
[72] YAMAGUCHI, ATSUMI, JP
[72] SHIMIZU, HAJIME, JP
[72] GODA, SATOSHI, JP
[72] MIYANO, SAORI, JP
[71] EISAI R&D MANAGEMENT CO., LTD., JP
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[72] COLEMAN, FERGAL, GB
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[71] GREEN LIZARD TECHNOLOGIES LTD, GB
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[54] **SYSTEME ET PROCEDE D'UTILISATION D'EQUIPEMENT D'OUTILLAGE CHIRURGICAL AVEC DES INTERFACES UTILISATEUR GRAPHIQUES**
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[72] GRUENDIG, MARTIN, DE
[71] ALCON INC., CH
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[54] **DISPOSITIF DE CONDITIONNEMENT POUR LA REGULATION D'UN FLUIDE SOUS FORME GAZEUSE OU LIQUIDE A UNE TEMPERATURE DE CONSIGNE CONSTANTE**
[72] REIBENSCHUH, MARKO, SI
[72] VOLK, ALEXANDER, AT
[72] TINAUER, PATRICK, AT
[72] BURAZER, VEDRAN, AT
[72] STEINHOFLER, ANDRE, AT
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[72] FROMONT, CHRISTOPHE, GB
[72] STEVENSON, BRETT, GB
[72] BUTTERWORTH, SAM, GB
[72] IACOBINI, GREG, GB
[72] GRECO, GRAZIELLA, GB
[72] SANZ, MIGUEL GARZON, GB
[72] JONES, HEULYN, GB
[72] KAUR, DIVNEET, GB
[71] THE UNIVERSITY OF MANCHESTER, GB
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[54] **ASSEMBLING AND CENTERING STRUCTURE FOR PROCESSING TOOL**
[54] **STRUCTURE D'ASSEMBLAGE ET DE CENTRAGE POUR OUTIL DE TRAITEMENT**
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[71] YIH TROUN ENTERPRISE CO., LTD., CN
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[54] **A CONTROL DEVICE FOR AN ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **DISPOSITIF DE COMMANDE POUR UN SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE**
[72] MOLONEY, PATRICK, GB
[72] KORUS, ANTON, GB
[72] CHAN, JUSTIN HAN YANG, GB
[71] NICOVENTURES TRADING LIMITED, GB
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[54] **FACEMASKS AND METHOD FOR MANUFACTURING THE SAME**
[54] **MASQUES FACIAUX ET LEUR PROCEDE DE FABRICATION**
[72] HARRINGTON, DAVID L., US
[72] STEINDORF, ERIC C., US
[72] SPENCER, ANTHONY STEPHEN, US
[72] WEBER, JOSEPH P., US
[72] PAMPERIN, MARK T., US
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[54] **PROCEDE ET APPAREIL POUR SEPARER UNE COMPOSITION DE MATIERE PARTICULAIRE TRANSPORTEE PAR UN FLUX GAZEUX**
[72] SACCANI, CESARE, IT
[72] BIANCHINI, AUGUSTO, IT
[71] ALMA MATER STUDIORUM - UNIVERSITA' DI BOLOGNA, IT
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[54] **SYSTEME MOBILE DE TRAITE AUTOMATIQUE D'ANIMAL**
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[71] THEILER, JOSEF, CA
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[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF DEMYELINATION**
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[72] CHEVION, MORDECHAI, IL
[72] VINOKUR, VLADIMIR, IL
[71] CHEVION, MORDECHAI, IL
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[54] **MOLECULE D'ADN CODANT POUR UNE 5'UTR PERMETTANT UNE EXPRESSION ELEVEE DE PROTEINES RECOMBINANTES DANS DES MONOCOTYLEDONES**
[72] KATO, KO, JP
[71] NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE AND TECHNOLOGY, JP
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[54] **COATING NOZZLE CLEANING METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE NETTOYAGE DE BUSE DE REVETEMENT**
[72] ODA, KOJI, JP
[72] HOSHINO, TAKAYUKI, JP
[72] RYU, HIDEKAZU, JP
[72] KITSUGI, SATOSHI, JP
[71] HONDA MOTOR CO., LTD., JP
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[54] **CONE FILLING APPARATUS AND RELATED METHODS**
[54] **APPAREIL DE REMPLISSAGE DE CONE ET PROCEDES CORRESPONDANTS**
[72] BOUCHER, LUC, CA
[72] MULLINS, TORRIN, CA
[72] TUTTON, JOHN, CA
[72] WATTERS, ROBERT, CA
[71] CANOPY GROWTH CORPORATION, CA
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[54] **CONE STAGING APPARATUS AND RELATED METHODS**
[54] **APPAREIL D'ETAGEMENT DE CONES ET PROCEDES CORRESPONDANTS**
[72] BOUCHER, LUC, CA
[72] SIROIS, MIKE, CA
[71] CANOPY GROWTH CORPORATION, CA
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[54] **DETECTION D'ETIQUETTE MOBILE ET DETERMINATION D'EMPLACEMENT**
[72] KEAL, WILLIAM KERRY, US
[71] ENLIGHTED, INC., US
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[54] **STRIP LINE DIRECTIONAL COUPLER AND METHOD FOR ADJUSTING A COUPLING DEGREE THEREOF**
[54] **COUPLEUR DIRECTIONNEL DE LIGNE RUBAN ET PROCEDE DE REGLAGE DE DEGRE DE COUPLAGE ASSOCIE**
[72] CEN, XUANLIANG, CN
[72] CHEN, HONGLIANG, CN
[72] LAI, ZHANJUN, CN
[71] COMBA TELECOM TECHNOLOGY (GUANGZHOU) LIMITED, CN
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[54] **COMPOSITION PHARMACEUTIQUE D'EDARAVONE**
[72] WANG, YILONG, CN
[72] WANG, YONGJUN, CN
[72] ZHAO, XINGQUAN, CN
[72] ZHANG, ANYUAN, CN
[71] BEIJING TIANTAN HOSPITAL, CAPITAL MEDICAL UNIVERSITY, CN
[71] NANJING BAIXINYU PHARMACEUTICAL CO. LTD., CN
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[54] **ANTICORPS DE LIAISON A PD-1 ET LEURS UTILISATIONS**
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[72] CHEN, MINGJIU, CN
[72] TAN, WEI, CN
[72] TANG, YONG, CN
[72] LI, SHENGWEI, CN
[72] ZHOU, MING, CN
[71] SALUBRIS (CHENGDU) BIOTECH CO., LTD, CN
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[54] **METHODE POUR PREVENIR OU TRAITER LES EFFETS SECONDAIRES D'UNE CANCEROTHERAPIE**
[72] ZHANG, SHIYI, CN
[72] WU, ZHAOYU, CN
[72] LIU, CHAO, CN
[72] YANG, LINAN, CN
[72] CHEN, LEYING, CN
[72] LUO, JIE, CN
[71] ONQUALITY PHARMACEUTICALS CHINA LTD., CN
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[54] **REDUCED BIAS SUBMISSION REVIEW SYSTEM**
[54] **SYSTEME D'EXAMEN DE DEMANDE A SOLLICITATION REDUITE**
[72] LEWIS, JEFFREY S., US
[71] EDUPRESENT LLC, US
[85] 2020-10-14
[86] 2018-04-18 (PCT/US2018/028179)
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[54] **BORONIC ACID DERIVATIVES AND THERAPEUTIC USES THEREOF**
[54] **DERIVES D'ACIDE BORONIQUE ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] REDDY, RAJA K., US
[72] HECKER, SCOTT J., US
[71] QPEX BIOPHARMA, INC., US
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[25] EN
[54] **APPARATUS AND METHODS FOR INTEGRATED HIGH-CAPACITY DATA AND WIRELESS NETWORK SERVICES**
[54] **APPAREIL ET PROCEDES POUR L'INTEGRATION DE SERVICES DE RESEAU SANS FIL ET DE RESEAU DE DONNEES DE GRANDE CAPACITE**
[72] JAYAWARDENE, DIWELAWATTE, US
[72] JINDAL, MANISH, US
[72] DAS, PRATIK, US
[71] CHARTER COMMUNICATION OPERATING, LLC, US
[85] 2020-10-14
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[54] **CONJUGUES DE PEPTIDES D'ECOTROPISME DU CARTILAGE**
[72] HOPPING, GENE GREGORY, US
[72] SIMON, JULIAN A., US
[72] YIN, CHUNFENG, US
[72] MEHLIN, CHRISTOPHER, US
[72] COOK SANGAR, MICHELLE L., US
[72] MHYRE, ANDREW JAMES, US
[72] BEATY, JOSEPH MICHAEL, US
[72] OLSON, JAMES, US
[71] FRED HUTCHINSON CANCER RESEARCH CENTER, US
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[25] EN
[54] **APPARATUS AND METHODS FOR ENABLING MOBILITY OF A USER DEVICE IN AN ENHANCED WIRELESS NETWORK**
[54] **APPAREIL ET PROCEDES POUR PERMETTRE LA MOBILITE D'UN DISPOSITIF UTILISATEUR DANS UN RESEAU SANS FIL AMELIORE**
[72] JAYAWARDENE, DIWELAWATTE, US
[72] JINDAL, MANISH, US
[72] DAS, PRATIK, US
[71] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2020-10-14
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[54] **SYSTEM AND METHOD FOR ENHANCED RECOVERY OF ARGON AND OXYGEN FROM A NITROGEN PRODUCING CRYOGENIC AIR SEPARATION UNIT**
[54] **SYSTEME ET PROCEDE DE RECUPERATION AMELIOREE D'ARGON ET D'OXYGENE A PARTIR D'UNE UNITE DE SEPARATION D'AIR CRYOGENIQUE PRODUISANT DE L'AZOTE**
[72] PROSSER, NEIL M., US
[72] KROMER, BRIAN R., US
[72] HANDLEY, JAMES R., US
[71] PRAXAIR TECHNOLOGY, INC., US
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[54] **T-CELL EXHAUSTION, & METHODS & COMPOSITIONS RELATING THERETO**
[54] **EPUISEMENT DE LYMPHOCYTES T, ET PROCEDES ET COMPOSITIONS ASSOCIES**
[72] VARDHANA, SANTOSHA, US
[72] FINLEY, LYDIA WHITNEY STILLMAN, US
[72] THOMPSON, CRAIG B., US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[54] **ASPIRATEUR**
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[72] KUDO, TAKAHISA, JP
[72] INAGAKI, MICHIHIRO, JP
[72] INOUE, JUMPEI, JP
[72] ABE, YUKI, JP
[72] GEERNAERT, ADAM, GB
[72] RUBICONI, FRANCK, GB
[72] COX, SIMON, GB
[72] RISHI, JOBANPUTRA, GB
[71] JAPAN TOBACCO INC., JP
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[30] JP (PCT/JP2018/046712) 2018-12-19

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[51] **Int.Cl. A61F 2/24 (2006.01) A61F 2/95 (2013.01)**
[25] EN
[54] **EASY-TO-CONTROL INTERVENTIONAL INSTRUMENT DELIVERY DEVICE**
[54] **DISPOSITIF DE POSE D'INSTRUMENT D'INTERVENTION FACILE A CONTROLER**
[72] ZHANG, ZHIFEI, CN
[72] ZI, ZHENJUN, CN
[72] ZENG, MIN FRANK, US
[72] GONG, QUANGANG, CN
[71] VENUS MEDTECH (HANGZHOU) INC., CN
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[87] (WO2019/080857)
[30] CN (201710999545.1) 2017-10-24
[30] CN (201810509283.0) 2018-05-24
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[54] **PROCESSING RARE EARTH SULPHATE SOLUTIONS**
[54] **TRAITEMENT DE SOLUTIONS DE SULFATE DE TERRE RARE**
[72] ELLIOT, ALEXANDER DEAN, AU
[71] ARAFURA RESOURCES LIMITED, AU
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[25] EN
[54] **LATTICE METAMATERIAL HAVING PROGRAMED THERMAL EXPANSION**
[54] **METAMATERIAU EN TREILLIS AYANT UNE DILATATION THERMIQUE PROGRAMMEE**
[72] PASINI, DAMIANO, CA
[72] ZU, HANG, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSITY, CA
[85] 2020-10-15
[86] 2018-06-14 (PCT/CA2018/050723)
[87] (WO2018/227302)
[30] US (62/519,530) 2017-06-14

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[25] EN
[54] **WOBBLE BOARD**
[54] **PLANCHE OSCILLANTE**
[72] WILSON, CHRIS, CA
[72] BAKER, JOEL, CA
[72] ABELLERA, STEPHEN, CA
[71] DRG ENGINEERING, CA
[85] 2020-10-15
[86] 2019-04-12 (PCT/CA2019/050446)
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[30] US (62/657,983) 2018-04-16

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[25] EN
[54] **COMPOSITIONS FOR TRANSFECTING RESISTANT CELL TYPES**
[54] **COMPOSITIONS POUR LA TRANSFECTION DE TYPES DE CELLULES RESISTANTES**
[72] THOMAS, ANITHA, CA
[72] BROWN, ANDREW WILLIAM, CA
[72] DE SOUZA, REBECCA ANNE GRACE, CA
[72] FERNANDEZ, TARA L, CA
[71] PRECISION NANOSYSTEMS INC., CA
[85] 2020-10-15
[86] 2019-04-15 (PCT/CA2019/050456)
[87] (WO2019/210394)
[30] US (62/664,208) 2018-04-29

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[54] **SYNTHESIS OF ZINC MOF MATERIALS**
[54] **SYNTHESE DE MATERIAUX A STRUCTURE ORGANOMETALLIQUE A BASE DE ZINC**
[72] MAH, ROGER K., CA
[72] SHIMIZU, GEORGE K.H., CA
[72] TAYLOR, JARED M., CA
[71] UTI LIMITED PARTNERSHIP, CA
[85] 2020-10-15
[86] 2019-04-25 (PCT/CA2019/050530)
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[25] EN
[54] **HYDROSTATIC SOLVENT DISPENSER**
[54] **DISTRIBUTEUR DE SOLVANT HYDROSTATIQUE**
[72] AL RAYYES, ZAID, CA
[71] AL RAYYES, ZAID, CA
[85] 2020-10-15
[86] 2019-04-30 (PCT/CA2019/050559)
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[51] **Int.Cl. H01M 4/13 (2010.01)**
[25] EN
[54] **ETHYL CELLULOSE AS A DISPERSANT FOR LITHIUM ION BATTERY CATHODE PRODUCTION**
[54] **ETHYLECELLULOSE UTILE EN TANT QUE DISPERSANT POUR LA PRODUCTION DE CATHODE DE BATTERIE AU LITHIUM-ION**
[72] JIANG, XIN, CN
[72] JIANG, QI, CN
[72] REN, HUA, CN
[72] MU, JIANHAI, CN
[72] KIM, EUNGKYU, US
[72] OHBA, KAORU, JP
[72] KIM, JONG-CHEOL, KR
[72] WANG, ZHUO, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] DOW CHEMICAL KOREA LIMITED, KR
[85] 2020-10-15
[86] 2018-04-27 (PCT/CN2018/084772)
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[51] **Int.Cl. H04W 16/14 (2009.01) H04W 74/00 (2009.01)**
[25] EN
[54] **WIRELESS COMMUNICATION METHOD AND DEVICE FOR UNLICENSED SPECTRUM**
[54] **PROCEDE DE COMMUNICATION SANS FIL DESTINE A UN SPECTRE SANS LICENCE, ET DISPOSITIF**
[72] WU, ZUOMIN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-10-15
[86] 2019-01-18 (PCT/CN2019/072358)
[87] (WO2020/147115)

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[51] **Int.Cl. H01M 4/02 (2006.01) H01M 4/04 (2006.01)**
[25] EN
[54] **SOLVENT SYSTEMS FOR USE IN LITHIUM ION BATTERY PRODUCTION**
[54] **SYSTEMES DE SOLVANT DESTINES A ETRE UTILISES DANS LA PRODUCTION DE BATTERIE AU LITHIUM-ION**
[72] JIANG, XIN, CN
[72] JIANG, QI, CN
[72] REN, HUA, CN
[72] MU, JIANHAI, CN
[72] KIM, EUNGKYU, US
[72] OHBA, KAORU, JP
[72] KIM, JONG-CHEOL, KR
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] DOW CHEMICAL KOREA LIMITED, KR
[85] 2020-10-15
[86] 2018-04-27 (PCT/CN2018/084773)
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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD, TERMINAL EQUIPMENT AND NETWORK EQUIPMENT FOR REPEATEDLY TRANSMITTING INFORMATION**
[54] **PROCEDE, EQUIPEMENT TERMINAL ET EQUIPEMENT DE RESEAU PERMETTANT DE TRANSMETTRE DES INFORMATIONS DE FACON REPETEE**
[72] LIN, YANAN, CN
[72] XU, JING, CN
[72] SHI, CONG, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-10-15
[86] 2018-10-12 (PCT/CN2018/110143)
[87] (WO2020/073336)

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[13] A1
[51] **Int.Cl. B66B 7/10 (2006.01) B66B 7/06 (2006.01)**
[25] EN
[54] **CIRCULAR DISTRIBUTION TYPE FRICTION HOISTING SYSTEM FOR ULTRA-DEEP VERTICAL SHAFT**
[54] **SYSTEME DE LEVAGE A FROTTEMENT REPARTI DE MANIERE ANNULAIRE DE PUITS VERTICAL ULTRA-PROFOND**
[72] CAO, GUOHUA, CN
[72] ZHU, ZHENCAI, CN
[72] PENG, YUXING, CN
[72] ZHOU, GONGBO, CN
[72] LU, HAO, CN
[72] TANG, YU, CN
[72] LI, XIANG, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
[85] 2020-10-15
[86] 2019-09-12 (PCT/CN2019/105543)
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[51] **Int.Cl. A45F 3/04 (2006.01) E05B 73/00 (2006.01)**
[25] EN
[54] **REAR ANTI-THEFT PROTECTION MECHANISM WITH MAGNETIC OPENING AND SELF-ADJUSTING STRAP SYSTEM FOR STORAGE ITEMS SUCH AS BRIEFCASES, BACKPACKS OR SUITCASES**
[54] **MECANISME ARRIERE DE PROTECTION ANTIVOL A OUVERTURE MAGNETIQUE ET SYSTEME DE SANGLES AUTO-REGLABLES POUR OBJETS DESTINES A PROTEGERDES ELEMENTS COMME, PAR EXEMPLE, DES MALLETTES, DES SACS A DOS OU DES VALISES**
[72] MEJIA PLATA, CAMILO, CO
[71] THE FRENCHIE GROUP S.A.S., CO
[85] 2020-10-15
[86] 2019-03-05 (PCT/CO2019/000003)
[87] (WO2019/201358)
[30] CO (NC2018/0004107) 2018-04-17

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[51] **Int.Cl. G01B 11/06 (2006.01) G01N 21/3581 (2014.01) G01S 13/88 (2006.01) G01S 17/00 (2020.01)**
[25] EN
[54] **METHOD AND THZ MEASURING DEVICE FOR MEASURING A MEASUREMENT OBJECT USING ELECTROMAGNETIC RADIATION**
[54] **PROCEDE ET APPAREIL DE MESURE THZ PERMETTANT DE MESURER UN OBJET DE MESURE AU MOYEN DU RAYONNEMENT ELECTROMAGNETIQUE**
[72] KLOSE, RALPH, DE
[71] INOEX GMBH INNOVATIONEN UND AUSRUSTUNGEN FUR DIE EXTRUSIONSTECHNIK, DE
[85] 2020-10-15
[86] 2019-04-18 (PCT/DE2019/100366)
[87] (WO2019/201396)
[30] DE (10 2018 109 250.4) 2018-04-18

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[51] **Int.Cl. E21C 35/197 (2006.01) B28D 1/18 (2006.01)**
[25] EN
[54] **MILLING PICK**
[54] **FRAISE-TREPAN**
[72] FRIEDERICHS, HEIKO, DE
[72] KRAMER, ULRICH, DE
[71] BETEK GMBH & CO. KG, DE
[85] 2020-10-15
[86] 2019-03-19 (PCT/EP2019/056859)
[87] (WO2019/201534)
[30] DE (10 2018 109 150.8) 2018-04-17

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[51] **Int.Cl. B65D 5/66 (2006.01) B31B 50/59 (2017.01) B65D 5/00 (2006.01)**
[25] EN
[54] **CLAMSHELL PACKAGING FOR AIRTIGHT PACKAGING OF FOODSTUFF**
[54] **BLISTER DOUBLE COQUE POUR EMBALLAGE ETANCHE A L'AIR DE PRODUITS ALIMENTAIRES**
[72] ZWAGA, RONALD, NL
[72] BUIS, GERRIT ARIE, NL
[72] TASMA, ALAIN WIETSE BASTIAAN, NL
[72] DE OLDE, REMI, NL
[71] PACKABLE B.V., NL
[85] 2020-10-15
[86] 2019-04-11 (PCT/EP2019/059297)
[87] (WO2019/201746)
[30] EP (18167996.0) 2018-04-18

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[51] **Int.Cl. A01N 25/02 (2006.01) A61K 35/741 (2015.01) A23K 10/18 (2016.01) A23K 20/20 (2016.01) A01N 25/30 (2006.01) A01N 63/00 (2020.01) C08G 77/46 (2006.01)**
[25] EN
[54] **BIOCOMPATIBLE SILOXANES FOR FORMULATION OF MICROORGANISMS**
[54] **SILOXANES BIOCOMPATIBLES POUR LA FORMULATION DE MICRO-ORGANISMES**
[72] HANSEL, RENE, DE
[72] SKRABANIA, KATJA, DE
[72] KLEINEN, JOCHEN, DE
[72] FERENZ, MICHAEL, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-10-15
[86] 2019-04-12 (PCT/EP2019/059432)
[87] (WO2019/201777)
[30] EP (18168183.4) 2018-04-19

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[13] A1
[51] **Int.Cl. F01D 5/02 (2006.01) G01M 1/02 (2006.01) G01M 1/22 (2006.01) G01M 1/32 (2006.01)**
[25] EN
[54] **ROTOR BALANCING METHOD AND APPARATUS**
[54] **APPAREIL ET PROCEDE D'EQUILIBRAGE DE ROTOR**
[72] MENG, ZHIQIANG, GB
[71] SIEMENS GAS AND POWER GMBH & CO. KG, DE
[85] 2020-10-15
[86] 2019-04-18 (PCT/EP2019/060084)
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[30] EP (18171632.5) 2018-05-09

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[51] **Int.Cl. C10M 143/12 (2006.01) C10M 171/02 (2006.01)**
[25] EN
[54] **LUBRICANT COMPOSITION FOR INDUSTRIAL ENGINES WITH ENHANCED FE POTENTIAL**
[54] **COMPOSITION LUBRIFIANTE POUR MOTEURS INDUSTRIELS A POTENTIEL FE AMPLIFIE**
[72] GAVAND, STEPHANE, FR
[72] OPPILLIART, SOPHIE, FR
[72] LAMY, BERNARD, FR
[71] TOTAL MARKETING SERVICES, FR
[85] 2020-10-15
[86] 2019-04-19 (PCT/EP2019/060237)
[87] (WO2019/202150)
[30] FR (1853494) 2018-04-20

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 9/10 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODIES TARGETING GLYCOPROTEIN VI**
[54] **ANTICORPS CIBLANT LA GLYCOPROTEINE VI**
[72] UHLAND, KERSTIN, DE
[72] NEUGEBAUER, JULIA, DE
[72] RUNZ, STEFFEN, DE
[71] MORPHOSYS AG, DE
[85] 2020-10-15
[86] 2019-05-15 (PCT/EP2019/062522)
[87] (WO2019/219765)
[30] EP (18172736.3) 2018-05-16

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[51] **Int.Cl. C07F 9/6512 (2006.01) A61K 31/675 (2006.01) A61P 31/14 (2006.01) A61P 31/20 (2006.01)**
[25] EN
[54] **NEW ANTIVIRAL ACYCLONUCLEOSIDE ANALOGUES**
[54] **NOUVEAUX ANALOGUES D'ACYCLONUCLEOSIDES ANTIVIRAUX**
[72] AGROFOGLIO, LUIGI, FR
[72] ROY, VINCENT, FR
[72] DE SCHUTTER, CORALIE, FR
[72] BESSIERES, MAXIME, FR
[72] GALLARDO, FRANCK, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] UNIVERSITE D'ORLEANS, FR
[71] NEOVIRTECH, FR
[85] 2020-10-15
[86] 2019-04-23 (PCT/EP2019/060366)
[87] (WO2019/206907)
[30] EP (18305498.0) 2018-04-23

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[13] A1
[51] **Int.Cl. A61N 2/12 (2006.01) A61N 2/02 (2006.01)**
[25] FR
[54] **DEVICE FOR GENERATING A VERY-LOW-FREQUENCY PULSED MAGNETIC FIELD CARRIED BY A VERY-LOW-FREQUENCY ALTERNATING MAGNETIC FIELD**
[54] **APPAREIL POUR GENERER UN CHAMP MAGNETIQUE PULSE A TRES BASSE FREQUENCE PORTE PAR UN CHAMP MAGNETIQUE ALTERNATIF A TRES BASSE FREQUENCE**
[72] CREPIN, GERARD, FR
[72] RUDENT, PASCAL, FR
[71] G.C. TECHNOLOGY, FR
[85] 2020-10-15
[86] 2019-05-15 (PCT/FR2019/051109)
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[13] A1
[51] **Int.Cl. A01J 7/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN MILKING SYSTEMS**
[54] **AMELIORATIONS DE SYSTEMES DE TRAITE**
[72] MARSHALL, WILLIAM SHAW, GB
[71] CHAMBERS BROS (1999) RETIREMENT AND DEATH BENEFIT SCHEME, GB
[85] 2020-10-15
[86] 2019-03-21 (PCT/GB2019/050807)
[87] (WO2019/202289)
[30] GB (1806199.4) 2018-04-16

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[51] **Int.Cl. A61K 9/10 (2006.01) A61K 38/09 (2006.01) A61P 5/30 (2006.01) A61P 15/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR TREATING ONE OR MORE ESTROGEN RELATED DISEASES**
[54] **COMPOSITION POUR TRAITER UNE OU PLUSIEURS MALADIES LIEES AUX □STROGENES**
[72] LARSEN, FINN, GB
[72] MACLEAN, CAROL MARION, GB
[71] LIFEARC, GB
[85] 2020-10-15
[86] 2019-04-25 (PCT/EP2019/060570)
[87] (WO2019/207026)
[30] EP (18169419.1) 2018-04-26

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[13] A1
[51] **Int.Cl. B64C 27/18 (2006.01) B64D 27/02 (2006.01)**
[25] EN
[54] **ROTARY-WINGED VEHICLE SYSTEMS AND DEVICES**
[54] **SYSTEMES DE VEHICULE A VOILURE TOURNANTE ET DISPOSITIFS ASSOCIES**
[72] CLIFT, VAUGHAN LENNOX, US
[71] VENTURE AEROSPACE, LLC, US
[85] 2020-10-14
[86] 2019-04-13 (PCT/US2019/027413)
[87] (WO2019/204175)
[30] US (62/657,851) 2018-04-15

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[13] A1
[51] **Int.Cl. C11B 3/00 (2006.01) A23D 9/013 (2006.01) C12N 9/16 (2006.01)**
[25] EN
[54] **PROCESS FOR ENZYMATIC OIL DEGUMMING**
[54] **PROCEDE DE DEMUCILAGINATION HUILEUSE ENZYMATIQUE**
[72] ZHA, YING, NL
[72] SEIN, ARJEN, NL
[72] BIJLEVELD, WILLEM, NL
[71] DSM IP ASSETS B.V., NL
[85] 2020-10-15
[86] 2019-05-06 (PCT/EP2019/061538)
[87] (WO2019/215078)
[30] EP (18171015.3) 2018-05-07

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[13] A1
[51] **Int.Cl. B24D 5/02 (2006.01) B24D 5/06 (2006.01) B24D 11/02 (2006.01)**
[25] EN
[54] **SUPPORTING BODY FOR A GRINDING TOOL AND METHOD FOR PRODUCING A SUPPORTING BODY**
[54] **CORPS DE SUPPORT POUR UN OUTIL DE PONCAGE ET PROCEDE SERVANT A FABRIQUER UN CORPS DE SUPPORT**
[72] MAYRHOFER, KARL, AT
[71] TYROLIT - SCHLEIFMITTELWERKE SWAROVSKI K.G., AT
[85] 2020-10-13
[86] 2019-04-30 (PCT/AT2019/060146)
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[30] AT (A 50455/2018) 2018-06-07

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[51] **Int.Cl. H01M 8/02 (2016.01) B33Y 10/00 (2015.01) H01M 8/0206 (2016.01) H01M 8/0215 (2016.01) H01M 8/0228 (2016.01) H01M 8/0286 (2016.01)**
[25] EN
[54] **PROTECTION OF A METAL SUBSTRATE FOR SOLID OXIDE FUEL CELLS BY INKJET PRINTING**
[54] **PROTECTION D'UN SUBSTRAT METALLIQUE POUR PILES A COMBUSTIBLE A OXYDE SOLIDE PAR IMPRESSION A JET D'ENCRE**
[72] MONTINARO, DARIO, IT
[72] MENATO, CHRISTIAN, IT
[71] SOLIDPOWER S.P.A., IT
[85] 2020-10-15
[86] 2019-02-21 (PCT/IB2019/051426)
[87] (WO2019/202413)
[30] IT (102018000004765) 2018-04-20

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[13] A1
[51] **Int.Cl. C01B 32/19 (2017.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF PRISTINE GRAPHENE FROM KISH GRAPHITE**
[54] **PROCEDE DE FABRICATION DE GRAPHENE PUR A PARTIR DE GRAPHITE PRIMAIRE**
[72] VU, THI TAN, ES
[72] PEREZ VIDAL, OSCAR, ES
[72] SUAREZ SANCHEZ, ROBERTO, ES
[71] ARCELORMITTAL, LU
[85] 2020-10-15
[86] 2019-04-05 (PCT/IB2019/052803)
[87] (WO2019/220226)
[30] IB (PCT/IB2018/053413) 2018-05-16

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[13] A1
[51] **Int.Cl. B42D 25/351 (2014.01) B42D 25/30 (2014.01)**
[25] EN
[54] **OPTICAL ANTI-COUNTERFEITING ELEMENT AND PREPARATION METHOD THEREOF, AND OPTICAL ANTI-COUNTERFEITING PRODUCT**
[54] **ELEMENT ANTI-CONTREFACON OPTIQUE ET SON PROCEDE DE FABRICATION, ET PRODUIT ANTI-CONTREFACON OPTIQUE**
[72] HU, CHUNHUA, CN
[72] ZHU, JUN, CN
[72] ZHANG, WEIWEI, CN
[72] ZHANG, BAOLI, CN
[72] LI, YAN, CN
[71] ZHONGCHAO SPECIAL SECURITY TECHNOLOGY CO., LTD., CN
[71] CHINA BANKNOTE PRINTING AND MINTING CORP., CN
[85] 2020-10-15
[86] 2019-04-08 (PCT/CN2019/081724)
[87] (WO2020/010885)
[30] CN (201810770939.4) 2018-07-13

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[13] A1
[51] **Int.Cl. C01B 32/23 (2017.01) C01B 32/184 (2017.01) C01B 32/194 (2017.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF GRAPHENE OXIDE FROM KISH GRAPHITE**
[54] **METHODE DE FABRICATION D'OXYDE DE GRAPHENE A PARTIR DE GRAPHITE KISH**
[72] VU, THI TAN, ES
[71] ARCELORMITTAL, LU
[85] 2020-10-15
[86] 2019-04-05 (PCT/IB2019/052804)
[87] (WO2019/220227)
[30] IB (PCT/IB2018/053415) 2018-05-16

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[51] **Int.Cl. A47C 20/04 (2006.01) A47C 17/86 (2006.01) A61G 7/012 (2006.01) A61G 7/015 (2006.01) A61G 7/018 (2006.01)**
[25] EN
[54] **MODULAR ADJUSTABLE BED SYSTEM FACILITATING ASSEMBLY IN A MANUAL, PARTIALLY-ELECTRIC, OR FULLY-ELECTRIC CONFIGURATION**
[54] **SYSTEME DE LIT REGLABLE MODULAIRE FACILITANT L'ASSEMBLAGE DANS UNE CONFIGURATION MANUELLE, PARTIELLEMENT ELECTRIQUE OU ENTIEREMENT ELECTRIQUE**
[72] OBERLE, SR., JOSEPH F., US
[72] FINK, BARRY, US
[71] DRIVE DEVILBISS HEALTHCARE, US
[85] 2020-06-05
[86] 2019-09-25 (PCT/US2019/052948)
[87] (WO2020/068975)
[30] US (62/738,430) 2018-09-28

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[51] **Int.Cl. C12N 7/01 (2006.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 35/04 (2006.01)**
[25] EN
[54] **COXSACKIE VIRUS B FOR TREATING TUMORS**
[54] **VIRUS COXSACKIE B POUR LE TRAITEMENT DE TUMEURS**
[72] CHENG, TONG, CN
[72] WANG, WEI, CN
[72] YE, XIANGZHONG, CN
[72] FU, WENKUN, CN
[72] PAN, DEQUAN, CN
[72] ZHANG, JUN, CN
[72] XIA, NINGSHAO, CN
[71] XIAMEN UNIVERSITY, CN
[71] YANG SHENG TANG COMPANY, LTD., CN
[85] 2020-10-15
[86] 2019-04-15 (PCT/CN2019/082608)
[87] (WO2019/201192)
[30] CN (201810338046.2) 2018-04-16

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[13] A1
[51] **Int.Cl. C01B 32/184 (2017.01) C01B 32/194 (2017.01) C01B 32/23 (2017.01)**
[25] EN
[54] **A METHOD FOR THE MANUFACTURE OF REDUCED GRAPHENE OXIDE FROM KISH GRAPHITE**
[54] **METHODE DE FABRICATION D'OXYDE DE GRAPHENE REDUIT A PARTIR DE GRAPHITE KISH**
[72] VU, THI TAN, ES
[71] ARCELORMITTAL, LU
[85] 2020-10-15
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[87] (WO2019/220228)
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[25] EN
[54] **AIRCRAFT DEICING/ANTI-ICING FLUID THICKENED BY ALKANOLAMINE SURFACTANT, AND PREPARATION METHOD THEREFOR**
[54] **FLUIDE DE DEGIVRAGE/ANTIGIVRAGE D'AERONEF EPAISSI PAR UN TENSIOACTIF D'AMINE D'ALCOOL ALKYLE ET SON PROCEDE DE PREPARATION**
[72] YIN, HONGYAO, CN
[72] FENG, YUJUN, CN
[71] SICHUAN UNIVERSITY, CN
[85] 2020-10-15
[86] 2019-03-25 (PCT/CN2019/079424)
[87] (WO2019/210749)
[30] CN (201810411441.9) 2018-05-02

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[51] **Int.Cl. F16L 37/22 (2006.01) F16L 37/44 (2006.01)**
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[54] **COUPLING, AND METHOD FOR TRANSFERRING FLUIDS**
[54] **RACCORD ET PROCEDE DE TRANSMISSION DE FLUIDES**
[72] MOERSCH, NICOLA, DE
[72] MAYER, RAPHAEL, DE
[72] MULLER, STEFAN, DE
[71] WEH GMBH VERBINDUNGSTECHNIK, DE
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[25] EN
[54] **NUCLEIC ACID ORIGAMI STRUCTURE ENCAPSULATED BY CAPSID UNITS**
[54] **STRUCTURE D'ORIGAMI D'ACIDE NUCLEIQUE ENCAPSULEE PAR DES UNITES DE CAPSIDE**
[72] KOPATZ, IDIT, IL
[71] GEZA AD LTD., IL
[85] 2020-10-15
[86] 2019-03-05 (PCT/IL2019/050239)
[87] (WO2019/207563)
[30] US (62/661,094) 2018-04-23
[30] US (62/681,107) 2018-06-06
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[51] **Int.Cl. C08J 9/00 (2006.01)**
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[54] **BIO-BASED EVA COMPOSITIONS AND ARTICLES AND METHODS THEREOF**
[54] **COMPOSITIONS D'EVA D'ORIGINE BIOLOGIQUE ET ARTICLES ET PROCEDES ASSOCIES**
[72] DELEVATI, GIANCARLOS, BR
[72] SOTO OVIEDO, MAURO ALFREDO, BR
[72] MUNHOZ ANDERLE, FERNANDA, BR
[72] RENCK, OMAR WANDIR, BR
[72] ESTEVES VIVEIRO, JOSE AUGUSTO, BR
[71] BRASKEM S.A., BR
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[30] US (62/658,294) 2018-04-16

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[25] EN
[54] **CRYSTALLINE FORMS OF A TLR7/TLR8 INHIBITOR**
[54] **FORMES CRISTALLINES D'UN INHIBITEUR DE TLR7/TLR8**
[72] BIERI, NICOLE, CH
[72] KORDIKOWSKI, ANDREAS, CH
[72] LI, BIN, CN
[72] LUSTENBERGER, PHILIPP, CH
[72] RAMOS, RITA, CH
[72] SETHURAMAN, VIJAY, US
[72] ZHANG, SISI, CN
[71] NOVARTIS AG, CH
[85] 2020-10-15
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF IRON OVERLOAD**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT D'UNE SURCHARGE EN FER**
[72] CHEVION, MORDECHAI, IL
[72] VINOKUR, VLADIMIR, IL
[71] CHEVION, MORDECHAI, IL
[85] 2020-10-15
[86] 2019-04-11 (PCT/IL2019/050413)
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[30] US (62/657,821) 2018-04-15

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[51] **Int.Cl. H02K 15/00 (2006.01) H02K 15/04 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR DEFORMING CONDUCTORS PROTRUDING FROM A SIDE OF A STATOR OR OF A ROTOR OF AN ELECTRIC MACHINE**
[54] **APPAREIL ET PROCEDE DE DEFORMATION DE CONDUCTEURS FAISANT SAILLIE DEPUIS UN COTE D'UN STATOR OU D'UN ROTOR D'UNE MACHINE ELECTRIQUE**
[72] MICUCCI, MAURILIO, IT
[72] RANALLI, GIUSEPPE, IT
[72] RUGGIERI, GIOVANNI, IT
[72] TANCREDI, SERGIO, IT
[72] LUCCHETTI, FRANCESCO, IT
[71] TECNOMATIC S.P.A., IT
[85] 2020-10-15
[86] 2019-09-17 (PCT/IB2019/057811)
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[51] **Int.Cl. C08K 3/00 (2018.01) C08L 23/08 (2006.01)**
[25] EN
[54] **BIO-BASED ELASTOMERIC EVA COMPOSITIONS AND ARTICLES AND METHODS THEREOF**
[54] **COMPOSITIONS ET ARTICLES EN EVA ELASTOMERE D'ORIGINE BIOLOGIQUE ET PROCEDES ASSOCIES**
[72] DELEVATI, GIANCARLOS, BR
[72] SOTO OVIEDO, MAURO ALFREDO, BR
[72] MUNHOZ ANDERLE, FERNANDA, BR
[72] RENCK, OMAR WANDIR, BR
[72] ESTEVES VIVEIRO, JOSE AUGUSTO, BR
[71] BRASKEM S.A., BR
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[30] US (62/658,283) 2018-04-16

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[51] **Int.Cl. G06N 20/00 (2019.01) G01N 21/00 (2006.01) G06T 7/00 (2017.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING DEFECTS ON IMAGED ITEMS**
[54] **SYSTEME ET PROCEDE DE DETECTION DE DEFAUTS SUR DES ARTICLES AYANT FAIT L'OBJET D'UNE MISE EN IMAGE**
[72] HYATT, YONATAN, IL
[72] ZOHAV, GIL, IL
[72] GINSBURG, RAN, IL
[72] ESHAR, DAGAN, IL
[71] INSPEKTO A.M.V. LTD., IL
[85] 2020-10-15
[86] 2019-05-10 (PCT/IL2019/050532)
[87] (WO2019/215746)
[30] IL (259285) 2018-05-10
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[25] EN
[54] **USER TERMINAL AND RADIO COMMUNICATION METHOD**
[54] **TERMINAL D'UTILISATEUR ET PROCEDE DE RADIOCOMMUNICATION**
[72] MATSUMURA, YUKI, JP
[72] TAKEDA, KAZUKI, JP
[72] NAGATA, SATOSHI, JP
[72] LIU, MIN, CN
[72] WANG, JING, CN
[72] HOU, XIAOLIN, CN
[71] NTT DOCOMO, INC., JP
[85] 2020-10-15
[86] 2019-04-15 (PCT/JP2019/016143)
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[25] EN
[54] **USE OF CYCLODEXTRINS AS AGROCHEMICAL DELIVERY SYSTEM**
[54] **UTILISATION DE CYCLODEXTRINES COMME SYSTEME D'ADMINISTRATION AGROCHIMIQUE**
[72] KOREN, LITAL, IL
[72] AMSELEM, SHIMON, IL
[72] JESCHKE, INGO, AT
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2020-10-15
[86] 2019-05-08 (PCT/IB2019/053792)
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[51] **Int.Cl. C08G 59/50 (2006.01) C08J 5/24 (2006.01)**
[25] EN
[54] **EPOXY RESIN COMPOSITION FOR CARBON-FIBER-REINFORCED COMPOSITE MATERIALS, PREPREG, AND CARBON-FIBER-REINFORCED COMPOSITE MATERIAL**
[54] **COMPOSITION DE RESINE EPOXY POUR MATERIAUX COMPOSITES RENFORCES PAR FIBRES DE CARBONE, PREIMPREGNE ET MATERIAU COMPOSITE RENFORCE PAR FIBRES DE CARBONE**
[72] HARADA YUKIHIRO, JP
[72] NOHARA ATSUSHI, JP
[71] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2020-10-15
[86] 2019-03-20 (PCT/JP2019/011914)
[87] (WO2019/208040)
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[51] **Int.Cl. F01D 25/00 (2006.01) F02C 7/00 (2006.01) F02C 9/00 (2006.01) F04D 27/02 (2006.01) F23R 3/00 (2006.01)**
[25] EN
[54] **OBSERVATION APPARATUS, OBSERVATION METHOD, AND PROGRAM**
[54] **DISPOSITIF ET PROCEDE D'OBSERVATION, ET PROGRAMME ASSOCIE**
[72] NISHIZAWA, TOSHIO, JP
[72] KAZAWA, JUNICHI, JP
[72] GOTODA, HIROSHI, JP
[72] KOBAYASHI, HIROAKI, JP
[72] HAYASHI, YUTO, JP
[72] HACHIJO, TAKAYOSHI, JP
[71] JAPAN AEROSPACE EXPLORATION AGENCY, JP
[85] 2020-10-15
[86] 2019-03-25 (PCT/JP2019/012401)
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[30] JP (2018-079096) 2018-04-17

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[51] **Int.Cl. A61B 10/02 (2006.01)**
[25] EN
[54] **DUAL LUMEN COAXIAL INTRODUCER HAVING INTEGRATED TISSUE MARKER DELIVERY**
[54] **INTRODUCTEUR COAXIAL A DOUBLE LUMIERE AYANT UNE DISTRIBUTION INTEGREE DE MARQUEUR TISSULAIRE**
[72] VAN LIERE, CHAD, US
[72] JENSEN, ANGELA K., US
[72] HUGHES, CHANNING M., US
[71] C.R. BARD, INC., US
[85] 2020-10-15
[86] 2018-04-18 (PCT/US2018/028145)
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[51] **Int.Cl. C08F 216/06 (2006.01) C08F 8/12 (2006.01) C09J 11/04 (2006.01) C09J 129/04 (2006.01)**
[25] EN
[54] **ETHYLENE-VINYL ALCOHOL COPOLYMER, METHOD FOR PRODUCING SAME, AND USE THEREOF**
[54] **COPOLYMERE D'ETHYLENE-ALCOOL VINYLIQUE, SON PROCEDE DE PRODUCTION ET UTILISATION ASSOCIEE**
[72] TANIDA, TATSUYA, JP
[72] MORIKAWA, KEISUKE, JP
[72] KATAYAMA, MASAKO, JP
[71] KURARAY CO., LTD., JP
[85] 2020-10-15
[86] 2019-04-16 (PCT/JP2019/016271)
[87] (WO2019/203216)
[30] JP (2018-079469) 2018-04-17

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[51] **Int.Cl. B64C 25/58 (2006.01) B64C 27/04 (2006.01) F16F 7/00 (2006.01) F16F 7/12 (2006.01)**
[25] EN
[54] **LANDING GEAR AND STIFFENING MEMBER**
[54] **TRAIN D'ATTERRISSAGE ET ELEMENT RAIDISSEUR**
[72] UEKI, YOICHI, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2020-10-15
[86] 2019-04-16 (PCT/JP2019/016313)
[87] (WO2019/203229)
[30] JP (2018-079016) 2018-04-17

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[13] A1
[51] **Int.Cl. C09K 11/77 (2006.01) H01L 31/053 (2014.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENERGY STORAGE**
[54] **SYSTEMES ET PROCEDES DE STOCKAGE D'ENERGIE**
[72] DIGGINS, ALEX, US
[71] NIMBUS ENGINEERING INC., US
[85] 2020-10-15
[86] 2018-02-20 (PCT/US2018/018682)
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[30] US (15/493,823) 2017-04-21

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[51] **Int.Cl. A63B 23/04 (2006.01) A61H 1/02 (2006.01)**
[25] EN
[54] **EXERCISE APPARATUS**
[54] **APPAREIL D'EXERCICE**
[72] MOTOMURA, SHINSUKE, JP
[71] KENKO LIFE CORPORATION, JP
[85] 2020-10-15
[86] 2019-04-16 (PCT/JP2019/016385)
[87] (WO2019/203249)
[30] JP (2018-081268) 2018-04-20

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[51] **Int.Cl. A61K 31/428 (2006.01) A61K 31/4178 (2006.01) A61K 31/4184 (2006.01) A61K 31/439 (2006.01) A61K 31/46 (2006.01) A61K 31/538 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHOD FOR TREATING DEPRESSION**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA DEPRESSION**
[72] CHASE, THOMAS N., US
[72] CLARENCE-SMITH, KATHLEEN E., US
[71] CHASE THERAPEUTICS CORPORATION, US
[85] 2020-10-15
[86] 2018-04-23 (PCT/US2018/028885)
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[30] US (62/489,016) 2017-04-24

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[51] **Int.Cl. C23C 22/00 (2006.01) C22C 38/00 (2006.01) C22C 38/60 (2006.01) H01F 1/147 (2006.01)**
[25] EN
[54] **ELECTRICAL STEEL SHEET HAVING INSULATING COATING, METHOD FOR PRODUCING THE SAME, TRANSFORMER CORE AND TRANSFORMER USING THE ELECTRICAL STEEL SHEET, AND METHOD FOR REDUCING DIELECTRIC LOSS IN TRANSFORMER**
[54] **TOLE D'ACIER ELECTRIQUE AYANT UN REVETEMENT ISOLANT, PROCEDE POUR FABRIQUER LADITE TOLE, NOYAU DE TRANSFORMATEUR ET TRANSFORMATEUR UTILISANT LA TOLE D'ACIER ELECTRIQUE, ET PROCEDEPOUR REDUIRE LA PERTE DIELECTRIQUE DANS LE TRANSFORMATEUR**
[72] TERASHIMA, TAKASHI, JP
[72] KOKUFU, KARIN, JP
[72] WATANABE, MAKOTO, JP
[72] TAKAMIYA, TOSHITO, JP
[71] JFE STEEL CORPORATION, JP
[85] 2020-10-15
[86] 2019-05-20 (PCT/JP2019/019839)
[87] (WO2019/230466)
[30] JP (2018-103046) 2018-05-30

