Canadian Intellectual Property Office

An Agency of Industry Canada

Office de la propriété intellectuelle du Canada

Un organisme d'Industrie Canada

ISSN-1712-4034

The Patent Office Record

La Gazette du Bureau des brevets

Vol. 148 No. 11 March 17, 2020

Vol. 148 No. 11 le 17 mars 2020

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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Commissioner of Patents

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Commissaire aux brevets

Table of Contents
Table des matières

Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$260**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**260 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

On this page:

14. Procédures de correspondance

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

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

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

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

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

Sur cette page :

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

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

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

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

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

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

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

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

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

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

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

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

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

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

1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée** et qu'**aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des établissements ou des

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

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

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

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

2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

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

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

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

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

2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

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

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

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

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

open for business.

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

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the Trademarks Opposition Board's online web application:

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

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

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

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

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

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

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

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

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

- Time period extensions under the Patent, Trademarks and Industrial Design Acts
- Time period extensions under the Copyright and Integrated Circuit Topography Acts
- Time period extensions under the Patent Cooperation Treaty
- Time period extensions under the Madrid Protocol and the Hague Agreement

5. Prorogation des délais

- Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels
- Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés
- Prorogation des délais en vertu du le Traité de coopération en matière de brevets
- Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

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

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

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

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

- Every Saturday and Sunday;
- New Year's Day (January 1)*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)*;
- Canada Day (July 1)*;
- The first Monday in August;***
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

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

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

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

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

- Tous les samedis et dimanches;
- Nouvel An (1er janvier)*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)*;
- Fête du Canada (1er juillet)*;
- Le premier lundi du mois d'août***;
- Fête du travail : Premier lundi du mois de septembre;

- Remembrance Day (November 11)*;
- Christmas Day (December 25)**;
- Boxing Day (December 26)** ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

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

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

***Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

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

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

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)*;
- Jour de Noël (25 décembre)**;
- Lendemain de Noël** ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

15. Demandes canadiennes mises à la disponibilité du public

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

16. Erratum

Patent number 2,981,561 was issued in error and is considered by the Patent Office to not have been granted or issued. All information respecting patent 2,981,561 in the list of *Canadian Patents Issued* contained in the December 10, 2019 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

Patent number 3,020,576 was issued in error and is considered by the Patent Office to not have been granted or issued. All information respecting patent 3,020,576 in the list of *Canadian Patents Issued* contained in the December 10, 2019 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

Patent number 2,962,967 was issued in error and is considered by the Patent Office to not have been granted or issued. All information respecting patent 2,962,967 in the list of *Canadian Patents Issued* contained in the December 17, 2019 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

Patent number 2,865,056 was issued in error and is considered by the Patent