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[51] **Int.Cl. A61K 31/137 (2006.01) A61K 31/166 (2006.01) A61K 31/19 (2006.01) A61K 31/36 (2006.01) A61K 31/40 (2006.01) A61K 31/404 (2006.01) A61K 31/4468 (2006.01) A61K 31/4525 (2006.01) A61K 31/5375 (2006.01) A61K 31/551 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING SEIZURE-INDUCED SUDDEN DEATH**
[54] **COMPOSITIONS ET METHODES POUR TRAITER LA MORT SUBITE PROVOQUEE PAR LA CRISE EPILEPTIQUE**
[72] MARTIN, PARTHENA, US
[71] ZOGENIX INTERNATIONAL LIMITED, GB
[85] 2020-10-15
[86] 2018-05-11 (PCT/US2018/032406)
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[51] **Int.Cl. F04B 49/00 (2006.01) F04B 23/04 (2006.01) F04B 49/03 (2006.01) F04B 49/06 (2006.01)**
[25] EN
[54] **USING A LOAD SENSE PUMP AS A BACKUP FOR A PRESSURE-COMPENSATED PUMP**
[54] **UTILISATION D'UNE POMPE DE DETECTION DE CHARGE EN TANT QUE SECOURS POUR UNE POMPE A COMPENSATION DE PRESSION**
[72] WILLIAMS, DREW DUSTIN, US
[72] FISHER, CHAD ADAM, US
[72] WARREN, WESLEY JOHN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-10-15
[86] 2018-07-11 (PCT/US2018/041585)
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[25] EN
[54] **AUTOMATED ANALYSIS OF PETROGRAPHIC THIN SECTION IMAGES USING ADVANCED MACHINE LEARNING TECHNIQUES**
[54] **ANALYSE AUTOMATISEE D'IMAGES DE LAMES MINCES PETROGRAPHIQUES UTILISANT DES TECHNIQUES AVANCEES D'APPRENTISSAGE AUTOMATIQUE**
[72] ANIFOWOSE, FATAI A., SA
[72] MEZGHANI, MOKHLES MUSTAPHA, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-10-15
[86] 2019-03-29 (PCT/US2019/024755)
[87] (WO2019/204005)
[30] US (15/955,072) 2018-04-17

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[51] **Int.Cl. E21B 43/34 (2006.01) B01D 17/025 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROL OF AN INNER TUBE OF AN INCLINED TUBULAR OIL AND WATER SEPARATOR**
[54] **PROCEDE DE COMMANDE D'UN TUBE INTERIEUR D'UN SEPARATEUR D'HUILE ET D'EAU TUBULAIRE INCLINE**
[72] BERNTSEN, JON SIGURD, NO
[72] HOVDA, ASLE JOSTEIN, NO
[71] SEABED SEPARATION AS, NO
[85] 2020-10-15
[86] 2019-04-08 (PCT/NO2019/050072)
[87] (WO2019/203657)
[30] NO (20180538) 2018-04-20

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[51] **Int.Cl. A61K 31/513 (2006.01) A61K 31/565 (2006.01) A61K 31/57 (2006.01)**
[25] EN
[54] **METHODS OF TREATING HEAVY MENSTRUAL BLEEDING**
[54] **METHODES DE TRAITEMENT DES REGLES ABONDANTES**
[72] CHWALISZ, KRISTOF, US
[72] CASTELLI-HALEY, JANE, US
[72] FLORES, OSCAR ANTUNEZ, US
[72] GORDON, KEITH, US
[72] JAIN, RITA, US
[72] NG, JUKI WING-KEUNG, US
[72] NORTH, JANINE D., US
[72] OWENS, CHARLOTTE D., US
[72] PALAC, HANNAH, US
[72] PELOSO, PAUL M., US
[72] SNABES, MICHAEL C., US
[72] SOLIMAN, AHMED M., US
[72] THOMAS, JAMES W., US
[71] ABBVIE INC., US
[85] 2020-10-15
[86] 2018-07-23 (PCT/US2018/043321)
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[30] US (PCT/US2018/028390) 2018-04-19

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[25] EN
[54] **PEPTIDE-CONTAINING FORMULATIONS**
[54] **FORMULATIONS CONTENANT DES PEPTIDES**
[72] CUNDY, KENNETH, US
[72] GRINDSTAFF, KENT K., US
[72] MAGNAN, REMI, US
[71] COHBAR, INC., US
[85] 2020-10-15
[86] 2019-03-27 (PCT/US2019/024331)
[87] (WO2019/191264)
[30] US (62/648,746) 2018-03-27

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[13] A1
[51] **Int.Cl. C08J 3/24 (2006.01) C08L 23/08 (2006.01) H01B 3/44 (2006.01)**
[25] EN
[54] **NON-FOAM POLYOLEFIN COMPOSITIONS FOR WIRE AND CABLE COATING**
[54] **COMPOSITIONS DE POLYOLEFINE NON MOUSSANTES POUR L'ENROBAGE DE FILS ET DE CABLES**
[72] PUJARI, SASWATI, US
[72] TALREJA, MANISH, US
[72] ESSEGHIR, MOHAMED, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-10-15
[86] 2019-04-11 (PCT/US2019/027001)
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[30] US (62/663,390) 2018-04-27

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[51] **Int.Cl. E21C 41/26 (2006.01) F42D 3/04 (2006.01) F42D 1/02 (2006.01)**
[25] EN
[54] **BLASTING TECHNIQUE**
[54] **TECHNIQUES DE SAUTAGE**
[72] PEREIRA, NIGEL BRETT, AU
[72] WILLAN, LES, AU
[72] NAGARAJAN, MURALI, AU
[72] QUIJANO, CARLOS VICENTE ARANA, AU
[72] JERIC, STEPHEN, AU
[71] ORICA INTERNATIONAL PTE LTD., SG
[85] 2020-10-15
[86] 2019-04-17 (PCT/SG2019/050217)
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[30] SG (10201803282U) 2018-04-19

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[51] **Int.Cl. H05B 6/10 (2006.01) B29C 64/10 (2017.01) F16L 59/065 (2006.01)**
[25] EN
[54] **THERMALLY-INSULATED INDUCTION HEATING MODULES AND RELATED METHODS**
[54] **MODULES DE CHAUFFAGE PAR INDUCTION THERMIQUEMENT ISOLES ET PROCEDES ASSOCIES**
[72] MURRAY, MICHAEL CLINE, US
[72] REID, DAVID H., JR., US
[72] RIED, AARNE, H., US
[72] RADHAKRISHNAN, SHRIRAM, US
[72] ROACH, PETER, US
[71] CONCEPT GROUP LLC, US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027682)
[87] (WO2019/204306)
[30] US (62/658,022) 2018-04-16
[30] US (62/773,816) 2018-11-30
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[51] **Int.Cl. B65D 77/06 (2006.01) B65D 5/54 (2006.01)**
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[54] **SIOC BAG-IN-BOX**
[54] **CAISSE-OUTRE POUR EXPEDITION DANS LE CARTON D'ORIGINE**
[72] BELGYA, JASON DOUGLAS, US
[71] INTERNATIONAL PAPER COMPANY, US
[85] 2020-10-15
[86] 2019-02-11 (PCT/US2019/017468)
[87] (WO2019/203917)
[30] US (15/954,110) 2018-04-16

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[13] A1
[51] **Int.Cl. F04B 43/00 (2006.01) F04B 43/067 (2006.01) F04B 45/033 (2006.01)**
[25] EN
[54] **DEVICE FOR PROTECTING A DIAPHRAGM PUMP FROM PRESSURE DIFFERENTIAL**
[54] **DISPOSITIF DE PROTECTION DE POMPE A DIAPHRAGME CONTRE LES DIFFERENCES DE PRESSION**
[72] MEINZ, PETER, US
[72] FEATHERSTONE, DUSTIN, US
[72] HOLLISTER, MATTHEW, US
[71] WANNER ENGINEERING, INC., US
[85] 2020-10-15
[86] 2019-04-17 (PCT/US2019/027944)
[87] (WO2019/204497)
[30] US (62/659,550) 2018-04-18

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[51] **Int.Cl. C12Q 1/6886 (2018.01) C07K 14/74 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **HLA-J AND MEDICAL/DIAGNOSTIC USES THEREOF**
[54] **HLA-J ET UTILISATIONS MEDICALES/DIAGNOSTIQUES ASSOCIEES**
[72] WURFEL, WOLFGANG, DE
[72] WIRTZ, RALPH MARKUS, DE
[72] WINTERHALTER, CHRISTOPH, DE
[72] WURFEL, FRANZISKA, DE
[71] INTELLEXON GMBH, DE
[85] 2020-10-15
[86] 2019-04-25 (PCT/EP2019/060606)
[87] (WO2019/207039)
[30] EP (18169662.6) 2018-04-26

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[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06F 21/55 (2013.01) G06F 21/60 (2013.01)**
[25] EN
[54] **DYNAMIC RISK DETECTION AND MITIGATION OF COMPROMISED CUSTOMER LOG-IN CREDENTIALS**
[54] **DETECTION DE RISQUE DYNAMIQUE ET ATTENUATION DE JUSTIFICATIFS D'IDENTITE DE CONNEXION DE CLIENT COMPROMIS**
[72] VERMA, VISHAL, US
[72] IMMANENI, ARAVIND, US
[71] GUARDINEX LLC, US
[85] 2020-10-13
[86] 2019-05-14 (PCT/US2019/032229)
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[30] US (62/671,161) 2018-05-14

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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **HEART VALVE SEALING DEVICES AND DELIVERY DEVICES THEREFOR**
[54] **DISPOSITIFS D'ETANCHEITE POUR VALVES CARDIAQUES ET DISPOSITIFS DE POSE ASSOCIES**
[72] FRESCHAUF, LAUREN R., US
[72] DELGADO, SERGIO, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028041)
[87] (WO2019/204559)
[30] US (62/659,253) 2018-04-18
[30] US (16/385,701) 2019-04-16

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[51] **Int.Cl. H01R 13/629 (2006.01) H01R 13/646 (2011.01)**
[25] EN
[54] **ANNULAR ABUTMENT/ALIGNMENT GUIDE FOR CABLE CONNECTORS**
[54] **GUIDE D'ALIGNEMENT/BUTEE ANNULAIRE POUR CONNECTEURS DE CABLE**
[72] URTZ JR., THOMAS SAWYER, US
[72] BENN, JEREMY CHARLES, US
[72] OLIVARES, NIC, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
[85] 2020-10-15
[86] 2019-04-17 (PCT/US2019/027913)
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[30] US (62/658,743) 2018-04-17

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[51] **Int.Cl. E21B 41/00 (2006.01) E21B 23/01 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR INTRODUCING A JUNCTION ASSEMBLY**
[54] **PROCEDE ET APPAREIL POUR INTRODUIRE UN ENSEMBLE DE FONCTION**
[72] MADDUX, STEPHEN ROSS, US
[72] FURLONG, SHANE PATRICK, US
[72] STEELE, DAVID JOE, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-10-15
[86] 2018-07-25 (PCT/US2018/043751)
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[51] **Int.Cl. C07K 14/62 (2006.01) A61K 47/54 (2017.01) A61K 38/28 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **GLUCOSE-RESPONSIVE INSULIN**
[54] **INSULINE SENSIBLE AU GLUCOSE**
[72] CHOU, DANNY HUNG-CHIEH, US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[85] 2020-10-15
[86] 2019-04-15 (PCT/US2019/027484)
[87] (WO2019/204206)
[30] US (62/658,372) 2018-04-16

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[13] A1
[51] **Int.Cl. G01N 33/53 (2006.01) G01N 33/58 (2006.01) G01N 33/74 (2006.01)**
[25] EN
[54] **SAMPLE CLARIFICATION AND REDUCTION OF BACKGROUND FLUORESCENCE FOR FLUORESCENT DETECTION OF ANALYTES**
[54] **CLARIFICATION D'ECHANTILLON ET REDUCTION DE FLUORESCENCE DE FOND POUR LA DETECTION PAR FLUORESCENCE D'ANALYTES**
[72] KOSTOVIC, MILADIN, US
[72] STOJANOVIC, MILOVAN, RS
[71] ELLIE LLC, US
[85] 2020-10-15
[86] 2019-04-19 (PCT/US2019/028322)
[87] (WO2019/204727)
[30] US (62/659,946) 2018-04-19

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[13] A1
[51] **Int.Cl. G06F 16/732 (2019.01) H04N 21/00 (2011.01) G06F 16/735 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UPDATING SEARCH RESULTS BASED ON A CONVERSATION**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE METTRE A JOUR DES RESULTATS DE RECHERCHE SUR LA BASE D'UNE CONVERSATION**
[72] BLAKE, JOHN, US
[72] STATHACOPOULOS, PAUL, US
[72] THOMAS, WILLIAM L., US
[71] ROVI GUIDES, INC., US
[85] 2020-10-15
[86] 2019-04-22 (PCT/US2019/028460)
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[30] US (15/960,982) 2018-04-24

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[51] **Int.Cl. G01N 24/08 (2006.01) G01R 33/44 (2006.01)**
[25] EN
[54] **DETERMINING PERMEABILITY OF POROUS MEDIA BASED ON NUCLEAR MAGNETIC RESONANCE MEASUREMENT**
[54] **DETERMINATION DE LA PERMEABILITE D'UN MILIEU POREUX EN FONCTION D'UNE MESURE DE RESONANCE MAGNETIQUE NUCLEAIRE**
[72] KWAK, HYUNG TAE, SA
[72] AL-HARBI, AHMAD MUBARAK, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-10-15
[86] 2019-03-29 (PCT/US2019/024753)
[87] (WO2019/204004)
[30] US (15/955,061) 2018-04-17

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[13] A1
[51] **Int.Cl. C04B 40/00 (2006.01)**
[25] EN
[54] **ACCELERATOR COMPRISING STARCH, AND RELATED BOARD, SLURRIES, AND METHODS**
[54] **ACCELERATEUR COMPRENANT DE L'AMIDON, AINSI QUE PLAQUE, BOUILLIES ET PROCEDES ASSOCIES**
[72] SANG, YIJUN, US
[72] HEMPHILL, MARK K., US
[72] KIM, YONGMAN, US
[72] BARBER, JAMES W., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2020-10-15
[86] 2018-09-26 (PCT/US2018/052786)
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[30] US (62/660,073) 2018-04-19
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[13] A1
[51] **Int.Cl. G06F 8/36 (2018.01) G06F 8/60 (2018.01) G06F 8/77 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MATCHING REVENUE STREAMS IN A CLOUD SERVICE BROKER PLATFORM**
[54] **SYSTEME ET PROCEDE D'APPARIEMENT DE FLUX DE REVENUS DANS UNE PLATEFORME DE COURTAGE DE SERVICES EN NUAGE**
[72] KUZKIN, MAXIM, US
[72] ZATSEPIN, VLADIMIR, RU
[72] KHODOS, PAVEL, US
[72] MELNIKOV, OLEG, US
[72] GREBENSCHIKOV, VLADIMIR, RU
[72] BOLOTOV, ANDREY, RU
[72] ULITSKY, SERGEY, RU
[72] AVERCHYK, GLEB, RU
[72] KOLESNIKOV, FEDOR, RU
[72] LIKHTANSKLY, EVGENIY, RU
[71] INGRAM MICRO INC., US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027683)
[87] (WO2019/204307)
[30] US (15/954,238) 2018-04-16

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[51] **Int.Cl. C02F 1/00 (2006.01) A23N 12/02 (2006.01) C02F 1/66 (2006.01) C02F 1/68 (2006.01) C02F 1/76 (2006.01) G01N 27/38 (2006.01) G01N 33/18 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SENSOR FOULING MITIGATION**
[54] **PROCEDES ET SYSTEMES POUR LA REDUCTION DE L'ENCRASSEMENT DE CAPTEURS**
[72] LINDSTROM, DANNY ELMER, US
[72] MCGINNIS, CHRISTOPHER MICHAEL, US
[72] WILHELMSEN, ERIC CHILD, US
[71] SMARTWASH SOLUTIONS, LLC, US
[85] 2020-10-15
[86] 2019-04-10 (PCT/US2019/026808)
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[30] US (62/658,672) 2018-04-17

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[51] **Int.Cl. D21H 17/23 (2006.01) D21H 17/22 (2006.01) D21H 17/28 (2006.01) D21H 17/29 (2006.01) D21H 17/66 (2006.01) D21H 21/10 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING HYDROPHOBIC PAPER**
[54] **PROCEDE DE PRODUCTION DE PAPIER HYDROPHOBE**
[72] BOHN STOLTZ, RAQUEL, SE
[72] LINDBERG, BIRGITTA, SE
[71] SCA FOREST PRODUCTS AB, SE
[85] 2020-10-15
[86] 2019-04-25 (PCT/EP2019/060621)
[87] (WO2019/207048)
[30] EP (18169555.2) 2018-04-26

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[51] **Int.Cl. A61B 18/02 (2006.01) A01G 13/06 (2006.01) A01M 13/00 (2006.01) A24B 15/16 (2020.01) F16L 9/14 (2006.01) F16L 59/065 (2006.01)**
[25] EN
[54] **JOINT CONFIGURATIONS**
[54] **CONFIGURATIONS DE JOINT**
[72] RADHAKRISHNAN, SHRIRAM, US
[72] REID, DAVID H., US
[72] REID, AARNE H., US
[72] ROACH, PETER, US
[72] THOMAS, WILLIAM, US
[72] LEDOUX, GEORGE, US
[72] MURRAY, MICHAEL CLINE, US
[71] CONCEPT GROUP LLC, US
[85] 2020-10-15
[86] 2019-04-17 (PCT/US2019/027918)
[87] (WO2019/204481)
[30] US (62/658,794) 2018-04-17
[30] US (62/700,449) 2018-07-19
[30] US (62/773,816) 2018-11-30
[30] US (62/811,217) 2019-02-27
[30] US (62/825,123) 2019-03-28

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C07K 14/015 (2006.01) C12N 7/00 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **MODIFIED AAV CAPSID POLYPEPTIDES FOR TREATMENT OF MUSCULAR DISEASES**
[54] **POLYPEPTIDES DE CAPSIDE D'AAV MODIFIES POUR LE TRAITEMENT DE MALADIES MUSCULAIRES**
[72] GRIMM, DIRK, DE
[72] WEINMANN, JONAS, DE
[72] EL ANDARI, JOSEF, DE
[71] UNIVERSITAT HEIDELBERG, DE
[85] 2020-10-15
[86] 2019-04-26 (PCT/EP2019/060790)
[87] (WO2019/207132)
[30] EP (18169822.6) 2018-04-27

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[13] A1
[51] **Int.Cl. C08J 9/04 (2006.01) C08J 9/12 (2006.01)**
[25] EN
[54] **FOAMED POLYOLEFIN COMPOSITIONS FOR WIRE AND CABLE COATING**
[54] **COMPOSITIONS DE POLYOLEFINE EXPANSEE DESTINEES AU REVETEMENT DE FILS ET CABLES**
[72] PUJARI, SASWATI, US
[72] TALREJA, MANISH, US
[72] ESSEGHIR, MOHAMED, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-10-15
[86] 2019-04-11 (PCT/US2019/027031)
[87] (WO2019/209547)
[30] US (62/663,412) 2018-04-27

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[51] **Int.Cl. A61K 31/4458 (2006.01) A61K 9/00 (2006.01) A61K 31/138 (2006.01) A61P 9/00 (2006.01) A61P 9/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR SUSTAINED RELEASE OF FLECAINIDE**
[54] **COMPOSITIONS ET PROCEDES POUR LA LIBERATION PROLONGEE DE FLECAINIDE**
[72] FISHEL, ROBERT, US
[71] ALSAR LTD PARTNERSHIP, US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027706)
[87] (WO2019/204326)
[30] US (62/657,947) 2018-04-16

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[13] A1
[51] **Int.Cl. A61K 45/06 (2006.01) A61K 35/17 (2015.01) A61K 31/522 (2006.01)**
[25] EN
[54] **MEDICAL USES**
[54] **UTILISATIONS MEDICALES**
[72] NAHI, HARETH, SE
[72] GAHRTON, CARL ARNOLD GOSTA, SE
[72] ALICI, EVREN, SE
[72] LJUNGGREN, HANS-GUSTAF EINAR, SE
[71] XNK THERAPEUTICS AB, SE
[85] 2020-10-15
[86] 2019-04-30 (PCT/EP2019/061122)
[87] (WO2019/211310)
[30] GB (1807050.8) 2018-04-30

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[13] A1
[51] **Int.Cl. A61K 31/20 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC METHODS AND COMPOSITIONS FOR TREATING PROSTATE CANCER USING 6,8-BIS-BENZYLTHIO-OCTANOIC ACID**
[54] **METHODES ET COMPOSITIONS THERAPEUTIQUES DESTINEES AU TRAITEMENT DU CANCER DE LA PROSTATE A L'AIDE DE L'ACIDE 6,8-BIS-BENZYLTHIO-OCTANOIQUE**
[72] LUTHER, SANJEEV, US
[72] SHORR, ROBERT G.L., US
[72] BINGHAM, PAUL, US
[72] ZACHAR, ZUZANA, US
[71] RAFAEL PHARMACEUTICALS, INC., US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027597)
[87] (WO2019/204251)
[30] US (62/658,238) 2018-04-16
[30] US (62/782,938) 2018-12-20

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[13] A1
[51] **Int.Cl. A61K 51/02 (2006.01) A61K 51/04 (2006.01) A61K 51/06 (2006.01) C07B 59/00 (2006.01) C07F 5/00 (2006.01) G01N 33/60 (2006.01)**
[25] EN
[54] **METHODS OF TREATING CANCER**
[54] **METHODES DE TRAITEMENT DU CANCER**
[72] ARMOUR, ALISON ANN, US
[71] ENDOCYTE, INC., US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027720)
[87] (WO2019/204335)
[30] US (62/659,016) 2018-04-17
[30] US (62/670,442) 2018-05-11

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[13] A1
[51] **Int.Cl. A61F 2/46 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **BONE FRAGMENT COLLECTOR AND PROCESSOR**
[54] **DISPOSITIF DE COLLECTE ET DE TRAITEMENT DE FRAGMENTS OSSEUX**
[72] LAMBARTH, CLIFFORD EDWIN, US
[72] WROBLEWSKI, JASON JAMES, US
[72] BABARIS, ROBIN BEVERLY WYNNE, US
[72] STRATTON, DENNIS ALAN, US
[71] STRYKER CORPORATION, US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027621)
[87] (WO2019/204268)
[30] US (62/658,421) 2018-04-16

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[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) C07C 1/20 (2006.01)**
[25] EN
[54] **PROCESS FOR THE CONVERSION OF OXYGENATES TO C5+ HYDROCARBONS BOILING IN THE GASOLINE BOILING RANGE**
[54] **PROCEDE DE CONVERSION DE COMPOSES OXYGENES EN HYDROCARBURES C5+ BOUILLANT DANS LA PLAGE D'EBULLITION DE L'ESSENCE**
[72] SORENSEN, MARTIN DAN PALIS, DK
[71] HALDOR TOPSOE A/S, DK
[85] 2020-10-15
[86] 2019-05-02 (PCT/EP2019/061248)
[87] (WO2019/219397)
[30] DK (PA 2018 00214) 2018-05-15

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[13] A1
[51] **Int.Cl. C07D 495/04 (2006.01) A61K 31/133 (2006.01) A61K 31/519 (2006.01) A61P 9/00 (2006.01) A61P 9/04 (2006.01) C07C 215/10 (2006.01)**
[25] EN
[54] **MEGLUMINE SALTS OF THIENOPYRIMIDINES**
[54] **SELS MEGLUMINE DE THIENOPYRIMIDINES**
[72] KUMAR, ANUJ K., US
[72] FORSLUND, RAYMOND E., US
[71] CARDURION PHARMACEUTICALS, LLC, US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027665)
[87] (WO2019/204298)
[30] US (62/658,683) 2018-04-17

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[13] A1
[51] **Int.Cl. F16H 48/08 (2006.01) B60K 17/16 (2006.01) F16H 48/26 (2006.01) F16H 48/30 (2012.01)**
[25] EN
[54] **DIFFERENTIAL DISCONNECT ASSEMBLY**
[54] **ENSEMBLE DE DESACCOUPLEMENT DE DIFFERENTIEL**
[72] SWINGER, EVAN, US
[71] LINAMAR CORPORATION, CA
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027670)
[87] (WO2019/204300)
[30] US (62/658,229) 2018-04-16

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[13] A1
[51] **Int.Cl. C10C 3/10 (2006.01) C10C 3/14 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING TIRE RUBBER ASPHALT**
[54] **SYSTEME ET PROCEDE DE PRODUCTION D'ASPHALTE DE CAOUTCHOUC DE PNEU**
[72] BRUNS, JOSEPH RANDALL, US
[72] HASHEMI, HASHEM, US
[71] ASPHALT SCIENCES, LLC, US
[85] 2020-10-15
[86] 2019-02-21 (PCT/US2019/019033)
[87] (WO2019/209400)
[30] US (62/661,609) 2018-04-23
[30] US (16/255,804) 2019-01-23

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[13] A1
[51] **Int.Cl. B05B 9/08 (2006.01) A61M 11/00 (2006.01) A61M 16/00 (2006.01) A62B 7/00 (2006.01) B65D 83/00 (2006.01) B65D 83/14 (2006.01)**
[25] EN
[54] **PORTABLE GAS DELIVERY SYSTEM**
[54] **SYSTEME PORTABLE DE DISTRIBUTION DE GAZ**
[72] DUBE, BLAKE W., US
[72] SPITZ, MARK B., US
[72] MATZKE, BENJAMIN K., US
[72] MILLER, ROBERT M., US
[71] AERONICS, INC., US
[85] 2020-10-15
[86] 2019-04-16 (PCT/US2019/027734)
[87] (WO2019/204347)
[30] US (62/658,214) 2018-04-16
[30] US (62/719,328) 2018-08-17

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 15/113 (2010.01) C12N 15/117 (2010.01) C12N 5/10 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **GENE THERAPY FOR DISEASES CAUSED BY UNBALANCED NUCLEOTIDE POOLS INCLUDING MITOCHONDRIAL DNA DEPLETION SYNDROMES**
[54] **THERAPIE GENIQUE POUR DES MALADIES PROVOQUEES PAR UN DESEQUILIBRE DE POOLS DE NUCLEOTIDES, Y COMPRIS LES SYNDROMES D'EPUISEMENT DE L'ADN MITOCHONDRIAL**
[72] HIRANO, MICHIO, US
[72] AKMAN, HASAN O., US
[72] LOPEZ-GOMEZ, CARLOS, US
[71] THE TRUSTEES OF COLUMBIA UNIVERISTY IN THE CITY OF NEW YORK, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028108)
[87] (WO2019/204593)
[30] US (62/659,281) 2018-04-18

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[13] A1
[51] **Int.Cl. A61C 3/00 (2006.01)**
[25] EN
[54] **HAND TOOL APPARATUS WITH ADAPTIVE ERGONOMIC HANDLE**
[54] **APPAREIL D'OUTIL A MAIN AVEC POIGNEE ERGONOMIQUE ADAPTATIVE**
[72] WINK, CHERIE YVETTE, US
[72] WILDER SMITH, PETRA BEATE, US
[71] WINK, CHERIE YVETTE, US
[71] WILDER SMITH, PETRA BEATE, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028133)
[87] (WO2019/204613)
[30] US (62/660,184) 2018-04-19

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **REPROGRAMMING CD4 T CELLS INTO CYTOTOXIC CD8 CELLS BY FORCED EXPRESSION OF CD8AB AND CLASS 1 RESTRICTED T CELL RECEPTORS**
[54] **REPROGRAMMATION DE LYMPHOCYTES T CD4 EN LYMPHOCYTES CD8 CYTOTOXIQUES PAR EXPRESSION FORCEE DE RECEPTEURS DE LYMPHOCYTES T RESTREINTS A CD8AB ET DE CLASSE 1**
[72] ARBER BARTH, CAROLINE EVA, US
[72] BAJWA, GAGAN, US
[72] BRENNER, MALCOLM K., US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028202)
[87] (WO2019/204662)
[30] US (62/659,971) 2018-04-19

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[13] A1
[51] **Int.Cl. C07K 14/725 (2006.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **T CELL RECEPTORS WITH MAGE-B2 SPECIFICITY AND USES THEREOF**
[54] **RECEPTEURS DE LYMPHOCYTES T SPECIFIQUES DE MAGE-B2 ET LEURS UTILISATIONS**
[72] YEE, CASSIAN, US
[72] PAN, KE, US
[71] THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-10-15
[86] 2019-04-19 (PCT/US2019/028239)
[87] (WO2019/204683)
[30] US (62/660,083) 2018-04-19

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[13] A1
[51] **Int.Cl. C02F 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TREATING WASTEWATER AND PROVIDING CLASS A SLUDGE**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'EAUX USEES ET DE FOURNITURE DE BOUE DE CLASSE A**
[72] WHITEMAN, ROBERT, US
[71] ADVANCED BIOLOGICAL SERVICES, INC., US
[85] 2020-10-15
[86] 2019-04-20 (PCT/US2019/028417)
[87] (WO2019/204798)
[30] US (62/660,907) 2018-04-20

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[13] A1
[51] **Int.Cl. C07C 311/29 (2006.01) A61K 31/18 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **STAT3 INHIBITORS**
[54] **INHIBITEURS DE STAT3**
[72] WIED, SOFIA DE ACHAVAL, US
[72] BAUTA, WILLIAM E., US
[72] CANTRELL, WILLIAM R., JR., US
[72] TWEARDY, DAVID JOHN, US
[71] TVARDI THERAPEUTICS, INC., US
[71] BAYLOR COLLEGE OF MEDICINE, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028135)
[87] (WO2019/204614)
[30] US (62/793,491) 2019-01-17
[30] US (62/659,872) 2018-04-19

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[13] A1
[51] **Int.Cl. A23G 9/04 (2006.01) A23G 9/22 (2006.01) F25C 5/04 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SHREDDING OF DEEP-FROZEN FOOD PRODUCTS PROVIDED IN BLOCK FORM**
[54] **DISPOSITIF ET PROCEDE DE BROYAGE D'ALIMENTS CONGELES SOUS FORME DE BLOCS**
[72] MANZ, ROLAND, CH
[71] PACOTRADE AG, CH
[85] 2020-10-16
[86] 2018-04-20 (PCT/CH2018/000016)
[87] (WO2019/200490)

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[13] A1
[51] **Int.Cl. A61K 47/06 (2006.01) A61K 9/14 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/24 (2006.01) A61K 47/28 (2006.01)**
[25] EN
[54] **FUSOGENIC LIPID NANOPARTICLES AND METHODS FOR THE MANUFACTURE AND USE THEREOF FOR THE TARGET CELL-SPECIFIC PRODUCTION OF A THERAPEUTIC PROTEIN AND FOR THE TREATMENT OF A DISEASE, CONDITION, OR DISORDER ASSOCIATED WITH A TARGET CELL**
[54] **NANOPARTICULES LIPIDIQUES FUSOGENES ET LEURS PROCEDES DE FABRICATION ET LEURS METHODES D'UTILISATION POUR LA PRODUCTION SPECIFIQUE A UNE CELLULE CIBLE D'UNE PROTEINE THERAPEUTIQUEET POUR LE TRAITEMENT D'UNE MALADIE, D'UNE AFFECTION OU D'UN TROUBLE ASSOCIE A UNE CELLULE CIBLE**
[72] SCHOLZ, MATTHEW REIN, US
[71] OISIN BIOTECHNOLOGIES, INC., US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028207)
[87] (WO2019/204666)
[30] US (62/659,676) 2018-04-18
[30] US (62/821,084) 2019-03-20

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[13] A1
[51] **Int.Cl. A23G 9/04 (2006.01) A23G 9/22 (2006.01) F25C 5/04 (2006.01)**
[25] EN
[54] **DEVICE FOR SHREDDING OF DEEP-FROZEN FOOD PRODUCTS PROVIDED IN BLOCK FORM**
[54] **DISPOSITIF POUR BROYER DES DENREES ALIMENTAIRES SURGELEES SE PRESENTANT SOUS LA FORME D'UN BLOC**
[72] KISER, PETER, DE
[72] FAH, STEFAN LUKAS, CH
[71] PACOTRADE AG, CH
[85] 2020-10-16
[86] 2018-04-20 (PCT/CH2018/000017)
[87] (WO2019/200491)

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[13] A1
[51] **Int.Cl. F16L 13/14 (2006.01) F16L 33/207 (2006.01)**
[25] EN
[54] **PRESS FITTING FOR A PIPE JOINT AND METHOD FOR ITS MANUFACTURE**
[54] **RACCORD A SERTIR POUR UNE RACCORD TUBULAIRE ET SON PROCEDE DE FABRICATION**
[72] MULLER, STEPHAN, DE
[72] DITTMAR, RAINER, DE
[72] CLAUSSEN, JORG, DE
[72] ALTMANN, MAIK, DE
[71] UPONOR INNOVATION AB, SE
[85] 2020-10-16
[86] 2019-03-04 (PCT/EP2019/055316)
[87] (WO2019/201500)
[30] DE (10 2018 109 555.4) 2018-04-20

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[13] A1
[51] **Int.Cl. C07K 16/22 (2006.01) A61K 39/395 (2006.01) A61P 19/02 (2006.01) A61P 25/00 (2006.01) A61P 29/00 (2006.01) C12N 15/13 (2006.01) G01N 33/577 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **MONOCLONAL ANTIBODY AGAINST NERVE GROWTH FACTOR, AND ENCODING GENE AND USE THEREOF**
[54] **ANTICORPS MONOCLONAL DU FACTEUR DE CROISSANCE NERVEUSE, GENE CODANT ET UTILISATION ASSOCIEE**
[72] WANG, ZHONGMIN MAXWELL, CN
[72] LI, BAIYONG, CN
[72] XIA, YU, CN
[72] ZHANG, PENG, CN
[71] AKESO BIOPHARMA, INC., CN
[85] 2020-10-16
[86] 2019-04-10 (PCT/CN2019/082107)
[87] (WO2019/201133)
[30] CN (201810344670.3) 2018-04-17
[30] CN (201811320006.1) 2018-11-07

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[13] A1
[51] **Int.Cl. A47J 31/00 (2006.01) A47J 31/44 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **SERVER SYSTEM WITH COMMUNICATION**
[54] **SYSTEME SERVEUR AVEC COMMUNICATION**
[72] CRAIG, JOSH, US
[72] SANKARAN, PRASHANTH, US
[71] BUNN-O-MATIC CORPORATION, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028057)
[87] (WO2019/204567)
[30] US (62/660,821) 2018-04-20

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[13] A1
[51] **Int.Cl. B05B 17/06 (2006.01) A24F 47/00 (2020.01)**
[25] EN
[54] **INHALER**
[54] **INHALATEUR**
[72] MINAMI, YUKI, JP
[72] KUDO, TAKAHISA, JP
[72] INAGAKI, MICHIHIRO, JP
[72] INOUE, JUMPEI, JP
[72] ABE, YUKI, JP
[72] GEERNAERT, ADAM, GB
[72] RUBICONI, FRANCK, GB
[72] COX, SIMON, GB
[72] RISHI, JOBANPUTRA, GB
[71] JAPAN TABACCO INC., JP
[85] 2020-10-07
[86] 2019-04-09 (PCT/JP2019/015384)
[87] (WO2019/198687)
[30] JP (PCT/JP2018/015128) 2018-04-10
[30] JP (PCT/JP2018/046712) 2018-12-19

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 38/16 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **FUSION PROTEIN BINDING TO CD47 PROTEIN AND APPLICATION THEREOF**
[54] **PROTEINE DE FUSION SE LIANT A LA PROTEINE CD47 ET UTILISATION ASSOCIEE**
[72] LV, MING, CN
[72] DING, XIAORAN, CN
[72] MIAO, SHIWEI, CN
[72] TAN, BIN, CN
[72] WANG, XUEGONG, CN
[71] HANGZHOU SUMGEN BIOTECH CO., LTD., CN
[71] SUMGEN MAB (BEIJING) BIOTECH CO., LTD., CN
[85] 2020-10-16
[86] 2019-04-16 (PCT/CN2019/082863)
[87] (WO2019/201236)
[30] CN (201810343482.9) 2018-04-17

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[13] A1
[51] **Int.Cl. C25B 15/02 (2006.01) C25B 1/10 (2006.01) C25B 9/04 (2006.01)**
[25] EN
[54] **CIRCUIT ARRANGEMENT, METHOD FOR OPERATING A CIRCUIT ARRANGEMENT AND ELECTROLYSIS DEVICE**
[54] **AGENCEMENT DE CIRCUIT, PROCEDE DE FONCTIONNEMENT D'UN AGENCEMENT DE CIRCUIT ET EQUIPEMENT D'ELECTROLYSE**
[72] UTZ, PETER, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-10-16
[86] 2019-04-15 (PCT/EP2019/059616)
[87] (WO2019/201831)
[30] EP (18168178.4) 2018-04-19

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[13] A1
[51] **Int.Cl. A61K 31/496 (2006.01) A61K 9/00 (2006.01) A61P 11/00 (2006.01) A61P 31/10 (2006.01)**
[25] EN
[54] **METHODS OF TREATING FUNGAL INFECTIONS**
[54] **PROCEDES DE TRAITEMENT D'INFECTIONS FONGIQUES**
[72] PERRY, JASON M., US
[72] HAVA, DAVID L., US
[72] CURRAN, AIDAN, US
[71] CIPLA TECHNOLOGIES LLC, US
[85] 2020-10-15
[86] 2019-04-18 (PCT/US2019/028112)
[87] (WO2019/204597)
[30] US (62/659,601) 2018-04-18
[30] US (62/696,510) 2018-07-11

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[13] A1
[51] **Int.Cl. B29C 71/00 (2006.01) B29C 64/35 (2017.01)**
[25] EN
[54] **METHOD FOR TREATMENT OF ELEMENTS OBTAINED BY AN ADDITIVE MANUFACTURING PROCESS**
[54] **PROCEDE DE TRAITEMENT D'ELEMENTS OBTENUS PAR UN PROCEDE DE FABRICATION ADDITIVE**
[72] ABSTREITER, TOBIAS, DE
[72] KRIEGER, YANNICK, DE
[72] LEONHARDT, STEFAN, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[85] 2020-10-16
[86] 2019-04-16 (PCT/EP2019/059808)
[87] (WO2019/201922)
[30] EP (18167627.1) 2018-04-16
[30] EP (18181048.2) 2018-06-30
[30] EP (18205801.6) 2018-11-12
[30] EP (19151245.8) 2019-01-10

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[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) C12Q 1/6809 (2018.01) C12Q 1/686 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING ENDOMETRIOSIS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE L'ENDOMETRIOSE**
[72] KIRMA, NAMEER, US
[72] NICHOLSON, BRUCE, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-10-15
[86] 2019-04-22 (PCT/US2019/028478)
[87] (WO2019/204803)
[30] US (62/660,641) 2018-04-20

[21] **3,097,423**
[13] A1
[51] **Int.Cl. B60P 1/28 (2006.01)**
[25] EN
[54] **BODY FOR A TRUCK AND A TRUCK**
[54] **CARROSSERIE POUR UN CAMION ET UN CAMION**
[72] DE JAGER, JOHN, AU
[72] CESPEDES, ALEX, AU
[72] CORNFOOT, IAN, AU
[71] G&G MINING FABRICATION PTY LTD, AU
[85] 2020-10-16
[86] 2019-04-23 (PCT/AU2019/050360)
[87] (WO2019/200441)
[30] AU (2018901308) 2018-04-19

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[13] A1
[51] **Int.Cl. A61B 50/33 (2016.01) A61L 2/07 (2006.01)**
[25] FR
[54] **TRAY FOR BAG FOR MEDICAL USE, TUBES AND ACCESSORIES, INTENDED FOR STERILISATION**
[54] **PLATEAU POUR POCHE A USAGE MEDICAL, TUBULURES ET ACCESSOIRES, DESTINES A UNE STERILISATION**
[72] ANGOT, MAXIME, FR
[71] TECHNOFLEX, FR
[85] 2020-10-16
[86] 2019-04-12 (PCT/EP2019/059429)
[87] (WO2019/201776)
[30] FR (1853309) 2018-04-16

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD FOR COMMUNICATION AND AN APPARATUS THEREOF**
[54] **PROCEDE DE COMMUNICATION, ET APPAREIL ASSOCIE**
[72] MAAREF, AMINE, CA
[72] BALIGH, MOHAMMADHADI, CA
[72] MA, JIANGLEI, CA
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-10-16
[86] 2019-04-17 (PCT/CN2019/083034)
[87] (WO2019/201275)
[30] US (62/659,049) 2018-04-17
[30] US (16/265,790) 2019-02-01

[21] **3,097,428**
[13] A1
[51] **Int.Cl. C12N 5/079 (2010.01)**
[25] EN
[54] **METHOD FOR DIFFERENTIATION OF OCULAR CELLS AND USE THEREOF**
[54] **PROCEDE POUR LA DIFFERENTIATION DE CELLULES OCULAIRES ET SON UTILISATION**
[72] CHASE, LUCAS, US
[72] WALLACE, KYLE, US
[72] MELINE, BENJAMIN, US
[72] DIAS, ANDREW, US
[72] SHELLEY, BRANDON, US
[72] FENN, MARISA, US
[72] PHILLIPS, DEBJANI, US
[72] STERNFELD, MATTHEW, US
[72] MEYER, NATHAN, US
[71] FUJIFILM CELLULAR DYNAMICS, INC., US
[85] 2020-10-15
[86] 2019-04-22 (PCT/US2019/028557)
[87] (WO2019/204817)
[30] US (62/660,899) 2018-04-20

[21] **3,097,429**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR MITIGATING FRAUD IN REAL TIME USING FEEDBACK**
[54] **SYSTEME ET PROCEDES D'ATTENUATION DE FRAUDE EN TEMPS REEL A L'AIDE D'UNE RETROACTION**
[72] TAYLOR, LUKE ANTHONY JAMES, AU
[72] JOLLY, RAIGON, AU
[72] BONKOWSKI, ANDRE, AU
[72] KOSTENKO, ANDREY, AU
[71] TRAFFICGUARD PTY LTD, AU
[85] 2020-10-16
[86] 2019-04-17 (PCT/AU2019/050343)
[87] (WO2019/200432)
[30] AU (2018901298) 2018-04-18

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[13] A1
[51] **Int.Cl. F16B 7/14 (2006.01) B66C 1/34 (2006.01) E21B 19/02 (2006.01) F16C 7/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE BAIL EXTENSION**
[54] **EXTENSION D'ANSE REGLABLE**
[72] ALLEN, MATTHEW, CA
[72] MORRILL, KYLE, CA
[72] SHEEHAN, MARK, CA
[72] SLACK, MAURICE WILLIAM, CA
[71] NOETIC TECHNOLOGIES INC., CA
[85] 2020-10-16
[86] 2019-04-29 (PCT/CA2019/000052)
[87] (WO2019/204897)
[30] US (62/663,823) 2018-04-27

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[13] A1
[51] **Int.Cl. B29C 71/00 (2006.01) B29C 64/35 (2017.01)**
[25] EN
[54] **METHOD FOR TREATMENT OF ELEMENTS OBTAINED BY AN ADDITIVE MANUFACTURING PROCESS**
[54] **PROCEDE DE TRAITEMENT D'ELEMENTS OBTENUS PAR UN PROCEDE DE FABRICATION ADDITIVE**
[72] ABSTREITER, TOBIAS, DE
[71] TECHNISCHE UNIVERSITAT MUNCHEN, DE
[85] 2020-10-16
[86] 2019-04-16 (PCT/EP2019/059819)
[87] (WO2019/201932)
[30] EP (18167627.1) 2018-04-16
[30] EP (18181048.2) 2018-06-30
[30] EP (18205801.6) 2018-11-12

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[13] A1
[51] **Int.Cl. A61M 16/00 (2006.01) A61M 16/10 (2006.01) A61M 16/14 (2006.01) A61M 16/20 (2006.01)**
[25] EN
[54] **LIQUID VENTILATOR AND METHOD TO INDUCE TIDAL LIQUID VENTILATION AND/OR HYPORTHERMIA**
[54] **VENTILATEUR A LIQUIDE ET METHODE POUR INDUIRE UNE VENTILATION LIQUIDE TIDAL ET/OU UNE HYPORTHERMIE**
[72] MICHEAU, PHILIPPE, CA
[72] TISSIER, RENAUD, FR
[72] KOHLHAUER, MATTHIAS, FR
[72] MOUSSEAU, JULIEN, CA
[72] NADEAU, MATHIEU, CA
[72] NADEAU, MATHIEU, CA
[72] VANDAMME, JONATHAN, CA
[71] UNIVERSITE DE SHERBROOKE, CA
[71] INSTITUT NATIONAL DE LA SANT ET DE LA RECHERCHE MEDICALE, FR
[71] UNIVERSITE PARIS EST CRETEIL VAL DE MARNE, FR
[71] ECOLE NATIONALE VETERINAIRE D'ALFORT, FR
[85] 2020-10-16
[86] 2019-04-12 (PCT/CA2019/050450)
[87] (WO2019/200459)
[30] EP (18020155.0) 2018-04-17
[30] EP (18020156.8) 2018-04-17

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[13] A1
[51] **Int.Cl. G21C 7/22 (2006.01) G21C 9/033 (2006.01)**
[25] EN
[54] **GAS-BASED REACTIVITY CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE REACTIVITE A BASE D'UN GAZ**
[72] ATTIEH, IBRAHIM KHALIL, CA
[72] CHEN, MEI, CA
[72] DEMERS, ZACHARY TODD, CA
[72] ECKHARDT, ADAM, CA
[72] KARMANOVA, ANNA, CA
[72] MACDONALD, MARTIN WALTER, CA
[72] MASRORR, MALIHA, CA
[72] MILLARD, JULIAN WILLIAM FRANCIS, CA
[72] QAZI, SMEENA, CA
[72] SOULARD, MICHAEL, CA
[72] TUME, PAMELA DARLENE, CA
[72] TYO, JONATHAN ANDREW, CA
[72] WALKER, ZANE HARRY, CA
[71] CANDU ENERGY INC., CA
[85] 2020-10-16
[86] 2019-04-16 (PCT/CA2019/050467)
[87] (WO2019/200468)
[30] US (62/658,396) 2018-04-16

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[13] A1
[51] **Int.Cl. A61B 8/08 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR INSPECTING THE STABILITY OF A DENTAL IMPLANT**
[54] **DISPOSITIF ET PROCEDE DE CONTROLE DE LA STABILITE D'UN IMPLANT DENTAIRE**
[72] HAIAT, GUILLAUME, FR
[72] VAYRON, ROMAIN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] L'ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[71] UNIVERSITE PARIS XII - VAL DE MARNE, FR
[85] 2020-10-16
[86] 2019-04-16 (PCT/EP2019/059739)
[87] (WO2019/201888)
[30] FR (1853306) 2018-04-16

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[13] A1
[51] **Int.Cl. F24H 1/20 (2006.01) F24H 9/00 (2006.01)**
[25] EN
[54] **ELECTRIC WATER HEATER HAVING A BYPASS**
[54] **CHAUFFE-EAU ELECTRIQUE A DERIVATION**
[72] BOROS, JOZEF, US
[72] JASTEH, SINA, US
[71] RHEEM MANUFACTURING COMPANY, US
[85] 2020-10-15
[86] 2019-04-22 (PCT/US2019/028565)
[87] (WO2019/209744)
[30] US (15/960,363) 2018-04-23

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[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A01N 43/653 (2006.01) A01P 5/00 (2006.01) A01P 7/02 (2006.01) A01P 7/04 (2006.01) A61K 31/454 (2006.01) A61K 31/506 (2006.01) A61P 33/14 (2006.01) C07D 403/04 (2006.01)**
[25] EN
[54] **HETEROARYL-TRIAZOLE AND HETEROARYL-TETRAZOLE COMPOUNDS AS PESTICIDES**
[54] **COMPOSES HETEROARYLE-TRIAZOLE ET HETEROARYLE-TETRAZOLE UTILISES EN TANT QUE PESTICIDES**
[72] ARLT, ALEXANDER, DE
[72] HALLENBACH, WERNER, DE
[72] SCHWARZ, HANS-GEORG, DE
[72] FUSSLEIN, MARTIN, DE
[72] WROBLOWSKY, HEINZ-JURGEN, DE
[72] LINKA, MARC, DE
[72] GORGENS, ULRICH, DE
[72] ILG, KERSTIN, DE
[72] EBBINGHAUS-KINTSCHER, ULRICH, DE
[72] CANCHO GRANDE, YOLANDA, DE
[72] DAMIJONAITIS, ARUNAS JONAS, DE
[72] TURBERG, ANDREAS, DE
[72] HEISLER, IRING, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2020-10-16
[86] 2019-04-18 (PCT/EP2019/060081)
[87] (WO2019/202077)
[30] EP (18168405.1) 2018-04-20

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) A61K 39/395 (2006.01) A61P 7/02 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **FUSION PROTEINS CONTAINING CD47 ANTIBODIES AND CYTOKINES**
[54] **PROTEINES DE FUSION CONTENANT DES ANTICORPS ANTI-CD47 ET DES CYTOKINES**
[72] WANG, ZHENGYI, CN
[72] CAO, WEI, CN
[72] FANG, LEI, CN
[72] GUO, BINGSHI, CN
[71] I-MAB BIOPHARMA US LIMITED, US
[85] 2020-10-16
[86] 2019-04-30 (PCT/CN2019/085096)
[87] (WO2020/098232)
[30] CN (PCT/CN2018/114975) 2018-11-12

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[51] **Int.Cl. A61B 5/16 (2006.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR THE DETERMINATION OF AROUSAL STATES, CALIBRATED COMMUNICATION SIGNALS AND MONITORING AROUSAL STATES**
[54] **SYSTEMES ET PROCEDES DE DETERMINATION D'ETATS D'EVEIL, SIGNAUX DE COMMUNICATION ETALONNES ET SURVEILLANCE D'ETATS D'EVEIL**
[72] GROLEAU, DIANE, CA
[72] BROCHU, PASCALE, CA
[72] PELLETIER, MARC-ANTOINE, CA
[72] CORCOS, SIMON, CA
[72] SALVAIL, ALEX, CA
[72] DUCHESNE, JULIEN, CA
[72] HOWTON, ROZARINA MD YUSOF, CA
[71] TECHNOLOGIES HOP-CHILD, INC., CA
[85] 2020-10-16
[86] 2019-04-16 (PCT/CA2019/050473)
[87] (WO2019/200474)
[30] US (62/658,353) 2018-04-16

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[51] **Int.Cl. B62D 15/02 (2006.01) B62D 13/00 (2006.01) B62D 13/04 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING A TURNING RADIUS**
[54] **PROCEDE DE DETERMINATION DU RAYON D'UNE COURBE**
[72] BIRO, GYORY JOSEF, DE
[72] MULLER, CHRISTOPH, DE
[71] LEMKEN GMBH & CO KG, DE
[85] 2020-10-16
[86] 2019-04-16 (PCT/DE2019/100349)
[87] (WO2019/201394)
[30] DE (10 2018 003 170.6) 2018-04-18
[30] DE (10 2019 109 191.8) 2019-04-08

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[51] **Int.Cl. A43C 15/06 (2006.01) A43C 15/00 (2006.01)**
[25] EN
[54] **SHOE ACCESSORY TRACTION DEVICE**
[54] **DISPOSITIF DE TRACTION D'ACCESSOIRE DE CHAUSSURE**
[72] NACHMANI, GILAD FRANK, US
[71] MINIMAL GEAR LLC, US
[85] 2020-10-15
[86] 2019-04-22 (PCT/US2019/028573)
[87] (WO2019/204825)
[30] US (62/660,786) 2018-04-20

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MODEL AUTO-SELECTION USING AN ENSEMBLE OF MACHINE LEARNING MODELS**
[54] **PROCEDE ET SYSTEME D'AUTO-SELECTION DE MODELE A L'AIDE D'UN ASSORTIMENT DE MODELES D'APPRENTISSAGE AUTOMATIQUE**
[72] PADMANABHAN, KANCHANA, CA
[72] KENG, BRIAN, CA
[71] RUBIKLOUD TECHNOLOGIES INC., CA
[85] 2020-10-16
[86] 2019-04-17 (PCT/CA2019/050482)
[87] (WO2019/200480)
[30] US (62/659,174) 2018-04-18

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[51] **Int.Cl. C09J 7/40 (2018.01) C09J 7/29 (2018.01) C09J 7/38 (2018.01) B32B 7/12 (2006.01)**
[25] EN
[54] **SELF-ADHESIVE FILM HAVING AN ADHESIVE-FRIENDLY SURFACE AND COVER LAYER**
[54] **FILM AUTO-ADHESIF A SURFACE AISEE A COLLER ET A COUCHE DE RECOUVREMENT**
[72] WIGGER, THOMAS, CH
[72] SEVENIG, FLORIAN, CH
[71] UZIN UTZ SCHWEIZ AG, CH
[85] 2020-10-16
[86] 2019-04-18 (PCT/EP2019/060130)
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[51] **Int.Cl. C25C 3/08 (2006.01) C04B 35/45 (2006.01)**
[25] EN
[54] **MATERIAL COMPONENTS PROTECTION AGAINST THE CORROSIVE ACTION CRYOLITE MELTS IN ALUMINIUM REDUCTION CELLS**
[54] **PROTECTION DE COMPOSANTS MATERIELS CONTRE LES FUSIONS DE CRYOLITE A ACTION CORROSIVE DANS DES CELLULES DE REDUCTION D'ALUMINIUM**
[72] ALLAIRE, CLAUDE, CA
[71] LABORATOIRE CIR INC., CA
[85] 2020-10-16
[86] 2019-04-16 (PCT/CA2019/050469)
[87] (WO2019/200470)
[30] US (62/658,029) 2018-04-16

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[51] **Int.Cl. B65B 25/14 (2006.01) B65B 63/02 (2006.01) D21H 27/00 (2006.01)**
[25] EN
[54] **METHOD FOR COMPRESSING STRUCTURED TISSUES**
[54] **PROCEDE POUR COMPRESSER DES TISSUS STRUCTURES**
[72] WALLENIUS, HANS, SE
[72] LJUSEGREN, INGELA, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2020-10-16
[86] 2018-05-15 (PCT/EP2018/062463)
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[51] **Int.Cl. H04L 12/16 (2006.01) G06F 16/95 (2019.01) G06F 16/9535 (2019.01)**
[25] EN
[54] **GROUP A: SYSTEM FOR PROVIDING RECOMMENDED CONTENT BASED ON COMPATIBILITY OF USER PROFILES; GROUP B: SYSTEM FOR PROVIDING RECOMMENDED CONTENT BASED ON USER INTERACTION WITH ONLINE CONTENT AND COMPATIBILITY OF USER PROFILES**
[54] **GROUPE A : SYSTEME POUR FOURNIR UN CONTENU RECOMMANDE SUR LA BASE DE LA COMPATIBILITE DE PROFILS D'UTILISATEURS; GROUPE B : SYSTEME POUR FOURNIR UN CONTENU RECOMMANDE SUR LA BASE D'UNE INTERACTION D'UTILISATEUR AVEC UN CONTENU EN LIGNE ET UNE COMPATIBILITE DE PROFILS D'UTILISATEUR**
[72] KAVIANI, NIMA, CA
[72] BROWN-GANZERT, LYNDA, CA
[72] DAVOODI, ALIREZA, CA
[72] KARDAN, SAMAD, CA
[71] CURATIO NETWORKS INCORPORATED, CA
[85] 2020-10-16
[86] 2019-04-18 (PCT/CA2019/050488)
[87] (WO2019/200485)
[30] US (62/659,389) 2018-04-18

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[51] **Int.Cl. G02B 6/44 (2006.01) G01B 11/16 (2006.01) G01D 5/32 (2006.01) G01H 9/00 (2006.01)**
[25] EN
[54] **OPTICAL FIBER ASSEMBLY**
[54] **ENSEMBLE FIBRE OPTIQUE**
[72] DANKERS, ARNE, CA
[72] JALILIAN, SEYED EHSAN, CA
[71] HIFI ENGINEERING INC., CA
[85] 2020-10-16
[86] 2019-05-07 (PCT/CA2019/050606)
[87] (WO2019/213759)
[30] US (62/668,717) 2018-05-08

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[51] **Int.Cl. B01F 3/04 (2006.01) B01J 3/02 (2006.01) C02F 1/02 (2006.01) C02F 1/72 (2006.01) C02F 11/08 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING A SULPHIDE-CONTAINING WASTE LYE**
[54] **PROCEDE ET DISPOSITIF DE TRAITEMENT DE LESSIVE RESIDUAIRE**
[72] WELLENHOFER, ANTON, DE
[72] ZANDER, JORG, DE
[72] ANANIEVA, EKATERINA, DE
[72] HAIRER, FLORIAN, DE
[72] BAUS, MICHAEL, DE
[72] SCHUBERT, MARTIN, DE
[71] LINDE GMBH, DE
[85] 2020-10-16
[86] 2019-04-26 (PCT/EP2019/060804)
[87] (WO2019/207138)
[30] DE (10 2018 110 293.3) 2018-04-27
[30] EP (18178648.4) 2018-06-19

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[51] **Int.Cl. A01N 35/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR ATTRACTING PESTS AND USES THEREOF**
[54] **COMPOSITIONS POUR ATTIRER DES NUISIBLES ET LEURS UTILISATIONS**
[72] MAILLEUX, ANNE-CATHERINE, BE
[72] SOLHEID, MANHATTAN, BE
[72] MANGHI, ALICE, BE
[72] PEETERS, CELINE, BE
[72] CLOTUCHE, GWENDOLINE, BE
[71] DOMOBIOS, BE
[85] 2020-10-16
[86] 2019-06-28 (PCT/EP2019/067305)
[87] (WO2020/002584)
[30] EP (18180464.2) 2018-06-28
[30] US (62/724,920) 2018-08-30

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[51] **Int.Cl. F16L 37/092 (2006.01)**
[25] EN
[54] **FLUID CONNECTOR**
[54] **CONNECTEUR POUR FLUIDE**
[72] KLUSS, WILLIAM VERNON, AU
[72] RAVISANKAR, SAI KISHORE, US
[72] FADE, JAMES, GB
[72] SMITH, JOSHUA, GB
[72] ANSELL, GLEN, GB
[71] RELIANCE WORLDWIDE CORPORATION, US
[85] 2020-10-15
[86] 2019-04-23 (PCT/US2019/028772)
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[30] US (62/662,147) 2018-04-24
[30] US (62/682,098) 2018-06-07

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[51] **Int.Cl. G01N 23/223 (2006.01) B03B 13/06 (2006.01) C22B 3/02 (2006.01) G01T 1/16 (2006.01) G21K 1/06 (2006.01)**
[25] EN
[54] **X-RAY FLUORESCENCE ANALYSER, AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS**
[54] **ANALYSEUR DE FLUORESCENCE X ET PROCEDE DE REALISATION D'ANALYSE DE FLUORESCENCE X**
[72] KOSKINEN, TOMMI, FI
[72] PELLI, ANTTI, FI
[72] SIPILA, HEIKKI, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2020-10-16
[86] 2018-04-20 (PCT/FI2018/050281)
[87] (WO2019/202197)

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[51] **Int.Cl. B32B 37/06 (2006.01) A61F 13/514 (2006.01) B32B 5/02 (2006.01) B32B 27/12 (2006.01) B32B 27/20 (2006.01) B32B 27/32 (2006.01) B29C 55/18 (2006.01) B29C 59/04 (2006.01) B32B 37/00 (2006.01) B32B 37/08 (2006.01) B32B 37/20 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING PRINTED NONWOVEN-FILM LAMINATES**
[54] **PROCEDE DE FABRICATION DE STRATIFIES IMPRIMES DE FEUILLE ET DE NON-TISSE**
[72] BORMANN, LUDWIG, DE
[71] RKW SE, DE
[85] 2020-10-16
[86] 2019-04-17 (PCT/EP2019/059949)
[87] (WO2019/206769)
[30] EP (18169085.0) 2018-04-24

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[51] **Int.Cl. A61K 8/73 (2006.01) A61Q 17/00 (2006.01) A61Q 19/08 (2006.01)**
[25] FR
[54] **FILM-FORMING SYSTEM WITH BARRIER EFFECT, IN PARTICULAR AGAINST AIR POLLUTION, OF NATURAL ORIGIN AND FOR USE IN COSMETICS**
[54] **SYSTEME FILMOGENE A EFFET BARRIERE, NOTAMMENT ANTI-POLLUTION ATMOSPHERIQUE, D'ORIGINE NATURELLE ET D'USAGE DANS LES COSMETIQUES**
[72] MENTINK, LEON, FR
[72] WILS, DANIEL, FR
[72] PIOT, SOPHIE, FR
[71] ROQUETTE FRERES, FR
[85] 2020-10-16
[86] 2019-04-17 (PCT/FR2019/050920)
[87] (WO2019/202264)
[30] FR (1853350) 2018-04-17

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[51] **Int.Cl. G01N 23/223 (2006.01) B03B 13/06 (2006.01) G21K 1/06 (2006.01) C22B 3/02 (2006.01) G01T 1/16 (2006.01)**
[25] EN
[54] **X-RAY FLUORESCENCE ANALYZER, AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS**
[54] **ANALYSEUR DE FLUORESCENCE X ET PROCEDE DE REALISATION D'ANALYSE DE FLUORESCENCE X**
[72] KOSKINEN, TOMMI, FI
[72] PELLI, ANTTI, FI
[72] SIPILA, HEIKKI, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2020-10-16
[86] 2018-04-20 (PCT/FI2018/050282)
[87] (WO2019/202198)

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[13] A1
[51] **Int.Cl. G01N 23/223 (2006.01) B03B 13/06 (2006.01) C22B 3/02 (2006.01) G01T 1/16 (2006.01) G21K 1/06 (2006.01)**
[25] EN
[54] **X-RAY FLUORESCENCE ANALYZER WITH A PLURALITY OF MEASUREMENT CHANNELS, AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS**
[54] **ANALYSEUR A FLUORESCENCE X DOTE D'UNE PLURALITE DE CANAUX DE MESURE, ET PROCEDE DE REALISATION D'UNE ANALYSE PAR FLUORESCENCE X**
[72] KOSKINEN, TOMMI, FI
[72] PELLI, ANTTI, FI
[72] SIPILA, HEIKKI, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2020-10-16
[86] 2018-04-20 (PCT/FI2018/050283)
[87] (WO2019/202199)

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[51] **Int.Cl. A61K 31/05 (2006.01) A61K 33/06 (2006.01) A61K 33/08 (2006.01) A61P 15/08 (2006.01)**
[25] EN
[54] **MIXTURE OF RESVERATROL SUPPORTED ON METAL HYDROXIDE AND NON-SUPPORTED PURE RESVERATROL FOR TREATING FEMALE FERTILITY**
[54] **MELANGE DE RESVERATROL SUPPORTE SUR DE L'HYDROXYDE METALLIQUE ET DE RESVERATROL PUR NON SUPPORTE POUR LE TRAITEMENT DE LA FERTILITE FEMININE**
[72] FIORETTI, BERNARD, IT
[72] LEONARDI, LUCIO, IT
[71] S&R FARMACEUTICI S.P.A., IT
[85] 2020-10-16
[86] 2019-04-16 (PCT/IB2019/053137)
[87] (WO2019/202508)
[30] IT (102018000004540) 2018-04-16

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[13] A1
[51] **Int.Cl. G01H 3/10 (2006.01)**
[25] EN
[54] **VIBRATION DOSE MEASUREMENT APPARATUS**
[54] **APPAREIL DE MESURE DE DOSE DE VIBRATION**
[72] FERARU, ANDREI MIHAI, GB
[72] GRIFFIN, JAMES MARCUS, GB
[71] COVENTRY UNIVERSITY, GB
[85] 2020-10-16
[86] 2019-03-29 (PCT/GB2019/050911)
[87] (WO2019/202293)
[30] GB (1806393.3) 2018-04-19

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[13] A1
[51] **Int.Cl. A61K 8/02 (2006.01) A61K 8/73 (2006.01) A61P 11/02 (2006.01) A61P 11/06 (2006.01) A61P 17/04 (2006.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **HIGH MOLECULAR WEIGHT HYALURONIC ACID FOR ENHANCING EPITHELIAL SURVIVAL AND RECONSTITUTION OF BODY SURFACES**
[54] **ACIDE HYALURONIQUE DE HAUT POIDS MOLECULAIRE POUR AUGMENTER LA SURVIE EPITHELIALE ET LA RECONSTITUTION DE SURFACES CORPORELLES**
[72] MULLER-LIERHEIM, WOLFGANG GEORG KONRAD, DE
[72] VAN SETTEN, GYSBERT-BOTHO, SE
[71] I.COM MEDICAL GMBH, DE
[85] 2020-10-16
[86] 2019-04-17 (PCT/EP2019/059962)
[87] (WO2019/202015)
[30] US (62/659,180) 2018-04-18

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[13] A1
[51] **Int.Cl. C09C 1/48 (2006.01) C01B 32/05 (2017.01)**
[25] EN
[54] **A METHOD OF CARBONIZATE PURIFICATION**
[54] **PROCEDE DE PURIFICATION DE CARBONISAT**
[72] BANACH, MARCIN, PL
[72] PULLIT-PROCIAK, JOLANTA, PL
[71] SYNTOIL SPOLKA AKCYJNA, PL
[85] 2020-10-16
[86] 2019-04-15 (PCT/IB2019/053077)
[87] (WO2019/202465)
[30] PL (P.425261) 2018-04-17

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[13] A1
[51] **Int.Cl. B64D 17/80 (2006.01) B64C 39/02 (2006.01) B64D 17/70 (2006.01)**
[25] EN
[54] **UNMANNED AERIAL VEHICLE RECOVERY SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION DE VEHICULE AERIEN SANS PILOTE**
[72] BOUDREAU, JOSH, CA
[72] WATTERS, ROBERT D., CA
[72] SIROIS, MIKE, CA
[72] BOUCHER, LUC, CA
[72] POISSON, ETIENNE, CA
[72] OGDEN, JOSH, CA
[71] AVSS - AERIAL VEHICLE SAFETY SOLUTIONS INC., CA
[85] 2020-10-16
[86] 2019-04-17 (PCT/IB2019/053196)
[87] (WO2019/202533)
[30] US (62/658,973) 2018-04-17
[30] US (62/812,686) 2019-03-01

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[13] A1
[51] **Int.Cl. G01N 23/207 (2018.01) C22B 3/02 (2006.01) G01N 23/223 (2006.01) G01T 1/16 (2006.01) G21K 1/06 (2006.01)**
[25] EN
[54] **X-RAY FLUORESCENCE ANALYZER SYSTEM AND A METHOD FOR PERFORMING X-RAY FLUORESCENCE ANALYSIS OF AN ELEMENT OF INTEREST IN SLURRY**
[54] **SYSTEME D'ANALYSEUR A FLUORESCENCE X ET PROCEDE POUR EFFECTUER UNE ANALYSE PAR FLUORESCENCE X D'UN ELEMENT D'INTERET DANS UNE BOUE**
[72] SIPILA, HEIKKI, FI
[72] PELLI, ANTTI, FI
[72] KOSKINEN, TOMMI, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2020-10-16
[86] 2019-02-18 (PCT/FI2019/050126)
[87] (WO2019/202201)
[30] FI (PCT/FI2018/050281) 2018-04-20
[30] FI (PCT/FI2018/050282) 2018-04-20
[30] FI (PCT/FI2018/050283) 2018-04-20

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[13] A1
[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/113 (2006.01)**
[25] EN
[54] **FIXATION DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] BERRY, SIMON, GB
[71] SIMON BERRY OPTOMETRIST LTD, GB
[85] 2020-10-16
[86] 2019-03-29 (PCT/GB2019/050919)
[87] (WO2019/202294)
[30] GB (1806387.5) 2018-04-19

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[13] A1
[51] **Int.Cl. C08J 11/14 (2006.01) B01J 19/02 (2006.01) C07C 51/09 (2006.01) C07C 51/54 (2006.01) C07C 57/04 (2006.01) C07C 67/333 (2006.01) C08J 11/16 (2006.01) C08J 11/22 (2006.01)**
[25] FR
[54] **RECOVERY OF (METH)ACRYLIC RESIN BY DEPOLYMERIZATION AND HYDROLYSIS**
[54] **VALORISATION DE RESINE (METH)ACRYLIQUE PAR DEPOLYMERISATION ET HYDROLYSE**
[72] DUBOIS, JEAN-LUC, FR
[71] ARKEMA FRANCE, FR
[85] 2020-10-16
[86] 2019-04-26 (PCT/FR2019/050991)
[87] (WO2019/207264)
[30] FR (1853708) 2018-04-27

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[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 34/20 (2016.01) A61B 90/00 (2016.01) A61B 17/11 (2006.01)**
[25] EN
[54] **APPARATUS FOR ORIENTATION DISPLAY AND ALIGNMENT IN PERCUTANEOUS DEVICES**
[54] **APPAREIL DESTINE A L'AFFICHAGE D'ORIENTATION ET A L'ALIGNEMENT DANS DES DISPOSITIFS PERCUTANES**
[72] POPA, SORIN, GB
[72] DICKINSON, ROBERT, GB
[71] STENT TEK LIMITED, GB
[85] 2020-10-16
[86] 2019-04-23 (PCT/GB2019/051132)
[87] (WO2019/202339)
[30] GB (1806457.6) 2018-04-20
[30] GB (1806644.9) 2018-04-24
[30] GB (1806642.3) 2018-04-24

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[13] A1
[51] **Int.Cl. A61K 31/728 (2006.01) A61K 9/00 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **HIGH MOLECULAR WEIGHT HYALURONIC ACID FOR TREATMENT AND PREVENTION OF SEVERE OCULAR SURFACE DISEASE**
[54] **ACIDE HYALURONIQUE DE POIDS MOLECULAIRE ELEVE POUR LE TRAITEMENT ET LA PREVENTION D'UNE MALADIE DE SURFACE OCULAIRE GRAVE**
[72] MULLER-LIERHEIM, WOLFGANG, GEORG, KONRAD, DE
[72] VAN SETTEN, GYSBERT-BOTHO, SE
[71] I.COM MEDICAL GMBH, DE
[85] 2020-10-16
[86] 2019-04-17 (PCT/EP2019/059965)
[87] (WO2019/202017)
[30] US (62/659,215) 2018-04-18

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[13] A1
[51] **Int.Cl. C07D 495/14 (2006.01) A61K 31/437 (2006.01) A61K 31/4375 (2006.01) A61K 31/444 (2006.01) C07D 471/14 (2006.01) C07D 513/14 (2006.01)**
[25] EN
[54] **PHARMACEUTICALLY EFFECTIVE COMPOUNDS INHIBITING SELECTIVELY THE MYOSIN 2 ISOFORMS**
[54] **COMPOSES PHARMACEUTIQUEMENT EFFICACES INHIBANT SELECTIVEMENT LES ISOFORMES DE MYOSINE 2**
[72] MALNASI-CSIZMADIA, ANDRAS, HU
[72] GYIMESI, MATE, HU
[72] SZABO, ANDRAS, HU
[72] HARI, PETER, HU
[72] KUMAR, SUTHAR SHARAD, HU
[72] KOVACS, MIHALY, HU
[72] HORVATH, ADAM ISTVAN, HU
[72] PENZES, MATE, HU
[72] LORINCZ, ISTVAN, HU
[72] HORVATH, VAJK, HU
[72] REPASI, JOZSEF, HU
[72] BATORI, SANDOR, HU
[72] VEGNER, LASZLO, HU
[72] SZONYEGI, ZOLTAN, HU
[72] SIMON, ZOLTAN, HU
[71] PRINTNET KERESKEDELMI ES SZOLGALTATO KFT., HU
[71] EOTVOS LORAND TUDOMANYEGYETEM, HU
[85] 2020-10-16
[86] 2019-04-18 (PCT/HU2019/050017)
[87] (WO2019/202346)
[30] HU (P1800129) 2018-04-18

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[13] A1
[51] **Int.Cl. B65D 21/02 (2006.01) B65D 81/34 (2006.01)**
[25] EN
[54] **PACKAGE FOR FOOD PRODUCTS AND USES THEREOF**
[54] **EMBALLAGE POUR PRODUITS ALIMENTAIRES ET UTILISATIONS DE CET EMBALLAGE**
[72] RANA, GIAN LUCA, IT
[71] PASTIFICIO RANA S.P.A., IT
[85] 2020-10-16
[86] 2019-04-19 (PCT/IB2019/053267)
[87] (WO2019/202565)
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[54] **DISPOSITIF POUR LE MAINTIEN ET LA LIBERATION D'UN OBJET, ENSEMBLE ET PROCEDE DE LIBERATION CORRESPONDANTS**
[72] RICHART, OLIVIER, FR
[71] SELENIUM MEDICAL, FR
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[54] **CARTOUCHE A DOUBLE SERINGUE ET BOITIER**
[72] GUO, JIANXIN, US
[72] SCHNEIDER, JARED, US
[72] COHN, SIMON, US
[72] KOKINELIS, CHRISTOPHER ANTHONY, US
[71] ETHICON, INC., US
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[25] EN
[54] **COMBINATIONS FOR TREATING CANCER**
[54] **ASSOCIATIONS POUR LE TRAITEMENT DU CANCER**
[72] BOIKO, SCOTT, US
[72] CIDADO, JUSTIN, US
[72] DREW, LISA, US
[72] PROIA, THERESA, US
[72] SAN MARTIN, MARYANN, US
[71] ASTRAZENECA AB, SE
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[54] **DISPOSABLE CARTRIDGE COOPERATING WITH A PLATFORM IN A FLEXIBLE SYSTEM FOR HANDLING AND/OR MANIPULATING FLUIDS**
[54] **CARTOUCHE JETABLE COOPERANT AVEC UNE PLATEFORME DANS UN SYSTEME SOUPLE POUR MANIER ET/OU MANIPULER DES FLUIDES**
[72] HORNA TOMAS, DAVID, GB
[72] COSTA FERRANDO, MIQUEL, GB
[71] AGLARIS LTD, GB
[85] 2020-10-16
[86] 2019-04-17 (PCT/EP2019/059976)
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[54] **MOISTURE RESISTANT PROBIOTIC GRANULE AND METHODS OF PRODUCING THE SAME**
[54] **GRANULE PROBIOTIQUE RESISTANT A L'HUMIDITE ET SES PROCEDES DE PRODUCTION**
[72] PENHASI, ADEL, IL
[72] BALUASHVILI, ISRAEL, IL
[71] POLYCAPS HOLDINGS LTD., IL
[85] 2020-10-16
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[54] **ABSORBENT ARTICLE**
[54] **ARTICLE ABSORBANT**
[72] VAN INGELGEM, WERNER, BE
[72] SMET, STEVEN, BE
[72] VAN MALDEREN, BART, BE
[71] DRYLOCK TECHNOLOGIES NV, BE
[85] 2020-10-16
[86] 2019-04-24 (PCT/EP2019/060462)
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[54] **ANEMOMETER**
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[72] HALFON, ITZHAK, IL
[71] VENTUS-PRODUCT DEVELOPMENT & CONSULTING LTD, IL
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[25] EN
[54] **POLYOLEFIN ADDITIVE FORMULATIONS**
[54] **FORMULATIONS D'ADDITIFS POLYOLEFINIQUES**
[72] HAN, SUH JOON, US
[72] KJELLQVIST, JERKER B.L., CH
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-10-15
[86] 2019-04-25 (PCT/US2019/029075)
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[25] EN
[54] **METHOD FOR TREATING A SULPHIDE-CONTAINING WASTE LYE**
[54] **PROCEDE DE TRAITEMENT D'UNE LESSIVE RESIDUAIRE CONTENANT DES SULFURES**
[72] WELLENHOFER, ANTON, DE
[72] ZANDER, JORG, DE
[72] ANANIEVA, EKATERINA, DE
[72] HAIRER, FLORIAN, DE
[72] BAUS, MICHAEL, DE
[72] SCHUBERT, MARTIN, DE
[71] LINDE GMBH, DE
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[51] **Int.Cl. B01J 3/00 (2006.01) C02F 1/72 (2006.01) C02F 11/08 (2006.01)**
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[54] **METHOD AND SYSTEM FOR TREATING A WASTE LIQUOR OF A CAUSTIC WASH**
[54] **PROCEDE ET INSTALLATION POUR LE TRAITEMENT D'UNE LESSIVE D'UN LAVE LESSIVE**
[72] WELLENHOFER, ANTON, DE
[72] ZANDER, JORG, DE
[72] ANANIEVA, EKATERINA, DE
[72] HAIRER, FLORIAN, DE
[72] ROTHE, MICHAEL, DE
[72] SCHUBERT, MARTIN, DE
[71] LINDE GMBH, DE
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[54] **BASEBALL CAP**
[54] **CASQUETTE DE BASEBALL**
[72] RODGERS, TRAFTON D., US
[71] RODGERS, TRAFTON D., US
[85] 2020-10-15
[86] 2019-04-25 (PCT/US2019/029114)
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[54] **AQUEOUS ADHESIVE FOR INORGANIC MATERIALS**
[54] **ADHESIF AQUEUX POUR MATERIAUX INORGANIQUES**
[72] HAYASHI, MIYUKI, JP
[72] KITA, AI, JP
[72] TSUKAMOTO, MASAYA, JP
[71] SANYO CHEMICAL INDUSTRIES, LTD., JP
[71] MAG-ISOVER KABUSHIKI KAISHA, JP
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[54] **SYSTEMS AND METHODS FOR CONNECTING A PUBLIC DEVICE TO A PRIVATE DEVICE WITHOUT PRE-INSTALLED CONTENT MANAGEMENT APPLICATIONS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE CONNECTER UN DISPOSITIF PUBLIC A UN DISPOSITIF PRIVE SANS APPLICATIONS DE GESTION DE CONTENU PRE-INSTALLEES**
[72] THOMAS, WILLIAM L., US
[71] ROVI GUIDES, INC., US
[85] 2020-10-15
[86] 2019-04-30 (PCT/US2019/029886)
[87] (WO2019/217144)
[30] US (15/976,362) 2018-05-10
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[25] EN
[54] **METHODS OF TREATING COMPLEX REGIONAL PAIN SYNDROME (CRPS) OR SYMPTOMS COMPRISING ADMINISTRATION OF NERIDRONIC ACID**
[54] **METHODES DE TRAITEMENT DU SYNDROME DE DOULEUR REGIONALE COMPLEXE (SDRC) OU DE SYMPTOMES COMPRENANT L'ADMINISTRATION D'ACIDE NERIDRONIQUE**
[72] LANGE, BERND, DE
[72] BENAY, STEPHAN, FR
[72] EERDEKENS, MARIELLE, BE
[72] ENGELEN, SYLVIA, NL
[72] THUN, SUSANNE, DE
[72] KNEIP, CHRISTA, DE
[71] ABIOGEN PHARMA S.P.A., IT
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[54] **IN-DIRECT METHOD AND SYSTEM FOR VITAMIN A DEFICIENCY DETECTION**
[54] **PROCEDE ET SYSTEME INDIRECT DE DETECTION D'UNE CARENCE EN VITAMINE A**
[72] MEHTA, POORN RAJESHBHAI, IN
[71] MEHTA, POORN RAJESHBHAI, IN
[85] 2020-10-16
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[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **SUSTAINED RELEASE FORMULATIONS OF DYSOXYLUM BINECTARIFERUM**
[54] **FORMULATIONS A LIBERATION PROLONGEE DE DYSOXYLUM BINECTARIFERUM**
[72] BHARATE, SONALI SANDIP, IN
[72] KUMAR, VIKAS, IN
[72] GUPTA, MEHAK, IN
[72] GANDHI, SUMIT, IN
[72] KUMAR, AJAY, IN
[72] BHARATE, SANDIP BIBISHAN, IN
[72] VISHWAKARMA, RAM, IN
[71] COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, IN
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[25] EN
[54] **CARRIER FREQUENCY SETTING METHOD, MOTOR DRIVING SYSTEM, AND CARRIER FREQUENCY SETTING DEVICE**
[54] **PROCEDE DE REGLAGE DE FREQUENCE PORTEUSE, SYSTEME DE PILOTAGE DE MOTEUR ET DISPOSITIF DE REGLAGE DE FREQUENCE PORTEUSE**
[72] OHSUGI, YASUO, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] **POLYPROPYLENE-ULTRAHIGH-MOLECULAR-WEIGHT-POLYETHYLENE COMPOSITION**
[54] **COMPOSITION DE POLYPROPYLENE-POLYETHYLENE DE MASSE MOLECULAIRE ULTRA-ELEVEE**
[72] LESKINEN, PAULI, FI
[72] WANG, JINGBO, AT
[72] GAHLEITNER, MARKUS, AT
[72] BERNREITNER, KLAUS, AT
[71] BOREALIS AG, AT
[85] 2020-10-16
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[54] **SALIVARY UREA NITROGEN RAPID DETECTION**
[54] **DETECTION RAPIDE D'AZOTE UREIQUE SALIVAIRE**
[72] GARCIA, ANTONIO, US
[72] LIEBERMAN, ABRAHAM, US
[71] DIGNITY HEALTH, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
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[25] EN
[54] **MEASURING CELL AND ASSEMBLY HAVING AT LEAST ONE MEASURING CELL FOR MEASURING THE CONDUCTIVITY AND/OR IMPEDANCE OF MILK DURING A MILKING PROCESS**
[54] **CELLULE DE MESURE ET AGENCEMENT POURVU D'AU MOINS UNE CELLULE DE MESURE POUR LA MESURE D'UNE CONDUCTIVITE ET/OU D'UNE IMPEDANCE DE LAIT DURANT UNE TRAITE**
[72] SUHR, OLAF, DE
[72] RICHARDS, CHRISTOPHER EUGENE, US
[72] SONNTAG, PATRICK, DE
[72] CAMMINADY, PHILIPP, DE
[71] GEA FARM TECHNOLOGIES GMBH, DE
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[25] EN
[54] **USE OF THIOL COMPOUNDS TO TREAT NEUROLOGICAL DISEASE**
[54] **UTILISATION DE COMPOSES THIOL POUR TRAITER UNE MALADIE NEUROLOGIQUE**
[72] ZANKEL, TODD C., US
[72] ISBELL, SARA LOUISE, US
[71] MERCAPTOR DISCOVERIES, INC., US
[85] 2020-10-16
[86] 2018-04-24 (PCT/US2018/029145)
[87] (WO2018/200527)
[30] US (62/489,132) 2017-04-24

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[51] **Int.Cl. B64C 3/38 (2006.01) B64C 27/08 (2006.01)**
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[54] **AIRCRAFT**
[54] **PROCEDE DE COMMANDE DE VOL D'AERONEF**
[72] NARAHARA, YUTAKA, JP
[71] NARAHARA, YUTAKA, JP
[85] 2020-10-16
[86] 2018-03-29 (PCT/JP2018/013317)
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[25] EN
[54] **TARGETED INTRACELLULAR DELIVERY OF LARGE NUCLEIC ACIDS**
[54] **ADMINISTRATION INTRACELLULAIRE CIBLEE DE GRANDS ACIDES NUCLEIQUES**
[72] BRINKMANN, ULRICH, DE
[72] KILLIAN, TOBIAS, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[85] 2020-10-16
[86] 2019-05-15 (PCT/EP2019/062417)
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[25] EN
[54] **DEVICES AND METHODS FOR CAN AND BOTTLE MAKING RECIRCULATION SYSTEMS**
[54] **DISPOSITIFS ET PROCEDES POUR SYSTEMES DE RECIRCULATION DE FABRICATION DE CANETTES ET DE BOUTEILLES**
[72] YODER, RANDY, E., US
[72] YERBY, PATRICK, US
[71] BELVAC PRODUCTION MACHINERY, INC., US
[85] 2020-10-15
[86] 2019-05-02 (PCT/US2019/030464)
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[30] US (62/665,810) 2018-05-02
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[25] EN
[54] **AQUEOUS ADHESIVE FOR INORGANIC MATERIALS**
[54] **ADHESIF AQUEUX POUR MATERIAUX INORGANIQUES**
[72] HAYASHI, MIYUKI, JP
[72] KITA, AI, JP
[72] TSUKAMOTO, MASAYA, JP
[71] SANYO CHEMICAL INDUSTRIES, LTD., JP
[71] MAG-ISOVER KABUSHIKI KAISHA, JP
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[54] **UNDERBODY RADAR UNITS**
[54] **UNITES RADAR POUR DESSOUS DE CARROSSERIE**
[72] BROWN, ADAM, US
[72] SMITH, LARRY, US
[71] WAYMO LLC, US
[85] 2020-10-16
[86] 2018-04-25 (PCT/US2018/029388)
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[51] **Int.Cl. F03D 1/06 (2006.01) F03D 80/30 (2016.01)**
[25] EN
[54] **TIP EXTENSIONS FOR WIND TURBINE ROTOR BLADES AND METHODS OF INSTALLING SAME**
[54] **EXTENSIONS DE POINTE POUR PALES DE ROTOR D'EOLIENNE ET LEURS PROCEDES D'INSTALLATION**
[72] TOBIN, JAMES ROBERT, US
[72] HARDISON, RICHARD, US
[72] LIVINGSTON, JAMIE T., US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2020-10-16
[86] 2018-04-27 (PCT/US2018/029808)
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[51] **Int.Cl. C07D 235/06 (2006.01) A61K 31/4184 (2006.01) A61K 31/454 (2006.01) C07D 235/12 (2006.01) C07D 401/04 (2006.01) C07D 409/04 (2006.01)**
[25] EN
[54] **BENZIMIDAZOLE DERIVATIVES AS MODULATORS OF RETINOID-RELATED ORPHAN RECEPTOR GAMMA (ROR.GAMMA.) AND PHARMACEUTICAL USES THEREOF**
[54] **DERIVES DE BENZIMIDAZOLE EN TANT QUE MODULATEURS DU RECEPTEUR GAMMA ORPHELIN ASSOCIE AUX RETINOIDES (RORG) ET LEURS UTILISATIONS PHARMACEUTIQUES**
[72] YAN, YINFA, US
[72] ZHANG, MINSHENG, US
[72] LIU, DONG, US
[72] ZHANG, FENGQI, US
[72] LIU, SUXING, US
[72] ZHANG, RUMIN, US
[72] HE, FENG, US
[72] TAO, WEIKANG, US
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTIAL CO., LTD., CN
[85] 2020-10-15
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[25] EN
[54] **ANTENNA MODULE INCLUDING DIELECTRIC MATERIAL AND ELECTRONIC DEVICE INCLUDING ANTENNA MODULE**
[54] **MODULE D'ANTENNE COMPRENANT UN MATERIAU DIELECTRIQUE ET DISPOSITIF ELECTRONIQUE COMPRENANT UN MODULE D'ANTENNE**
[72] KIM, YOONGEON, KR
[72] KO, SEUNGTAE, KR
[72] KIM, HYUNJIN, KR
[72] PARK, JUNGMIN, KR
[72] KUM, JUNSIG, KR
[72] LEE, YOUNGJU, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2020-10-16
[86] 2019-03-29 (PCT/KR2019/003705)
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[25] EN
[54] **INHIBITORS OF MICROBIALLY INDUCED AMYLOID**
[54] **INHIBITEURS D'AMYLOIDE INDUITE PAR VOIE MICROBIENNE**
[72] SAMPSON, TIMOTHY, US
[72] MAZMANIAN, SARKIS, US
[72] CAMPBELL, ANTHONY STEWART, US
[71] AXIAL BIOTHERAPEUTICS, INC., US
[71] CALIFORNIA INSTITUTE OF TECHNOLOGY, US
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[86] 2018-05-14 (PCT/US2018/032605)
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[30] US (62/506,433) 2017-05-15
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[54] **ASSEMBLY OF AN INLINER AND A TANK CONTAINER**
[54] **ENSEMBLE D'UN REVETEMENT INTERIEUR ET D'UN RECIPIENT DE RESERVOIR**
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[71] MEGA-INLINER INTERNATIONAL GROUP B.V., NL
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[54] **CAPACITIVE SENSOR DEVICE**
[54] **DISPOSITIF DE CAPTEUR CAPACITIF**
[72] FECTEAU, MICHAEL T., US
[72] CYR, STEVEN J., US
[72] SEARL, KARL M., US
[71] PITCO FRIALATOR, INC., US
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[51] **Int.Cl. C10M 171/00 (2006.01)**
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[54] **CHEMICAL METHOD FOR OBTAINING LUBRICATING COMPOSITIONS, INDUSTRIAL DEGREASERS CORROSION INHIBITORS AND OIL ADDITIVES FOR OILS AND NON-DEGRADABLE FUELS IN THE PRESENCE OF OXYGEN, WATER, HIGH TEMPERATURES AND PARTICULATE CONTAMINATION**
[54] **METHODE D'OBTENTION DE COMPOSITIONS LUBRIFIANTES, ADDITIFS HUILEUX POUR DES COMBUSTIBLES DEGRAISSANTS INDUSTRIELS**
[72] MARTUCCI URDANETA, DAVID DE JESUS, PA
[72] JIMENEZ CUMARE, WILLIAM J., PA
[71] GLOBALQUIMICA A.L C,A, PA
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[54] **MACROMERS AND COMPOSITIONS FOR PHOTOCURING PROCESSES**
[54] **MACROMERES ET COMPOSITIONS POUR PROCEDES DE PHOTOPOLYMERISATION**
[72] VAUGHN, MICHAEL AARON, US
[72] SAINI, PRABHJOT, US
[71] POLY-MED, INC., US
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[54] **MULTI-STANCE AERIAL DEVICE CONTROL AND DISPLAY**
[54] **COMMANDE ET AFFICHAGE DE DISPOSITIF AERIEN A PLUSIEURS POSITIONS**
[72] LACKORE, JR., JAMES ROGER, US
[71] SPARTAN FIRE, LLC, US
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[54] **LUBRIFIANT A TENEUR ELEVEE EN PYROPHOSPHATE**
[72] SACCOMANDO, DANIEL J., GB
[72] BARTON, WILLIAM R.S., GB
[72] D'ARCY, TOM D., GB
[71] THE LUBRIZOL CORPORATION, US
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[25] EN
[54] **PORTABLE COMBUSTION/PYROLIZATION SYSTEM WITH FIRST AND SECOND AIR SOURCES**
[54] **SYSTEME DE COMBUSTION/PYROLYSE PORTABLE AYANT DES PREMIERE ET SECONDE SOURCES D'AIR**
[72] RAGNARSSON, ANDERS, US
[71] TIGERCAT INDUSTRIES INC., CA
[85] 2020-10-16
[86] 2019-04-15 (PCT/US2019/027482)
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[54] **CONTACT ADHESIVES AND USES THEREOF**
[54] **ADHESIFS DE CONTACT ET LEURS UTILISATIONS**
[72] CHEUNG, CHUIWAH ALICE, US
[71] HENKEL IP & HOLDING GMBH, DE
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[25] EN
[54] **SYSTEM AND METHOD FOR POSITIONING A LIFT ARM ON A POWER MACHINE**
[54] **SYSTEME ET PROCEDE DE POSITIONNEMENT D'UN BRAS DE LEVAGE SUR UNE MACHINE ELECTRIQUE**
[72] ZENT, KEVIN J., US
[72] KRAUSE, TREVOR W., US
[72] ROEHRL, JONATHAN J., US
[72] CARPENTER, MARTY, US
[71] CLARK EQUIPMENT COMPANY, US
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[51] **Int.Cl. A61L 2/08 (2006.01) C02F 1/30 (2006.01) C02F 1/48 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CLEANING AND STERILIZING FLUIDS AND ARTICLES USING ELECTROMAGNETIC WAVES**
[54] **SYSTEMES ET PROCEDES DE NETTOYAGE ET DE STERILISATION DE FLUIDES ET D'ARTICLES A L'AIDE D'ONDES ELECTROMAGNETIQUES**
[72] NORLING, RASMUS PAR TOMAS, US
[71] NORLING, RASMUS PAR TOMAS, US
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[54] **PAK4 INHIBITORS AND METHODS OF USE**
[54] **INHIBITEURS DE PAK4 ET PROCEDES D'UTILISATION**
[72] RIBAS, ANTONI, US
[72] RODRIGUEZ, GABRIEL ABRIL, US
[72] GRASSO, CATHERINE, US
[72] TORREJON, DAVIS Y., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[25] EN
[54] **SILICONE-COATED MINERAL WOOL INSULATION MATERIALS AND METHODS FOR MAKING AND USING THEM**
[54] **MATERIAUX D'ISOLATION EN LAINE MINERALE REVETUS DE SILICONE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SAXENA, PAWAN, US
[72] GALLAGHER, KEVIN J., US
[72] BOZEK, JOHN J., US
[72] SAYLOR, KATHLEEN H., US
[71] CERTAINTEED LLC, US
[85] 2020-10-16
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[25] EN
[54] **PROCESS FOR CONVERTING C2-C5 HYDROCARBONS TO GASOLINE AND DIESEL FUEL BLENDSTOCKS**
[54] **PROCEDE DE CONVERSION D'HYDROCARBURES EN C2-C5 EN ESSENCE ET MELANGES DE CARBURANT DIESEL**
[72] MILLER, JEFFREY, US
[72] SLUSS, KURTIS, US
[72] WEGENHART, BENJAMIN, US
[72] D'ACOSTA, CHRIS, US
[71] SWIFT FUELS, LLC, US
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[86] 2019-04-16 (PCT/US2019/027766)
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[54] **BUCKLING-RESTRAINED BRACES AND FRAMES INCLUDING THE SAME**
[54] **BARRES ET CADRES A RESISTANCE AU FLAMBEMENT COMPRENANT LA MEME REFERENCE CROISEE A UNE APPLICATION ASSOCIEE**
[72] RICHARDS, PAUL WILLIAM, US
[71] RICHARDS, PAUL WILLIAM, US
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[51] **Int.Cl. B01D 21/01 (2006.01) C02F 1/24 (2006.01) C02F 1/463 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING A FLUID**
[54] **PROCEDE POUR TRAITER UN FLUIDE**
[72] MIGLIS, ROBERT A., US
[71] ELITE HOLDING SOLUTIONS, LLC, US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028104)
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[54] **SYSTEM AND METHOD FOR AIR DETECTION IN FLUID INJECTOR**
[54] **SYSTEME ET PROCEDE DE DETECTION D'AIR DANS UN INJECTEUR DE FLUIDE**
[72] MCDERMOTT, MICHAEL, US
[72] BARONE, WILLIAM, US
[72] IDDON, BARRY, US
[72] VOLKAR, JOHN, US
[71] BAYER HEALTHCARE LLC, US
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[86] 2019-04-18 (PCT/US2019/028124)
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[54] **THERAPEUTIC MODULATION OF TUMOR SUPPRESSORS USING EXOSOMES**
[54] **MODULATION THERAPEUTIQUE DE SUPPRESSEURS TUMORAUX A L'AIDE D'EXOSOMES**
[72] KALLURI, RAGHU, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028150)
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[51] **Int.Cl. G01N 30/86 (2006.01) G01N 30/88 (2006.01) C07K 16/24 (2006.01) G01N 30/89 (2006.01)**
[25] EN
[54] **CHROMATOGRAPHY COLUMN QUALIFICATION IN MANUFACTURING METHODS FOR PRODUCING ANTI-IL12/IL23 ANTIBODY COMPOSITIONS**
[54] **QUALIFICATION DE COLONNE DE CHROMATOGRAPHIE DANS DES PROCEDES DE FABRICATION POUR PRODUIRE DES COMPOSITIONS D'ANTICORPS ANTI-IL12/IL23**
[72] RANDOLPH, PAUL, US
[71] JANSSEN BIOTECH, INC., US
[85] 2020-10-16
[86] 2019-04-19 (PCT/US2019/028332)
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[30] US (62/660,340) 2018-04-20

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[25] EN
[54] **ENGINEERED BIOSYNTHETIC PATHWAYS FOR PRODUCTION OF HISTAMINE BY FERMENTATION**
[54] **VOIES DE BIOSYNTHESE MODIFIEES POUR LA PRODUCTION D'HISTAMINE PAR FERMENTATION**
[72] TRACEWELL, CARA ANN, US
[72] SHEARER, ALEXANDER GLENNON, US
[72] SIDDIQUI, MICHAEL SHAREEF, US
[72] EDGAR, STEVEN M., US
[72] HERMAN, NICOLAUS, US
[72] HUSSAIN, MURTAZA SHABBIR, US
[71] ZYMERGEN, INC., US
[85] 2020-10-16
[86] 2019-04-19 (PCT/US2019/028401)
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[30] US (62/660,875) 2018-04-20

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[54] **ACETYLATED PRODRUGS FOR DELIVERY ACROSS THE BLOOD-BRAIN BARRIER**
[54] **PROMEDICAMENTS ACETYLES POUR ADMINISTRATION A TRAVERS LA BARRIERE HEMATO-ENCEPHALIQUE**
[72] ELMALEH, DAVID R., US
[72] SHOUP, TIMOTHY M., US
[71] THE GENERAL HOSPITAL CORPORATION, US
[85] 2020-10-16
[86] 2019-04-22 (PCT/US2019/028515)
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[51] **Int.Cl. A61K 31/12 (2006.01) C07C 59/195 (2006.01) C12P 7/26 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR KETO STACKING WITH BETA-HYDROXYBUTYRATE AND ACETOACETATE**
[54] **COMPOSITIONS ET PROCEDES POUR L'EMPILEMENT CETO AVEC DU BETA-HYDROXYBUTYRATE ET DE L'ACETOACETATE**
[72] MILLET, GARY, US
[71] AXCESS GLOBAL SCIENCES, LLC, US
[85] 2020-10-16
[86] 2019-04-12 (PCT/US2019/027214)
[87] (WO2019/204148)
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[51] **Int.Cl. A61F 2/24 (2006.01)**
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[54] **MECHANICALLY EXPANDABLE HEART VALVE WITH LEAFLET CLAMPS**
[54] **VALVULE CARDIAQUE MECANIQUEMENT EXTENSIBLE A PINCES DE FEUILLET**
[72] NEUMANN, YAIR A., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-10-16
[86] 2019-04-23 (PCT/US2019/028641)
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[30] US (62/663,615) 2018-04-27
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[54] **DESIGNS FOR TYMPANOSTOMY CONDUITS OR SUBANNULAR VENTILATION CONDUITS AND OTHER MEDICAL AND FLUIDIC CONDUITS**
[54] **MODELES POUR CONDUITS DE TYMPANOSTOMIE OU CONDUITS DE VENTILATION SOUS-ANNULAIRES ET AUTRES CONDUITS MEDICAUX ET FLUIDIQUES**
[72] BLACK, NICOLE LEAH, US
[72] PAVLICHENKO, IDA, US
[72] KREDER, MICHAEL J., CA
[72] KOZIN, ELLIOTT D., US
[72] REMENSCHNEIDER, AARON KYLE, US
[72] AIZENBERG, JOANNA, US
[72] PATEL, HARITOSH, CA
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[71] MASSACHUSETTS EYE AND EAR INFIRMARY, US
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[86] 2019-03-20 (PCT/US2019/023276)
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[51] **Int.Cl. G16B 30/00 (2019.01) C12Q 1/6869 (2018.01)**
[25] EN
[54] **IMPROVING ACCURACY OF BASE CALLS IN NUCLEIC ACID SEQUENCING METHODS**
[54] **AMELIORATION DE LA PRECISION D'APPELS DE BASE DANS DES PROCEDES DE SEQUENCAGE D'ACIDE NUCLEIQUE**
[72] NEMIROSKI, ALEX, US
[72] STROMBERG, SEAN, US
[72] VIECELI, JOHN, US
[71] OMNIOME, INC., US
[85] 2020-10-16
[86] 2019-03-21 (PCT/US2019/023439)
[87] (WO2019/203986)
[30] US (62/659,897) 2018-04-19

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[51] **Int.Cl. B23K 9/12 (2006.01) B23K 9/133 (2006.01) B23K 9/10 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BUFFER SENSING IN A CONTROLLED SHORT CIRCUIT WELDING SYSTEM**
[54] **SYSTEMES ET PROCEDES DE DETECTION DE TAMPON DANS UN SYSTEME DE SOUDAGE A COURT-CIRCUIT COMMANDE**
[72] HUTCHISON, RICHARD MARTIN, US
[72] BATZLER, TODD GERALD, US
[71] ILLINOIS TOOL WORKS INC., US
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[86] 2019-03-29 (PCT/US2019/024943)
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[30] US (15/974,121) 2018-05-08

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[51] **Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61K 47/50 (2017.01) A61K 47/54 (2017.01) A61K 47/62 (2017.01) A61K 31/7105 (2006.01) A61K 31/7125 (2006.01) A61P 3/06 (2006.01) A61P 9/10 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **PCSK9 TARGETING OLIGONUCLEOTIDES FOR TREATING HYPERCHOLESTEROLEMIA AND RELATED CONDITIONS**
[54] **OLIGONUCLEOTIDES CIBLANT LA PCSK9 POUR LE TRAITEMENT DE L'HYPERCHOLESTEROLEMIE ET D'ETATS APPARENTES**
[72] DUDEK, HENRYK T., US
[72] PARK, JIHYE, US
[71] DICERNA PHARMACEUTICALS, INC., US
[85] 2020-10-16
[86] 2019-04-01 (PCT/US2019/025253)
[87] (WO2019/204021)
[30] US (62/659,693) 2018-04-18
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[51] **Int.Cl. H04Q 9/00 (2006.01) H04L 1/00 (2006.01) H04L 1/16 (2006.01) H04L 1/18 (2006.01)**
[25] EN
[54] **GAP DATA COLLECTION FOR LOW ENERGY DEVICES**
[54] **COLLECTE DE DONNEES MANQUANTES POUR DISPOSITIFS A FAIBLE ENERGIE**
[72] MITTAL, NARINDER, IN
[72] MORAN, URSULA, US
[72] SUTHRAM, SIVA, US
[71] LANDIS+GYR INNOVATIONS, INC., US
[85] 2020-10-16
[86] 2019-04-03 (PCT/US2019/025548)
[87] (WO2019/209478)
[30] US (15/959,598) 2018-04-23

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[25] EN
[54] **PARTICLE SETTLING DEVICES**
[54] **DISPOSITIFS DE SEDIMENTATION DE PARTICULES**
[72] KOMPALA, DHINAKAR S., US
[71] SUDHIN BIOPHARMA, US
[85] 2020-10-16
[86] 2019-04-04 (PCT/US2019/025884)
[87] (WO2019/204044)
[30] US (62/659,295) 2018-04-18

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[51] **Int.Cl. H04W 72/12 (2009.01) H04W 88/02 (2009.01) H04B 7/06 (2006.01)**
[25] EN
[54] **METHOD FOR DETERMINING RESOURCE LOCATION, TERMINAL APPARATUS, AND NETWORK APPARATUS**
[54] **PROCEDE DE DETERMINATION D'EMPLACEMENT DE RESSOURCE, APPAREIL TERMINAL ET APPAREIL DE RESEAU**
[72] SHI, ZHIHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-10-19
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[51] **Int.Cl. E21B 12/02 (2006.01) E21B 10/46 (2006.01) E21B 10/60 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING WEAR OF A DRILL BIT**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE L'USURE D'UN TREPAN**
[72] AZRAK FRUET, ILMAR, BR
[72] CARVALHO LEITE, MARCOS VINICIUS, BR
[72] MORAES VIEIRA, ANDRE, BR
[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR
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[51] **Int.Cl. B33Y 40/00 (2020.01) B29C 64/124 (2017.01) B29C 64/255 (2017.01) B29C 64/264 (2017.01) B29C 64/307 (2017.01)**
[25] EN
[54] **CARTRIDGE FOR A STEREOLITHOGRAPHIC MACHINE**
[54] **CARTOUCHE POUR UNE MACHINE STEREOLITHOGRAPHIQUE**
[72] COSTABEBER, ETTORE MAURIZIO, IT
[72] BUSATO, RENZO, IT
[71] DWS S.R.L., IT
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[54] **PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST CANCERS**
[54] **PEPTIDES DESTINES A ETRE UTILISES EN IMMUNOTHERAPIE CONTRE DES CANCERS**
[72] SONG, COLETTE, DE
[72] HOFFGAARD, FRANZISKA, DE
[72] KOWALEWSKI, DANIEL, DE
[72] SCHOOR, OLIVER, DE
[72] FRITSCHE, JENS, DE
[72] WEINSCHENK, TONI, DE
[72] SINGH, HARPREET, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
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[30] US (62/672,411) 2018-05-16

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[54] **METHOD AND APPARATUS FOR THE START-UP AND CONTROL OF PULSE COMBUSTORS USING SELECTIVE INJECTOR OPERATION**
[54] **PROCEDE ET APPAREIL POUR LE DEMARRAGE ET LA COMMANDE DE CHAMBRES DE COMBUSTION A IMPULSIONS AU MOYEN D'UN ACTIONNEMENT D'INJECTEUR SELECTIF**
[72] MAQBOOL, DAANISH, US
[72] RAVIN, NITAY, US
[72] MYERS, CARSON, US
[71] NORTH AMERICAN WAVE ENGINE CORPORATION, US
[85] 2020-10-16
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[30] US (62/658,989) 2018-04-17
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[54] **PD-1 TARGETED HETERODIMERIC FUSION PROTEINS CONTAINING IL-15/IL-15RA FC-FUSION PROTEINS AND PD-1 ANTIGEN BINDING DOMAINS AND USES THEREOF**
[54] **PROTEINES DE FUSION HETERODIMERES CIBLANT PD-1 CONTENANT DES PROTEINES DE FUSION FC D'IL-15/IL-15RA, DOMAINES DE LIAISON A L'ANTIGENE PD-1 ET UTILISATIONS ASSOCIEES**
[72] BERNETT, MATTHEW, US
[72] DESJARLAIS, JOHN, US
[72] RASHID, RUMANA, US
[72] VARMA, RAJAT, US
[72] BONZON, CHRISTINE, US
[71] XENCOR, INC., US
[85] 2020-10-16
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING SMALL MOLECULE EGFR INHIBITOR AND PREPARATION METHOD THEREFOR**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN INHIBITEUR D'EGFR A PETITES MOLECULES ET SON PROCEDE DE PREPARATION**
[72] CHEN, WEIQI, CN
[72] ZHAO, JUNJUN, CN
[72] WANG, XIAOLEI, CN
[72] YIN, BAOQING, CN
[72] CHEN, XIAO, CN
[71] JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., CN
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[25] EN
[54] **YOGHURT SNACK**
[54] **COLLATION A BASE DE YAOURT**
[72] DRAPER, REGINA MARIE, US
[72] POLZIN, KAYLA MARIE, US
[72] WILLIAMS, DAVID JAY, US
[71] DSM IP ASSETS B.V., NL
[85] 2020-10-19
[86] 2019-04-18 (PCT/EP2019/060068)
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[30] US (62/662,975) 2018-04-26
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[54] **POLLUTANT MITIGATING COATING COMPOSITIONS AND METHODS FOR THE MITIGATION OF POLLUTANTS**
[54] **COMPOSITIONS DE REVETEMENT ATTENUANT LES POLLUANTS ET PROCEDES D'ATTENUATION DES POLLUANTS**
[72] BARTHEL, JAMES M., US
[72] SCHWAAB, TREVOR C., US
[72] HERONEMA, ERIC, US
[72] ENOS, MICHAEL L., US
[71] ECOBOND LBP, LLC, US
[85] 2020-10-16
[86] 2019-04-19 (PCT/US2019/028365)
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[30] US (62/660,092) 2018-04-19

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[25] EN
[54] **BABY STROLLER WITH A FOLDING MECHANISM TRIGGERED BY A CHILD CARRIER**
[54] **POUSSETTE A MECANISME DE PLIAGE DECLENCHE PAR UN PORTE-BEBE**
[72] ZHONG, ZHI-REN, CN
[71] WONDERLAND SWITZERLAND AG, CH
[85] 2020-10-19
[86] 2019-04-18 (PCT/EP2019/060177)
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[25] EN
[54] **EXTENSION SPRING ASSEMBLY AND METHOD FOR MANUFACTURING THE SAME**
[54] **ENSEMBLE RESSORT DE TRACTION ET PROCEDE POUR SA FABRICATION**
[72] GALLANT, JOEL, CA
[72] LANG, BRADEN, CA
[72] PENNER, AL, CA
[71] S3 ENTERPRISES INC., CA
[85] 2020-10-19
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[25] EN
[54] **PUSHABLE AND RIDABLE INCLINABLE, MULTITRACK VEHICLE**
[54] **VEHICULE A PLUSIEURS VOIES ET INCLINABLE, DOTE DE CARACTERISTIQUES DE POUSSEE ET DE CONDUITE**
[72] TEN HAAFT, MICHAEL, DE
[72] TEN HAAFT, ANDREAS, DE
[71] TEN HAAFT, MICHAEL, DE
[71] TEN HAAFT, ANDREAS, DE
[85] 2020-10-19
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[51] **Int.Cl. C01G 23/047 (2006.01) C01G 23/053 (2006.01)**
[25] EN
[54] **AN AMORPHOUS TITANIUM DIOXIDE PRECURSOR MATERIAL. METHOD OF PRODUCING THEREOF AND METHOD OF CONTROLLING CRYSTALLINE PHASES THEREOF**
[54] **MATERIAU PRECURSEUR AMORPHE DE DIOXYDE DE TITANE, SON PROCEDE DE PRODUCTION ET SON PROCEDE DE CONTROLE DES PHASES CRISTALLINES**
[72] BENAVIDES GUERRERO, JAIME ALBERTO, CA
[72] CLOUTIER, SYLVAIN, CA
[72] GERLEIN REYES, LUIS FELIPE, CA
[72] TRUDEAU, CHARLES PHILIPPE, CA
[71] SOCOVAR SOCIETE EN COMMANDITE, CA
[85] 2020-10-19
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[25] EN
[54] **DEVICE AND METHOD FOR DETERMINING THE EXTENT OF DEFECTS BY MEANS OF V THROUGH-TRANSMISSION**
[54] **DISPOSITIF ET PROCEDE DE DETERMINATION DE L'EXTENSION D'ENDROITS DEFECTUEUX PAR SONDAGE ACOUSTIQUE V**
[72] THALE, WERNER, DE
[72] ESSELING, MICHAEL, DE
[71] ROSEN SWISS AG, CH
[85] 2020-10-19
[86] 2019-04-12 (PCT/EP2019/059543)
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[25] EN
[54] **ANALYSIS INSTRUMENT**
[54] **INSTRUMENT D'ANALYSE**
[72] LIND, ANDERS, SE
[72] SODERSTROM, HENRIK, SE
[72] SVANBERG, HENRIK, SE
[72] GRAWE, JAN, SE
[72] SKABORN, JOHAN, SE
[71] Q-LINEA AB, SE
[85] 2020-10-19
[86] 2019-04-23 (PCT/EP2019/060390)
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[25] EN
[54] **BOTTLE CAP ASSEMBLY**
[54] **ENSEMBLE BOUCHON DE BOUTEILLE**
[72] DESJARDINS, SERGE, CA
[71] ROY + LECLAIR EMBALLAGE INC., CA
[85] 2020-10-19
[86] 2019-04-18 (PCT/CA2019/050490)
[87] (WO2019/200486)
[30] US (62/660,344) 2018-04-20
[30] US (62/725,293) 2018-08-31

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[51] **Int.Cl. H04B 1/10 (2006.01) H04L 1/20 (2006.01)**
[25] EN
[54] **INTERFERENCE DETECTION AND SUPPRESSION IN NON-COORDINATED SYSTEMS**
[54] **DETECTION ET SUPPRESSION D'INTERFERENCES DANS DES SYSTEMES NON COORDONNES**
[72] KILIAN, GERD, DE
[72] BERNHARD, JOSEF, DE
[72] BIEG, KAROL, DE
[72] GAMM, EBERHARD, DE
[72] KORN, CLEMENS, DE
[72] KNEISSL, JAKOB, DE
[72] OBERNOSTERER, FRANK, DE
[72] MEYER, RAIMUND, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-10-19
[86] 2019-04-17 (PCT/EP2019/059939)
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[30] DE (10 2018 206 162.9) 2018-04-20

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[51] **Int.Cl. A61K 39/395 (2006.01) A61K 47/68 (2017.01) C07K 16/46 (2006.01)**
[25] EN
[54] **TRIVALENT TRISPECIFIC ANTIBODY CONSTRUCTS**
[54] **CONSTRUCTIONS D'ANTICORPS TRISPECIFIQUES TRIVALENTS**
[72] BAILEY, LUCAS, US
[72] GLASER, BRYAN, US
[72] LI, QUFEI, US
[72] GREEN, ROLAND, US
[72] PULUKKUNAT, DILEEP KUMAR, US
[72] NOCULA-LUGOWSKA, MALGORZATA AGNIESZKA, US
[72] GERHARDT, DANIEL JUSTIN, US
[71] INVENRA INC., US
[85] 2020-10-16
[86] 2019-04-17 (PCT/US2019/027816)
[87] (WO2019/204398)
[30] US (62/659,047) 2018-04-17

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[51] **Int.Cl. H04W 48/12 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR CONFIGURING SIDELINK RESOURCES**
[54] **PROCEDE D'ATTRIBUTION D'UNE RESSOURCE DE LIAISON LATERALE, DISPOSITIF, ET SYSTEME**
[72] YANG, JIN, CN
[72] XING, WEIMIN, CN
[72] LU, YOUXIONG, CN
[71] ZTE CORPORATION, CN
[85] 2020-10-19
[86] 2019-04-12 (PCT/CN2019/082415)
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[30] CN (201810354828.5) 2018-04-19

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[25] EN
[54] **COMPOSITIONS FOR THE TREATMENT OF SKIN CONDITIONS**
[54] **COMPOSITIONS POUR LE TRAITEMENT D'AFFECTIONS CUTANEES**
[72] WAGNER, PAUL, US
[71] FORTE SUBSIDIARY, INC., US
[85] 2020-10-16
[86] 2019-04-17 (PCT/US2019/027912)
[87] (WO2019/204475)
[30] US (62/659,566) 2018-04-18
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[51] **Int.Cl. F41G 1/38 (2006.01) G02B 23/10 (2006.01)**
[25] EN
[54] **VIEWING OPTIC WITH DIRECT ACTIVE RETICLE TARGETING**
[54] **OPTIQUE DE VISUALISATION A CIBLAGE RETICULAIRE ACTIF DIRECT**
[72] HAMILTON, SAMUEL J., US
[72] HAVENS, CALEN, US
[72] KLEMM, IAN, US
[72] HAMILTON, DAVID M., US
[72] LOWRY, WILL, US
[72] BOLLIG, GARRISON, US
[72] SCHULTZ, CRAIG, US
[72] CARLSON, ANDREW, US
[71] SHELTERED WINGS, INC. D/B/A VORTEX OPTICS, US
[85] 2020-10-16
[86] 2019-04-22 (PCT/US2019/028540)
[87] (WO2019/204811)
[30] US (62/660,688) 2018-04-20

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[51] **Int.Cl. C08B 37/16 (2006.01) A61K 47/40 (2006.01) C08L 3/02 (2006.01)**
[25] EN
[54] **CROSS-LINKED STARCH-BASED POLYMERS FOR DRUG-DELIVERY**
[54] **POLYMERES RETICULES A BASE D'AMIDON POUR ADMINISTRATION DE MEDICAMENT**
[72] TROTTA, FRANCESCO, IT
[72] CALDERA, FABRIZIO, IT
[71] ROQUETTE FRERES, FR
[85] 2020-10-19
[86] 2019-04-19 (PCT/EP2019/060231)
[87] (WO2019/202148)
[30] EP (18290034.0) 2018-04-20

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[25] EN
[54] **DEVICE PRESENTATION WITH REAL-TIME FEEDBACK**
[54] **PRESENTATION DE DISPOSITIF A RETROACTION EN TEMPS REEL**
[72] CHRISTMAS, COY, US
[72] MALPASS, LUKE, GB
[71] FASETTO, INC., US
[85] 2020-10-16
[86] 2019-04-17 (PCT/US2019/027993)
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[30] US (62/659,022) 2018-04-17

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[51] **Int.Cl. D02G 3/40 (2006.01)**
[25] EN
[54] **COMPOSITE YARN, MANUFACTURING PROCESS AND TEXTILE SURFACE COMPRISING SUCH A YARN**
[54] **FIL COMPOSITE, PROCESSUS DE FABRICATION ET SURFACE TEXTILE COMPRENANT UN TEL FIL**
[72] DAMOUR, FRANCOIS-XAVIER, FR
[71] MERMET, FR
[85] 2020-10-19
[86] 2019-04-19 (PCT/EP2019/060238)
[87] (WO2019/202151)
[30] FR (1853527) 2018-04-20
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[51] **Int.Cl. H04L 1/00 (2006.01) H04B 1/00 (2006.01) H04B 1/713 (2011.01) H04J 1/00 (2006.01)**
[25] EN
[54] **PACKET DETECTOR/DECODER FOR A RADIO TRANSMISSION SYSTEM**
[54] **DETECTEUR-DECODEUR DE PAQUETS POUR UN SYSTEME DE TRANSMISSION RADIO**
[72] KILIAN, GERD, DE
[72] KNEISSL, JAKOB, DE
[72] GAMM, EBERHARD, DE
[72] BERNHARD, JOSEF, DE
[72] KOCH, ROBERT, DE
[72] KOHLMANN, MARTIN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[86] 2019-04-17 (PCT/EP2019/059941)
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[25] EN
[54] **METHOD AND SYSTEM FOR PROVIDING PATIENT DATA TO A PATIENT DATA SERVER FOLLOWING AN OFFLINE NETWORK CONDITION**
[54] **PROCEDE ET SYSTEME POUR FOURNIR DES DONNEES DE PATIENT A UN SERVEUR DE DONNEES DE PATIENT SUITE A UNE CONDITION DE RESEAU DECONNECTE**
[72] BANDURSKI, HUBERT, CA
[72] MURAVYOV, IGOR, US
[72] COHEN, LEWIS, US
[71] T6 HEALTH SYSTEMS LLC, US
[85] 2020-10-16
[86] 2019-04-17 (PCT/US2019/027995)
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[25] EN
[54] **ELECTROCHEMICAL ENERGY STORE**
[54] **ACCUMULATEUR D'ENERGIE ELECTROCHIMIQUE**
[72] HEIDEBRECHT, PETER, DE
[72] JABCZYNSKI, WOLFGANG, DE
[72] STEIGNER, PETER, DE
[72] MERKEL, DIRK, DE
[72] BAYER, DOMNIK, DE
[72] ZERPA UNDA, JESUS ENRIQUE, DE
[71] BASF SE, DE
[85] 2020-10-19
[86] 2019-04-23 (PCT/EP2019/060294)
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[51] **Int.Cl. F17D 3/03 (2006.01) F17D 3/05 (2006.01)**
[25] EN
[54] **PIPELINE PRODUCT BATCH CHANGE INDICATION METHOD AND SYSTEM**
[54] **PROCEDE ET SYSTEME D'INDICATION DE CHANGEMENT DE LOT DE PRODUIT DE PIPELINE**
[72] LASCHINGER, MICHAEL, US
[72] O'DONNELL, MICHAEL, US
[72] SPINA, ERIC, US
[71] GHD SERVICES, INC., CA
[85] 2020-10-19
[86] 2019-04-22 (PCT/IB2019/000608)
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 38/21 (2006.01) A61K 47/10 (2017.01) A61K 47/32 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **MICRONEEDLE SYSTEM FOR THE DELIVERY INTERFERON**
[54] **SYSTEME DE MICROAIGUILLE POUR L'APPLICATION D'INTERFERON**
[72] HENKE, STEFAN, DE
[72] HENNING, ANDREAS, DE
[72] PRACHT, ROLF, DE
[72] BRODKORB, DANNY, DE
[72] SCHERR, SEBASTIAN, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-10-19
[86] 2019-04-23 (PCT/EP2019/060396)
[87] (WO2019/202170)
[30] DE (10 2018 109 460.4) 2018-04-19
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[51] **Int.Cl. E21B 25/00 (2006.01) B23D 49/00 (2006.01) B28D 1/00 (2006.01) E21B 49/04 (2006.01) E21B 49/06 (2006.01)**
[25] EN
[54] **METHOD FOR EXTRACTING A CORE FROM A PERCUSSION SIDE WALL CORE BULLET FOR A DIGITAL TOMOGRAPHIC DESCRIPTION AND DIRECT NUMERICAL SIMULATIONS**
[54] **PROCEDE D'EXTRACTION D'UN NOYAU D'UNE BALLE DE NOYAU DE PAROI LATERALE DE PERCUSSION POUR UNE DESCRIPTION TOMOGRAPHIQUE NUMERIQUE ET DES SIMULATIONS NUMERIQUES DIRECTES**
[72] LAKSHTANOV, DMITRY, GB
[71] BP EXPLORATION OPERATING COMPANY LIMITED, GB
[85] 2020-10-19
[86] 2019-05-01 (PCT/EP2019/061170)
[87] (WO2019/211344)
[30] GB (1807260.3) 2018-05-02

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[51] **Int.Cl. B24C 1/00 (2006.01) B24C 5/04 (2006.01)**
[25] FR
[54] **DEVICE AND METHOD FOR THE SURFACE TREATMENT OF A MATERIAL**
[54] **DISPOSITIF ET PROCEDE POUR LE TRAITEMENT SUPERFICIEL D'UN MATERIAU**
[72] TAZIBT, ABOU-EL-FOUTOUH, FR
[72] ASCANI NEE NIVELET, JENNIFER, FR
[71] CRITT TECHNIQUES JET FLUIDE ET USINAGE, FR
[85] 2020-10-19
[86] 2019-05-03 (PCT/EP2019/061437)
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[25] EN
[54] **TLR3 LIGANDS THAT ACTIVATE BOTH EPITHELIAL AND MYELOID CELLS**
[54] **LIGANDS DE TLR3 QUI ACTIVENT A LA FOIS DES CELLULES EPITHELIALES ET MYELOIDES**
[72] BONNIN, MARC, FR
[72] THIERRY, SYLVAIN, FR
[71] TOLLYS, FR
[85] 2020-10-19
[86] 2019-05-06 (PCT/EP2019/061591)
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[51] **Int.Cl. C12N 15/82 (2006.01) C07K 14/195 (2006.01) C07K 14/325 (2006.01)**
[25] EN
[54] **PESTICIDAL PROTEINS AND METHODS OF USE**
[54] **PROTEINES PESTICIDES ET PROCEDES D'UTILISATION**
[72] PARKS, JESSICA, US
[72] ROBERTS, KIRA BULAZEL, US
[72] THAYER, REBECCA E., US
[71] AGBIOME, INC., US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028090)
[87] (WO2019/204584)
[30] US (62/660,502) 2018-04-20
[30] US (62/774,515) 2018-12-03

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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/4706 (2006.01) A61K 31/4709 (2006.01) A61K 31/4725 (2006.01) A61K 31/473 (2006.01) A61K 31/517 (2006.01) A61P 35/00 (2006.01) C07D 403/12 (2006.01)**
[25] FR
[54] **COMPOUNDS HAVING A TUBULIN-POLYMERISATION-INHIBITING ACTIVITY AND IMMUNOMODULATORY PROPERTIES**
[54] **COMPOSES A ACTIVITE INHIBITRICE DE LA POLYMERISATION DE LA TUBULINE ET AUX PROPRIETES IMMUNOMODULATRICES**
[72] ALAMI, MOUAD, FR
[72] PROVOT, OLIVIER, FR
[72] HAMZE, ABDALLAH, FR
[72] KHELIFI, ILHEM, FR
[72] NARET, TIMOTHEE, FR
[72] APCHER, SEBASTIEN, FR
[72] DARRIGRAND, ROMAIN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] UNIVERSITE PARIS-SACLAY, FR
[71] INSTITUT GUSTAVE-ROUSSY, FR
[71] INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM), FR
[85] 2020-10-19
[86] 2019-04-26 (PCT/FR2019/050982)
[87] (WO2019/207257)
[30] FR (1853709) 2018-04-27

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[51] **Int.Cl. C05C 9/00 (2006.01) C05D 5/00 (2006.01) C05D 9/02 (2006.01) C05G 1/00 (2006.01)**
[25] EN
[54] **IMPROVED UREA AMMONIUM SULPHATE-BASED COMPOSITION AND METHOD FOR THE MANUFACTURE THEREOF**
[54] **COMPOSITION A BASE DE SULFATE D'AMMONIUM ET D'UREE ET SON PROCEDE DE FABRICATION**
[72] VAN BELZEN, RUUD, NL
[72] COLPAERT, FILIP, BE
[71] YARA INTERNATIONAL ASA, NO
[85] 2020-10-19
[86] 2019-05-07 (PCT/EP2019/061641)
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[30] EP (18171045.0) 2018-05-07

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[25] EN
[54] **IL-15/IL-15RA HETERODIMERIC FC FUSION PROTEINS AND USES THEREOF**
[54] **PROTEINES DE FUSION FC HETERODIMERES IL-15/IL-15RA ET LEURS UTILISATIONS**
[72] BERNETT, MATTHEW, US
[72] DESJARLAIS, JOHN, US
[72] RASHID, RUMANA, US
[72] VARMA, RAJAT, US
[72] BONZON, CHRISTINE, US
[71] XENCOR, INC., US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028107)
[87] (WO2019/204592)
[30] US (62/659,563) 2018-04-18
[30] US (62/684,143) 2018-06-12
[30] US (62/724,396) 2018-08-29
[30] US (62/756,800) 2018-11-07

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[51] **Int.Cl. G06T 19/20 (2011.01)**
[25] FR
[54] **METHOD FOR PRODUCING A DIGITAL REPRESENTATION FOR PRODUCING AN APPLIANCE FOR A LIVING BODY AND CORRESPONDING DEVICE**
[54] **PROCEDE POUR PRODUIRE UNE REPRESENTATION NUMERIQUE POUR FABRIQUER UN APPAREIL POUR UN CORPS VIVANT ET DISPOSITIF CORRESPONDANT**
[72] COLOBERT, BRIAC, FR
[72] GESBERT, JEAN-CHARLES, FR
[72] CARRE, VINCENT, FR
[71] PROTEOR, FR
[85] 2020-10-19
[86] 2019-06-03 (PCT/FR2019/051298)
[87] (WO2019/234335)
[30] FR (1854857) 2018-06-05

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[51] **Int.Cl. C07D 473/04 (2006.01)**
[25] EN
[54] **INTERMEDIATES AND PROCESSES FOR THE PREPARATION OF LINAGLIPTIN AND ITS SALTS**
[54] **INTERMEDIAIRES ET PROCEDES POUR LA PREPARATION DE LINAGLIPTINE ET DE SES SELS**
[72] CIANCIMINO, CRISTINA, IT
[72] TRAGNI, MICHELE, IT
[72] VIGO, DANIELE, IT
[72] PICCOLO, ORESTE, IT
[71] CAMBREX PROFARMACO MILANO S.R.L., IT
[85] 2020-10-19
[86] 2019-05-13 (PCT/EP2019/062229)
[87] (WO2019/219620)
[30] IT (102018000005383) 2018-05-15

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[25] EN
[54] **COMPOSITIONS AND METHODS OF USE THEREOF TO PROMOTE MUSCLE GROWTH AND FUNCTION**
[54] **COMPOSITIONS ET PROCEDES D'UTILISATION CORRESPONDANTS DESTINES A FAVORISER LA CROISSANCE ET LA FONCTION MUSCULAIRES**
[72] PURPURA, MARTIN, US
[72] JAEGER, RALF, US
[72] WELLS, SHAWN, US
[72] LIAO, KYLIN, US
[72] FLIRI, ANTON, US
[71] WORLDS GREATEST INGREDIENTS, LP, US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028164)
[87] (WO2019/204633)
[30] US (62/659,474) 2018-04-18

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[13] A1
[51] **Int.Cl. A61F 2/958 (2013.01) A61M 25/10 (2013.01)**
[25] EN
[54] **BALLOON CATHETERS, SYSTEMS AND METHODS**
[54] **CATHETERS A BALLONNET, SYSTEMES ET PROCEDES**
[72] BOHN, JANE K., US
[72] BRUCHMAN, RICHARD M., US
[72] HYZIN, CHRISTOPHER, US
[72] RITTGERS, MARK A., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-10-16
[86] 2019-04-23 (PCT/US2019/028738)
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[30] US (62/661,942) 2018-04-24

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[51] **Int.Cl. H04L 12/24 (2006.01) G06F 9/455 (2018.01) G06F 15/16 (2006.01) H04L 7/00 (2006.01)**
[25] EN
[54] **HYBRID CLOUD COMPUTING NETWORK MANAGEMENT**
[54] **GESTION DE RESEAU INFORMATIQUE EN NUAGE HYBRIDE**
[72] MARTINI, PAUL MICHAEL, US
[71] IBOSS, INC., US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028173)
[87] (WO2019/204642)
[30] US (62/659,644) 2018-04-18

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[13] A1
[51] **Int.Cl. C10B 53/07 (2006.01) B29B 17/04 (2006.01) C09C 1/48 (2006.01)**
[25] EN
[54] **METHOD OF OBTAINING CARBON-CONTAINING MATERIAL FROM RECYCLABLE TIRES AND/OR RUBBER PRODUCTS**
[54] **PROCEDE DE PRODUCTION DE MATIERE CARBONEE A PARTIR DE PNEUS ET/OU ARTICLES EN CAOUTCHOUC RECYCLES**
[72] TEPLITSKY, ALEXANDER, IL
[72] DZYURA, EVGENIY ANTONOVICH, UA
[71] TEPLITSKY, ALEXANDER, IL
[85] 2020-10-19
[86] 2019-03-05 (PCT/IB2019/000374)
[87] (WO2019/202387)
[30] UA (a 2018 04242) 2018-04-18

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[51] **Int.Cl. C04B 26/04 (2006.01) B32B 13/14 (2006.01) C04B 26/06 (2006.01) C04B 41/48 (2006.01) E04C 2/04 (2006.01)**
[25] EN
[54] **FLY ASH-FREE COATING FORMULATION FOR FIBROUS MAT TILE BACKERBOARD**
[54] **FORMULATION DE REVETEMENT SANS CENDRES VOLANTES POUR PLANCHE D'APPUI DE CARREAUX DE MAT FIBREUX**
[72] PENG, YANFEI, US
[72] BURY, RAFAEL, US
[72] DONELAN, JEFFREY W., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2020-10-16
[86] 2019-04-24 (PCT/US2019/028828)
[87] (WO2019/209898)
[30] US (62/663,649) 2018-04-27
[30] US (16/371,722) 2019-04-01

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[51] **Int.Cl. H04B 1/713 (2011.01) H04J 13/10 (2011.01)**
[25] EN
[54] **PACKET CORRELATOR FOR A RADIO TRANSMISSION SYSTEM**
[54] **CORRELATEUR DE PAQUET POUR SYSTEME DE TRANSMISSION RADIO**
[72] GAMM, EBERHARD, DE
[72] KILIAN, GERD, DE
[72] KNEISSL, JAKOB, DE
[72] BERNHARD, JOSEF, DE
[72] SIEBENHAAR, MARKUS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-10-19
[86] 2019-04-17 (PCT/EP2019/059994)
[87] (WO2019/202031)
[30] DE (10 2018 206 137.8) 2018-04-20

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[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/18 (2006.01) B32B 5/24 (2006.01) B32B 7/12 (2006.01)**
[25] EN
[54] **A BACKING LAYER FOR INSULATING CONSTRUCTION PANELS INCLUDING ENVIRONMENTALLY SUSTAINABLE MATERIALS AND A METHOD FOR MANUFACTURING THE BACKING LAYER**
[54] **COUCHE DE SOUTIEN POUR PANNEAUX DE CONSTRUCTION ISOLANTS COMPRENANT DES MATERIAUX ECOLOGIQUES ET PROCEDE DE FABRICATION DE LA COUCHE DE SOUTIEN**
[72] FAOTTO, GIOVANNI, IT
[72] FAOTTO, UGO, IT
[71] ELEMENTS S.R.L., IT
[85] 2020-10-19
[86] 2019-04-19 (PCT/IB2019/053268)
[87] (WO2019/207446)
[30] IT (102018000004786) 2018-04-23

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[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/415 (2006.01) A61K 31/4409 (2006.01) A61K 31/4433 (2006.01) A61K 31/4439 (2006.01) A61K 31/4545 (2006.01) A61K 31/4725 (2006.01) A61K 31/553 (2006.01) C07C 233/65 (2006.01) C07D 213/56 (2006.01) C07D 213/81 (2006.01) C07D 231/12 (2006.01) C07D 401/04 (2006.01) C07D 405/12 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **AMIDE COMPOUNDS AS KINASE INHIBITORS, COMPOSITIONS AND METHODS OF TREATMENT**
[54] **COMPOSES AMIDE EN TANT QU'INHIBITEURS DE LA KINASE, COMPOSITIONS ET METHODES DE TRAITEMENT**
[72] WANG, TONG, US
[72] GATELY, STEPHEN, US
[71] TRANSLATIONAL DRUG DEVELOPMENT, LLC, US
[85] 2020-10-16
[86] 2019-04-24 (PCT/US2019/029003)
[87] (WO2019/210008)
[30] US (62/662,105) 2018-04-24
[30] US (62/788,461) 2019-01-04

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[13] A1
[51] **Int.Cl. H04L 25/02 (2006.01)**
[25] EN
[54] **DECODER-ASSISTED ITERATIVE CHANNEL ESTIMATION**
[54] **ESTIMATION ITERATIVE DU CANAL ASSISTEE PAR DECODEUR**
[72] KILIAN, GERD, DE
[72] KNEISSL, JAKOB, DE
[72] OBERNOSTERER, FRANK, DE
[72] MEYER, RAIMUND, DE
[72] GAMM, EBERHARD, DE
[72] ROBERT, JORG, DE
[72] WECHSLER, JOHANNES, DE
[72] BERNHARD, JOSEF, DE
[72] SCHLICHT, MICHAEL, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[71] FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG, DE
[85] 2020-10-19
[86] 2019-04-17 (PCT/EP2019/060006)
[87] (WO2019/202039)
[30] DE (10 2018 206 132.7) 2018-04-20

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[51] **Int.Cl. G06Q 10/00 (2012.01) A47K 5/06 (2006.01) A47K 10/32 (2006.01) B65D 83/00 (2006.01) G06F 9/48 (2006.01) G06F 9/50 (2006.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **DISTRIBUTED DISPENSER NETWORK**
[54] **RESEAU DISTRIBUTEUR REPARTI**
[72] MAHAFFEY, CLEARY E., US
[72] BECKER, STEPHEN, US
[71] KIMBERLY-CLARK WORLDWIDE, INC., US
[85] 2020-10-16
[86] 2019-04-25 (PCT/US2019/029117)
[87] (WO2019/212855)
[30] US (62/664,731) 2018-04-30

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[13] A1
[51] **Int.Cl. C08K 5/00 (2006.01) C08K 3/016 (2018.01) C08K 3/22 (2006.01) C08K 5/03 (2006.01) C08K 5/3492 (2006.01) H01B 3/44 (2006.01)**
[25] EN
[54] **POLYMERIC COMPOSITION CONTAINING A LIGHT STABILIZER**
[54] **COMPOSITION POLYMERE CONTENANT UN PHOTOSTABILISANT**
[72] CHAUDHARY, BHARAT I., US
[72] YU, XINDI, US
[72] ZHANG, YICHI, US
[72] DREUX, PETER C., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-10-16
[86] 2019-04-26 (PCT/US2019/029343)
[87] (WO2019/210163)
[30] US (62/663,499) 2018-04-27

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 38/17 (2006.01) A61K 38/20 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01)**
[25] EN
[54] **LAG-3 TARGETED HETERODIMERIC FUSION PROTEINS CONTAINING IL-15/IL-15RA FC-FUSION PROTEINS AND LAG-3 ANTIGEN BINDING DOMAINS**
[54] **PROTEINES DE FUSION HETERODIMERES CIBLANT LAG-3 CONTENANT DES PROTEINES DE FUSION FC D'IL-15/IL-15RA ET DOMAINES DE LIAISON A L'ANTIGENE DE LAG-3**
[72] BERNETT, MATTHEW, US
[72] DESJARLAIS, JOHN, US
[72] RASHID, RUMANA, US
[72] VARMA, RAJAT, US
[72] BONZON, CHRISTINE, US
[71] XENCOR, INC., US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028180)
[87] (WO2019/204646)
[30] US (62/659,624) 2018-04-18
[30] US (62/783,107) 2018-12-20

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[51] **Int.Cl. B29D 11/00 (2006.01) B29C 51/00 (2006.01) B29C 51/10 (2006.01) B29C 51/14 (2006.01) B29C 51/28 (2006.01)**
[25] EN
[54] **FILM STRUCTURE, MACHINE, OPTICAL DEVICE AND METHOD FOR FORMING A FUNCTIONAL FILM INTENDED TO BE LAMINATED ON AN OPTICAL ARTICLE**
[54] **STRUCTURE DE FILM, MACHINE, DISPOSITIF OPTIQUE ET PROCEDE DE FORMATION D'UN FILM FONCTIONNEL DESTINE A ETRE STRATIFIE SUR UN ARTICLE OPTIQUE**
[72] KATZMAN, YOUVAL, IL
[72] PETER, MARC, CH
[72] MARCK, CHRISTELLE, FR
[72] MARCHAL, JEANNE, FR
[71] ESSILOR INTERNATIONAL, FR
[71] SHAMIR OPTICAL INDUSTRY LTD, IL
[85] 2020-10-19
[86] 2019-06-28 (PCT/EP2019/067334)
[87] (WO2020/002606)
[30] EP (18305830.4) 2018-06-28

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[13] A1
[51] **Int.Cl. A61K 47/54 (2017.01) C12N 15/113 (2010.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07K 14/705 (2006.01)**
[25] EN
[54] **INTEGRIN TARGETING LIGANDS AND USES THEREOF**
[54] **LIGANDS CIBLANT UNE INTEGRINE ET LEURS UTILISATIONS**
[72] LI, ZHEN, US
[72] CARLSON, JEFFREY, US
[72] NICHOLAS, ANTHONY, US
[72] LI, XIAOKAI, US
[72] SHU, DONGXU, US
[72] FOWLER-WATTERS, MATTHEW, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2020-10-16
[86] 2019-04-26 (PCT/US2019/029393)
[87] (WO2019/210200)
[30] US (62/663,763) 2018-04-27
[30] US (62/790,372) 2019-01-09

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[51] **Int.Cl. C08F 271/00 (2006.01) D21H 17/37 (2006.01) D21H 17/45 (2006.01)**
[25] EN
[54] **COMPLEX OF POLYMERS, PREPARATION AND USE**
[54] **COMPLEXE DE POLYMERES, PREPARATION ET UTILISATION**
[72] FAUCHER, GATIEN, FR
[72] FOUGEROUSE, DAMIEN, FR
[72] HUND, RENE, FR
[71] S.P.C.M. SA, FR
[85] 2020-10-19
[86] 2019-05-07 (PCT/FR2019/051039)
[87] (WO2019/215413)
[30] FR (1853919) 2018-05-07

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[13] A1
[51] **Int.Cl. A61K 49/00 (2006.01)**
[25] EN
[54] **INTRANASAL DELIVERY OF FLUORESCENT MARKER**
[54] **ADMINISTRATION INTRANASALE D'UN MARQUEUR FLUORESCENT**
[72] DAVIS, BENJAMIN MICHAEL, GB
[72] CORDEIRO, MARIA FRANCESCA, GB
[72] GUO, LI, GB
[71] UCL BUSINESS LTD, GB
[85] 2020-10-19
[86] 2019-04-23 (PCT/GB2019/051119)
[87] (WO2019/207287)
[30] GB (1806581.3) 2018-04-23

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[13] A1
[51] **Int.Cl. F42D 1/28 (2006.01)**
[25] EN
[54] **BREACHING DEVICE WITH TAMPING GEL**
[54] **DISPOSITIF D'OUVERTURE DE BRECHE AVEC GEL DE BOURRAGE**
[72] SANSOUR, YOUSEF, US
[71] ESOTERIC, LLC., US
[85] 2020-10-16
[86] 2019-04-29 (PCT/US2019/029634)
[87] (WO2019/210299)

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[13] A1
[51] **Int.Cl. A61B 5/02 (2006.01) A61B 5/00 (2006.01) A61B 5/021 (2006.01) A61B 5/024 (2006.01)**
[25] EN
[54] **METHODS TO ESTIMATE THE BLOOD PRESSURE AND THE ARTERIAL STIFFNESS BASED ON PHOTOPLETHYSMOGRAPHIC (PPG) SIGNALS**
[54] **PROCEDES D'ESTIMATION DE LA PRESSION ARTERIELLE ET DE LA RIGIDITE ARTERIELLE SUR LA BASE DE SIGNAUX PHOTOPLETHYSMOGRAPHIQUES (PPG)**
[72] LIZIO, ROSARIO, DE
[72] OCKERMANN, PHILIPP, DE
[72] MOSCATO, SERENA, IT
[72] LIEBANA VINAS, SARA, DE
[72] CHIARI, LORENZO, IT
[72] HUTH, MICHAEL, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-10-19
[86] 2019-04-18 (PCT/EP2019/060146)
[87] (WO2019/206818)
[30] EP (18168758.3) 2018-04-23

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[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/05 (2006.01) A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61P 25/00 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **CANNABIDIOL PREPARATIONS AND ITS USES**
[54] **PREPARATIONS DE CANNABIDIOL ET LEURS UTILISATIONS**
[72] GUY, GEOFFREY, GB
[72] KNAPPERTZ, VOLKER, GB
[72] WHALLEY, BENJAMIN, GB
[72] WOOLLEY-ROBERTS, MARIE, GB
[72] BRODIE, JAMES, GB
[72] LACH-FALCONE, KATARZYNA, GB
[72] SUTTON, ALAN, GB
[72] GRAY, ROYSTON, GB
[72] RANA, ROHINI RAJYALAXMI, GB
[71] GW RESEARCH LIMITED, GB
[85] 2020-10-19
[86] 2019-04-26 (PCT/GB2019/051173)
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[30] GB (1806953.4) 2018-04-27

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[13] A1
[51] **Int.Cl. A61B 10/02 (2006.01) A61B 90/11 (2016.01) A61B 90/17 (2016.01) A61B 17/34 (2006.01)**
[25] EN
[54] **DEVICES FOR GUIDING TISSUE TREATMENT AND/OR TISSUE REMOVAL PROCEDURES**
[54] **DISPOSITIFS POUR GUIDER DES PROCEDURES DE TRAITEMENT ET/OU D'ABLATION DE TISSU**
[72] KRISHNASWAMY, VENKATARAMANAN, US
[72] RIOUX, ROBERT F., US
[72] DANIELSEN, DAVID, US
[72] BOURNE, GEORGE, US
[71] CAIRNSURGICAL, INC., US
[85] 2020-10-16
[86] 2019-04-29 (PCT/US2019/029708)
[87] (WO2019/221899)
[30] US (62/671,609) 2018-05-15

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[13] A1
[51] **Int.Cl. A47G 21/00 (2006.01) A61J 7/00 (2006.01)**
[25] EN
[54] **DISPENSING AND MIXING DEVICE**
[54] **DISPOSITIF DE DISTRIBUTION ET DE MELANGE**
[72] ARGENTI, MAURO, IT
[72] BARNABA, GIANLUCA, IT
[71] BAION, RENATA, IT
[71] BERTI, BARBARA, IT
[71] ARGENTI, MAURO, IT
[71] AMADIO, VITTORIO, IT
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[54] **CENTRIFUGAL CLUTCH**
[54] **EMBRAYAGE CENTRIFUGE**
[72] AONO, KAORU, JP
[72] YOKOMICHI, YUTA, JP
[72] KINE, YUTA, JP
[72] KATAOKA, MAKOTO, JP
[71] KABUSHIKI KAISHA F.C.C., JP
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[54] **METHOD FOR PROVIDING A PADDING**
[54] **PROCEDE DE FOURNITURE D'UN REMBOURRAGE**
[72] COCCIA, STEFANO, IT
[72] GARGANO, FRANCESCO, HR
[71] CYTECH S.R.L., IT
[85] 2020-10-19
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[54] **METHOD FOR THE PREPARATION OF PIMAVANSERIN BASE**
[54] **PROCEDE DE PREPARATION D'UNE BASE DE PIMAVANSERINE**
[72] NOVO, BARBARA, IT
[72] BONANOMI, JACOPO, IT
[72] BERTOLOTTI, MATTIA, IT
[71] OLON S.P.A., IT
[85] 2020-10-19
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[54] **COOKING PROCESS**
[54] **PROCEDE DE CUISSON**
[72] RANA, GIAN LUCA, IT
[71] PASTIFICIO RANA S.P.A., IT
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[54] **METHOD FOR MODIFYING INSTALLED WELLBORE FLOW CONTROL DEVICES**
[54] **PROCEDE DE MODIFICATION DE DISPOSITIFS INSTALLES DE REGULATION D'ECOULEMENT DE PUITS DE FORAGE**
[72] HANSEN, HENNING, NO
[72] GUDMESTAD, TARALD, NO
[71] AARBAKKE INNOVATION, AS, NO
[85] 2020-10-19
[86] 2019-05-18 (PCT/IB2019/054115)
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[30] US (62/676,303) 2018-05-25

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[54] **SUTURING CLIP**
[54] **CLIP DE SUTURE**
[72] KEREN, DVIR, IL
[72] SCHWARZ, BOAZ, IL
[72] MARKOVITZ, SHIMRIT, IL
[71] ENDOMATIC LTD., IL
[85] 2020-10-19
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[30] US (62/662,266) 2018-04-25

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[25] EN
[54] **ANTIBODIES SPECIFIC TO HUMAN NECTIN4**
[54] **ANTICORPS SPECIFIQUES DE LA NECTINE-4 HUMAINE**
[72] MANDELBOIM, OFER, IL
[72] RECHES, ADI, IL
[72] JONJIC, STIPAN, HR
[72] TSUKERMAN, PINCHAS, IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD., IL
[71] NECTIN THERAPEUTICS LTD., IL
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[54] **USER EQUIPMENT**
[54] **DISPOSITIF UTILISATEUR**
[72] UCHINO, TOORU, JP
[72] TAKAHASHI, HIDEAKI, JP
[71] NTT DOCOMO, INC., JP
[85] 2020-10-19
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[54] **FUEL CELL CATALYST, MEMBRANE ELECTRODE ASSEMBLY FOR FUEL CELL, AND FUEL CELL PROVIDED THEREWITH**
[54] **CATALYSEUR DE PILE A COMBUSTIBLE, ENSEMBLE MEMBRANE-ELECTRODE POUR PILE A COMBUSTIBLE ET PILE A COMBUSTIBLE EQUIPEE DE CELUI-CI**
[72] KON, SOJIRO, JP
[72] MINE, NATSUKI, JP
[72] SATO, YOSHINORI, JP
[72] YAMAMOTO, MASASHI, JP
[72] NISHIDA, TETSUO, JP
[71] STELLA CHEMIFA CORPORATION, JP
[85] 2020-10-19
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[54] **VOICE ANALYSIS SYSTEM**
[54] **SYSTEME D'ANALYSE DE LA VOIX**
[72] SEKINE, KIYOSHI, JP
[71] INTERACTIVE SOLUTIONS CORP., JP
[85] 2020-10-19
[86] 2020-01-06 (PCT/JP2020/000074)
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[25] EN
[54] **2-AMINO-2-(1,2,3-TRIAZOLE-4-YL)PROPANE-1,3-DIOL DERIVATIVE OF NOVEL COMPOUND FOR DIRECTLY INHIBITING ASM ACTIVITY, AND USE THEREOF**
[54] **DERIVE DE 2-AMINO-2-(1,2,3-TRIAZOLE-4-YL)PROPANE-1,3-DIOL D'UN NOUVEAU COMPOSE POUR L'INHIBITION DIRECTE DE L'ACTIVITE ASM, ET UTILISATION ASSOCIEE**
[72] BAE, JAE-SUNG, KR
[72] JIN, HEE KYUNG, KR
[72] PARK, MIN HEE, KR
[71] KYUNGPOOK NATIONAL UNIVERSITY INDUSTRY-ACADEMIC COOPERATION FOUNDATION, KR
[85] 2020-10-19
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[25] EN
[54] **AUTOMATIC LOCKING/UNLOCKING SYSTEM FOR TRACTION SYSTEMS ACTUATED BY PEDAL LEVERS**
[54] **SYSTEME DE BLOCAGE/DEBLOCAGE AUTOMATISE POUR SYSTEMES DE TRACTION ACTIONNES PAR DES LEVIERS DE PEDALAGE**
[72] SOTO VELASCO, SERVANDO, MX
[71] SOTO VELASCO, SERVANDO, MX
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[54] **SYSTEM FOR DISPLAYING ELECTRONIC MAIL METADATA AND RELATED METHODS**
[54] **SYSTEME D'AFFICHAGE DE METADONNEES DE MESSAGE ELECTRONIQUE ET PROCEDES ASSOCIES**
[72] WISGO, JEFFREY DAVID, US
[71] CITRIX SYSTEMS, INC., US
[85] 2020-10-16
[86] 2019-04-22 (PCT/US2019/028475)
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[54] **DYNAMICALLY DISTRIBUTING PROCESSING AMONG NODES IN A WIRELESS MESH NETWORK**
[54] **TRAITEMENT DE DISTRIBUTION DYNAMIQUE ENTRE DES N□UDS D'UN RESEAU MAILLE SANS FIL**
[72] TORPY, KEITH, AU
[72] SALAZAR, RUBEN, US
[72] DECKER, DAVID, US
[72] TURNER, RANDY, US
[71] LANDIS+GYR INNOVATIONS, INC., US
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[54] **EXTRUDATE-PRODUCING RIDGED CUTTING ELEMENT**
[54] **ELEMENT COUPANT A NERVURES DE PRODUCTION D'EXTRUDAT**
[72] GRAHAM, RYAN, US
[72] RAHMANI, REZA, US
[72] IVIE, BRAD, US
[72] PACHECO, OLIVIA, US
[71] NATIONAL OILWELL VARCO, L.P., US
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[30] US (15/962,929) 2018-04-25

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[25] EN
[54] **LOCK, FITTING, STRIKE PLATE AND CLOSING DEVICE FOR SLIDING DOORS AND SLIDING DOOR SYSTEM**
[54] **SERRURE, FERRURE, GACHE ET DISPOSITIF DE FERMETURE POUR PORTES COULISSANTES ET SYSTEME DE PORTES COULISSANTES**
[72] JUSTL, SASCHA, CH
[72] KURIGER, BEAT, CH
[72] ETTMULLER, PETER, CH
[72] HAAB, GREGOR, CH
[72] BEYELER, MARIANNE, CH
[72] NUE, MARTIN, CH
[72] AUER, STEFAN, CH
[72] RAZ, BRUNO, CH
[71] HAWA SLIDING SOLUTIONS AG, CH
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[54] **PYRAZO-TETRAHYDROISOQUINOLINE DERIVATIVES AS DOPAMINE D1 RECEPTOR POSITIVE MODULATORS**
[54] **DERIVES DE PYRAZO-TETRAHYDROISOQUINOLEINE EN TANT QUE MODULATEURS POSITIFS DU RECEPTEUR D1 DE LA DOPAMINE**
[72] COATES, DAVID ANDREW, US
[72] HAO, JUNLIANG, US
[72] HILLIARD, DARRYL WAYNE, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-10-19
[86] 2019-04-17 (PCT/US2019/027842)
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[25] EN
[54] **QUINOLINE DERIVATIVES AS INHIBITORS OF AXL/MER RTK AND CSF1R**
[54] **DERIVES DE QUINOLEINE UTILISES EN TANT QU'INHIBITEURS D'AXL/MER RTK ET CSF1R**
[72] NAM, KIYEAN, KR
[72] KIM, JAESEUNG, KR
[72] PARK, DONGSIK, KR
[72] JEON, YEEJIN, KR
[72] YANG, YEONG-IN, KR
[72] KANG, HWAN KYU, KR
[71] QURIENT CO., LTD., KR
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[54] **ISOINDOLINES AS HDAC INHIBITORS**
[54] **ISOINDOLINES UTILISEES COMME INHIBITEURS DE HDAC**
[72] ZHENG, XIAOZHANG, US
[72] MARTIN, MATTHEW W., US
[72] NG, PUI YEE, US
[72] THOMASON, JENNIFER R., US
[72] HAN, BINGSONG, US
[72] RUDNITSKAYA, ALEKSANDRA, US
[72] LANCIA, JR., DAVID R., US
[71] VALO EARLY DISCOVERY, INC., US
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[54] **A*03 RESTRICTED PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST CANCERS AND RELATED METHODS**
[54] **PEPTIDES RESTREINTS A*03 DESTINES A ETRE UTILISES EN IMMUNOTHERAPIE CONTRE DES CANCERS ET PROCEDES ASSOCIES**
[72] SONG, COLETTE, DE
[72] SCHUSTER, HEIKO, DE
[72] KOWALEWSKI, DANIEL, DE
[72] SCHOOR, OLIVER, DE
[72] FRITSCHE, JENS, DE
[72] WEINSCHENK, TONI, DE
[72] SINGH, HARPREET, DE
[72] BACKERT, LINUS, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
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[25] EN
[54] **HEAVY OIL CRACKING DEVICE SCALEUP WITH MULTIPLE ELECTRICAL DISCHARGE MODULES**
[54] **REGLAGE DE DISPOSITIF DE CRAQUAGE D'HUILE LOURDE AVEC DE MULTIPLES MODULES DE DECHARGE ELECTRIQUE**
[72] WANG, KUNPENG, US
[72] STAACK, DAVID, US
[72] JEMISON, HOWARD, US
[72] BHUIYAN, SHARIFUL ISLAM, US
[72] MARTENS, CHARLES, US
[71] THE TEXAS A & M UNIVERSITY SYSTEM, US
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[86] 2019-04-19 (PCT/US2019/028336)
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[54] **EMULSIFIERS AND THE USES THEREOF**
[54] **EMULSIFIANTS ET LEURS UTILISATIONS**
[72] ZHANG, JINGMIN, US
[71] PHYTOPTION LLC, US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028411)
[87] (WO2019/204793)
[30] US (62/659,950) 2018-04-19
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[25] EN
[54] **CLEANING ASSEMBLY FOR MAGNET ASSEMBLIES**
[54] **ENSEMBLE DE NETTOYAGE POUR ENSEMBLES AIMANTS**
[72] AANESBUG, GEIR OLAV, NO
[72] PALLIN, JAN EGIL, NO
[71] JAGTECH AS, NO
[85] 2020-10-19
[86] 2019-04-08 (PCT/NO2019/050071)
[87] (WO2019/203656)
[30] NO (20180544) 2018-04-20

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[51] **Int.Cl. E21B 17/02 (2006.01) E21B 17/046 (2006.01)**
[25] EN
[54] **FORCE TRANSFERRING WELLBORE CONNECTOR**
[54] **CONNECTEUR DE PUITS DE FORAGE A TRANSFERT DE FORCE**
[72] JOHNSEN, GEIR MAGNE MO, NO
[72] IBRAGIMOV, ALEXANDER, NO
[72] KRAG, STIAN, NO
[71] WELLGRAB AS, NO
[85] 2020-10-19
[86] 2019-04-23 (PCT/NO2019/050089)
[87] (WO2019/209115)
[30] NO (20180558) 2018-04-23

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[25] EN
[54] **SHP2 INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE SHP2 ET LEURS UTILISATIONS**
[72] XIE, YINONG, US
[72] BABISS, LEE E., US
[71] SYNBLIA THERAPEUTICS, INC., US
[85] 2020-10-19
[86] 2019-03-18 (PCT/US2019/022717)
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[30] US (62/646,107) 2018-03-21

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ANTIBODIES, AND BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND HER2 AND/OR APLP2, CONJUGATES, AND USES THEREOF**
[54] **ANTICORPS ET MOLECULES DE LIAISON A L'ANTIGENE BISPECIFIQUES SE LIANT A HER2 ET/OU APLP2, CONJUGUES ET UTILISATIONS ASSOCIEES**
[72] PEREZ BAY, ANDRES, US
[72] ANDREEV, JULIAN, US
[72] POTOCKY, TERRA, US
[72] DUAN, XUNBAO, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-10-19
[86] 2019-04-29 (PCT/US2019/029640)
[87] (WO2019/212965)
[30] US (62/664,924) 2018-04-30
[30] US (62/728,622) 2018-09-07
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[25] EN
[54] **SYSTEMS AND METHODS FOR FULL BODY MEASUREMENTS EXTRACTION**
[54] **SYSTEMES ET PROCEDES D'EXTRACTION DE MESURES DE CORPS ENTIER**
[72] KOH, CHONG JIN, US
[72] SATO, YU, JP
[71] BODYGRAM, INC., US
[85] 2020-10-19
[86] 2019-04-15 (PCT/US2019/027564)
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[30] US (62/660,377) 2018-04-20
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[51] **Int.Cl. G01Q 20/00 (2010.01) G01Q 10/02 (2010.01) G01Q 30/04 (2010.01)**
[25] EN
[54] **TECHNIQUES FOR CONTROL OF NON-DESTRUCTIVE TESTING DEVICES VIA A PROBE DRIVER**
[54] **TECHNIQUES DE COMMANDE DE DISPOSITIFS D'ESSAI NON DESTRUCTIFS PAR L'INTERMEDIAIRE D'UN PILOTE DE SONDE**
[72] MORRIS, BRYAN CHRISTOPHER, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2020-10-19
[86] 2019-04-24 (PCT/US2019/028869)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CARDIOVASCULAR DISEASE IN SELECTED PATIENTS**
[54] **COMPOSITIONS ET PROCEDES DE TRAITEMENT DE MALADIE CARDIOVASCULAIRE CHEZ DES PATIENTS SELECTIONNES**
[72] SCHNEIDER, DAVID, US
[71] THE UNIVERSITY OF VERMONT AND STATE AGRICULTURE COLLEGE, US
[85] 2020-10-19
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[54] **ROASTING SYSTEM HAVING SELF-ALIGNING AGITATOR AND DOOR BEARING ASSEMBLY**
[54] **SYSTEME DE ROTISSAGE DOTE D'UN AGITATEUR A ALIGNEMENT AUTOMATIQUE ET D'UN ENSEMBLE PALIER DE PORTE**
[72] SANDHU, JOHN, US
[72] HOLSCHUH, ARNO, US
[72] LOPEZ, RICARDO, US
[72] PEEVYHOUSE, JEREMIAH, US
[72] SCHMEHL, PETER, US
[72] SANDHU, NEIL, US
[72] WYATT, JEFF, US
[72] O'GRIFFIN, MOSE, US
[72] DAMELE, ANDREW, US
[72] SHAWVER, MICHAEL, US
[71] BELLWETHER COFFEE CO., US
[85] 2020-10-19
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[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF MULTIPLE SCLEROSIS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] CHAUDHURI, RATAN K., US
[72] BOJANOWSKI, KRZYSZTOF, US
[71] SYMBIONYX PHARMACEUTICALS, INC., US
[85] 2020-10-19
[86] 2019-05-01 (PCT/US2019/030189)
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[13] A1
[51] **Int.Cl. A23N 12/08 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ROASTING SYSTEM HAVING ROASTING DRUM WITH ACTUATABLE HATCH**
[54] **SYSTEME DE TORREFACTION POSSEDANT UN TAMBOUR DE TORREFACTION DOTE D'UNE TRAPPE ACTIONNABLE**
[72] SANDHU, JOHN, US
[72] HOLSCHUH, ARNO, US
[72] LOPEZ, RICARDO, US
[72] PEEVYHOUSE, JEREMIAH, US
[72] SCHMEHL, PETER, US
[72] SANDHU, NEIL, US
[72] WYATT, JEFF, US
[72] O'GRIFFIN, MOSE, US
[72] DAMELE, ANDREW, US
[72] SHAWVER, MICHAEL, US
[71] BELLWETHER COFFEE CO., US
[85] 2020-10-19
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[25] EN
[54] **PRESENTATION SUPPORT SYSTEM**
[54] **SYSTEME D'AIDE A LA PRESENTATION**
[72] SEKINE, KIYOSHI, JP
[71] INTERACTIVE SOLUTIONS CORP., JP
[85] 2020-10-20
[86] 2020-01-06 (PCT/JP2020/000075)
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[25] EN
[54] **FLUID COLLECTION DEVICE**
[54] **DISPOSITIF DE COLLECTE DE FLUIDE**
[72] ACOSTA, FRED, US
[71] ACOSTA MEDICAL GROUP, INC., US
[85] 2020-10-19
[86] 2019-04-17 (PCT/US2019/027901)
[87] (WO2019/204465)
[30] US (62/658,793) 2018-04-17
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[25] EN
[54] **ILLUMINATION APPARATUS AND METHOD OF USING SAME**
[54] **APPAREIL D'ECLAIRAGE ET SON PROCEDE D'UTILISATION**
[72] BROWN, MATTHEW S., US
[71] FUSE, LLC, US
[85] 2020-04-29
[86] 2018-10-29 (PCT/US2018/057981)
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[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING A FLOATING INTERPENETRATING POLYMER NETWORK FORMING SYSTEM**
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT UN SYSTEME FORMANT UN RESEAU POLYMERE D'INTERPENETRATION FLOTTANT**
[72] CHAUDHARI, SACHIN VASANT, US
[72] JAIN, PARAS RAMESHLAL, US
[71] TRIS PHARMA, INC., US
[85] 2020-06-17
[86] 2018-12-18 (PCT/US2018/066301)
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[51] **Int.Cl. G09G 3/00 (2006.01) G09F 9/37 (2006.01)**
[25] EN
[54] **PERSISTENCE OF VISION (POV) DISPLAY PANELS AND SYSTEMS**
[54] **PANNEAUX ET SYSTEMES D'AFFICHAGE A PERSISTANCE DE LA VISION (POV)**
[72] CHYKEYUK, KIRYL, GB
[72] STAVENKA, ARTSIOM, GB
[72] MALINOUSKI, DZMITRY, GB
[71] KINO-MO LTD, GB
[85] 2020-10-15
[86] 2018-05-17 (PCT/GB2018/051341)
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[51] **Int.Cl. A61K 31/50 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF MINAPRINE TO REDUCE TUMOR GROWTH**
[54] **UTILISATION DE MINAPRINE POUR REDUIRE LA CROISSANCE TUMORALE**
[72] PERFETTINI, JEAN LUC, FR
[72] DEUTSCH, ERIC, FR
[72] BRENNER, CATHERINE, FR
[72] CINTRAT, JEAN-CHRISTOPHE, FR
[72] TARAN, FREDERIC, FR
[71] INSTITUT GUSTAVE-ROUSSY, FR
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[54] **NOVEL INHIBITORS OF BACTERIAL GLUTAMINYL CYCLASES FOR USE IN THE TREATMENT OF PERIODONTAL AND RELATED DISEASES**
[54] **NOUVEAUX INHIBITEURS DE GLUTAMINYL-CYCLASES BACTERIENNES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE PARODONTOPATHIES ET DE MALADIES ASSOCIEES**
[72] JAGER, CHRISTIAN, DE
[72] LIEBE, LINDA, DE
[72] RAMSBECK, DANIEL, DE
[72] LINNERT, MIRIAM, DE
[72] GEISSLER, STEFANIE, DE
[72] PIECHOTTA, ANKE, DE
[72] MEITZNER, DIANE, DE
[72] CYNIS, HOLGER, DE
[72] BUCHHOLZ, MIRKO, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2020-08-24
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[25] EN
[54] **TIM-3 TARGETED HETERODIMERIC FUSION PROTEINS CONTAINING IL-15/IL-15RA FC-FUSION PROTEINS AND TIM-3 ANTIGEN BINDING DOMAINS**
[54] **PROTEINES DE FUSION HETERODIMERES CIBLANT TIM-3 CONTENANT DES PROTEINES DE FUSION FC D'IL-15/IL-15RA ET DOMAINES DE LIAISON A L'ANTIGENE DE TIM-3**
[72] BERNETT, MATTHEW, US
[72] DESJARLAIS, JOHN, US
[72] RASHID, RUMANA, US
[72] VARMA, RAJAT, US
[72] BONZON, CHRISTINE, US
[71] XENCOR, INC., US
[85] 2020-10-16
[86] 2019-04-18 (PCT/US2019/028192)
[87] (WO2019/204655)
[30] US (62/659,626) 2018-04-18
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[51] **Int.Cl. C12N 15/09 (2006.01) C12N 15/10 (2006.01) C12N 15/64 (2006.01) C12N 15/66 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR GENOME EDITING**
[54] **PROCEDES ET COMPOSITIONS POUR L'EDITION GENOMIQUE**
[72] WATSON, ANDRE RONALD, US
[72] FOSTER, CHRISTIAN, US
[72] LIN, SHUAILIANG, US
[72] PEYROT, SARA MARIE, US
[71] LIGANDAL, INC., US
[85] 2020-10-19
[86] 2019-04-17 (PCT/US2019/028004)
[87] (WO2019/204531)
[30] US (62/659,627) 2018-04-18
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[25] EN
[54] **FAULT RADIATION BASED GRID COMPARTMENTALIZATION**
[54] **COMPARTIMENTATION DE GRILLE BASEE SUR UN RAYONNEMENT DE FAILLE**
[72] FRANK, MILAN, GB
[72] LEVASSOR, FABRICE, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2020-10-19
[86] 2019-04-18 (PCT/US2019/028028)
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[30] US (62/661,070) 2018-04-22

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[51] **Int.Cl. A61K 31/231 (2006.01) A61K 31/10 (2006.01) A61K 31/16 (2006.01) A61K 31/23 (2006.01) A61P 25/00 (2006.01) A61P 39/06 (2006.01)**
[25] EN
[54] **STABILIZED POLYUNSATURATED COMPOUNDS AND USES THEREOF**
[54] **COMPOSES POLYINSATURES STABILISES ET LEURS UTILISATIONS**
[72] MOLINARI, ROBERT J., US
[72] SHCHEPINOV, MIKHAIL SERGEEVICH, US
[72] MILNER, PETER, US
[71] RETROTOPE, INC., US
[85] 2020-10-19
[86] 2019-04-18 (PCT/US2019/028081)
[87] (WO2019/204582)
[30] US (62/660,823) 2018-04-20
[30] US (62/660,843) 2018-04-20

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[51] **Int.Cl. C12Q 1/6851 (2018.01) C12Q 1/6844 (2018.01) C12Q 1/6869 (2018.01) G16B 25/10 (2019.01)**
[25] EN
[54] **METHODS FOR NORMALIZATION AND QUANTIFICATION OF SEQUENCING DATA**
[54] **PROCEDE DE NORMALISATION ET DE QUANTIFICATION DE DONNEES DE SEQUENCAGE**
[72] BROADBENT, KATE MARIEL, US
[72] CRISP, ROBERT JOHN, US
[72] DEMOGINES, ANN MICHELLE, US
[72] JONES, MATTHEW KAM, US
[72] ROGATCHEVA, MARGARITA, US
[72] SPAULDING, USHA K., US
[71] BIOFIRE DIAGNOSTICS, LLC, US
[85] 2020-10-19
[86] 2019-04-18 (PCT/US2019/028096)
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[30] US (62/660,460) 2018-04-20

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[51] **Int.Cl. A61B 17/16 (2006.01)**
[25] EN
[54] **ULTRASONIC SURGICAL DRILL, ASSEMBLY AND ASSOCIATED SURGICAL METHOD**
[54] **FORET CHIRURGICAL ULTRASONORE, ENSEMBLE ET PROCEDE ASSOCIE**
[72] VOIC, DAN, US
[72] MIKUS, PAUL, US
[71] MISONIX, INCORPORATED, US
[85] 2020-10-19
[86] 2019-04-18 (PCT/US2019/028172)
[87] (WO2019/204641)
[30] US (62/660,625) 2018-04-20

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[51] **Int.Cl. C08G 63/81 (2006.01) B32B 7/02 (2019.01) B32B 25/04 (2006.01) B32B 25/10 (2006.01) C07C 69/30 (2006.01) C08G 59/42 (2006.01) C08J 9/28 (2006.01)**
[25] EN
[54] **CURATIVE**
[54] **AGENT DE DURCISSEMENT**
[72] AMSTUTZ, AARON KENNETH, US
[72] HAVERHALS, LUKE MICHAEL, US
[72] PIERZ, ALBERT C., US
[72] PIERZ, IAN T., US
[71] NATURAL FIBER WELDING, INC., US
[85] 2020-10-19
[86] 2019-04-18 (PCT/US2019/028184)
[87] (WO2019/204649)
[30] US (62/660,943) 2018-04-21
[30] US (62/669,483) 2018-05-10
[30] US (62/669,502) 2018-05-10
[30] US (62/756,062) 2018-11-05
[30] US (62/772,715) 2018-11-29
[30] US (62/772,744) 2018-11-29
[30] US (62/806,480) 2019-02-15

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[51] **Int.Cl. A61B 5/05 (2006.01) G01N 21/64 (2006.01) G01N 33/483 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **DETECTION OF TARGETS**
[54] **DETECTION D'ANTICORPS**
[72] BOWERS, JAYSON L., US
[72] CAPPILLINO, MICHAEL, US
[72] GITE, SADANAND, US
[72] STRAUS, DON, US
[71] FIRST LIGHT BIOSCIENCES, INC., US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028397)
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[30] US (62/660,075) 2018-04-19
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[13] A1
[51] **Int.Cl. H04L 9/08 (2006.01) H04K 1/00 (2006.01) H04L 9/00 (2006.01) H04L 9/32 (2006.01)**
[25] EN
[54] **PEER IDENTITY VERIFICATION**
[54] **VERIFICATION D'IDENTITE D'HOMOLOGUE**
[72] HOLTON, JOSHUA D., US
[71] PIV SECURITY LLC, US
[85] 2020-10-19
[86] 2019-04-18 (PCT/US2019/028186)
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[30] US (62/660,099) 2018-04-19

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[51] **Int.Cl. A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATING SOLID TUMORS WITH BROMODOMAIN INHIBITORS**
[54] **TRAITEMENT DE TUMEURS SOLIDES AVEC DES INHIBITEURS DE BROMODOMAINES**
[72] ALBERT, DANIEL, US
[72] GAO, WENQING, US
[72] KATI, WARREN, US
[72] MCKEE, MARK, US
[72] WONG, SHEKMAN, US
[71] ABBVIE INC., US
[85] 2020-10-19
[86] 2019-05-15 (PCT/US2019/032391)
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[30] US (62/671,522) 2018-05-15

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[51] **Int.Cl. C07D 498/04 (2006.01) A61K 31/437 (2006.01) A61K 31/4985 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **OXADIAZOLOPYRAZINES AND OXADIAZOLOPYRIDINES USEFUL AS MITOCHONDRIAL UNCOUPLERS**
[54] **OXADIAZOLOPYRAZINES ET OXADIAZOLOPYRIDINES UTILISEES COMME DECOUPLANTS MITOCHONDRIAUX**
[72] SANTOS, WEBSTER L., US
[72] SALAMOUN, JOSEPH MICHAEL, US
[72] GARCIA, CHRISTOPHER J., US
[72] MURRAY, JACOB H., US
[71] VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., US
[85] 2020-10-19
[86] 2019-04-22 (PCT/US2019/028544)
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[30] US (62/660,880) 2018-04-20

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4745 (2006.01) A61K 31/4985 (2006.01) A61P 3/00 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **IMIDAZOPYRIDINES USEFUL AS MITOCHONDRIAL UNCOUPLERS**
[54] **IMIDAZOPYRIDINES UTILES EN TANT QUE DECOUPLEURS MITOCHONDRIAUX**
[72] SANTOS, WEBSTER L., US
[72] DAI, YUMIN, US
[72] SANTIAGO-RIVERA, JOSE A., US
[72] MURRAY, JACOB H., US
[71] VIRGINIA TECH INTELLECTUAL PROPERTIES, INC., US
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[86] 2019-04-22 (PCT/US2019/028555)
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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 13/08 (2006.01) E04B 1/86 (2006.01) E04B 9/04 (2006.01) E04C 2/24 (2006.01)**
[25] EN
[54] **METHODS FOR MAKING HIGH SOUND TRANSMISSION CLASS GYPSUM BOARDS AND GYPSUM BOARDS MADE BY THE METHOD**
[54] **PROCEDES DE FABRICATION DE PANNEAUX DE PLATRE A INDICE DE TRANSMISSION DE SON ELEVE ET PANNEAUX DE PLATRE FABRIQUES SELON CE PROCEDE**
[72] RAY, SUMAN SINHA, US
[72] ANTOSH, MARK, US
[72] HEMPHILL, MARK, US
[72] SANG, YIJUN, US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2020-10-19
[86] 2019-04-30 (PCT/US2019/029853)
[87] (WO2019/213045)
[30] US (62/665,341) 2018-05-01
[30] US (62/795,315) 2019-01-22
[30] US (16/356,303) 2019-03-18

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[51] **Int.Cl. F04B 9/10 (2006.01) F04B 9/109 (2006.01) F04B 25/00 (2006.01) F04B 37/18 (2006.01) F04B 39/04 (2006.01)**
[25] EN
[54] **COMPRESSOR DEVICE AND COMPRESSION METHOD**
[54] **SYSTEME DE COMPRESSEUR ET PROCEDE DE COMPRESSION**
[72] HILLEBRAND, STEPHAN, DE
[72] ZEISBERG, PATRICK, DE
[72] FRIEDRICH, NILS, DE
[71] SERA GMBH, DE
[85] 2020-10-19
[86] 2019-04-18 (PCT/EP2019/060176)
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[51] **Int.Cl. C12N 15/86 (2006.01) A61K 31/7105 (2006.01) A61K 38/46 (2006.01) A61K 48/00 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/11 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **DOWNREGULATION OF SNCA EXPRESSION BY TARGETED EDITING OF DNA-METHYLATION**
[54] **REGULATION A LA BAISSE DE L'EXPRESSION DE SNCA PAR L'EDITION CIBLEE DE LA METHYLATION DE L'ADN**
[72] CHIBA-FALEK, ORNIT, US
[72] KANTOR, BORIS, US
[71] DUKE UNIVERSITY, US
[85] 2020-10-19
[86] 2019-04-23 (PCT/US2019/028786)
[87] (WO2019/209869)
[30] US (62/661,134) 2018-04-23
[30] US (62/676,149) 2018-05-24
[30] US (62/789,932) 2019-01-08
[30] US (62/824,195) 2019-03-26

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[51] **Int.Cl. A61C 3/02 (2006.01) A61C 5/42 (2017.01) A61C 1/00 (2006.01)**
[25] EN
[54] **DENTAL TOOL INDICATOR**
[54] **INDICATEUR D'OUTIL DENTAIRE**
[72] SARIG, DROR, IL
[72] KAMIL, AMI, IL
[71] DENTSPLY SIRONA INC., US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028237)
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[30] US (62/662,348) 2018-04-25

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[13] A1
[51] **Int.Cl. A61F 13/00 (2006.01) A61K 33/04 (2006.01) C01B 17/48 (2006.01)**
[25] EN
[54] **LIGHT ACTIVATED GASOTRANSMITTER GENERATING COMPOSITIONS**
[54] **COMPOSITIONS GENERANT DES TRANSPORTEURS DE GAZ ACTIVES PAR LA LUMIERE**
[72] WILLEY, ALAN, US
[72] SAMUEL, STEVAN, US
[71] NOXSANO INC., US
[85] 2020-10-19
[86] 2019-04-24 (PCT/US2019/028856)
[87] (WO2019/209910)
[30] US (62/662,573) 2018-04-25

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[13] A1
[51] **Int.Cl. C07D 295/155 (2006.01) A61K 31/122 (2006.01) A61K 31/133 (2006.01) A61P 25/00 (2006.01) A61P 25/04 (2006.01) A61P 25/28 (2006.01) C07C 225/20 (2006.01) C07C 237/02 (2006.01) C07D 295/145 (2006.01)**
[25] EN
[54] **AROMATIC COMPOUND AND PREPARATION METHOD THEREFOR AND USE THEREOF**
[54] **COMPOSE AROMATIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] XUE, TAO, CN
[72] HUANG, JING, CN
[72] WANG, WENKE, CN
[72] CHEN, YILANG, CN
[71] SHANGHAI JIANHE PHARMACEUTICAL & TECHNOLOGY CO. LTD., CN
[85] 2020-10-19
[86] 2019-04-04 (PCT/CN2019/081533)
[87] (WO2019/192602)
[30] CN (201810301241.8) 2018-04-04

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[13] A1
[51] **Int.Cl. A47L 15/28 (2006.01) A47L 15/46 (2006.01)**
[25] EN
[54] **CLEANING TANK**
[54] **CUVE DE NETTOYAGE**
[72] MCINERNEY, DAMIAN, AU
[71] INTERACTIVE SERVICES (VIC) PTY LTD, AU
[85] 2020-10-20
[86] 2019-04-25 (PCT/AU2019/050368)
[87] (WO2019/204874)
[30] AU (2018901376) 2018-04-26

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[13] A1
[51] **Int.Cl. B65B 55/02 (2006.01) A01N 1/02 (2006.01) B65B 3/04 (2006.01) B65B 55/00 (2006.01) B65D 81/24 (2006.01)**
[25] EN
[54] **MULTI-FUNCTIONAL CRYOGENIC STORAGE VESSEL**
[54] **CONTENANT DE STOCKAGE CRYOGENIQUE MULTIFONCTIONNEL**
[72] SCHYVER, BRIAN, US
[71] BIOLIFE SOLUTIONS, INC., US
[85] 2020-10-19
[86] 2019-04-22 (PCT/US2019/028566)
[87] (WO2019/204821)
[30] US (62/660,722) 2018-04-20

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[13] A1
[51] **Int.Cl. C08K 5/3492 (2006.01) C08L 23/08 (2006.01) C08L 51/06 (2006.01) H01B 3/44 (2006.01)**
[25] EN
[54] **POLYMERIC COMPOSITION CONTAINING A LIGHT STABILIZER**
[54] **COMPOSITION POLYMERE CONTENANT UN PHOTOSTABILISANT**
[72] CHAUDHARY, BHARAT I., US
[72] YU, XINDI, US
[72] ZHANG, YICHI, US
[72] DREUX, PETER C., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
[85] 2020-10-19
[86] 2019-04-26 (PCT/US2019/029361)
[87] (WO2019/210178)
[30] US (62/663,499) 2018-04-27

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EX-VIVO HEART PERFUSION**
[54] **PROCEDE ET SYSTEME DE PERFUSION CARDIAQUE EX VIVO**
[72] BADIWALA, MITESH VALLABH, CA
[72] RAO, VIVEK, CA
[72] GELLNER, BRYAN, CA
[72] RIBEIRO, ROBERTO VANIN PINTO, CA
[72] XIN, LIMING, CA
[72] ZU, JEAN W., US
[71] UNIVERSITY HEALTH NETWORK, CA
[85] 2020-10-20
[86] 2018-04-05 (PCT/CA2018/000068)
[87] (WO2018/191810)
[30] US (62/488,123) 2017-04-21

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[51] **Int.Cl. H01J 49/08 (2006.01) H01J 49/42 (2006.01)**
[25] EN
[54] **MASS ANALYZER INCLUDING AN ION SOURCE AND A REACTION CELL AND SYSTEMS AND METHODS USING THEM**
[54] **ANALYSEUR DE MASSE COMPRENANT UNE SOURCE D'IONS ET UNE CELLULE DE REACTION ET SYSTEMES ET PROCEDES LES UTILISANT**
[72] GAMBLE, HEATHER, US
[72] JAVAHERY, GHOLAMREZA, US
[72] COUSINS, LISA, US
[72] JOLLIFFE, CHARLES, US
[72] SNOW, MILES, CA
[71] PERKINELMER HEALTH SCIENCES CANADA, INC., CA
[85] 2020-10-19
[86] 2019-04-16 (PCT/IB2019/053154)
[87] (WO2019/202518)
[30] US (15/958,781) 2018-04-20

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[51] **Int.Cl. G01B 7/004 (2006.01) F03D 17/00 (2016.01) H04W 4/38 (2018.01) H04W 4/80 (2018.01) A47C 31/00 (2006.01) F17D 5/02 (2006.01) G01B 7/16 (2006.01) G01D 5/12 (2006.01) G01D 5/16 (2006.01) G01D 5/24 (2006.01) G01K 7/00 (2006.01) G01N 27/20 (2006.01) G01V 7/00 (2006.01)**
[25] EN
[54] **WIDE AREA SENSORS**
[54] **CAPTEURS A LARGE PORTEE**
[72] BANICA, ADRIAN, CA
[72] EDMONDSON, STEPHEN, CA
[72] PARMAR, KAUSHIK, CA
[71] DIRECT-C LIMITED, CA
[85] 2020-10-20
[86] 2019-04-18 (PCT/CA2019/050494)
[87] (WO2019/200488)
[30] US (62/660,931) 2018-04-20

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[51] **Int.Cl. B60L 50/50 (2019.01) B60L 50/71 (2019.01) B60L 50/72 (2019.01) H01M 8/22 (2006.01)**
[25] EN
[54] **VEHICLE POWER PLANT TO CONSERVE WATER**
[54] **CENTRALE ELECTRIQUE DE VEHICULE POUR ECONOMISER DE L'EAU**
[72] ANDERSON, KORY, US
[72] EWERT, DANIEL, US
[72] JORGENSON, JOEL, US
[71] ANDERSON INDUSTRIES, LLC, US
[85] 2020-10-19
[86] 2019-05-17 (PCT/US2019/032899)
[87] (WO2019/222647)
[30] US (62/673,639) 2018-05-18
[30] US (16/414,047) 2019-05-16

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[51] **Int.Cl. C08J 11/14 (2006.01) C07C 51/16 (2006.01) C07C 51/27 (2006.01) C07C 55/02 (2006.01) C07C 55/10 (2006.01) C07C 55/12 (2006.01) C07C 55/14 (2006.01) C07C 55/16 (2006.01) C07C 55/18 (2006.01) C07C 55/21 (2006.01) C07C 67/00 (2006.01) C07C 69/34 (2006.01) C08J 11/16 (2006.01)**
[25] EN
[54] **METHODS FOR THE DECOMPOSITION OF CONTAMINATED PLASTIC WASTE**
[54] **PROCEDES DE DECOMPOSITION DE DECHETS PLASTIQUES CONTAMINES**
[72] YAO, JIA YUN, US
[72] WANG, YU WEN, US
[72] MUPPANENI, TAPASWY, US
[72] SHRESTHA, RUJA, US
[72] LE ROY, JENNIFER, US
[72] FIGULY, GARRET D., US
[72] FREER, ERIK, US
[71] BIOCELLECTION INC., US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028258)
[87] (WO2019/204687)
[30] US (62/660,156) 2018-04-19
[30] US (15/958,745) 2018-04-20
[30] US (62/793,295) 2019-01-16

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[51] **Int.Cl. E21C 47/00 (2006.01) G06T 19/00 (2011.01) E21C 47/10 (2006.01) G06T 11/60 (2006.01)**
[25] EN
[54] **MIXED REALITY METHOD AND SYSTEM FOR PRECISION MINING**
[54] **PROCEDE ET SYSTEME DE REALITE MIXTE POUR EXPLOITATION MINIERE DE PRECISION**
[72] CANEPARI, LUIS, CA
[71] GOLDCORP INC., US
[85] 2020-10-20
[86] 2019-03-01 (PCT/CA2019/050248)
[87] (WO2019/204900)
[30] US (62/663,729) 2018-04-27

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[13] A1
[51] **Int.Cl. B65D 25/14 (2006.01) A45F 3/16 (2006.01) A47G 19/03 (2006.01) A47G 21/18 (2006.01) A47J 31/06 (2006.01) B65D 3/28 (2006.01) B65D 85/816 (2006.01) D21H 21/16 (2006.01)**
[25] EN
[54] **RECYCLABLE COMPOSITION FOR WATERPROOFING PAPER UTILIZING PLANT DERIVED WAXES, AND PELLETS UTILIZING SAID COMPOSITION**
[54] **COMPOSITION RECYCLABLE POUR L'IMPERMEABILISATION DE PAPIER UTILISANT DES CIRES DERIVEES DE PLANTES, ET PASTILLES UTILISANT LADITE COMPOSITION**
[72] SEGAL, MICHAEL SCOTT, US
[71] J & J GREEN PAPER, INC., US
[85] 2020-10-19
[86] 2019-04-22 (PCT/US2019/028588)
[87] (WO2019/204830)
[30] US (62/659,186) 2018-04-20
[30] US (16/191,426) 2018-11-14

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[51] **Int.Cl. G01N 21/15 (2006.01) G01N 21/05 (2006.01) G01N 21/25 (2006.01) G01N 21/39 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IMPROVING PRECISION IN OPTICAL MEASUREMENTS**
[54] **SYSTEME ET PROCEDE D'AMELIORATION DE LA PRECISION DE MESURES OPTIQUES**
[72] TREFIAK, KURT, CA
[72] HARRIS, PHILIP C., CA
[71] INSIGHT ANALYTICAL SOLUTIONS INC., CA
[85] 2020-10-20
[86] 2019-04-23 (PCT/CA2019/050509)
[87] (WO2019/204921)
[30] US (62/661,427) 2018-04-23

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[13] A1
[51] **Int.Cl. C12P 21/00 (2006.01) A23K 10/10 (2016.01) A23K 20/142 (2016.01) A23K 20/147 (2016.01) A23L 33/195 (2016.01) A23J 1/00 (2006.01) C07K 1/14 (2006.01) C12N 1/06 (2006.01)**
[25] EN
[54] **PROCESS FOR OBTAINING PROTEIN-RICH NUTRIENT SUPPLEMENTS FROM BACTERIAL FERMENTATION PROCESS**
[54] **PROCESSUS D'OBTENTION DE SUPPLEMENTS NUTRITIFS RICHES EN PROTEINES A PARTIR D'UN PROCESSUS DE FERMENTATION BACTERIENNE**
[72] SENARATNE, RYAN H., US
[72] FRUCHTL, MCKINZIE S., US
[72] PRICE, ABEL, US
[71] JUPENG BIO, INC., US
[85] 2020-10-19
[86] 2019-05-21 (PCT/US2019/033406)
[87] (WO2019/226707)
[30] US (62/674,604) 2018-05-21
[30] US (16/416,140) 2019-05-17

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[51] **Int.Cl. G08G 1/07 (2006.01) G06N 20/00 (2019.01) G06N 3/08 (2006.01) G08G 1/052 (2006.01) G08G 1/08 (2006.01) G08G 1/095 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR MULTIMODAL DEEP TRAFFIC SIGNAL CONTROL**
[54] **PROCEDE ET SYSTEME DE COMMANDE DE FEU DE SIGNALISATION APPROFONDIE MULTIMODALE**
[72] SHABESTARY, SOHEIL, CA
[72] ABDULHAI, BAHER, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-10-20
[86] 2019-04-17 (PCT/CA2019/050477)
[87] (WO2019/200477)
[30] US (62/660,307) 2018-04-20

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[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) A61B 5/15 (2006.01) A61B 5/155 (2006.01)**
[25] EN
[54] **A PHARMACODYNAMIC MODEL FOR DETERMINING LAST USE OF INHALED AND ORAL CANNABIS PRODUCTS**
[54] **MODELE PHARMACODYNAMIQUE PERMETTANT LA DETERMINATION DE LA DERNIERE UTILISATION DE PRODUITS DE CANNABIS INHALES ET PAR VOIE ORALE**
[72] DEGREGORIO, MICHAEL W., US
[72] KAO, CHIAO-JUNG, US
[72] WURZ, GREGORY T., US
[71] IMMUNO TESS, INC., US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028298)
[87] (WO2019/209649)
[30] US (62/661,280) 2018-04-23

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[13] A1
[51] **Int.Cl. G01N 1/20 (2006.01) G01N 1/22 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR LIQUID DISPLACEMENT AUTO-SAMPLING**
[54] **SYSTEME ET PROCEDE D'AUTO-ECHANTILLONNAGE DE FLUIDE DE DEPLACEMENT**
[72] TREFIAK, KURT, CA
[72] HARRIS, PHIL, CA
[71] INSIGHT ANALYTICAL SOLUTIONS INC., CA
[85] 2020-10-20
[86] 2019-04-23 (PCT/CA2019/050511)
[87] (WO2019/204923)
[30] US (62/661,375) 2018-04-23

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/505 (2006.01) A61P 35/00 (2006.01) C07D 475/04 (2006.01)**
[25] EN
[54] **PTERIDINONE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES DE PTERIDINONE ET LEURS UTILISATIONS**
[72] LAUFFER, DAVID J., US
[72] BEMIS, GUY, US
[72] BOYD, MICHAEL, US
[72] DEININGER, DAVID, US
[72] DENG, HONGBO, US
[72] DORSCH, WARREN, US
[72] GU, WENXIN, US
[72] HOOVER, RUSSELL R., US
[72] JOHNSON, MAC ARTHUR JR., US
[72] LEDEBOER, MARK WILLEM, US
[72] LEDFORD, BRIAN, US
[72] MALTAIS, FRANCOIS, US
[72] PENNEY, MARINA, US
[72] TAKEMOTO, DARIN, US
[72] WAAL, NATHAN D., US
[72] WENG, TIANSHENG, US
[72] LI, PAN, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2020-10-19
[86] 2019-04-23 (PCT/US2019/028604)
[87] (WO2019/209757)
[30] US (62/661,744) 2018-04-24

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[13] A1
[51] **Int.Cl. C07K 1/00 (2006.01) C12P 1/04 (2006.01) C12P 21/00 (2006.01)**
[25] EN
[54] **SYSTEM AND PROCESS FOR INCREASING PROTEIN PRODUCT YIELD FROM BACTERIAL CELLS**
[54] **SYSTEME ET PROCEDE PERMETTANT D'AUGMENTER LE RENDEMENT D'UN PRODUIT PROTEIQUE A PARTIR DE CELLULES BACTERIENNES**
[72] FRUCHTL, MCKINZIE S., US
[72] SENARATNE, RYAN H., US
[71] JUPENG BIO, INC., US
[85] 2020-10-19
[86] 2019-05-21 (PCT/US2019/033408)
[87] (WO2019/226709)
[30] US (62/674,604) 2018-05-21
[30] US (16/416,127) 2019-05-17

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[13] A1
[51] **Int.Cl. G01N 30/86 (2006.01) G01N 30/88 (2006.01) A61K 38/00 (2006.01) C07K 16/24 (2006.01) G01N 30/56 (2006.01)**
[25] EN
[54] **CHROMATOGRAPHY COLUMN QUALIFICATION IN MANUFACTURING METHODS FOR PRODURING ANTI-TNF ANTIBODY COMPOSITIONS**
[54] **QUALIFICATION DE COLONNE DE CHROMATOGRAPHIE DANS DES PROCEDES DE FABRICATION DE COMPOSITIONS D'ANTICORPS ANTI-TNF**
[72] RANDOLPH, PAUL, US
[71] JANSSEN BIOTECH, INC., US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028314)
[87] (WO2019/204721)
[30] US (62/660,340) 2018-04-20

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[13] A1
[51] **Int.Cl. F25J 3/02 (2006.01) C10L 3/10 (2006.01)**
[25] EN
[54] **METHOD OF COOLING A NATURAL GAS FEED STREAM AND RECOVERING A NATURAL GAS LIQUID STREAM FROM THE NATURAL GAS FEED STREAM**
[54] **PROCEDE DE REFROIDISSEMENT D'UN COURANT D'ALIMENTATION EN GAZ NATUREL ET DE RECUPERATION D'UN COURANT DE LIQUIDE DE GAZ NATUREL A PARTIR DU COURANT D'ALIMENTATION EN GAZ NATUREL**
[72] AGBARAKWE, UCHENNA MCDONALD, NL
[72] DEN HEIJER, MARK, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2020-10-20
[86] 2019-04-11 (PCT/EP2019/059218)
[87] (WO2019/206655)
[30] EP (18169010.8) 2018-04-24

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[13] A1
[51] **Int.Cl. C07D 491/16 (2006.01) A61K 31/4745 (2006.01) A61P 31/12 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **LYCORINE DERIVATIVE, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **DERIVES DE LYCORINE, LEUR COMPOSITE PHARMACEUTIQUE ET LEUR UTILISATION**
[72] PAN, XIANDAO, CN
[72] YANG, YAJUN, CN
[72] SHEN, LONGYING, CN
[72] ZHENG, WENSHENG, CN
[72] HE, SHUWANG, CN
[72] YAN, SHIQIANG, CN
[72] JING, YAJUN, CN
[71] SHANDONG DYNE MARINE BIOPHARMACEUTICAL CO., LTD, CN
[71] BEIJING DYNE HIGH-TECH PEDIATRIC PHARMACEUTICAL R&D INSTITUTE CO., LTD., CN
[85] 2020-10-20
[86] 2018-07-27 (PCT/CN2018/097678)
[87] (WO2020/019357)

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[13] A1
[51] **Int.Cl. G06F 3/0488 (2013.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SWITCHING GLOBAL SPECIAL EFFECTS, TERMINAL DEVICE, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE COMMUTATION D'EFFETS SPECIAUX GLOBAUX, DISPOSITIF TERMINAL ET SUPPORT D'INFORMATIONS**
[72] WANG, YA, CN
[71] BEIJING MICROLIVE VISION TECHNOLOGY CO., LTD, CN
[85] 2020-10-20
[86] 2018-12-28 (PCT/CN2018/124745)
[87] (WO2020/000971)
[30] CN (201810697512.6) 2018-06-29

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[13] A1
[51] **Int.Cl. A23N 3/00 (2006.01) A23N 4/00 (2006.01) A23N 4/12 (2006.01) A23N 4/22 (2006.01) A47J 17/00 (2006.01) A47J 25/00 (2006.01)**
[25] EN
[54] **ENDOSKELETAL METHOD FOR CORING, SLICING, AND PROPORTIONING SOFT-CORED OR PITTED FRUITS**
[54] **PROCEDE ENDOSQUELETTIQUE POUR LE CAROTTAGE, LE TRANCHAGE ET LE DOSAGE DE FRUITS A NOYAU MOU OU DENOYAUTES**
[72] BERGLIN, SCOTT, US
[71] BERGLIN, SCOTT, US
[85] 2020-10-19
[86] 2019-04-23 (PCT/US2019/028754)
[87] (WO2019/209849)
[30] US (62/661,389) 2018-04-23

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[13] A1
[51] **Int.Cl. A61K 36/00 (2006.01) A61K 9/16 (2006.01) A61K 36/481 (2006.01) A61K 36/537 (2006.01) A61K 36/808 (2006.01) A61K 47/10 (2017.01) B02C 19/06 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING ADDITIVE-FREE CELL-WALL-BROKEN GRANULE OF CHINESE MEDICINAL MATERIAL**
[54] **PROCEDE DE PREPARATION D'UNE PREPARATION GRANULAIRE PULVERULENTE A PAROI BRISEE A BASE D'HERBES MEDICINALES CHINOISES EXEMPTE D'ADDITIFS**
[72] CHENG, JINLE, CN
[72] LAI, ZHITIAN, CN
[72] XU, JIYIN, CN
[72] CHEN, YONGJUN, CN
[72] DENG, WEN, CN
[72] PENG, LIHUA, CN
[72] CHEN, WEIXUAN, CN
[72] CHEN, JINMEI, CN
[72] WANG, YINA, CN
[72] LIANG, YANLING, CN
[72] QIAO, WEILIN, CN
[72] CAO, XIAOJUN, CN
[71] ZHONGSHAN ZHONGZHI PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2020-10-20
[86] 2019-03-15 (PCT/CN2019/078215)
[87] (WO2019/205829)
[30] CN (201810384021.6) 2018-04-25

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) C12N 5/07 (2010.01) C12Q 1/6806 (2018.01) A61K 35/12 (2015.01) C12Q 1/00 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **ISOLATION OF EXTRACELLULAR VESICLES BY PRECIPITATION OR IMMOBILIZATION USING POLYETHYLENIMINE AND POLYETHYLENIMINE-COATED SOLID SUPPORTS**
[54] **ISOLEMENT DE VESICULES EXTRACELLULAIRES PAR PRECIPITATION OU IMMOBILISATION A L'AIDE DE POLYETHYLENIMINE ET DE SUPPORTS SOLIDES REVETUS DE POLYETHYLENIMINE**
[72] TAYLOR, CATHERINE, CA
[72] ROY, JEREMY, CA
[71] ATLANTIC CANCER RESEARCH INSTITUTE (ACRI), CA
[85] 2020-10-20
[86] 2019-05-17 (PCT/CA2019/050669)
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[30] US (62/673,415) 2018-05-18

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[13] A1
[51] **Int.Cl. A23L 27/20 (2016.01) A23K 20/00 (2016.01) A23L 27/00 (2016.01) A23L 27/12 (2016.01) A23L 27/30 (2016.01)**
[25] EN
[54] **TASTE-MASKING FORMULATION FOR KETONE BODY COMPOUNDS**
[54] **FORMULATION DE MASQUAGE DE GOUT POUR COMPOSES DE CORPS CETONIQUES**
[72] SMITH, HOUSTON, US
[72] DESIERTO, BERNADITA P., US
[72] SCHAD, BEVERLY ANN, US
[72] LASOTA, DANIELLE, US
[72] WHITTEMORE, SEAN, US
[71] NEUROENERGY VENTURES, INC., US
[85] 2020-10-19
[86] 2020-02-21 (PCT/US2020/019174)
[87] (WO2020/185368)
[30] US (62/818,208) 2019-03-14

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[13] A1
[51] **Int.Cl. C07D 239/20 (2006.01) A61K 31/506 (2006.01) A61P 31/20 (2006.01) C07D 403/04 (2006.01) C07D 417/04 (2006.01)**
[25] EN
[54] **DIHYDROPYRIMIDINE DERIVATIVES AND USES THEREOF IN THE TREATMENT OF HBV INFECTION OR OF HBV-INDUCED DISEASES**
[54] **DERIVES DE DIHYDROPYRIMIDINE ET LEURS UTILISATIONS DANS LE TRAITEMENT D'UNE INFECTION PAR LE VIRUS DE L'HEPATITE B OU DE MALADIES INDUITES PAR LE VIRUS DE L'HEPATITE B**
[72] JIANG, YIMIN, CN
[72] WAN, ZHAO-KUI, CN
[72] CHEUNG, WING SHUN, CN
[72] LIU, QIAN, CN
[72] DENG, GANG, CN
[72] LIANG, CHAO, CN
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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[54] **SPRAY NOZZLE FOR WATER SLIDE FEATURE**
[54] **BUSE DE PULVERISATION POUR ELEMENT D'AQUA-TOBOGGAN**
[72] HUNTER, RICHARD DOUGLAS, CA
[72] SMEGAL, RAYMOND THOMAS, CA
[71] PROSLIDE TECHNOLOGY INC., CA
[85] 2020-10-20
[86] 2019-05-17 (PCT/CA2019/050678)
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[30] US (62/673,553) 2018-05-18

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[51] **Int.Cl. F17C 1/16 (2006.01) F17C 1/06 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A FIBER-REINFORCED PRESSURE TANK WITH POLE CAP REINFORCEMENT**
[54] **PROCEDE DE FABRICATION D'UN RECIPIENT SOUS PRESSION RENFORCE DE FIBRES A RENFORCEMENT DES CAPUCHONS POLAIRES**
[72] BAUMER, TRISTAN, DE
[71] NPROXX B.V., NL
[85] 2020-10-20
[86] 2019-04-24 (PCT/EP2019/060459)
[87] (WO2019/206959)
[30] DE (10 2018 110 049.3) 2018-04-26

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[51] **Int.Cl. B62B 5/00 (2006.01) B62B 3/14 (2006.01)**
[25] EN
[54] **TRANSPORT EQUIPMENT WITH AT LEAST ONE TRANSPORT DEVICE AND METHOD FOR MANUFACTURING, OPERATING AND MAINTAINING THE TRANSPORT EQUIPMENT**
[54] **EQUIPEMENT DE TRANSPORT POURVU D'AU MOINS UN APPAREIL DE TRANSPORT ET PROCEDE DE FABRICATION, DE FONCTIONNEMENT, ET D'ENTRETIEN DE L'EQUIPEMENT DE TRANSPORT**
[72] EBERLEIN, MARTIN, BG
[71] EBERLEIN, MARTIN, BG
[85] 2020-10-20
[86] 2019-02-22 (PCT/DE2019/000045)
[87] (WO2019/166038)
[30] DE (20 2018 001 120.7) 2018-03-02
[30] DE (20 2018 001 297.1) 2018-03-10
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[25] EN
[54] **AN ORAL TABLET FOR DELIVERY OF ACTIVE INGREDIENTS TO THE THROAT COMPRISING NON-DIRECTLY COMPRESSIBLE SUGAR ALCOHOL PARTICLES**
[54] **COMPRIME ORAL POUR L'ADMINISTRATION D'INGREDIENTS ACTIFS A LA GORGE COMPRENANT DES PARTICULES D'ALCOOL DE SUCRE NON DIRECTEMENT COMPRESSIBLES**
[72] WITTORFF, HELLE, DK
[71] FERTIN PHARMA A/S, DE
[85] 2020-10-20
[86] 2019-05-15 (PCT/DK2019/050160)
[87] (WO2019/219150)
[30] US (15/982,970) 2018-05-17

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[51] **Int.Cl. F01D 5/02 (2006.01) G01M 1/22 (2006.01) G01M 1/32 (2006.01)**
[25] EN
[54] **ROTOR BALANCING METHOD AND APPARATUS**
[54] **APPAREIL ET PROCEDE D'EQUILIBRAGE DE ROTOR**
[72] MENG, ZHIQIANG, GB
[71] SIEMENS GAS AND POWER GMBH & CO. KG, DE
[85] 2020-10-20
[86] 2019-04-18 (PCT/EP2019/060100)
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[25] EN
[54] **PIPE CONNECTION SYSTEM AND METHOD FOR PRODUCING A PIPE CONNECTION**
[54] **SYSTEME DE RACCORDEMENT DE TUYAUX ET PROCEDE DE FABRICATION D'UN RACCORD DE TUYAUX**
[72] BLOSSE, ROBERT, DE
[72] LEDDIG-BAHLS, SUSANNE, DE
[72] LOOGEN, SVEN, DE
[72] WAHR, JENS, DE
[71] PIPE-AQUA-TEC GMBH & CO.KG, DE
[85] 2020-10-20
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[51] **Int.Cl. G06F 21/52 (2013.01) G06F 21/53 (2013.01)**
[25] EN
[54] **PROGRAMMATIC CONTAINER MONITORING**
[54] **SURVEILLANCE PROGRAMMATIQUE DE CONTENEURS**
[72] BORELLO, GIANLUCA, US
[72] DEGIOANNI, LORIS, US
[71] SYSDIG, INC., US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028319)
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[25] EN
[54] **FELLING UNIT AND METHOD OF HARVESTING SMALL-DIMENSIONED WOOD**
[54] **UNITE D'ABATTAGE ET PROCEDE DE RECOLTE DE BOIS DE PETITE DIMENSION**
[72] KARVANEN, JANI, FI
[71] KARVANEN, JANI, FI
[85] 2020-10-20
[86] 2019-04-16 (PCT/FI2019/050309)
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[25] EN
[54] **EFFICIENT CIRCUIT IN PULSED ELECTRICAL DISCHARGE PROCESSING**
[54] **CIRCUIT EFFICACE DANS UN TRAITEMENT DE DECHARGE ELECTRIQUE PULSEE**
[72] STAACK, DAVID, US
[72] CAMPBELL, CHRISTOPHER, US
[72] BURNETTE, MATTHEW, US
[72] GAWLOSKI, NICHOLAS, US
[71] THE TEXAS A & M UNIVERSITY SYSTEM, US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028335)
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[30] US (62/660,694) 2018-04-20

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[25] EN
[54] **PROCESS FOR PARTIAL UPGRADING OF HEAVY OIL**
[54] **PROCEDE POUR LA VALORISATION PARTIELLE D'HUILE LOURDE**
[72] JEMISON, HOWARD, US
[72] STAACK, DAVID, US
[72] WANG, KUNPENG, US
[71] THE TEXAS A & M UNIVERSITY SYSTEM, US
[85] 2020-10-19
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[25] EN
[54] **TABLETS CONTAINING POLYPHOSPHATES**
[54] **COMPRIMES CONTENANT DES POLYPHOSPHATES**
[72] LIZANO, JOAQUIN, NL
[72] HOEKSEMA, RENE, NL
[72] BROUNS, GLADYS, NL
[72] SARRICA, ANDREA, IT
[72] BOTTINI, ALESSANDRO, IT
[72] MARANGOZ, GUVEN, NL
[71] PERFETTI VAN MELLE S.P.A., IT
[85] 2020-10-20
[86] 2019-05-16 (PCT/IB2019/054065)
[87] (WO2019/220389)
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[25] EN
[54] **LUBRICANT COMPOSITION AND USE OF THE SAME AS A PIPE DOPE**
[54] **COMPOSITION LUBRIFIANTE ET SON UTILISATION COMME PATE LUBRIFIANTE**
[72] WORTHINGTON, EDWARD ALEXANDER, DE
[72] DAEGLING, STEFAN, DE
[72] WHEATLEY, ALAN RICHARD, GB
[72] ERNENS, DENNIS, NL
[72] WESTRA, GERBEN, NL
[72] SCHOEN, YVES LOUIS CHARLY ARJEN, NL
[72] PASARIBU, HENRY RIHARD, NL
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2020-10-20
[86] 2019-04-24 (PCT/EP2019/060521)
[87] (WO2019/206999)
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[25] EN
[54] **BLOOD FLOW RESTRICTION SPORTSWEAR GARMENT**
[54] **VETEMENT DE SPORT DE RESTRICTION DE FLUX SANGUIN**
[72] BRADLEY, WARREN, GB
[71] HYTRO LIMITED, GB
[85] 2020-10-20
[86] 2019-05-31 (PCT/GB2019/051515)
[87] (WO2019/239107)
[30] GB (1809772.5) 2018-06-14

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[51] **Int.Cl. F16L 23/04 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **A CLAMP**
[54] **CLAMP**
[72] SILLITOE, CHRIS, GB
[72] WHITE, NICK, GB
[71] BIO PURE TECHNOLOGY LIMITED, GB
[85] 2020-10-20
[86] 2019-04-03 (PCT/EP2019/058440)
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[51] **Int.Cl. B65G 47/61 (2006.01) B07C 5/00 (2006.01) B25J 15/00 (2006.01) B25J 15/06 (2006.01)**
[25] EN
[54] **WASTE SORTING GANTRY ROBOT**
[54] **ROBOT PORTIQUE DE TRI DE DECHETS**
[72] LUKKA, TUOMAS, FI
[72] BORKOWSKI, MACIEJ, FI
[72] HOLOPAINEN, HARRI, FI
[71] ZENROBOTICS OY, FI
[85] 2020-10-20
[86] 2019-04-18 (PCT/FI2019/050319)
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[51] **Int.Cl. B25J 9/06 (2006.01) B25J 9/02 (2006.01) B25J 15/02 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **FORCE CONTROL COUPLING FOR A ROBOTIC END EFFECTOR FOR A WASTE SORTING ROBOT**
[54] **ACCOUPLEMENT DE COMMANDE DE FORCE POUR ORGANE TERMINAL EFFECTEUR ROBOTISE POUR ROBOT DE TRI DE DECHETS**
[72] HOLOPAINEN, HARRI, FI
[72] LUKKA, TUOMAS, FI
[71] ZENROBOTICS OY, FI
[85] 2020-10-20
[86] 2019-04-18 (PCT/FI2019/050320)
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[13] A1
[51] **Int.Cl. B42D 25/30 (2014.01) B42D 25/29 (2014.01) B42D 25/351 (2014.01) B42D 25/373 (2014.01) B42D 25/45 (2014.01)**
[25] EN
[54] **SELF-AUTHENTICATING ARTICLES INCORPORATING PRECIOUS METALS**
[54] **ARTICLES A AUTO-AUTHENTIFICATION INCORPORANT DES METAUX PRECIEUX**
[72] TANKO, DAVID, CA
[71] GOLDNOTE CORPORATION, CA
[85] 2020-10-20
[86] 2019-05-07 (PCT/IB2019/000469)
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[51] **Int.Cl. B07C 5/00 (2006.01) B25J 9/02 (2006.01) B65G 17/00 (2006.01) B65G 47/00 (2006.01) B65G 47/18 (2006.01)**
[25] EN
[54] **WASTE SORTING GANTRY ROBOT COMPRISING AN INTEGRATED MAINTENANCE HATCH**
[54] **ROBOT PORTIQUE DE TRI DE DECHETS COMPRENANT UNE TRAPPE DE MAINTENANCE INTEGREE**
[72] TAALAS, TIMO, FI
[72] FAARINEN, AKU, FI
[71] ZENROBOTICS OY, FI
[85] 2020-10-20
[86] 2019-04-18 (PCT/FI2019/050321)
[87] (WO2019/207203)
[30] SE (1830139-0) 2018-04-22

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[51] **Int.Cl. B65D 5/02 (2006.01) B65D 5/10 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **SHIPPING BOX**
[54] **BOITE D'EXPEDITION**
[72] LOPEZ MASAGUE, MANUEL, ES
[71] EMBALAJES CAPSA, S.L., ES
[85] 2020-10-20
[86] 2019-04-26 (PCT/EP2019/060761)
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[51] **Int.Cl. B01J 19/08 (2006.01) C10G 15/08 (2006.01) C10G 47/22 (2006.01)**
[25] EN
[54] **SUBMERGED METHANE AND HYDROGEN MIXTURE DISCHARGE IN LIQUID HYDROCARBONS**
[54] **DECHARGE DE MELANGE DE METHANE ET D'HYDROGENE SUBMERGE DANS DES HYDROCARBURES LIQUIDES**
[72] STAACK, DAVID, US
[72] WANG, KUNPENG, US
[71] THE TEXAS A & M UNIVERSITY SYSTEM, US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028342)
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[30] US (62/660,725) 2018-04-20

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[51] **Int.Cl. C04B 18/02 (2006.01) C04B 20/10 (2006.01)**
[25] EN
[54] **GRANULES**
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[72] SKORINA, TAISIYA, US
[72] EVERMAN, REBECCA L. A., US
[72] TANGEMAN, JEAN A., US
[72] BROWN, ROBERT P., US
[72] BUDD, KENTON D., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-10-20
[86] 2019-03-19 (PCT/IB2019/052224)
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[51] **Int.Cl. B25J 13/08 (2006.01) B07C 5/36 (2006.01) B25J 9/00 (2006.01) B25J 15/06 (2006.01) B65G 47/91 (2006.01)**
[25] EN
[54] **WASTE SORTING ROBOT**
[54] **ROBOT DE TRI DE DECHETS**
[72] HOLOPAINEN, HARRI, FI
[72] LUKKA, TUOMAS, FI
[71] ZENROBOTICS OY, FI
[85] 2020-10-20
[86] 2019-04-18 (PCT/FI2019/050322)
[87] (WO2019/215384)
[30] SE (1830158-0) 2018-05-11

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[13] A1
[51] **Int.Cl. H04M 3/42 (2006.01) H04M 3/51 (2006.01) H04M 11/04 (2006.01)**
[25] EN
[54] **EXPEDITED DISPATCH PROTOCOL SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE PROTOCOLE DE REPARTITION EXPEDIEE**
[72] CLAWSON, JEFFREY, US
[71] CLAWSON, JEFFREY, US
[85] 2020-10-19
[86] 2019-04-19 (PCT/US2019/028347)
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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/496 (2006.01) A61P 7/02 (2006.01) C07D 211/14 (2006.01) C07D 241/04 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01) C07D 405/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **FACTOR XIIA INHIBITORS**
[54] **INHIBITEURS DU FACTEUR XIIA**
[72] PHILIPPOU, HELEN, GB
[72] FOSTER, RICHARD, GB
[72] FISHWICK, COLIN, GB
[72] REVILL, CHARLOTTE, GB
[72] YULE, IAN, GB
[72] TAYLOR, ROGER, GB
[72] NAYLOR, ALAN, GB
[72] FALLON, PHILIP SPENCER, GB
[72] CROSBY, STUART, GB
[72] HOPKINS, ANNA, GB
[72] STEWART, MARK RICHARD, GB
[72] WINFIELD, NATALIE LOUISE, GB
[71] UNIVERSITY OF LEEDS, GB
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[86] 2019-04-29 (PCT/GB2019/051180)
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[30] GB (1807014.4) 2018-04-30

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[51] **Int.Cl. C07K 14/585 (2006.01) A61K 47/68 (2017.01) A61K 38/17 (2006.01) A61P 3/00 (2006.01) C07K 14/47 (2006.01) C07K 14/575 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **THIOETHER CYCLIC PEPTIDE AMYLIN RECEPTOR MODULATORS**
[54] **MODULATEURS DU RECEPTEUR DE L'AMYLINE DE PEPTIDE CYCLIQUE THIOETHER**
[72] HINKE, SIMON, US
[72] JIAN, WENYING, US
[72] PATCH, RAYMOND, US
[72] ZHANG, RUI, US
[72] ZHENG, SONGMAO, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2020-10-20
[86] 2019-04-17 (PCT/IB2019/053194)
[87] (WO2019/207427)
[30] US (62/662,492) 2018-04-25

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[13] A1
[51] **Int.Cl. G06T 19/20 (2011.01) G06N 3/04 (2006.01)**
[25] EN
[54] **AUTOMATED CORRECTION OF METAL AFFECTED VOXEL REPRESENTATIONS OF X-RAY DATA USING DEEP LEARNING TECHNIQUES**
[54] **CORRECTION AUTOMATISEE DE REPRESENTATIONS PAR VOXELS AFFECTES PAR UN METAL DE DONNEES DE RAYONS X A L'AIDE DE TECHNIQUES D'APPRENTISSAGE PROFOND**
[72] CLAESSEN, FRANK THEODORUS CATHARINA, NL
[72] PARINUSSA, SARAH ANNE, NL
[72] ANSSARI MOIN, DAVID, NL
[71] PROMATON HOLDING B.V., NL
[85] 2020-10-20
[86] 2019-04-26 (PCT/EP2019/060813)
[87] (WO2019/207144)
[30] EP (18169651.9) 2018-04-26

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[13] A1
[51] **Int.Cl. A61G 5/00 (2006.01) A47C 7/38 (2006.01) A61G 5/08 (2006.01) A61G 5/12 (2006.01)**
[25] EN
[54] **HEAD SUPPORT ASSEMBLY AND SUPPORT UNIT**
[54] **ENSEMBLE DE SUPPORT DE TETE ET UNITE DE SUPPORT**
[72] COHEN GAZIT, BEN, IL
[72] SHAHAM, KALMAN, IL
[72] LIBRUS, MICHAEL, IL
[71] HEADOVATIONS LTD., IL
[85] 2020-10-20
[86] 2019-04-21 (PCT/IL2019/050456)
[87] (WO2019/207580)
[30] IL (258832) 2018-04-22

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[13] A1
[51] **Int.Cl. B23P 19/06 (2006.01) B23K 11/14 (2006.01)**
[25] EN
[54] **FEEDING ROD FOR SHAFT-SHAPED COMPONENT AND FEEDING METHOD**
[54] **TIGE D'ALIMENTATION POUR PIECE DE TYPE ARBRE, ET PROCEDE D'ALIMENTATION**
[72] AOYAMA, SHOJI, JP
[72] AOYAMA, YOSHITAKA, JP
[71] AOYAMA, SHOJI, JP
[85] 2020-10-20
[86] 2019-03-29 (PCT/JP2019/014139)
[87] (WO2019/220793)
[30] JP (2018-107262) 2018-05-17

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[13] A1
[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/429 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **1-IMIDAZOTHIADIAZOLO-2H-PYRROL-5-ONE DERIVATIVES**
[54] **DERIVES DE 1-IMIDAZOTHIADIAZOLO-2H-PYRROL-5-ONE**
[72] CHANTEUX, HUGUES, BE
[72] QUESNEL, YANNICK, BE
[72] DELATOUR, CLAUDE, BE
[72] PROVINS, LAURENT, BE
[71] UCB BIOPHARMA SRL, BE
[85] 2020-10-20
[86] 2019-05-06 (PCT/EP2019/061498)
[87] (WO2019/215062)
[30] EP (18171130.0) 2018-05-08

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[13] A1
[51] **Int.Cl. A61B 17/04 (2006.01) A61B 17/06 (2006.01) A61B 17/062 (2006.01)**
[25] EN
[54] **NEEDLE-SUTURE COMBINATION, NEEDLE HOLDER AND SURGICAL SUTURE APPARATUS**
[54] **COMBINAISON AIGUILLE-SUTURE, PORTE-AIGUILLE ET APPAREIL DE SUTURE CHIRURGICALE**
[72] VRANCKEN PEETERS, MARK-PAUL FRANCISCUS MARIA, NL
[71] MELLON MEDICAL B.V., NL
[85] 2020-10-20
[86] 2019-04-25 (PCT/NL2019/050242)
[87] (WO2019/209108)
[30] NL (2020824) 2018-04-25

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[13] A1
[51] **Int.Cl. C05D 9/02 (2006.01) C05C 7/00 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **TIME-RELEASE MOLYBDENUM FERTILIZER**
[54] **ENGRAIS A BASE DE MOLYBDENE A LIBERATION PROLONGEE**
[72] MARTIN, ELLIOTT, US
[72] GEIGER, ROBERT A., US
[72] GOODWIN, MARK, CA
[71] COMPASS MINERALS USA INC., US
[85] 2020-10-20
[86] 2018-05-03 (PCT/US2018/030926)
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[30] US (15/959,772) 2018-04-23

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[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR SKILL-BASED WAGERING GAMES WITH PROGRAMMATICALLY-VARIABLE-RANDOMNESS**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES POUR DES JEUX DE PARI BASES SUR L'HABILETE AYANT UN CARACTERE ALEATOIRE POUVANT VARIER PAR PROGRAMMATION**
[72] OBERBERGER, MICHAEL, US
[72] BUSHNELL, NOLAN, US
[71] SYNERGY BLUE, LLC, US
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[25] EN
[54] **WEARABLE OPEN AND ADJUSTABLE MRI HEAD COIL**
[54] **BOBINE POUR LA TETE POUR IRM PORTABLE, OUVERTE ET REGLABLE**
[72] RHEINECK, THOMAS J., US
[72] JENSEN, MARK, US
[72] LANCIAL, MICHAEL, US
[72] THOMPSON, GRANT, US
[72] RICORD, LEON, US
[72] MARTINEZ, JUAN, US
[72] BUSHEY, ROBERT, US
[72] FABIAN, BRIAN, US
[72] TRAN, KHAI, US
[72] TANENBAUM, LAWRENCE M.D., US
[71] MR INSTRUMENTS, INC., US
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[25] EN
[54] **ANTIFUNGAL SOLUTION AND FOOT WIPE**
[54] **SOLUTION ANTIFONGIQUE ET LINGETTE DE PIED**
[72] VILLARREAL, JESSE JR., US
[72] MURPHY, CAROLYN SHAWN, US
[71] PELLI SKIN CO., LLC, US
[85] 2020-10-20
[86] 2019-03-14 (PCT/US2019/022286)
[87] (WO2019/178366)
[30] US (62/643,627) 2018-03-15
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[25] EN
[54] **COOKING SYSTEM**
[54] **SYSTEME DE CUISSON**
[72] RANA, GIAN LUCA, IT
[71] PASTIFICIO RANA S.P.A., IT
[85] 2020-10-20
[86] 2019-04-24 (PCT/IB2019/053390)
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[30] IT (102018000004842) 2018-04-24

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[25] EN
[54] **IMPROVED METHOD OF MAKING CARBON MOLECULAR SIEVE MEMBRANES**
[54] **PROCEDE AMELIORE DE FABRICATION DE MEMBRANES EN TAMIS MOLECULAIRE CARBONE**
[72] VAUGHN, JUSTIN T., US
[72] QIU, WULIN, US
[72] KOROS, WILLIAM J., US
[72] XU, LIREN, US
[72] BRAYDEN, MARK K., US
[72] MARTINEZ, MARCOS V., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2020-10-20
[86] 2019-04-03 (PCT/US2019/022848)
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[51] **Int.Cl. C07D 231/18 (2006.01) A61K 31/415 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **A SODIUM SALT OF N-((1,2,3,5,6,7-HEXAHYDRO-S-INDACEN-4-YL)CARBAMOYL)-1 - ISOPROPYL-1 H-PYRAZOLE-3-SULFONAMIDE**
[54] **SEL DE SODIUM DE N-((1,2,3,5,6,7-HEXAHYDRO-S-INDACEN-4-YL)CARBAMOYL)-1 - ISOPROPYL-1 H-PYRAZOLE-3-SULFONAMIDE**
[72] MILLER, DAVID, GB
[72] MACLEOD, ANGUS, GB
[72] DEL RIO GANCEDO, SUSANA, GB
[72] STRATFORD, SAMUEL ALEXANDER, GB
[71] INFLAZOME LIMITED, IE
[85] 2020-10-20
[86] 2019-04-23 (PCT/EP2019/060311)
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[30] GB (1806578.9) 2018-04-23

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[51] **Int.Cl. B01D 67/00 (2006.01) B01D 53/22 (2006.01) B01D 71/02 (2006.01)**
[25] EN
[54] **IMPROVED METHOD OF MAKING CARBON MOLECULAR SIEVE MEMBRANES**
[54] **PROCEDE AMELIORE DE FABRICATION DE MEMBRANES DE TAMIS MOLECULAIRE EN CARBONE**
[72] XU, LIREN, US
[72] FITZGIBBONS, THOMAS, US
[72] BRAYDEN, MARK K., US
[72] MARTINEZ, MARCOS V., US
[72] KOROS, WILLIAM J., US
[72] QIU, WULIN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] GEORGIA TECH RESEARCH CORPORATION, US
[85] 2020-10-20
[86] 2019-04-03 (PCT/US2019/022852)
[87] (WO2019/212648)
[30] US (62/665,849) 2018-05-02
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[51] **Int.Cl. C01G 23/08 (2006.01) B01J 35/00 (2006.01)**
[25] EN
[54] **NITROGEN-DOPED TIO2 NANOPARTICLES AND THE USE THEREOF IN PHOTOCATALYSIS**
[54] **NANOPARTICULES DE TIO2 DOPE A L'AZOTE ET LEUR UTILISATION DANS LA PHOTOCATALYSE**
[72] BALDI, GIOVANNI, IT
[72] NICCOLAI, LAURA, IT
[72] BITOSSI, MARCO, IT
[72] DAMI, VALENTINA, IT
[72] CIONI, ANDREA, IT
[71] COLOROBBIA CONSULTING S.R.L., IT
[85] 2020-10-20
[86] 2019-05-02 (PCT/IB2019/053592)
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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 36/16 (2006.01) A61K 36/18 (2006.01) A61K 36/185 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR TREATING FEMALE SEXUAL DYSFUNCTION**
[54] **COMPOSITIONS POUR LE TRAITEMENT D'UN DYSFONCTIONNEMENT SEXUEL FEMININ**
[72] LOSA DOMINGUEZ, FERNANDO, ES
[72] PALACIOS, SANTIAGO, ES
[72] GASLAIN, YANN, ES
[71] PROCARE HEALTH IBERIA, S.L., ES
[85] 2020-10-20
[86] 2019-04-23 (PCT/EP2019/060337)
[87] (WO2019/206888)
[30] EP (18382276.6) 2018-04-24

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[51] **Int.Cl. E06B 9/24 (2006.01) E06B 3/67 (2006.01) E06B 9/264 (2006.01) H01L 31/0392 (2006.01)**
[25] EN
[54] **ELECTRIC POTENTIALLY-DRIVEN SHADE WITH CIGS SOLAR CELL AND METHOD OF MAKING THE SAME**
[54] **STORE A ENTRAINEMENT POTENTIELLEMENT ELECTRIQUE AVEC CELLULE SOLAIRE CIGS ET SON PROCEDE DE FABRICATION**
[72] BLUSH, JASON, US
[72] PETRMICHL, RUDOLPH, US
[72] FREY, TIMOTHY, US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-10-20
[86] 2019-07-05 (PCT/IB2019/055758)
[87] (WO2020/008432)
[30] US (16/028,705) 2018-07-06

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[13] A1
[51] **Int.Cl. E06B 9/24 (2006.01)**
[25] EN
[54] **ELECTRIC POTENTIALLY-DRIVEN SHADE INCLUDING SHUTTER SUPPORTING SURFACE-MODIFIED CONDUCTIVE COATING, METHODS OF MAKING THE SAME AND METHOD OF OPERATING THE SAME**
[54] **STORE ELECTRIQUE A ALIMENTATION PAR POTENTIEL COMPRENANT UN OCCULTANT PORTANT UN REVETEMENT CONDUCTEUR MODIFIE EN SURFACE, SES PROCEDES DE FABRICATION ET SON PROCEDE DE FONCTIONNEMENT**
[72] BLUSH, JASON, US
[72] FREY, TIMOTHY, US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-10-20
[86] 2019-07-05 (PCT/IB2019/055762)
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[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01)**
[25] EN
[54] **MIR-181 INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE MIR-181 ET LEURS UTILISATIONS**
[72] BANFI, SANDRO, IT
[72] FRANCO, BRUNELLA, IT
[72] INDRIERI, ALESSIA, IT
[72] CARRELLA, SABRINA, IT
[71] FONDAZIONE TELETHON, IT
[85] 2020-10-20
[86] 2019-04-23 (PCT/EP2019/060348)
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[25] EN
[54] **NONWOVEN WITH TWO-PART BINDER SYSTEM**
[54] **NON-TISSE A SYSTEME DE LIANT EN DEUX PARTIES**
[72] WU, TONY, US
[71] OCV INTELLECTUAL CAPITAL, LLC, US
[85] 2020-10-20
[86] 2019-04-16 (PCT/US2019/027580)
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[30] US (62/673,374) 2018-05-18

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[51] **Int.Cl. C09D 5/00 (2006.01) C09D 5/18 (2006.01) C09D 127/00 (2006.01) C09G 1/16 (2006.01) D06M 15/256 (2006.01)**
[25] EN
[54] **VEHICLE INTERIOR PROTECTIVE COATING**
[54] **REVETEMENT DE PROTECTION D'INTERIEUR DE VEHICULE**
[72] DEDDO, MICHAEL ANTHONY, US
[71] ECP INCORPORATED, US
[85] 2020-10-20
[86] 2019-04-19 (PCT/US2019/028218)
[87] (WO2019/204673)
[30] US (62/660,596) 2018-04-20
[30] US (16/387,685) 2019-04-18

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[13] A1
[51] **Int.Cl. C09D 5/00 (2006.01) C08L 83/08 (2006.01) C09D 5/02 (2006.01)**
[25] EN
[54] **VEHICLE EXTERIOR PROTECTIVE COATING**
[54] **REVETEMENT PROTECTEUR EXTERIEUR DE VEHICULE**
[72] DEDDO, MICHAEL ANTHONY, US
[71] ECP INCORPORATED, US
[85] 2020-10-20
[86] 2019-04-19 (PCT/US2019/028223)
[87] (WO2019/204676)
[30] US (62/660,678) 2018-04-20
[30] US (16/387,767) 2019-04-18

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[51] **Int.Cl. H04B 7/06 (2006.01) H04W 16/28 (2009.01) H04W 72/04 (2009.01) H04B 7/08 (2006.01) H04L 5/00 (2006.01)**
[25] EN
[54] **CROSS-CARRIER SPATIAL RELATION INDICATION FOR SEMI-PERSISTENT SOUNDING REFERENCE SIGNAL (SP-SRS) RESOURCES**
[54] **INDICATION DE RELATION SPATIALE INTER-PORTEUSES DESTINEE A DES RESSOURCES DE SIGNAL DE REFERENCE SONORE SEMI-PERSISTANT (SP-SRS)**
[72] GRANT, STEPHEN, US
[72] FAXER, SEBASTIAN, SE
[72] TIDESTAV, CLAES, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2020-10-20
[86] 2019-04-01 (PCT/SE2019/050295)
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[51] **Int.Cl. A61B 34/10 (2016.01) A61B 34/00 (2016.01) A61B 34/20 (2016.01) A61B 17/00 (2006.01)**
[25] EN
[54] **METHODS AND KITS FOR OPTIMIZATION OF NEUROSURGICAL INTERVENTION SITE**
[54] **PROCEDES ET KITS POUR L'OPTIMISATION DE SITE D'INTERVENTION NEUROCHIRURGICALE**
[72] ZAHID, ABDULLAH BIN, US
[72] SAMADANI, UZMA, US
[71] ZAHID, ABDULLAH BIN, US
[71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
[71] HENNEPIN HEALTHCARE SYSTEM, INC., US
[85] 2020-10-20
[86] 2019-04-19 (PCT/US2019/028333)
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[30] US (62/660,717) 2018-04-20

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[51] **Int.Cl. C12N 15/86 (2006.01) A61K 38/17 (2006.01) A61K 38/45 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C07K 14/47 (2006.01) C12N 7/01 (2006.01) C12N 9/12 (2006.01) C12N 15/12 (2006.01) C12N 15/54 (2006.01) C12N 15/85 (2006.01) C12N 15/869 (2006.01)**
[25] EN
[54] **RECOMBINANT VIRAL VECTOR AND USES THEREOF**
[54] **VECTEUR VIRAL RECOMBINANT ET SES UTILISATIONS**
[72] BARBER, GLEN N., US
[71] UNIVERSITY OF MIAMI, US
[85] 2020-10-20
[86] 2019-03-26 (PCT/US2019/024039)
[87] (WO2019/191070)
[30] US (62/648,096) 2018-03-26

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[51] **Int.Cl. G05D 1/00 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **DYNAMIC VIRTUAL VEHICLE DETECTION AND ADAPTIVE TRAFFIC MANAGEMENT SYSTEM**
[54] **DETECTION DE VEHICULE VIRTUEL DYNAMIQUE ET SYSTEME DE GESTION DE TRAFIC ADAPTATIF**
[72] NGUYEN, DAVID H., US
[71] THRUGREEN, LLC, US
[85] 2020-10-20
[86] 2019-04-22 (PCT/US2019/028440)
[87] (WO2019/204801)
[30] US (62/660,940) 2018-04-21
[30] US (62/765,280) 2018-08-31

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[51] **Int.Cl. C22C 14/00 (2006.01) C22F 1/18 (2006.01)**
[25] EN
[54] **HIGH STRENGTH TITANIUM ALLOYS**
[54] **ALLIAGES DE TITANE A RESISTANCE ELEVEE**
[72] GARCIA-AVILA, MATIAS, US
[72] MANTIONE, JOHN V., US
[72] ARNOLD, MATTHEW J., US
[71] ATI PROPERTIES LLC, US
[85] 2020-10-20
[86] 2019-03-28 (PCT/US2019/024574)
[87] (WO2019/217006)
[30] US (15/972,319) 2018-05-07

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[13] A1
[51] **Int.Cl. A61L 2/28 (2006.01)**
[25] EN
[54] **STERILIZATION PROCESS CHALLENGE PACK**
[54] **PAQUET D'EVALUATION DE PROCESSUS DE STERILISATION**
[72] BALA, HARRY, US
[71] AMERICAN STERLIZER COMPANY, US
[85] 2020-10-20
[86] 2019-04-08 (PCT/US2019/026262)
[87] (WO2019/199636)
[30] US (15/949,756) 2018-04-10

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[13] A1
[51] **Int.Cl. C12N 5/00 (2006.01) C12N 15/10 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **FUSION PROTEINS AND FUSION RIBONUCLEIC ACIDS FOR TRACKING AND MANIPULATING CELLULAR RNA**
[54] **PROTEINES DE FUSION ET ACIDES RIBONUCLEIQUES DE FUSION POUR LE SUIVI ET LA MANIPULATION D'ARN CELLULAIRE**
[72] YEO, EUGENE, US
[72] TAN, FREDERICK, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-10-20
[86] 2019-04-22 (PCT/US2019/028580)
[87] (WO2019/204828)
[30] US (62/660,849) 2018-04-20
[30] US (62/665,860) 2018-05-02

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[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01) A61K 31/191 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING T CELL POPULATIONS USING HYDROXYCITRIC ACID AND/OR A SALT THEREOF**
[54] **PROCEDES DE PRODUCTION DE POPULATIONS DE LYMPHOCYTES T FAISANT APPEL A DE L'ACIDE HYDROXYCITRIQUE ET/OU A UN SEL DE CELUI-CI**
[72] VODNALA, SUMAN KUMAR, US
[72] RESTIFO, NICHOLAS P., US
[72] KISHTON, RIGEL J., US
[72] EIL, ROBERT L., US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2020-10-20
[86] 2019-04-22 (PCT/US2019/028513)
[87] (WO2019/209715)
[30] US (62/661,941) 2018-04-24

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[13] A1
[51] **Int.Cl. H01Q 3/36 (2006.01)**
[25] EN
[54] **COMPACT ANTENNA PHASE SHIFTER WITH SIMPLIFIED DRIVE MECHANISM**
[54] **DEPHASEUR D'ANTENNE COMPACT A MECANISME D'ENTRAINEMENT SIMPLIFIE**
[72] LITTEER, ANDREW, US
[71] JOHN MEZZALINGUA ASSOCIATES, LLC, US
[85] 2020-10-20
[86] 2019-04-23 (PCT/US2019/028702)
[87] (WO2019/209815)
[30] US (62/661,230) 2018-04-23

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 7/00 (2006.01) G06K 17/00 (2006.01)**
[25] EN
[54] **RFID BASED SEQUENCING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SEQUENCEMENT BASES SUR LA RFID**
[72] HORVAT, DAVID, US
[71] REAL TIME INTEL, LLC, US
[85] 2020-10-20
[86] 2019-04-22 (PCT/US2019/028442)
[87] (WO2019/204802)
[30] US (62/660,671) 2018-04-20

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[13] A1
[51] **Int.Cl. C07K 14/705 (2006.01) C12N 9/22 (2006.01) C12N 15/10 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **AUTOMATED INSTRUMENTATION FOR PRODUCTION OF T-CELL RECEPTOR PEPTIDE LIBRARIES**
[54] **INSTRUMENTATION AUTOMATISEE POUR LA PRODUCTION DE BANQUES PEPTIDIQUES DE RECEPTEURS DE LYMPHOCYTES T**
[72] FEDEROWICZ, STEPHEN, US
[72] CHURCH, DEANNA, US
[72] GRAIGE, MICHAEL, US
[71] INSCRIPTA, INC., US
[85] 2020-10-20
[86] 2019-04-24 (PCT/US2019/028821)
[87] (WO2019/209895)
[30] US (62/662,126) 2018-04-24
[30] US (62/671,266) 2018-05-14

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[13] A1
[51] **Int.Cl. G01K 1/10 (2006.01) G01K 7/02 (2006.01) G01K 15/00 (2006.01)**
[25] EN
[54] **GAS IMPERMEABLE TEMPERATURE SENSOR PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION DE CAPTEUR DE TEMPERATURE IMPERMEABLE AUX GAZ**
[72] HOTARD, CARSON, US
[72] WELCH, LARRY, US
[72] SAVAYA, IAN, US
[72] LITTEAUR, RAYMOND, US
[71] DAILY THERMETRICS CORPORATION, US
[85] 2020-10-20
[86] 2019-04-23 (PCT/US2019/028707)
[87] (WO2019/209818)
[30] US (62/661,196) 2018-04-23
[30] US (62/801,457) 2019-02-05

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **NLRP3 MODULATORS**
[54] **MODULATEURS DE NLRP3**
[72] ZHANG, YONG, US
[72] GAVAI, ASHVINIKUMAR V., US
[72] DONNELL, ANDREW F., US
[72] GHOSH, SHOMIR, US
[72] ROUSH, WILLIAM R., US
[72] SIVAPRAKASAM, PRASANNA, US
[72] SEITZ, STEVEN P., US
[72] MARKWALDER, JAY A., US
[71] INNATE TUMOR IMMUNITY, INC., US
[85] 2020-10-20
[86] 2019-04-24 (PCT/US2019/028823)
[87] (WO2019/209896)
[30] US (62/662,240) 2018-04-25
[30] US (62/764,818) 2018-08-16
[30] US (62/825,044) 2019-03-28

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[13] A1
[51] **Int.Cl. G07C 9/00 (2020.01) G06F 3/01 (2006.01)**
[25] EN
[54] **PRESTAGING, GESTURE-BASED, ACCESS CONTROL SYSTEM**
[54] **SYSTEME DE CONTROLE D'ACCES SUR LA BASE D'EVENEMENT ANNONCIATEUR ET DE GESTES**
[72] TIWARI, ANKIT, US
[72] FERNANDEZ-ORELLANA, PEDRO, CN
[72] SRIVASTAVA, KUNAL, US
[72] O'NEILL, PAUL C., US
[72] KUENZI, ADAM, US
[71] CARRIER CORPORATION, US
[85] 2020-10-20
[86] 2019-04-25 (PCT/US2019/029042)
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[30] CN (201810398169.5) 2018-04-27

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[13] A1
[51] **Int.Cl. C07K 5/06 (2006.01) C07K 16/44 (2006.01)**
[25] EN
[54] **HUMAN-DERIVED ANTI-(POLY-GA) DIPEPTIDE REPEAT (DPR) ANTIBODY**
[54] **ANTICORPS ANTI-(POLY-GA) DIRIGE CONTRE DES REPETITIONS DIPEPTIDIQUES (DPR) D'ORIGINE HUMAINE**
[72] GRIMM, JAN, CH
[72] MONTRASIO, FABIO, CH
[72] DALKILIC-LIDDLE, ISIN, US
[72] RUSHE, MIA MARIE, US
[72] ARNDT, JOSEPH WALTER, US
[71] BIOGEN MA INC., US
[71] NEURIMMUNE AG, CH
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[54] **METHODES ET SYSTEMES DE CARACTERISATION DE MALADIE DE CROHN GRAVE**
[72] MCGOVERN, DERMOT P., US
[72] LI, DALIN, US
[72] GU, PHILLIP, US
[72] DUBE, SHISHIR, US
[71] CEDARS-SINAI MEDICAL CENTER, US
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[54] **ABCB5 LIGANDS AND SUBSTRATES**
[54] **LIGANDS ABCB5 ET SUBSTRATS**
[72] FRANK, MARKUS H., US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
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[54] **METHOD FOR PROVIDING SUBSTRATE COATED WITH A CURED DAMPING COATING AND COATED SUBSTRATE SO PROVIDED**
[54] **PROCEDE D'OBTENTION D'UN SUBSTRAT REVETU D'UN REVETEMENT D'AMORTISSEMENT DURCI ET SUBSTRAT REVETU AINSI OBTENU**
[72] DRUMRIGHT, RAY E., US
[72] FU, ZHENWEN, US
[72] GIMBAL, JUSTIN, US
[72] GORIN, CRAIG F., US
[72] JIN, XIN, US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[71] ROHM AND HAAS COMPANY, US
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[54] **ASSISTANCE MOTORISEE AMOVIBLE POUR FAUTEUIL ROULANT MANUEL**
[72] PESKIN, EVAN, US
[72] NAGAR, VIVEK, US
[72] WILSON, AUDREY, US
[72] SLAVIN, JONATHAN, US
[71] RODA FUTURA, LLC, US
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[54] **METHODS AND COMPOSITIONS OF CYTOTOXIC T CELL DEPLETION**
[54] **PROCEDES ET COMPOSITIONS D'EPUISEMENT DE LYMPHOCYTES T CYTOTOXIQUES**
[72] STANKOVICH, BASHA, US
[71] CRISPR THERAPEUTICS AG, CH
[71] BAYER HEALTHCARE LLC, US
[85] 2020-10-20
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[54] **METHODS FOR TREATING PATIENTS WITH CANCER HAVING DEFECTS IN CYCLIN D REGULATION**
[54] **PROCEDES DE TRAITEMENT DE PATIENTS ATTEINTS D'UN CANCER AYANT DES DEFICIENCES DE LA REGULATION DE LA CYCLINE D**
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[71] NYSNOBIO IRELAND DAC, IE
[85] 2020-10-20
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[54] **VECTEURS CHIMERIQUES**
[72] COLLINS, PETER L., US
[72] BROCK, LINDA G., US
[72] MUNIR, SHIRIN, US
[72] BUCHHOLZ, URSULA J., US
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[54] **CATHETERIZATION PACKAGES AND METHODS THEREOF**
[54] **EMBALLAGES DE CATHETERISATION ET PROCEDES ASSOCIES**
[72] KNAPP, TRACEY E., US
[72] REHM, ERIC, US
[72] AUSTERMAN, NICK, US
[72] SKELTON, SARAH, US
[72] BUNN, CAROLINE, US
[72] HINE, ROBERT M., US
[72] DAVIS, BRANDT, US
[71] C.R. BARD, INC., US
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[54] **PACKAGING APPARATUS AND SYSTEM**
[54] **APPAREIL ET SYSTEME D'EMBALLAGE**
[72] HOLDERMAN, MARK, US
[72] RUSSELL, GREGORY AUGUST, US
[71] MPI, LLC, US
[85] 2020-10-20
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[54] **DEVICES AND METHODS FOR CRIMPING PROSTHETIC IMPLANTS**
[54] **DISPOSITIFS ET PROCEDES DE SERTISSAGE D'IMPLANTS PROTHETIQUES**
[72] TAMIR, ILAN, US
[72] RAJPARA, VIPUL P., US
[72] ROTH, JONATHAN, IL
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **ADVANCED SHEATH PATTERNS**
[54] **MODELES DE GAINE AVANCES**
[72] GOLDBERG, ERAN, US
[72] TAYEB, LIRON, IL
[72] MAIMON, DAVID, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **INTERACTIVE APPLICATION ADAPTED FOR USE BY MULTIPLE USERS VIA A DISTRIBUTED COMPUTER-BASED SYSTEM**
[54] **APPLICATION INTERACTIVE CONCUE POUR ETRE UTILISEE PAR DE MULTIPLES UTILISATEURS AU MOYEN D'UN SYSTEME INFORMATIQUE DISTRIBUE**
[72] DIGIANTOMASSO, JOHN, US
[72] COHEN, MARTIN L., US
[71] BREAKTHROUGH PERFORMANCETECH, LLC, US
[85] 2020-10-20
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[54] **SYSTEME DE PRE-COMPRESSION POUR PRE-COMPRESSION D'UNE STRUCTURE**
[72] SUBACCHI, CLAUDIO, US
[72] FERRI, GIOVANNI, IT
[71] FSC TECHNOLOGIES LLC, US
[85] 2020-10-20
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[25] EN
[54] **ENCLOSURE FOR A WEARABLE ACOUSTIC MONITORING DEVICE**
[54] **ENCEINTE**
[72] SYED, ANASA IMTIAZ, GB
[72] RODRIGUEZ-VILLEGAS, ESTHER, GB
[72] BOWYER, STUART, GB
[71] ACURABLE LIMITED, GB
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[30] GB (1808523.3) 2018-05-24

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[54] **SMART CONNECTOR FOR A MEDICAL DEVICE**
[54] **CONNECTEUR INTELLIGENT DESTINE A UN DISPOSITIF MEDICAL**
[72] BIEWER, JOHN AARON, US
[72] PLAHEY, KULWINDER S., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-10-14
[86] 2019-04-23 (PCT/US2019/028620)
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[25] EN
[54] **MODIFICATION OF GLUTAMINE SYNTHETASE TO IMPROVE YIELD IN PLANTS**
[54] **MODIFICATION DE LA GLUTAMINE SYNTHETASE POUR AMELIORER LE RENDEMENT DES PLANTES**
[72] BASS, STEVEN HENRY, US
[72] BERMUDEZ, ERICKA, US
[72] HOU, ZHENGLIN, US
[72] LAWIT, SHAI, US
[72] SANDOVAL, MARIAN BEECHER, US
[72] SHEN, BO, US
[72] THELEN, PETER, US
[72] WANG, YANG, US
[72] WILLIAMS, ROBERT W, US
[72] WU, JINGRUI, US
[72] ZHANG, JUN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[86] 2019-05-20 (PCT/US2019/033130)
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[25] EN
[54] **METHODS FOR EVALUATING SUITABILITY OF A BIOCHEMICAL FILTER**
[54] **PROCEDES D'EVALUATION DE L'ADEQUATION D'UN FILTRE BIOCHIMIQUE**
[72] MAO, NATHAN, US
[72] CRUZ, ANNAMARIE, US
[72] SCHILLING, BERNHARD, US
[72] CARVER, SCOTT, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-10-20
[86] 2019-04-26 (PCT/US2019/029268)
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[54] **CAR FC-EPSILON**
[72] BOISSEL, LAURENT H., US
[72] KLINGEMANN, HANS G., US
[72] DANDAPAT, ABHIJIT, US
[72] CHINNAPEN, HIMANI, US
[71] NANTKWEST, INC., US
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[54] **ELASTOMER COMPOSITE INCLUDING ALGAE BIOMASS FILLER**
[54] **COMPOSITE ELASTOMERE COMPRENANT UNE CHARGE DE BIOMASSE D'ALGUES**
[72] ZELLER, MARK ASHTON, US
[71] ALGIX, LLC, US
[85] 2020-10-20
[86] 2019-04-26 (PCT/US2019/029461)
[87] (WO2019/210244)
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[51] **Int.Cl. H02K 7/116 (2006.01) H02K 1/27 (2006.01) H02K 21/14 (2006.01)**
[25] EN
[54] **ROTATIONALLY BALANCED ELECTRIC MOTOR WITH AIR-CORE STATOR COILS**
[54] **MOTEUR ELECTRIQUE EQUILIBRE EN ROTATION AVEC BOBINES DE STATOR A NOYAU D'AIR**
[72] SHLAKHETSKI, VICTOR, IL
[72] MOSTOVOY, ALEXANDER, IL
[71] INTELLITECH PTY LTD, AU
[85] 2020-10-21
[86] 2019-04-26 (PCT/AU2019/050375)
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[25] EN
[54] **RANDOM ACCESS METHOD, USER EQUIPMENT AND NETWORK SIDE DEVICE**
[54] **PROCEDE D'ACCES ALEATOIRE, EQUIPEMENT UTILISATEUR ET DISPOSITIF COTE RESEAU**
[72] LIU, YANG, CN
[72] LIU, LIANG, CN
[72] HU, NAN, CN
[72] LI, NAN, CN
[71] CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE, CN
[71] CHINA MOBILE COMMUNICATIONS GROUP CO., LTD., CN
[85] 2020-10-21
[86] 2019-04-30 (PCT/CN2019/085103)
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[54] **CLADDED VALVE SEAT, ASSEMBLY, AND METHODS FOR CLADDING SUCH SEAT**
[54] **SIEGE DE SOUPAPE REVETU, ASSEMBLAGE, ET PROCEDES DE REVETEMENT D'UN TEL SIEGE**
[72] BAYYOUK, JACOB A., US
[72] TSOPANOS, SOZON, GB
[71] S.P.M. FLOW CONTROL, INC., US
[85] 2020-10-20
[86] 2019-06-07 (PCT/US2019/035983)
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[51] **Int.Cl. A01N 27/00 (2006.01) A01N 25/02 (2006.01)**
[25] EN
[54] **METHOD OF CONTROLLING FUSARIUM ON POTATO USING LOWER ALKYL NAPHTHALENE**
[54] **PROCEDE DE LUTTE CONTRE LE FUSARIUM SUR LA POMME DE TERRE A L'AIDE DE NAPHTALENE A ALKYLE INFERIEUR**
[72] CAMPBELL, MICHAEL A., US
[72] WAXMAN, ADDIE, US
[72] FORSYTHE, JOHN M., US
[71] 1,4 GROUP, INC., US
[71] CAMPBELL, MICHAEL A., US
[71] WAXMAN, ADDIE, US
[71] FORSYTHE, JOHN M., US
[85] 2020-10-20
[86] 2019-04-26 (PCT/US2019/029462)
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[54] **MAGNETICALLY ATTACHABLE EYELASH PROSTHETIC SYSTEM AND RELATED METHODS**
[54] **SYSTEME PROTHETIQUE DE CILS POUVANT ETRE FIXE MAGNETIQUEMENT ET PROCEDES ASSOCIES**
[72] HUNTER, LAURA A., US
[71] HUNTER, LAURA A., US
[85] 2020-08-26
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[51] **Int.Cl. C01B 39/48 (2006.01) B01D 53/94 (2006.01) B01J 29/76 (2006.01)**
[25] EN
[54] **LOW-SILICA CHABAZITE ZEOLITES WITH HIGH ACIDITY**
[54] **ZEOLITE DE TYPE CHABAZITE A FAIBLE TENEUR EN SILICE AYANT UNE FORTE ACIDITE**
[72] LI, HONG-XIN, US
[72] PETUSHKOV, ANTON, US
[72] WANG, LIFENG, US
[72] MODEN, BJORN, US
[71] PQ CORPORATION, US
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[25] EN
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[54] **MELANGES DE REFRIGERANTS AYANT UN FAIBLE POTENTIEL DE RECHAUFFEMENT GLOBAL**
[72] ALLGOOD, CHARLES CLINTON, US
[72] MINOR, BARBARA HAVILAND, US
[71] THE CHEMOURS COMPANY FC, LLC, US
[85] 2020-10-20
[86] 2019-06-25 (PCT/US2019/038936)
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[30] US (62/691,490) 2018-06-28

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[54] **METHODS OF GENE THERAPY**
[54] **PROCEDES DE THERAPIE GENIQUE**
[72] GROMPE, MARKUS, US
[72] TIYABOONCHAI, AMITA, US
[71] OREGON HEALTH & SCIENCE UNIVERSITY, US
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[87] (WO2019/213065)
[30] US (62/664,932) 2018-04-30
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[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **METHODS FOR SELECTING TRANSFORMED PLANTS**
[54] **PROCEDES DE SELECTION DE PLANTES TRANSFORMEES**
[72] ANAND, AJITH, US
[72] CHO, HYEON-JE, US
[72] KLEIN, THEODORE M., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2020-10-20
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[30] US (62/691,120) 2018-06-28
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[25] EN
[54] **HIGH AFFINITY ANTIBODIES TO PD-1 AND LAG-3 AND BISPECIFIC BINDING PROTEINS MADE THEREFROM**
[54] **ANTICORPS A HAUTE AFFINITE DIRIGES CONTRE PD-1 ET LAG-3 ET PROTEINES DE LIAISON BISPECIFIQUES PRODUITES A PARTIR DE CEUX-CI**
[72] WU, XUAN, CN
[72] GONG, SHIYONG, CN
[72] WU, CHENGBIN, CN
[71] SHANGHAI EPIMAB BIOTHERAPEUTICS CO., LTD., CN
[85] 2020-10-21
[86] 2019-04-30 (PCT/CN2019/085164)
[87] (WO2019/210848)
[30] CN (PCT/CN2018/085468) 2018-05-03

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[51] **Int.Cl. E05F 3/20 (2006.01) E05D 7/086 (2006.01) E05D 11/08 (2006.01)**
[25] EN
[54] **A DAMPENED HINGE ASSEMBLY**
[54] **ENSEMBLE CHARNIERE AMORTI**
[72] FARRUGIA, NIKOLAUS, AU
[71] FARRUGIA, NIKOLAUS, AU
[85] 2020-10-21
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[30] AU (2018901508) 2018-05-03

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[13] A1
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[25] EN
[54] **SPRAY HEAD**
[54] **TETE DE PULVERISATION**
[72] YAO, PENGYUAN, AU
[71] PHOENIX INDUSTRIES PTY LTD, AU
[85] 2020-10-21
[86] 2019-05-07 (PCT/AU2019/050420)
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[51] **Int.Cl. H01F 29/02 (2006.01)**
[25] EN
[54] **MOLDED TAP CHANGER ASSEMBLIES AND METHODS FOR DRY-TYPE TRANSFORMERS**
[54] **ENSEMBLES CHANGEUR DE PRISE MOULES ET PROCEDES DESTINES A DES TRANSFORMATEURS DE TYPE SEC**
[72] NAVARRO, MARTIN ALSINA, BR
[72] MORENO, ANDRE LUIZ, BR
[72] WANG, YAOQIANG, CN
[72] ZHANG, YUQIAN, CN
[72] LU, XIAOFENG, CN
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] HAINAN JINPAN SMART TECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. C12M 1/00 (2006.01)**
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[54] **PRECHAMBER FOR CELL SEPARATOR**
[54] **PRECHAMBRE POUR SEPARATEUR DE CELLULES**
[72] JENNE, MARC, DE
[72] BROD, HELMUT, DE
[72] KAULING, JOERG, DE
[72] MOBUS, HELGE, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2020-10-21
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[87] (WO2019/206766)
[30] EP (18169131.2) 2018-04-24

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[51] **Int.Cl. A01H 1/04 (2006.01) C12N 9/14 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **PLANTS WITH IMPROVED DIGESTIBILITY AND MARKER HAPLOTYPES**
[54] **PLANTES PRESENTANT UNE DIGESTIBILITE ET DES HAPLOTYPES MARQUEURS AMELIORES**
[72] KLOIBER-MAITZ, MONIKA, DE
[72] BOLDUAN, THERESE, DE
[72] OUZUNOVA, MILENA, DE
[72] MEYER, NINA, DE
[72] LOPEZ-DURAN, CAROLINA, DE
[71] KWS SAAT SE & CO. KGAA, DE
[85] 2020-10-21
[86] 2019-04-24 (PCT/EP2019/060411)
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[30] EP (18169122.1) 2018-04-24

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[51] **Int.Cl. A23L 3/22 (2006.01) A23B 7/005 (2006.01) F28D 1/06 (2006.01) F28D 7/10 (2006.01) F28F 19/00 (2006.01) F28F 27/00 (2006.01) F28D 15/02 (2006.01) F28D 21/00 (2006.01)**
[25] EN
[54] **RECIRCULATION FLOW-LOOP BATCH REACTOR**
[54] **REACTEUR DISCONTINU A BOUCLE D'ECOULEMENT DE RECIRCULATION A ECHANGEUR DE CHALEUR EXTERNE**
[72] SANDU, CONSTANTINE, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-10-21
[86] 2019-04-18 (PCT/EP2019/060071)
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[30] US (62/686761) 2018-06-19

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[51] **Int.Cl. B29B 17/02 (2006.01) B07C 5/342 (2006.01)**
[25] EN
[54] **RECYCLING METHOD AND TAGGANT FOR A RECYCLABLE PRODUCT**
[54] **PROCEDE DE RECYCLAGE ET TRACEUR POUR UN PRODUIT RECYCLABLE**
[72] SUTTON, PHILIP, GB
[71] SUTTON, PHILIP, GB
[85] 2020-09-16
[86] 2019-03-21 (PCT/GB2019/050793)
[87] (WO2019/180438)
[30] GB (1804541.9) 2018-03-21
[30] GB (1809713.9) 2018-06-13
[30] GB (1816656.1) 2018-10-12

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[25] EN
[54] **METHOD FOR THE PREPARATION OF (4S)-4-(4-CYANO-2-METHOXYPHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1-6-NAPHTHYRIDINE-3-CARBOX-AMIDE BY RACEMATE SEPARATION BY MEANS OF DIASTEREOMERICTARTARIC ACID ESTERS**
[54] **PROCEDE DE FABRICATION DE (4S)-4-(4-CYANO-2-METHOXYPHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTHYRIDIN-3-CARBOXAMIDE PAR RESOLUTION RACEMIQUE AU MOYEN D'ESTERS D'ACIDE TARTRIQUE DIASTEREOISOMERES**
[72] PLATZEK, JOHANNES, DE
[72] LOVIS, KAI, DE
[72] JOENTGEN, WINFRIED, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[71] BAYER SCHERING PHARMA AKTIENGESELLSCHAFT, DE
[85] 2020-10-21
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[25] EN
[54] **PHENYL TRIAZOLE MLL1-WDR5 PROTEIN-PROTEIN INTERACTION INHIBITOR**
[54] **INHIBITEUR DE L'INTERACTION PROTEINE-PROTEINE MLL1-WDR5 DE PHENYLE TRIAZOLE**
[72] YOU, QIDONG, CN
[72] GUO, XIAOKE, CN
[72] LI, DONGDONG, CN
[72] CHEN, WEILIN, CN
[72] WANG, ZHIHUI, CN
[71] CHINA PHARMACEUTICAL UNIVERSITY, CN
[85] 2020-10-21
[86] 2018-12-25 (PCT/CN2018/123500)
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[51] **Int.Cl. A61K 31/07 (2006.01) A61K 47/10 (2017.01) A61K 47/18 (2017.01)**
[25] EN
[54] **EYE DROP FORMULATION AND METHOD FOR SUSTAINED DELIVERY OF MEDICAMENT TO THE RETINA**
[54] **FORMULATION DE GOUTTES OCULAIRES ET METHODE D'ADMINISTRATION PROLONGEE DE MEDICAMENT A LA RETINE**
[72] WONG, VERNON G., US
[72] HUANG, GLEN T., US
[71] CHIBI, INC., US
[85] 2020-10-20
[86] 2019-05-01 (PCT/US2019/030290)
[87] (WO2019/213326)
[30] US (62/665,273) 2018-05-01

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[51] **Int.Cl. A61K 47/22 (2006.01) A61K 9/00 (2006.01) A61K 31/4709 (2006.01) A61K 31/573 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **LIQUID DEPOT FOR NON-INVASIVE SUSTAINED DELIVERY OF AGENTS TO THE EYE**
[54] **DEPOT DE LIQUIDE POUR ADMINISTRATION PROLONGEE NON INVASIVE D'AGENTS DANS L'□IL**
[72] WONG, VERNON G., US
[72] HUANG, GLENN T., US
[71] CHIBI, INC., US
[85] 2020-10-20
[86] 2019-05-01 (PCT/US2019/030294)
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[30] US (62/665,367) 2018-05-01

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[51] **Int.Cl. A61L 27/30 (2006.01) A61L 15/18 (2006.01) A61L 17/14 (2006.01) A61L 29/10 (2006.01) A61L 31/08 (2006.01)**
[25] EN
[54] **USE OF A SUBSTRATE COATING FOR DECREASING LEAKAGE OF MATTER**
[54] **UTILISATION D'UN REVETEMENT DE SUBSTRAT POUR DIMINUER UNE FUITE DE MATIERE**
[72] SODERVALL, BILLY, SE
[72] SANCHEZ, JAVIER, SE
[71] BACTIGUARD AB, SE
[85] 2020-10-21
[86] 2019-04-24 (PCT/EP2019/060445)
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[30] SE (1850493-6) 2018-04-25

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[51] **Int.Cl. A61K 38/16 (2006.01) A61K 31/519 (2006.01) A61P 31/12 (2006.01) A61P 35/00 (2006.01) C07D 487/04 (2006.01) C07K 14/065 (2006.01) C12N 7/00 (2006.01) C12N 7/01 (2006.01) C12N 15/09 (2006.01) C12N 15/39 (2006.01) C12N 15/863 (2006.01)**
[25] EN
[54] **POXVIRUS HOST RANGE PROTEIN K3 AS A POSITIVE SELECTION MARKER FOR GENERATION OF RECOMBINANT POXVIRUSES, A THERAPEUTIC TARGET FOR POXVIRUS INFECTION AND A THERAPEUTIC AGENT FOR PKRRELATED DISEASES**
[54] **PROTEINE K3 DE GAMME HOTE DE POXVIRUS EN TANT QUE MARQUEUR DE SELECTION POSITIF POUR LA GENERATION DE POXVIRUS RECOMBINES, CIBLE THERAPEUTIQUE POUR UNE INFECTION PAR POXVIRUS ET AGENT THERAPEUTIQUE POUR MALADIES ASSOCIEES A PKR**
[72] CAO, JINGXIN, CA
[71] HER MAJESTY THE QUEEN IN THE RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF HEALTH, CA
[85] 2020-10-21
[86] 2019-03-22 (PCT/CA2019/050355)
[87] (WO2019/210392)
[30] US (62/666,356) 2018-05-03

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[25] EN
[54] **PRODUCTION LOGGING INVERSION BASED ON DAS/DTS**
[54] **INVERSION DE DIAGRAPHIE DE PRODUCTION BASEE SUR DES DAS/DTS**
[72] JIN, GE, US
[72] FRIEHAUF, KYLE, US
[72] ROY, BAISHALI, US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2020-10-20
[86] 2019-05-02 (PCT/US2019/030408)
[87] (WO2019/213402)
[30] US (62/665,536) 2018-05-02

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[51] **Int.Cl. C05C 9/00 (2006.01) B01J 2/02 (2006.01) B01J 2/04 (2006.01) C05G 3/00 (2020.01)**
[25] EN
[54] **UREA GRANULATION PROCESS**
[54] **PROCEDE DE GRANULATION D'UREE**
[72] MARRONE, LEONARDO, IT
[72] BERETTI, ANDREA, IT
[71] CASALE SA, CH
[85] 2020-10-21
[86] 2019-06-28 (PCT/EP2019/067357)
[87] (WO2020/011562)
[30] EP (18183134.8) 2018-07-12

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[51] **Int.Cl. A61B 18/12 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL HIGH-FREQUENCY ELECTRIC KNIFE**
[54] **COUTEAU ELECTRIQUE A HAUTE FREQUENCE MULTIFONCTION**
[72] HU, XIAO, CN
[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
[71] SICHUAN PROVINCIAL PEOPLE'S HOSPITAL, CN
[85] 2020-10-21
[86] 2019-04-19 (PCT/CN2019/083463)
[87] (WO2019/206042)
[30] CN (201810366219.1) 2018-04-23

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[51] **Int.Cl. C02F 9/00 (2006.01) B04B 1/00 (2006.01) C02F 1/28 (2006.01) C02F 1/32 (2006.01) C02F 1/38 (2006.01) C02F 1/44 (2006.01)**
[25] EN
[54] **AN APPARATUS FOR PRODUCING POTABLE WATER**
[54] **APPAREIL DE PRODUCTION D'EAU POTABLE**
[72] MELLING, GERARD, GB
[72] SUTTIE, ALAN, GB
[72] LOUDON, BRIAN, GB
[72] ELLIOT, JOHN, GB
[71] GM INNOVATIONS LIMITED, GB
[85] 2020-10-21
[86] 2019-04-24 (PCT/EP2019/060534)
[87] (WO2019/207006)
[30] GB (1806615.9) 2018-04-24

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[51] **Int.Cl. A61B 17/42 (2006.01) A61F 6/20 (2006.01) A61F 6/22 (2006.01) A61L 24/00 (2006.01) C09J 4/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR CONTROLLED DELIVERY**
[54] **PROCEDES ET DISPOSITIFS D'ADMINISTRATION CONTROLEE**
[72] LEE-SEPSICK, KATHY, US
[71] FEMASYS, INC., US
[85] 2020-10-20
[86] 2019-05-02 (PCT/US2019/030491)
[87] (WO2019/213455)
[30] US (62/665,725) 2018-05-02

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[13] A1
[51] **Int.Cl. H01F 27/245 (2006.01)**
[25] EN
[54] **TRANSFORMER CORES AND ASSEMBLY METHODS THEREOF FOR HIGH EFFICIENCY AND HIGH ANTI-CORROSION PERFORMANCE**
[54] **NOYAUX DE TRANSFORMATEUR ET PROCEDES D'ASSEMBLAGE DE CEUX-CI POUR UNE EFFICACITE ELEVEE ET DES PERFORMANCES ANTI-CORROSION ELEVEES**
[72] WANG, ZHONGBO, CN
[72] NAVARRO, MARTIN ALSINA, BR
[72] MORENO, ANDRE LUIZ, BR
[72] CHEN, WEI, CN
[72] LI, HUI, CN
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] HAINAN JINPAN SMART TECHNOLOGY CO., LTD., CN
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[86] 2018-04-23 (PCT/CN2018/084068)
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[51] **Int.Cl. F24F 13/02 (2006.01) F24F 13/062 (2006.01) F24F 13/08 (2006.01)**
[25] EN
[54] **DEVICE FOR DISTRIBUTING AIR**
[54] **DISPOSITIF DE DISTRIBUTION D'AIR**
[72] LAGING, JOHANNES, DE
[72] UNNU, KAMIL, DE
[72] ERDOGAN, FIKRET, DE
[72] PIEGSA, SIEGFRIED, DE
[71] TRUMA GERATETECHNIK GMBH & CO. KG, DE
[85] 2020-10-21
[86] 2019-04-26 (PCT/EP2019/060757)
[87] (WO2019/211192)
[30] DE (10 2018 003 524.8) 2018-05-02

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[51] **Int.Cl. B01D 53/62 (2006.01) B01D 9/00 (2006.01) B01J 19/24 (2006.01) C01F 11/18 (2006.01)**
[25] EN
[54] **PERMANENT STORAGE OF CARBON DIOXIDE**
[54] **STOCKAGE PERMANENT DE DIOXYDE DE CARBONE**
[72] TRAMPE, ERIK, DK
[71] CLIMATE SOLUTIONS APS, DK
[85] 2020-10-21
[86] 2019-05-02 (PCT/EP2019/061254)
[87] (WO2019/211381)
[30] EP (18170406.5) 2018-05-02

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[51] **Int.Cl. C12P 19/34 (2006.01) C12Q 1/686 (2018.01) C12Q 1/6888 (2018.01) C12Q 1/04 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **SPIKED PRIMERS FOR ENRICHMENT OF PATHOGEN NUCLEIC ACIDS AMONG BACKGROUND OF NUCLEIC ACIDS**
[54] **AMORCES A SPICULES POUR L'ENRICHISSEMENT D'ACIDES NUCLEIQUES PATHOGENES ENTRE LES ACIDES NUCLEIQUES D'ARRIERE-PLAN**
[72] CHIU, CHARLES, US
[72] DENG, XIANDING, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-10-20
[86] 2019-05-03 (PCT/US2019/030746)
[87] (WO2019/213624)
[30] US (62/667,334) 2018-05-04
[30] US (62/816,003) 2019-03-08

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[13] A1
[51] **Int.Cl. C07K 14/575 (2006.01) A61K 38/22 (2006.01) A61K 47/00 (2006.01) A61K 47/06 (2006.01) C07K 14/605 (2006.01)**
[25] EN
[54] **GIP DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE GIP ET LEURS UTILISATIONS**
[72] HOGENDORF, WOUTER FREDERIK JOHAN, DK
[72] THOGERSEN, HENNING, DK
[72] COX, NICHOLAS RAYMOND, US
[72] KNERR, PATRICK J., US
[72] DIMARCHI, RICHARD, US
[72] FINAN, BRIAN, US
[72] LAU, JESPER F., DK
[72] REEDTZ-RUNGE, STEFFEN, DK
[72] LIU, FA, US
[71] NOVO NORDISK A/S, DK
[85] 2020-10-21
[86] 2019-05-03 (PCT/EP2019/061413)
[87] (WO2019/211451)
[30] US (62/666,916) 2018-05-04
[30] EP (18172827.0) 2018-05-17

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[51] **Int.Cl. A23G 1/30 (2006.01) A23G 1/36 (2006.01) A23G 9/32 (2006.01) A23G 9/48 (2006.01)**
[25] EN
[54] **COMPOSITION FOR COATING FROZEN CONFECTIONERY AND A PROCESS FOR MANUFACTURING SAME**
[54] **COMPOSITION POUR L'ENROBAGE DE CONFISERIE GLACEE ET SON PROCEDE DE FABRICATION**
[72] AEBI, MARCEL, US
[72] OPET, NATHAN, US
[72] CHANDRASEKARAN, SHANTHA,NALUR, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-10-21
[86] 2019-05-08 (PCT/EP2019/061861)
[87] (WO2019/215251)
[30] US (62/669114) 2018-05-09

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[13] A1
[51] **Int.Cl. A01N 63/00 (2020.01) A01N 25/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **MICROBACTERIUM ISOLATES AND USES THEREOF**
[54] **ISOLATS DE MICROBACTERIUM ET LEURS UTILISATIONS**
[72] PARNELL, JOHN JACOB, US
[72] RIDGE, GARRETT, US
[72] KLUBER, LAUREL ANNE, US
[72] BAKER, ETHAN CHAD, US
[72] KIRKENG, SAMUEL EDWARD, US
[72] HALL, CHARLES, US
[72] MARIN, CASSANDRA, US
[72] MALONEY, GREGORY STEPHEN, US
[71] NOVOZYMES BIOAG A/S, DK
[85] 2020-10-20
[86] 2019-05-06 (PCT/US2019/030808)
[87] (WO2019/217255)
[30] US (62/667,676) 2018-05-07

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[13] A1
[51] **Int.Cl. C12N 9/64 (2006.01)**
[25] EN
[54] **DE-IMMUNIZED FACTOR VIII MOLECULE AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME**
[54] **MOLECULE DE FACTEUR VIII DESIMMUNISEE ET COMPOSITIONS PHARMACEUTIQUES LA COMPRENANT**
[72] WINTERLING, KARINA, DE
[72] KISTNER, STEFFEN, DE
[72] DAUFENBACH, JENS, DE
[72] DE GROOT, ANNIE, US
[72] MARTIN, WILLIAM, US
[72] UNGERER, CHRISTOPHER, DE
[71] BIOTEST AG, DE
[85] 2020-09-25
[86] 2019-04-11 (PCT/EP2019/059233)
[87] (WO2019/197524)
[30] EP (18166982.1) 2018-04-12

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[13] A1
[51] **Int.Cl. A61K 38/26 (2006.01) A61K 9/16 (2006.01) A61K 9/20 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **SOLID COMPOSITIONS COMPRISING A GLP-1 AGONIST AND A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID**
[54] **COMPOSITIONS SOLIDES COMPRENANT UN AGONISTE DE GLP-1 ET UN SEL D'ACIDE N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIQUE**
[72] BJERREGAARD, SIMON, DK
[72] LYTT, RAHBEK ULRIK, DK
[72] JONAS, SASSENE PHILIP, DK
[72] JEROEN, WATER JORRIT, DK
[72] VEGGE, ANDREAS, DK
[71] NOVO NORDISK A/S, DK
[85] 2020-10-21
[86] 2019-05-06 (PCT/EP2019/061502)
[87] (WO2019/215063)

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[13] A1
[51] **Int.Cl. H04W 8/26 (2009.01)**
[25] EN
[54] **NETWORK ADDRESS POLICY INFORMATION RECEIVED IN A PRE-ASSOCIATED STATE**
[54] **INFORMATIONS DE POLITIQUE D'ADRESSE RESEAU RECUES DANS UN ETAT PRE-ASSOCIE**
[72] MCCANN, STEPHEN, CA
[72] MONTEMURRO, MICHAEL PETER, CA
[72] LEPP, JAMES RANDOLPH WINTER, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-10-21
[86] 2019-05-24 (PCT/EP2019/063545)
[87] (WO2019/242992)
[30] US (16/010,607) 2018-06-18

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[13] A1
[51] **Int.Cl. A61B 17/16 (2006.01) A61B 17/04 (2006.01) A61B 17/06 (2006.01)**
[25] EN
[54] **COINED SUTURE PASSING DRILL**
[54] **FORET DE PASSAGE DE SUTURE MATRICE**
[72] SUMMITT, MATTHEW, US
[72] THIBODEAU, ROBERT A., US
[71] CONMED CORPORATION, US
[85] 2020-10-20
[86] 2019-05-07 (PCT/US2019/030995)
[87] (WO2019/217345)
[30] US (62/668,900) 2018-05-09

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[13] A1
[51] **Int.Cl. G06K 9/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR OPERATING A CAMERA-MONITOR SYSTEM FOR A MOTOR VEHICLE**
[54] **PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER UN SYSTEME CAMERA-MONITEUR POUR UN VEHICULE A MOTEUR**
[72] WEINLICH, ANDREAS, DE
[72] SMITS, THOMAS, DE
[71] CONTINENTAL AUTOMOTIVE GMBH, DE
[85] 2020-10-21
[86] 2019-05-07 (PCT/EP2019/061624)
[87] (WO2019/219440)
[30] DE (10 2018 207 762.2) 2018-05-17
[30] DE (10 2018 209 192.7) 2018-06-08

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) B31B 70/64 (2017.01) A61J 1/10 (2006.01) A61J 1/14 (2006.01) B29C 65/02 (2006.01)**
[25] EN
[54] **FLEXIBLE CONTAINER FOR STORAGE AND TRANSPORT OF BIOPHARMACEUTICALS**
[54] **RECIPIENT FLEXIBLE POUR LE STOCKAGE ET LE TRANSPORT DE PRODUITS BIOPHARMACEUTIQUES**
[72] ALFORD, JOSEPH, US
[72] CAMPBELL, DONALD, US
[72] DEIBEL, SHANNON, US
[72] NITYANANDAN, ASHWATH, US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-10-21
[86] 2018-04-24 (PCT/US2018/029119)
[87] (WO2019/209268)

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[13] A1
[51] **Int.Cl. A61K 9/20 (2006.01) A23G 4/06 (2006.01) A61K 9/68 (2006.01) A61Q 11/00 (2006.01)**
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[54] **A TABLETED CHEWING GUM SUITABLE FOR ACTIVE PHARMACEUTICAL INGREDIENTS**
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[71] FERTIN PHARMA A/S, DE
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[71] EVAX AG, CH
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[54] **PROCEDE DE COMMANDE POUR CONVERTISSEURS DE PUISSANCE AVEC BLOCS D'ONDULEUR AVEC DES MOSFET EN CARBURE DE SILICIUM**
[72] WAGONER, ROBERT GREGORY, US
[72] DONG, DONG, US
[72] GANIREDDY, GOVARDHAN, US
[72] SMITH, DAVID, US
[71] GENERAL ELECTRIC COMPANY, US
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[54] **FORMULATION PHARMACEUTIQUE**
[72] BOYER, SCOTT, SE
[72] HUBINETTE, FREDRIK, SE
[72] SINGH, SHALINI, SE
[71] KLARIA PHARMA HOLDING AB, SE
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[72] WILLIAMS, BRETT M., US
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[54] **COMMUNICATION DEVICE AND COMMUNICATION METHOD**
[54] **DISPOSITIF DE COMMUNICATION ET PROCEDE DE COMMUNICATION**
[72] HUANG, LEI, SG
[72] MOTOZUKA, HIROYUKI, JP
[72] SAKAMOTO, TAKENORI, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
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[54] **METHODS FOR MANUFACTURING WIND TURBINE ROTOR BLADES AND COMPONENTS THEREOF**
[54] **PROCEDES DE FABRICATION DE PALES DE ROTOR D'EOLIENNE ET LEURS COMPOSANTS**
[72] TOBIN, JAMES ROBERT, US
[72] JOHNSON, STEPHEN BERTRAM, US
[72] LIVINGSTON, JAMIE T., US
[72] NATH, SHRIDHAR CHAMPAKNATH, US
[72] WALKER, ALAN M., US
[71] GENERAL ELECTRIC COMPANY, US
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[54] **MECANISMES D'ACTIONNEMENT MAGNETIQUE ET PROCEDES D'ACTIONNEMENT DE MICRO-TIGES MAGNETIQUEMENT REACTIVES DANS UNE CHAMBRE DE REACTION**
[72] SPERO, RICHARD CHASEN, US
[72] FISHER, JAY KENNETH, US
[71] REDBUD LABS, INC., US
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[54] **INSTRUMENT ELECTROCHIRURGICAL AVEC ELEMENT D'ECLAIRAGE**
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[54] **GROWTH INHIBITOR**
[54] **INHIBITEUR DE CROISSANCE**
[72] YAMAZOE, NORIKO, JP
[72] HIYOSHI, HIDEYUKI, JP
[72] MOCHIDA, TAISUKE, JP
[72] ITO, RYO, JP
[72] TOYODA, TARO, JP
[72] KIMURA, AZUMA, JP
[71] KYOTO UNIVERSITY, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
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[54] **METHODS AND COMPOSITIONS FOR HOMOLOGY-DIRECTED REPAIR OF CAS ENDONUCLEASE MEDIATED DOUBLE STRAND BREAKS**
[54] **METHODES ET COMPOSITIONS POUR LA RECOMBINAISON HOMOLOGUE DIRIGEE DE CASSURES DOUBLE BRIN MEDIEES PAR UNE ENDONUCLEASE CAS**
[72] GASIOR, STEPHEN LAWRENCE, US
[72] SVITASHEV, SERGEI, US
[72] YOUNG, JOSHUA K., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **MODULAR AMUSEMENT PARK SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PARC D'ATTRACTION MODULAIRE**
[72] GOERGEN, PATRICK JOHN, US
[72] HOLSTINE, DANIELLE MARIE, US
[72] TRUJILLO, TOMAS MANUEL, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[54] **UNITE DE DISTRIBUTION DE FLUIDE COMPORTANT UN SYSTEME DE DEGIVRAGE**
[72] GUSTAFSSON, GUSTAF, SE
[71] WAYNE FUELING SYSTEMS LLC, US
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[54] **AUTONOMOUS FOOD PRODUCT DELIVERY VEHICLE SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE VEHICULE DE LIVRAISON DE PRODUITS ALIMENTAIRES AUTONOME**
[72] CRAWFORD, ROBERT, US
[72] SEROCK, YONG JIN, US
[71] PEPSICO, INC., US
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[54] **METHOD FOR MAKING INJECTABLE PHARMACEUTICAL COMPOSITIONS**
[54] **PROCEDE DE FABRICATION DE COMPOSITIONS PHARMACEUTIQUES INJECTABLES**
[72] SPASOFF, ANDREW PHILLIP, US
[72] ATKINSON, SUSANNE THERESE, IE
[72] BENNIS, ADRIAN, IE
[72] FREUND, ERWIN, US
[71] AMAGEN INC., US
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[54] **CONFINEMENT ET MISE EN CARTON DE SACHETS**
[72] ENGELHARDT, WILLIAM E., US
[72] HAMILTON, STEVEN C., US
[72] SCHAEFER, ERIC M., US
[71] R.A JONES & CO., US
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[54] **SYSTEME DE TRAITEMENT D'INFORMATIONS CARDIAQUES**
[72] CHOU, DERRICK REN-YU, US
[72] CORVI, TIMOTHY J., US
[72] BURGESS, VINCE, US
[72] PARIKH, PARAS, US
[72] WERNETH, RANDELL L., US
[72] BEATTY, GRAYDON ERNEST, US
[72] ANGEL, NATHAN, US
[72] SCHARF, CHRISTOPH, CH
[72] DANG, LAM, CH
[72] FLAHERTY, R. MAXWELL, US
[72] FLAHERTY, J. CHRISTOPHER, US
[71] ACUTUS MEDICAL, INC., US
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[54] **SYSTEMES ET PROCEDES DE PRISE DE DECISION D'IDENTITE DYNAMIQUE**
[72] KRISHNAMURTHY, BALA, US
[71] TRANS UNION LLC, US
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[54] **TUBE MEDICAL TOLERANT AU PLIAGE ET A LA COMPRESSION**
[72] EGLEY, BERT D., US
[72] MOSS, JON, US
[72] SCHMIDT, DANIEL, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
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[54] **COMPOSITION CHIMIQUE STABILISEE**
[72] FOWLER, JEFFERY DAVID, US
[72] KIM, SEJONG, US
[72] LEBEDEVA, NATALIA, US
[72] NARSALE, JELENA, US
[71] SYNGENTA CROP PROTECTION AG, CH
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[54] **ANALYSE MULTI-OMIQUE D'ECHANTILLONS A HAUT DEBIT**
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[72] WALCZAK, ELISABETH MARIE, US
[71] BECTON. DICKINSON AND COMPANY, US
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[51] **Int.Cl. G06F 21/44 (2013.01)**
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[54] **AUTOMATED AUTHENTICATION SYSTEMS AND METHODS INCLUDING AUTOMATED WASTE MANAGEMENT SYSTEM WITH AUTOMATED WEIGHT TICKET AND AUTHENTICATION**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION AUTOMATISEE COMPRENANT UN SYSTEME AUTOMATISE DE GESTION DE DECHETS AVEC BILLET DE PESAGE AUTOMATISE ET AUTHENTIFICATION**
[72] STOREY, JASON C., US
[72] FOYE, SHANE, US
[71] OVERCAST HOLDINGS, LLC, US
[85] 2020-10-21
[86] 2019-04-23 (PCT/US2019/028773)
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[54] **METHODS OF ENHANCING IMMUNOGENICITY OF POORLY IMMUNOGENIC ANTIGEN-SPECIFIC VACCINES USING ORAL YEAST BETA-GLUCANS**
[54] **PROCEDES D'AMELIORATION DE L'IMMUNOGENICITE DE VACCINS SPECIFIQUES D'UN ANTIGENE FAIBLEMENT IMMUNOGENES A L'AIDE DE BETA-GLUCANES DE LEVURE ORAUX**
[72] CHEUNG, NAI-KONG, US
[72] MODAK, SHAKEEL, US
[72] RAGUPATHI, GOVIND, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2020-10-21
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[51] **Int.Cl. A61M 15/06 (2006.01)**
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[54] **IMPROVED VAPORIZER, SYSTEM, AND METHOD FOR MANAGING CONCENTRATE USAGE**
[54] **VAPORISATEUR AMELIORE, SYSTEME, ET PROCEDE PERMETTANT DE GERER L'UTILISATION D'UN CONCENTRE**
[72] WOODBINE, JOHN, US
[72] CALFEE, PETER, US
[72] DEMYANOVICH, WILLIAM, US
[72] MITCHELL, GARY, US
[72] KEENAN, JOSEPH, US
[71] GOFIRE, INC., US
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[54] **TETRAZOLE CONTAINING APOPTOSIS SIGNAL-REGULATING KINASE 1 INHIBITORS AND METHODS OF USE THEREOF**
[54] **INHIBITEURS DE LA KINASE 1 REGULANT LE SIGNAL D'APOPTOSE CONTENANT DES TETRAZOLES ET LEURS METHODES D'UTILISATION**
[72] WANG, GUOQIANG, US
[72] SHEN, RUICHAO, US
[72] GRANGER, BRETT, US
[72] HE, JING, US
[72] XING, XUECHAO, US
[72] HE, YONG, US
[72] LONG, JIANG, US
[72] MA, JUN, US
[72] WANG, BIN, US
[72] OR, YAT SUN, US
[71] ENANTA PHARMACEUTICALS, INC., US
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[86] 2019-05-01 (PCT/US2019/030183)
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[25] EN
[54] **FERTILIZER COMPOSITIONS HAVING SLOW-RELEASE NITROGEN COMPOUNDS AND METHODS OF FORMING THEREOF**
[54] **COMPOSITIONS D'ENGRAIS COMPRENANT DES COMPOSES AZOTES A LIBERATION LENTE ET LEURS PROCEDES DE FORMATION**
[72] THOMPSON, HAROLD E., US
[71] OMS INVESTMENTS, INC., US
[85] 2020-10-21
[86] 2019-04-24 (PCT/US2019/028872)
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[51] **Int.Cl. A45D 34/04 (2006.01)**
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[54] **CONTAINER FOR COSMETIC COMPOSITIONS**
[54] **RECIPIENT POUR COMPOSITIONS COSMETIQUES**
[72] BILLINGER, EMMA, GB
[72] FOWLER, DAVID, GB
[72] LEWIS, MELANIE, GB
[71] THE BOOTS COMPANY PLC, GB
[85] 2020-10-21
[86] 2019-06-06 (PCT/IB2019/020020)
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[51] **Int.Cl. C25B 11/03 (2006.01) C25B 1/06 (2006.01) C25B 9/18 (2006.01) C25B 11/04 (2006.01)**
[25] EN
[54] **ELECTRODES FOR DIVERGENT ELECTROLYTIC FLOW-THROUGH APPARATUSES**
[54] **ELECTRODES POUR APPAREILS D'ECOULEMENT ELECTROLYTIQUE DIVERGENT**
[72] DE JAGER, CORNELIS JOHANNES, ZA
[72] GILLESPIE, IVOR MALCOLM, ZA
[72] CUOMO, JASON RAPHAEL, ZA
[71] HYDROX HOLDINGS LIMITED, ZA
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[30] ZA (2018/02672) 2018-04-23
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[51] **Int.Cl. C08G 18/66 (2006.01) A61Q 5/04 (2006.01) C08G 18/08 (2006.01) C08G 18/32 (2006.01) C08G 18/38 (2006.01) C08G 18/44 (2006.01) C08G 18/75 (2006.01) C08L 75/02 (2006.01) C08L 75/04 (2006.01)**
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[54] **LONG LASTING COSMETIC COMPOSITIONS**
[54] **COMPOSITIONS COSMETIQUES LONGUE DUREE**
[72] KANG, SOO-YOUNG, US
[72] JI, ZHAOXIA, US
[72] TSENG, LING-FANG, US
[72] VILLANUEVA, DINARA A., US
[71] LIVING PROOF, INC., US
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[51] **Int.Cl. A61K 38/17 (2006.01)**
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[54] **METHODS FOR IMPROVING FRAILTY AND AGING**
[54] **PROCEDES POUR AMELIORER LA FRAGILITE ET LE VIEILLISSEMENT**
[72] CHERNOVA, OLGA, US
[71] GENOME PROTECTION, INC., US
[85] 2020-10-21
[86] 2019-04-24 (PCT/US2019/028911)
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[30] US (62/662,028) 2018-04-24

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[51] **Int.Cl. G01N 21/892 (2006.01) G01B 11/00 (2006.01) G01B 11/02 (2006.01) G01B 11/24 (2006.01)**
[25] EN
[54] **INSPECTION APPARATUS, PLATE-SHAPED OBJECT MANUFACTURING APPARATUS, INSPECTION METHOD, AND PLATE-SHAPED OBJECT MANUFACTURING METHOD**
[54] **DISPOSITIF D'INSPECTION, DISPOSITIF DE FABRICATION D'OBJET EN FORME DE PLAQUE, PROCEDE D'INSPECTION ET PROCEDE DE FABRICATION D'OBJET EN FORME DE PLAQUE**
[72] YASUE, KENZO, JP
[71] YOSHINO GYPSUM CO., LTD., JP
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[72] MOON, JEONG JU, KR
[72] CHOI, WOO HYUK, KR
[72] CHO, YUN KI, KR
[72] KIM, JOO HO, KR
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[54] **SYSTEMS AND METHODS FOR USING PATHOGEN NUCLEIC ACID LOAD TO DETERMINE WHETHER A SUBJECT HAS A CANCER CONDITION**
[54] **SYSTEMES ET PROCEDES D'UTILISATION D'UNE CHARGE D'ACIDE NUCLEIQUE PATHOGENE POUR DETERMINER SI UN SUJET PRESENTE UN ETAT CANCEREUX**
[72] MAHER, M. CYRUS, US
[72] VALOUEV, ANTON, US
[72] SHOJAEE, SEYEDMEHDI, US
[72] VENN, OLIVER CLAUDE, US
[71] GRAIL, INC., US
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[54] **PROCEDE DE SEPARATION EN MILIEU DENSE**
[72] MUTHAPHULI, PHUMUDZO, ZA
[72] NTSOELENGOE, BONGI, ZA
[71] SISHEN IRON ORE COMPANY (PROPRIETARY) LIMITED, ZA
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[54] **PROTEINES DE FUSION DE L'INTERLEUKINE 12, ET COMPOSITIONS ET PROCEDES THERAPEUTIQUES ASSOCIES**
[72] FU, YANG-XIN, US
[72] PENG, HUA, CN
[72] XUE, DIYUAN, CN
[71] IMMUNE TARGETING INC., US
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[54] **PALIER DE PAS POUR UNE EOLIENNE**
[72] MINADEO, ADAM DANIEL, US
[72] KACMARCIK, MICHAEL JOSEPH, US
[72] KACHHIA, BHAVESH, IN
[71] GENERAL ELECTRIC COMPANY, US
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[54] **SYSTEMES ET PROCEDES DE PROFILS DE MANEGE DYNAMIQUE**
[72] GOERGEN, PATRICK J., US
[72] HOLSTINE, DANIELLE, US
[72] BOYLE, PATRICK, US
[72] COLLETTA, JACK JOSEPH, US
[72] GRAHAM, MARTIN EVAN, US
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[54] **COMPOSITIONS DE CHLORITE DE SODIUM POSSEDANT UNE EFFICACITE ANTIMICROBIENNE AMELIOREE ET UNE TOXICITE REDUITE**
[72] BURKE, JAMES A., US
[72] GRAHAM, RICHARD S., US
[72] GHOSN, CORINE, US
[72] ALMAZAN, ALEXANDRA, US
[72] ENGLES, MICHAEL, US
[72] RAJAGOPALAN, LAKSHMI, US
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[54] **UTILISATION D'ANTICORPS DIRIGES CONTRE UNE FAMILLE A SIMILARITE DE SEQUENCE 19, ELEMENT A5, POUR LE TRAITEMENT DE LA DOULEUR NEUROPATHIQUE**
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[72] KIM, DONG SIK, KR
[72] KWON, SOON-GU, KR
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[54] **PROCEDE DE DETERMINATION DE MODELES DE COMPORTEMENT DE VEHICULE AUTONOME, VEHICULE AUTONOME ET PROCEDE DE NAVIGATION DANS UN VEHICULE AUTONOME**
[72] WEISS, MITCHELL, US
[72] SCHNAPP, JEFFREY, US
[72] LYNN, GREGORY STEWART, US
[72] KOTELOVA, ROSSITZA, US
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[71] THOMAS JEFFERSON UNIVERSITY, US
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[54] **COMPOSITIONS ET PROCEDES DE REDUCTION DE LA TENEUR EN CAFEINE DANS LES GRAINS DE CAFE**
[72] MAORI, EYAL, IL
[72] PIGNOCCHI, CRISTINA, GB
[72] SIWOSZEK, AGNIESZKA, GB
[72] GALANTY, YARON, GB
[72] KNEVITT, DANIEL, GB
[72] CHAPARRO GARCIA, ANGELA, GB
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[72] MIZUTANI, NAOYA, JP
[72] MORIMOTO, MASAYUKI, JP
[72] OKABE, MAKI, JP
[72] ITO, MASAAKI, JP
[72] KIMURA, GO, JP
[71] SHIONOGI & CO., LTD., JP
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[54] **PROCEDE ET APPAREIL DE DETECTION DE PRESSION PARTIELLE**
[72] BRUCKER, GERARDO A., US
[71] MKS INSTRUMENTS, INC., US
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[71] THOMAS JEFFERSON UNIVERSITY, US
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[72] BREIG, TIMOTHY D., US
[71] CHEVRON U.S.A. INC., US
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[54] **METHODES DE TRAITEMENT DE LYMPHOMES**
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[72] BIRRELL, MATTHEW, US
[72] CONLEY, PAMELA B., US
[72] CURNUTTE, JOHN T., US
[72] PANDEY, ANJALI, US
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[72] MICHELSON, GLENN, US
[71] PORTOLA PHARMACEUTICALS, INC., US
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[54] **CELLULES CAR-T ANTI-BCMA POUR DEPLETION DE CELLULES PLASMATIQUES**
[72] COST, GREGORY, US
[71] CRISPR THERAPEUTICS AG, CH
[71] BAYER HEALTHCARE LLC, US
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[54] **COMPOSITIONS D'ANTIGENE MYCOBACTERIEN ET PROCEDES D'UTILISATION**
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[71] CHILDREN'S NATIONAL MEDICAL CENTER, US
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[54] **VERRE ANTIMICROBIEN POUVANT ETRE TRAITE THERMIQUEMENT**
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[71] GUARDIAN GLASS, LLC, US
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[54] **SYSTEME ET PROCEDE DE DIAGNOSTIC DE VIBRATION DE PALIER PAR MISE EN CORRESPONDANCE DE MOTIFS**
[72] GHOSH, SUBHANKAR, US
[72] PAUL, VIPUL, US
[72] KANNEPALLI, SRINIVAS, US
[72] KARNIK, ADITYA, US
[72] CANARY, JEREMY, US
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[54] **MAILLON DE CHENILLE PRINCIPALE DE SERRAGE DE CHASSIS COMPRENANT UN TROU DE BROCHE DE CHENILLE TEXTURE**
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[72] TRONE, MATTHEW W., US
[72] WAGLE, MARK R., US
[71] CATERPILLAR INC., US
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[54] **KIT DE DEPISTAGE DU CANCER COLORECTAL ET D'ADENOME AVANCE ET SON APPLICATION**
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[72] LI, CUNYAO, CN
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[72] ZHENG, WEIXIAN, CN
[72] YANG, JIAO, CN
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[72] GONZAGA-JAUREGUI, CLAUDIA, US
[72] SIAO, CHIA-JEN, US
[72] NISTALA, HARIKIRAN, US
[72] NANNURU, KALYAN C., US
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[54] **MODELES ANIMAUX NON HUMAINS DE MALADIE DITRA ET LEURS UTILISATIONS**
[72] MURPHY, ANDREW, US
[72] MUJICA, ALEXANDER O., US
[72] LAI, KA-MAN VENUS, US
[72] SOKOL, HAXHINASTO, US
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[72] PRATT, DAN W., US
[71] OWEN OIL TOOLS LP, US
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[72] KLUESENER, BERNARD WILLIAM, US
[72] DORIA, HEATHER ANNE, US
[72] JOHNSON, LENAE VIRGINIA, US
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[72] JACOBSEN, JOSEPH O., US
[72] BOND, TIMOTHY TYLER, US
[72] HARDEN, DANIEL KENDALL, US
[71] RUNWAY BLUE, LLC, US
[22] 2017-10-11
[41] 2018-04-19
[62] 3,038,973
[30] US (62/406,879) 2016-10-11
[30] US (62/563,019) 2017-09-25

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[21] **3,096,795**
[13] A1
[25] EN
[54] **PINCH CLAMP DEVICE**
[54] **DISPOSITIF DE PINCE DE SERRAGE**
[72] BURKHOLZ, JONATHAN KARL, US
[72] PETERSON, BART D., US
[72] WANG, BIN, US
[72] STOUT, MARTY L., US
[72] HU, OLIVIA, CN
[72] HARDING, WESTON F., US
[72] SONDEREGGER, RALPH L., US
[72] CHAI, KELVIN, CN
[72] WANG, LIONEL, CN
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2016-10-06
[41] 2017-05-04
[62] 3,002,659
[30] US (62/247,615) 2015-10-28
[30] US (62/296,372) 2016-02-17
[30] US (15/286,248) 2016-10-05

[21] **3,096,798**
[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61P 35/00 (2006.01) A61P 35/02 (2006.01) A61P 37/02 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/85 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CANCER WITH ANTI-MESOTHELIN IMMUNOTHERAPY**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DU CANCER AVEC IMMUNOTHERAPIE ANTI-MESOTHELINE**
[72] ORENTAS, RIMAS, US
[72] SCHNEIDER, DINA, US
[72] DROPULIC, BORO, US
[72] DIMITROV, DIMITER S., US
[72] ZHU, ZHONGYU, US
[71] LENTIGEN TECHNOLOGY, INC., US
[71] THE U.S.A., AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[22] 2018-01-09
[41] 2018-07-12
[62] 3,049,252
[30] US (62/444,201) 2017-01-09

[21] **3,096,800**
[13] A1
[51] **Int.Cl. A61B 17/94 (2006.01) A61B 17/00 (2006.01) A61B 17/32 (2006.01)**
[25] EN
[54] **LAPAROSCOPIC MORCELLATING RECEPTACLE AND METHODS OF USE**
[54] **RECEPTACLE DE MORCELLEMENT LAPAROSCOPIQUE ET METHODES D'UTILISATION**
[72] POLO, OSCAR, US
[71] POLO, OSCAR, US
[22] 2018-02-21
[41] 2018-08-31
[62] 2,996,382
[30] US (15/900,758) 2018-02-20

[21] **3,096,879**
[13] A1
[51] **Int.Cl. G01M 3/26 (2006.01) G01F 1/66 (2006.01) G01R 19/165 (2006.01)**
[25] EN
[54] **WATER METER AND SYSTEMS**
[54]
[72] FORSTER-KNIGHT, ANDREW, AU
[72] LONDONO, JUAN, AU
[72] MOFARDIN, EDDY, AU
[72] DHARMADHIKARI, NINAD MOHAN, AU
[72] CROOK, JONATHAN PHILIP, AU
[72] SWAN, MATTHEW, AU
[72] GEHRIG, COLIN NEIL, AU
[72] MERRY, THOMAS JAMES, AU
[72] NEESON, OWEN DAVID, AU
[72] VAN DER PLAS, JOSEPH IGNATIUS MARIA, AU
[71] SOUTH EAST WATER CORPORATION, AU
[22] 2017-10-13
[41] 2018-04-19
[62] 3,040,190
[30] AU (2016904153) 2016-10-13
[30] AU (2017902012) 2017-05-26

[21] **3,096,888**
[13] A1
[25] EN
[54] **ERGONOMIC IV SYSTEMS AND METHODS**
[54]
[72] BURKHOLZ, JONATHAN KARL, US
[72] PETERSON, BART D., US
[72] BORNHOFT, STEPHEN T., US
[72] CHIA, NEVILLE, SG
[72] SINGH, SIDDHARTH, SG
[72] SONDEREGGER, RALPH L., US
[72] WANG, BIN, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2016-10-06
[41] 2017-05-04
[62] 3,001,905
[30] US (62/247,624) 2015-10-28
[30] US (62/247,621) 2015-10-28
[30] US (62/247,607) 2015-10-28
[30] US (62/247,617) 2015-10-28
[30] US (62/247,599) 2015-10-28
[30] US (62/247,596) 2015-10-28
[30] US (62/247,626) 2015-10-28
[30] US (62/296,385) 2016-02-17
[30] US (62/296,383) 2016-02-17
[30] US (15/286,292) 2016-10-05

[21] **3,096,917**
[13] A1
[25] EN
[54] **MANAGEMENT SYSTEM AND MANAGEMENT METHOD FOR PACKAGES OF SHUFFLED PLAYING CARDS**
[54] **SYSTEME DE GESTION ET METHODE DE GESTION DE PAQUETS DE CARTES A JOUER BATTUES**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL PLAYING CARDS CO., LTD., JP
[22] 2016-03-03
[41] 2016-09-15
[62] 2,978,863
[30] JP (2015-061631) 2015-03-07

[21] **3,096,923**
[13] A1
[25] EN
[54] **EXTENSION TUBING STRAIN RELIEF**
[54] **REDUCTION DES CONTRAINTES DE TUBE DE RALLONGE**
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[72] BURKHOLZ, JONATHAN KARL, US
[72] BIHLMAIER, BRYAN FRED, US
[71] BECTON, DICKINSON AND COMPANY, US
[22] 2016-10-06
[41] 2017-05-04
[62] 3,002,009
[30] US (62/247,626) 2015-10-28
[30] US (62/247,621) 2015-10-28
[30] US (62/247,607) 2015-10-28
[30] US (62/247,617) 2015-10-28
[30] US (62/247,599) 2015-10-28
[30] US (62/247,596) 2015-10-28
[30] US (62/247,624) 2015-10-28
[30] US (62/296,383) 2016-02-17
[30] US (62/296,385) 2016-02-17
[30] US (15/286,212) 2016-10-05

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[51] **Int.Cl. E04B 2/74 (2006.01) A47B 91/02 (2006.01) E04F 15/024 (2006.01) E04H 1/12 (2006.01) F16M 11/24 (2006.01)**
[25] EN
[54] **ADJUSTABLE PEDESTAL FOR PARTITION**
[54] **SOCLE REGLABLE POUR CLOISON**
[72] BABIKIAN, DIKRAN, US
[71] BOBRICK WASHROOM EQUIPMENT, INC., US
[22] 2014-08-19
[41] 2015-02-26
[62] 2,921,038
[30] US (61/868,501) 2013-08-21
[30] US (61/947,935) 2014-03-04

[21] **3,096,949**
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[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/17 (2018.01) A61B 5/145 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **ADVANCE DIAGNOSIS OF INFUSION DEVICE OPERATING MODE VIABILITY**
[54] **DIAGNOSTIC ANTICIPE DE VIABILITE DE MODE DE FONCTIONNEMENT DE DISPOSITIF DE PERFUSION**
[72] MONIRABBASI, SALMAN, US
[72] LINTEREUR, LOUIS J., US
[72] YAN, JIN, US
[71] MEDTRONIC MINIMED, INC., US
[22] 2015-11-25
[41] 2016-06-09
[62] 2,969,217
[30] US (14/561,128) 2014-12-04

[21] **3,096,950**
[13] A1
[51] **Int.Cl. H01Q 15/14 (2006.01) G01S 13/02 (2006.01) H01C 7/02 (2006.01) H01C 10/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MEASUREMENT OF MATERIAL PROPERTY USING VARIABLE REFLECTOR**
[54] **SYSTEME ET PROCEDE POUR LA MESURE D'UNE PROPRIETE DE MATIERE UTILISANT UN REFLECTEUR VARIABLE**
[72] ANNAN, PETER, CA
[72] REDMAN, DAVID, CA
[71] SENSORS & SOFTWARE INC., CA
[22] 2014-06-27
[41] 2014-12-31
[62] 2,914,187
[30] US (61/840,709) 2013-06-28
[30] US (61/840,742) 2013-06-28

[21] **3,097,024**
[13] A1
[51] **Int.Cl. B60K 13/02 (2006.01) B60K 11/06 (2006.01) B62D 21/18 (2006.01)**
[25] EN
[54] **SIDE-BY-SIDE VEHICLE**
[54]
[72] DECKARD, AARON D., US
[72] SWAIN, PHILLIP B., US
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[72] HOUKOM, AUSTIN L., US
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[72] SCHLANGEN, ADAM J., US
[72] ROYTEK, CORRIE S., US
[72] GOFFMAN, DANIEL L., US
[72] JOHNSON, CLINTON A., US
[72] SCHLEIF, ANDREW C., US
[72] FIELDS, JASON R., US
[72] HANEGRAAF, THOMAS C., US
[72] KASTANEK, JOHN A., US
[72] ENDRIZZI, JAMES J., US
[72] JAEGER, RICKY G., US
[72] NYSSE, AARON J., US
[72] NUGTEREN, DANIEL J., US
[72] HURD, CHRIS J., US
[72] CARRUTH, CURTIS C., US
[72] STROBACH, DANIEL P., US
[71] POLARIS INDUSTRIES INC., US
[22] 2013-10-11
[41] 2014-04-17
[62] 2,888,097
[30] US (61/712,396) 2012-10-11
[30] US (61/829,743) 2013-05-31

[21] **3,097,151**
[13] A1
[51] **Int.Cl. B29C 63/32 (2006.01) B31C 5/00 (2006.01) B31C 11/00 (2006.01) F16L 11/24 (2006.01) F16L 55/162 (2006.01)**
[25] EN
[54] **PIPE-FORMING APPARATUS FOR SPIRAL PIPE**
[54]
[72] SUGAHARA, HIROSHI, JP
[72] BABA, TATSUROU, JP
[72] TSUDA, NAOYA, JP
[72] YAMASAKI, MASAHIRO, JP
[71] SEKISUI CHEMICAL CO., LTD., JP
[22] 2017-08-30
[41] 2018-03-08
[62] 3,035,325
[30] JP (2016-167491) 2016-08-30
[30] JP (2016-178380) 2016-09-13
[30] JP (2017-152491) 2017-08-07

[21] **3,097,158**
[13] A1
[25] EN
[54] **MONITOR AND CONTROL OF DIRECTIONAL DRILLING OPERATIONS AND SIMULATIONS**
[54] **SURVEILLANCE ET CONTROLE D'OPERATIONS ET SIMULATIONS DE FORAGE DIRIGE**
[72] SNYDER, JOHN KENNETH, US
[72] GAWSKI, VICTOR, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2007-09-27
[41] 2008-04-03
[62] 2,659,453
[30] US (60/827,209) 2006-09-27

[21] **3,097,160**
[13] A1
[25] EN
[54] **MONITOR AND CONTROL OF DIRECTIONAL DRILLING OPERATIONS AND SIMULATIONS**
[54] **SURVEILLANCE ET CONTROLE D'OPERATIONS ET SIMULATIONS DE FORAGE DIRIGE**
[72] SNYDER, JOHN KENNETH, US
[72] GAWSKI, VICTOR, GB
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2007-09-27
[41] 2008-04-03
[62] 2,659,453
[30] US (60/827,209) 2006-09-27

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[21] **3,097,161**
[13] A1
[51] **Int.Cl. A63G 21/18 (2006.01) A63G 21/02 (2006.01)**
[25] EN
[54] **WATER RIDE**
[54] **MANEGE AQUATIQUE**
[72] HUNTER, RICHARD D., CA
[71] PROSLIDE TECHNOLOGY INC., CA
[22] 2015-03-03
[41] 2015-12-17
[62] 3,085,150
[30] US (62/011,898) 2014-06-13

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[21] **3,097,167**
[13] A1
[25] EN
[54] **COMPOSITE WING STRUCTURE AND METHODS OF MANUFACTURE**
[54]
[72] CARLSON, DAVID G., US
[72] MCCULLOUGH, JOHN R., US
[72] DECKER, GEORGE R., US
[72] WOLFE, DOUGLAS K., US
[72] BAINES, ANDREW G., US
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2017-02-08
[41] 2017-08-08
[62] 2,957,551
[30] US (62/292,673) 2016-02-08
[30] US (15/423,939) 2017-02-03
[30] US (15/423,981) 2017-02-03

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[21] **3,097,210**
[13] A1
[51] **Int.Cl. B65B 31/02 (2006.01) A61J 3/00 (2006.01) B65B 3/00 (2006.01) B65B 43/60 (2006.01)**
[25] EN
[54] **METHOD AND MACHINE FOR PRODUCING STERILE SOLUTION PRODUCT BAGS**
[54] **PROCEDE ET MACHINE DE PRODUCTION DE SACS A PRODUIT POUR SOLUTION STERILE**
[72] BOMGAARS, GRANT ANTHONY, US
[72] RANALLETTA, JOSEPH VINCENT, US
[72] DING, YUANPAN SAMUEL, US
[72] LO, YING-CHENG, US
[72] PASMORE, MARK EDWARD, US
[72] SADOWSKI, MICHAEL JOSEPH, US
[72] HRISTAKOS, ANASTASIOS, US
[72] DUDAR, THOMAS EDWARD, US
[72] KRAUSE, BERND, DE
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE SA, CH
[22] 2017-01-20
[41] 2017-07-27
[62] 3,011,514
[30] US (62/281,825) 2016-01-22

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[21] **3,097,274**
[13] A1
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01)**
[25] EN
[54] **DEPLOYABLE AERODYNAMIC SIDE PANEL SYSTEM**
[54] **SYSTEME DE PANNEAU LATERAL AERODYNAMIQUE DEPLOYABLE**
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[71] MAGNA INTERNATIONAL INC., CA
[22] 2015-03-20
[41] 2015-09-24
[62] 2,939,278
[30] US (61/968,482) 2014-03-21

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[21] **3,097,287**
[13] A1
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/02 (2006.01)**
[25] EN
[54] **DEPLOYABLE AERODYNAMIC SIDE PANEL SYSTEM**
[54]
[72] POVINELLI, ANTHONY J., US
[72] MATTHEWS, MARTIN R., US
[71] MAGNA INTERNATIONAL INC., CA
[22] 2015-03-20
[41] 2015-09-24
[62] 2,939,278
[30] US (61/968,482) 2014-03-21

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[21] **3,097,321**
[13] A1
[51] **Int.Cl. A61F 2/844 (2013.01) A61F 2/24 (2006.01) A61F 2/90 (2013.01)**
[25] EN
[54] **ACTIVELY CONTROLLABLE STENT, STENT GRAFT, HEART VALVE AND METHOD OF CONTROLLING SAME**
[54]
[72] CARTLEDGE, RICHARD, US
[72] SMITH, KEVIN W., US
[72] BALES, THOMAS O., JR., US
[72] DEVILLE, DEREK DEE, US
[72] KLINE, KOREY, US
[72] MENDEZ, MAX PIERRE, US
[72] PALMER, MATTHEW A., US
[72] KIRK, MICHAEL WALTER, US
[72] RIVERA, CARLOS, US
[72] PETERSON, ERIC, US
[72] MCBRAYER, SEAN, US
[71] EDWARDS LIFESCIENCES CARDIAQ LLC, US
[22] 2013-02-21
[41] 2013-08-29
[62] 2,865,013
[30] US (61/601,961) 2012-02-22
[30] US (13/544,379) 2012-07-09
[30] US (61/682,558) 2012-08-13
[30] US (13/656,717) 2012-10-21
[30] US (61/717,037) 2012-10-22
[30] US (61/739,711) 2012-12-19
[30] US (13/772,203) 2013-02-20

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MARTINEZ, MARCOS V. 3,097,833
MARTINI, PAUL MICHAEL 3,097,632
MARTUCCI URDANETA, DAVID DE JESUS 3,097,529
MASRORR, MALIHA 3,097,438
MASSACHUSETTS EYE AND EAR INFIRMARY 3,097,582
MATSUMURA, YUKI 3,097,318
MATZKE, BENJAMIN K. 3,097,388
MAYER, RAPHAEL 3,097,309
MAYRHOFER, KARL 3,097,300
MAZMANIAN, SARKIS 3,097,521
MCCANN, STEPHEN 3,097,946
MCDERMOTT, MICHAEL 3,097,557
MCGINNIS, CHRISTOPHER MICHAEL 3,097,366
MCGOVERN, DERMOT P. 3,097,874
MCINERNEY, DAMIAN 3,097,759
MCKEE, MARK 3,097,750
MEGA-INLINER INTERNATIONAL GROUP B.V. 3,097,522
MEHLIN, CHRISTOPHER 3,097,143
MEHTA, POORN RAJESHBHAI 3,097,502
MEINZ, PETER 3,097,351
MEIR, OFIR 3,098,005
MEITZNER, DIANE 3,097,740
MEJIA PLATA, CAMILO 3,097,228
MELINE, BENJAMIN 3,097,428
MELLING, GERARD 3,097,933
MELLON MEDICAL B.V. 3,097,820
MELNIKOV, OLEG 3,097,365
MEMORIAL SLOAN KETTERING CANCER CENTER 3,097,152
MEMORIAL SLOAN KETTERING CANCER CENTER 3,097,980
MENATO, CHRISTIAN 3,097,301
MENG, ZHIQIANG 3,097,245
MENG, ZHIQIANG 3,097,789
MENTINK, LEON 3,097,464
MERCAPTOR DISCOVERIES, INC. 3,097,510
MERKEL, DIRK 3,097,614
MERMET 3,097,611
MEYER, NATHAN 3,097,428
MEYER, NINA 3,097,921
MEYER, RAIMUND 3,097,604
MEYER, RAIMUND 3,097,639
MEZGHANI, MOKHLES MUSTAPHA 3,097,338
MHYRE, ANDREW JAMES 3,097,143
MIAO, SHIWEI 3,097,417
MICHEAU, PHILIPPE 3,097,435
MICHELSON, GLENN 3,098,012
MICRO-TECH (NANJING) CO., LTD. 3,097,932
MICUCCI, MAURILIO 3,097,314
MIGLIS, ROBERT A. 3,097,554
MIHOK, JOHN 3,098,020
MIKUS, PAUL 3,097,746
MILLARD, JULIAN WILLIAM FRANCIS 3,097,438
MILLER, DAVID 3,097,832
MILLER, JEFFREY 3,097,546
MILLER, ROBERT M. 3,097,388
MILLET, GARY 3,097,570
MILNER, PETER 3,097,744
MINADEO, ADAM DANIEL 3,097,996
MINAMI, YUKI 3,097,177
MINAMI, YUKI 3,097,416
MINE, NATSUKI 3,097,681
MINIMAL GEAR LLC 3,097,447
MINOR, BARBARA HAVILAND 3,097,913
MISONIX, INCORPORATED 3,097,746
MITCHELL, GARY 3,097,981
MITSUBISHI CHEMICAL CORPORATION 3,097,322
MITTAL, NARINDER 3,097,586
MIYANO, SAORI 3,091,153
MIZUTANI, NAOYA 3,098,006
MKS INSTRUMENTS, INC. 3,098,009
MOBUS, HELGE 3,097,920
MOCHIDA, TAISUKE 3,097,962
MODAK, SHAKEEL 3,097,980
MODEN, BJORN 3,097,911
MOERSCH, NICOLA 3,097,309
MOLINARI, ROBERT J. 3,097,744
MOLONEY, PATRICK 3,095,817
MONTANEZ, CHRIS 3,098,041
MONTEMURRO, MICHAEL PETER 3,097,946
MONTINARO, DARIO 3,097,301

MONTRASIO, FABIO 3,097,872
MOON, JEONG JU 3,097,991
MORAES VIEIRA, ANDRE 3,097,589
MORAN, URSULA 3,097,586
MORENO, ANDRE LUIZ 3,097,919
MORENO, ANDRE LUIZ 3,097,935
MORIKAWA, KEISUKE 3,097,326
MORIMOTO, MASAYUKI 3,098,006
MORPHOSYS AG 3,097,253
MORRILL, KYLE 3,097,431
MORRIS, BRYAN CHRISTOPHER 3,097,713
MOSCATO, SERENA 3,097,663
MOSS, JON 3,097,974
MOSTOVOY, ALEXANDER 3,097,906
MOTOMURA, SHINSUKE 3,097,331
MOTOZUKA, HIROYUKI 3,097,958
MOUSSEAU, JULIEN 3,097,435
MPI, LLC 3,097,893
MR INSTRUMENTS, INC. 3,097,828
MU, JIANHAI 3,097,215
MU, JIANHAI 3,097,217
MUJICA, ALEXANDER O. 3,098,040
MULLER, CHRISTOPH 3,097,446
MULLER, STEFAN 3,097,309
MULLER, STEPHAN 3,097,413
MULLER-LIERHEIM, WOLFGANG GEORG KONRAD 3,097,470
MULLER-LIERHEIM, WOLFGANG, GEORG, KONRAD 3,097,478
MULLINS, TORRIN 3,097,026
MUNHOZ ANDERLE, FERNANDA 3,097,311
MUNHOZ ANDERLE, FERNANDA 3,097,315
MUNIR, SHIRIN 3,097,888
MUPPANENI, TAPASWY 3,097,766
MURAVYOV, IGOR 3,097,613
MURPHY, ANDREW 3,098,040
MURPHY, CAROLYN SHAWN 3,097,829
MURRAY, JACOB H. 3,097,751
MURRAY, JACOB H. 3,097,752
MURRAY, MICHAEL CLINE 3,097,349
MURRAY, MICHAEL CLINE 3,097,373
MUTHAPHULI, PHUMUDZO 3,097,994
MYERS, CARSON 3,097,592
NACHMANI, GILAD FRANK 3,097,447
NADEAU, MATHIEU 3,097,435
NAGAR, VIVEK 3,097,880
NAGARAJAN, MURALI 3,097,344
NAGATA, SATOSHI 3,097,318
NAHI, HARETH 3,097,379
NAM, KIYEAN 3,097,694
NANJING BAIXINYU PHARMACEUTICAL CO. LTD. 3,097,053
NANNURU, KALYAN C. 3,098,037
NANTKWEST, INC. 3,097,904
NARAHARA, YUTAKA 3,097,511
NARET, TIMOTHEE 3,097,622
NARSALE, JELENA 3,097,975
NATH, SHRIDHAR CHAMPAKNATH 3,097,959
NATIONAL OILWELL VARCO, L.P. 3,097,690
NATIONAL UNIVERSITY CORPORATION NARA INSTITUTE OF SCIENCE AND TECHNOLOGY 3,097,006
NATURAL FIBER WELDING, INC. 3,097,747
NAVARRO, MARTIN ALSINA 3,097,919
NAVARRO, MARTIN ALSINA 3,097,935
NAYLOR, ALAN 3,097,811
NECTIN THERAPEUTICS LTD. 3,097,679
NEMIROSKI, ALEX 3,097,583
NEOVIRTECH 3,097,255
NEUGEBAUER, JULIA 3,097,253
NEUMANN, YAIR A. 3,097,571
NEURACLE SCIENCE CO., LTD. 3,097,999
NEURIMMUNE AG 3,097,872
NEUROENERGY VENTURES, INC. 3,097,783
NG, JUKI WING-KEUNG 3,097,340
NG, PUI YEE 3,097,696
NGUYEN, DAVID H. 3,097,851
NICCOLAI, LAURA 3,097,835
NICHOLAS, ANTHONY 3,097,656
NICHOLSON, BRUCE 3,097,421
NICOVENTURES TRADING LIMITED 3,095,817
NIMBUS ENGINEERING INC. 3,097,330
NIPPON STEEL CORPORATION 3,097,504
NISHIDA, TETSUO 3,097,681
NISHIZAWA, TOSHIO 3,097,323
NISTALA, HARIKIRAN 3,098,037
NITYANANDAN, ASHWATH 3,097,952
NOCULA-LUGOWSKA, MALGORZATA AGNIESZKA 3,097,605
NOETIC TECHNOLOGIES INC. 3,097,431
NOHARA ATSUSHI 3,097,322
NORLING, RASMUS PAR TOMAS 3,097,542
NORTH AMERICAN WAVE ENGINE CORPORATION 3,097,592
NORTH, JANINE D. 3,097,340
NOVARTIS AG 3,097,312
NOVO NORDISK A/S 3,097,939
NOVO NORDISK A/S 3,097,944
NOVO, BARBARA 3,097,672
NOVOZYMES BIOAG A/S 3,097,942
NOXSANO INC. 3,097,757
NPROXX B.V. 3,097,786
NTSOELENGOE, BONGI 3,097,994
NTT DOCOMO, INC. 3,097,318
NTT DOCOMO, INC. 3,097,680
NUE, MARTIN 3,097,691
NYSNOBIO IRELAND DAC 3,097,886
O&M HALYARD INC. 3,096,592
O'DONNELL, MICHAEL 3,097,616
O'GRIFFIN, MOSE 3,097,719
O'GRIFFIN, MOSE 3,097,723
O'NEILL, PAUL C. 3,097,868
OBERBERGER, MICHAEL 3,097,824
OBERLE, SR., JOSEPH F. 3,097,305
OBERNOSTERER, FRANK 3,097,604
OBERNOSTERER, FRANK 3,097,639
OCKERMANN, PHILIPP 3,097,663
OCV INTELLECTUAL CAPITAL, LLC 3,097,841
ODA, KOJI 3,097,022
OGDEN, JOSH 3,097,472
OHBA, KAORU 3,097,215
OHBA, KAORU 3,097,217
OHSUGI, YASUO 3,097,504
OISIN BIOTECHNOLOGIES, INC. 3,097,411
OKABE, MAKI 3,098,006
OLIVARES, NIC 3,097,356
OLON S.P.A. 3,097,672
OLSON, JAMES 3,097,143
OMNIOME, INC. 3,097,583
OMS INVESTMENTS, INC. 3,097,984
ONQUALITY PHARMACEUTICALS CHINA LTD. 3,097,067
OPET, NATHAN 3,097,940
OPPILLIART, SOPHIE 3,097,251
OR, YAT SUN 3,097,982
OREGON HEALTH & SCIENCE UNIVERSITY 3,097,914
ORICA INTERNATIONAL PTE LTD. 3,097,344
OUTOTEC (FINLAND) OY 3,097,462
OUTOTEC (FINLAND) OY 3,097,466
OUTOTEC (FINLAND) OY 3,097,467
OUTOTEC (FINLAND) OY 3,097,473
OUZUNOVA, MILENA 3,097,921
OVERCAST HOLDINGS, LLC 3,097,978
OWEN OIL TOOLS LP 3,098,041
OWENS, CHARLOTTE D. 3,097,340
PACHECO, OLIVIA 3,097,690
PACKABLE B.V. 3,097,234
PACOTRADE AG 3,097,410
PACOTRADE AG 3,097,412
PADMANABHAN, KANCHANA 3,097,449
PALAC, HANNAH 3,097,340
PALACIOS, SANTIAGO 3,097,836
PALLIN, JAN EGIL 3,097,702
PAMPERIN, MARK T. 3,096,592
PAN, DEQUAN 3,097,306
PAN, KE 3,097,399
PAN, XIANDAO 3,097,778
PANANDIKER, RAJAN KESHAV 3,098,043
PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA 3,097,958
PANDEY, ANJALI 3,098,012
PARIKH, PARAS 3,097,971
PARINUSSA, SARAH ANNE 3,097,814
PARK, DONGSIK 3,097,694
PARK, JIHYE 3,097,585
PARK, JUNGMIN 3,097,520

PARK, MIN HEE 3,097,685
PARKS, JESSICA 3,097,621
PARMAR, KAUSHIK 3,097,764
PARNELL, JOHN JACOB 3,097,942
PASARIBU, HENRY RIHARD 3,097,797
PASINI, DAMIANO 3,097,190
PASTIFICIO RANA S.P.A. 3,097,480
PASTIFICIO RANA S.P.A. 3,097,673
PASTIFICIO RANA S.P.A. 3,097,830
PATCH, RAYMOND 3,097,812
PATEL, HARITOSH 3,097,582
PAUL, VIPUL 3,098,020
PAVLICHENKO, IDA 3,097,582
PEETERS, CELINE 3,097,459
PEEVYHOUSE, JEREMIAH 3,097,719
PEEVYHOUSE, JEREMIAH 3,097,723
PELLETIER, MARC-ANTOINE 3,097,445
PELLI SKIN CO., LLC 3,097,829
PELLI, ANTTI 3,097,462
PELLI, ANTTI 3,097,466
PELLI, ANTTI 3,097,467
PELLI, ANTTI 3,097,473
PELOSO, PAUL M. 3,097,340
PENG, HUA 3,097,995
PENG, LIHUA 3,097,781
PENG, YANFEI 3,097,634
PENG, YUXING 3,097,225
PENHASI, ADEL 3,097,489
PENNER, AL 3,097,598
PENNEY, MARINA 3,097,774
PENTLAND, IAN 3,089,289
PENZES, MATE 3,097,479
PEPSICO, INC. 3,097,967
PEREIRA, NIGEL BRETT 3,097,344
PEREZ BAY, ANDRES 3,097,711
PEREZ VIDAL, OSCAR 3,097,302
PERFETTI VAN MELLE S.P.A. 3,097,796
PERFETTINI, JEAN LUC 3,097,739
PERKINELMER HEALTH SCIENCES CANADA, INC. 3,097,763
PERRY, JASON M. 3,097,419
PESKIN, EVAN 3,097,880
PETER, MARC 3,097,654
PETRMICHL, RUDOLPH 3,097,838
PETROLEO BRASILEIRO S.A. - PETROBRAS 3,097,589
PETUSHKOV, ANTON 3,097,911
PEYROT, SARA MARIE 3,097,742
PHILIPPOU, HELEN 3,097,811
PHILLIPS, DEBJANI 3,097,428
PHOENIX INDUSTRIES PTY LTD 3,097,918
PHYTOPTION LLC 3,097,700
PIAGGIO FAST FORWARD, INC. 3,098,000
PICCOLO, ORESTE 3,097,628
PIECHOTTA, ANKE 3,097,740
PIEGSA, SIEGFRIED 3,097,936
PIERZ, ALBERT C. 3,097,747
PIERZ, IAN T. 3,097,747
PIGNOCCHI, CRISTINA 3,098,005
PIONEER HI-BRED INTERNATIONAL, INC. 3,097,902
PIONEER HI-BRED INTERNATIONAL, INC. 3,097,915
PIONEER HI-BRED INTERNATIONAL, INC. 3,097,963
PIOT, SOPHIE 3,097,464
PIPE-AQUA-TEC GMBH & CO.KG 3,097,790
PITCO FRIALATOR, INC. 3,097,528
PIV SECURITY LLC 3,097,749
PLAHEY, KULWINDER S. 3,097,901
PLATZEK, JOHANNES 3,097,924
POISSON, ETIENNE 3,097,472
POLY-MED, INC. 3,097,530
POLYCAPS HOLDINGS LTD. 3,097,489
POLZIN, KAYLA MARIE 3,097,595
POPA, SORIN 3,097,477
PORTOLA PHARMACEUTICALS, INC. 3,098,012
POTOCKY, TERRA 3,097,711
POTTER, JOSHUA 3,098,020
PQ CORPORATION 3,097,911
PRACHT, ROLF 3,097,617
PRATT, DAN W. 3,098,041
PRAXAIR TECHNOLOGY, INC. 3,097,145
PRECISION NANOSYSTEMS INC. 3,097,203
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,097,582
PRICE, ABEL 3,097,770
PRINTNET KERESKEDELMI ES SZOLGALTATO KFT. 3,097,479
PROCARE HEALTH IBERIA, S.L. 3,097,836
PROIA, THERESA 3,097,486
PROMATON HOLDING B.V. 3,097,814
PROSLIDE TECHNOLOGY INC. 3,097,785
PROSSER, NEIL M. 3,097,145
PROTEOR 3,097,627
PROVINS, LAURENT 3,097,818
PROVOT, OLIVIER 3,097,622
PUJARI, SASWATI 3,097,342
PUJARI, SASWATI 3,097,377
PULLIT-PROCIAK, JOLANTA 3,097,471
PULUKKUNAT, DILEEP KUMAR 3,097,605
PURPURA, MARTIN 3,097,629
Q-LINEA AB 3,097,602
QAZI, SMEENA 3,097,438
QIAO, WEILIN 3,097,781
QIU, WULIN 3,097,831
QIU, WULIN 3,097,833
QPEX BIOPHARMA, INC. 3,097,127
QUESNEL, YANNICK 3,097,818
QUIJANO, CARLOS VICENTE ARANA 3,097,344
QURIENT CO., LTD. 3,097,694
R.A JONES & CO. 3,097,970
RADHAKRISHNAN, SHRIRAM 3,097,349
RADHAKRISHNAN, SHRIRAM 3,097,373
RAFAEL PHARMACEUTICALS, INC. 3,097,380
RAGNARSSON, ANDERS 3,097,537
RAGUPATHI, GOVIND 3,097,980
RAHMANI, REZA 3,097,690
RAJAGOPALAN, LAKSHMI 3,097,998
RAJPARA, VIPUL P. 3,097,895
RAMOS, RITA 3,097,312
RAMSBECK, DANIEL 3,097,740
RANA, GIAN LUCA 3,097,480
RANA, GIAN LUCA 3,097,673
RANA, GIAN LUCA 3,097,830
RANA, ROHINI RAJYALAXMI 3,097,665
RANALLI, GIUSEPPE 3,097,314
RANDOLPH, PAUL 3,097,559
RANDOLPH, PAUL 3,097,776
RAO, VIVEK 3,097,762
RASHID, RUMANA 3,097,593
RASHID, RUMANA 3,097,625
RASHID, RUMANA 3,097,649
RASHID, RUMANA 3,097,741
RAVIN, NITAY 3,097,592
RAVISANKAR, SAI KISHORE 3,097,460
RAY, SUMAN SINHA 3,097,753
RAZ, BRUNO 3,097,691
REAL TIME INTEL, LLC 3,097,860
RECHES, ADI 3,097,679
REDBUD LABS, INC. 3,097,960
REDDY, RAJA K. 3,097,127
REEDTZ-RUNGE, STEFFEN 3,097,939
REGENERON PHARMACEUTICALS, INC. 3,097,711
REGENERON PHARMACEUTICALS, INC. 3,097,903
REGENERON PHARMACEUTICALS, INC. 3,098,037
REGENERON PHARMACEUTICALS, INC. 3,098,040
REHM, ERIC 3,097,891
REIBENSCHUH, MARKO 3,095,721
REID, AARNE H. 3,097,373
REID, DAVID H. 3,097,373
REID, DAVID H., JR. 3,097,349
RELIANCE WORLDWIDE CORPORATION 3,097,460
REMENSCHNEIDER, AARON KYLE 3,097,582
REN, HUA 3,097,215
REN, HUA 3,097,217
RENCK, OMAR WANDIR 3,097,311
RENCK, OMAR WANDIR 3,097,315
REPASI, JOZSEF 3,097,479
RESTIFO, NICHOLAS P. 3,097,858
RETROTOPE, INC. 3,097,744
REVILL, CHARLOTTE 3,097,811
RHEEM MANUFACTURING COMPANY 3,097,440
RHEINECK, THOMAS J. 3,097,828
RIBAS, ANTONI 3,097,543
RIBEIRO, ROBERTO VANIN PINTO 3,097,762

RICHARDS, CHRISTOPHER EUGENE 3,097,509
RICHARDS, PAUL WILLIAM 3,097,551
RICHART, OLIVIER 3,097,482
RICORD, LEON 3,097,828
RIDGE, GARRETT 3,097,942
RIED, AARNE, H. 3,097,349
RIOUX, ROBERT F. 3,097,666
RISHI, JOBANPUTRA 3,097,177
RISHI, JOBANPUTRA 3,097,416
RITTGERS, MARK A. 3,097,630
RKW SE 3,097,463
ROACH, PETER 3,097,349
ROACH, PETER 3,097,373
ROBERT, JORG 3,097,639
ROBERTS, KIRA BULAZEL 3,097,621
RODA FUTURA, LLC 3,097,880
RODGERS, TRAFTON D. 3,097,496
RODRIGUEZ, GABRIEL ABRIL 3,097,543
RODRIGUEZ-VILLEGAS, ESTHER 3,097,900
ROEHRL, JONATHAN J. 3,097,540
ROGATCHEVA, MARGARITA 3,097,745
ROHM AND HAAS COMPANY 3,097,645
ROHM AND HAAS COMPANY 3,097,761
ROHM AND HAAS COMPANY 3,097,876
ROQUETTE FRERES 3,097,464
ROQUETTE FRERES 3,097,609
ROSEN SWISS AG 3,097,601
ROTH, JONATHAN 3,097,895
ROTHE, MICHAEL 3,097,495
ROUSH, WILLIAM R. 3,097,865
ROVI GUIDES, INC. 3,097,361
ROVI GUIDES, INC. 3,097,500
ROY + LECLAIR EMBALLAGE INC. 3,097,603
ROY, BAISHALI 3,097,930
ROY, JEREMY 3,097,782
ROY, VINCENT 3,097,255
RUBICONI, FRANCK 3,097,177
RUBICONI, FRANCK 3,097,416
RUBIKLOUD TECHNOLOGIES INC. 3,097,449
RUDENT, PASCAL 3,097,257
RUDNITSKAYA, ALEKSANDRA 3,097,696
RUGGIERI, GIOVANNI 3,097,314
RUNZ, STEFFEN 3,097,253
RUSHE, MIA MARIE 3,097,872
RUSSELL, GREGORY AUGUST 3,097,893
RYU, HIDEKAZU 3,097,022
S&R FARMACEUTICI S.P.A. 3,097,468
S.P.C.M. SA 3,097,657
S.P.M. FLOW CONTROL, INC. 3,097,908
S3 ENTERPRISES INC. 3,097,598
SACCANI, CESARE 3,096,927
SACCOMANDO, DANIEL J. 3,097,534
SAEKI, SHUHEI 3,077,783
SAINI, PRABHJOT 3,097,530
SAKAMOTO, TAKENORI 3,097,958
SALAMOUN, JOSEPH MICHAEL 3,097,751
SALAZAR, RUBEN 3,097,689
SALUBRIS (CHENGDU) BIOTECH CO., LTD 3,097,062
SALVAIL, ALEX 3,097,445
SAMADANI, UZMA 3,097,847
SAMPSON, TIMOTHY 3,097,521
SAMSUNG ELECTRONICS CO., LTD. 3,097,520
SAMUEL, STEVAN 3,097,757
SAN MARTIN, MARYANN 3,097,486
SANCHEZ, JAVIER 3,097,928
SANDHU, JOHN 3,097,719
SANDHU, JOHN 3,097,723
SANDHU, NEIL 3,097,719
SANDHU, NEIL 3,097,723
SANDOVAL, MARIAN BEECHER 3,097,902
SANDU, CONSTANTINE 3,097,922
SANG, YIJUN 3,097,363
SANG, YIJUN 3,097,753
SANKARAN, PRASHANTH 3,097,415
SANSOUR, YOUSEF 3,097,662
SANTIAGO-RIVERA, JOSE A. 3,097,752
SANTOS, WEBSTER L. 3,097,751
SANTOS, WEBSTER L. 3,097,752
SANYO CHEMICAL INDUSTRIES, LTD. 3,097,499
SANYO CHEMICAL INDUSTRIES, LTD. 3,097,516
SANZ, MIGUEL GARZON 3,095,765
SARIG, DROR 3,097,756
SARRICA, ANDREA 3,097,796
SATO, YOSHINORI 3,097,681
SATO, YU 3,097,712
SAUDI ARABIAN OIL COMPANY 3,097,338
SAUDI ARABIAN OIL COMPANY 3,097,362
SAVAYA, IAN 3,097,863
SAXENA, PAWAN 3,097,545
SAYLOR, KATHLEEN H. 3,097,545
SCA FOREST PRODUCTS AB 3,097,371
SCHAD, BEVERLY ANN 3,097,783
SCHAEFER, ERIC M. 3,097,970
SCHARF, CHRISTOPH 3,097,971
SCHERR, SEBASTIAN 3,097,617
SCHILLING, BERNHARD 3,097,903
SCHLICHT, MICHAEL 3,097,639
SCHLUMBERGER CANADA LIMITED 3,097,743
SCHMEHL, PETER 3,097,719
SCHMEHL, PETER 3,097,723
SCHMIDT, DANIEL 3,097,974
SCHNAPP, JEFFREY 3,098,000
SCHNEIDER, DAVID 3,097,718
SCHNEIDER, JARED 3,097,485
SCHOEN, YVES LOUIS CHARLY ARJEN 3,097,797
SCHOLZ, MATTHEW REIN 3,097,411
SCHOOR, OLIVER 3,097,591
SCHOOR, OLIVER 3,097,698
SCHUBERT, MARTIN 3,097,458
SCHUBERT, MARTIN 3,097,493
SCHUBERT, MARTIN 3,097,495
SCHULTZ, CRAIG 3,097,608
SCHUSTER, HEIKO 3,097,698
SCHWAAB, TREVOR C. 3,097,596
SCHWARZ, BOAZ 3,097,677
SCHWARZ, HANS-GEORG 3,097,442
SCHYVER, BRIAN 3,097,760
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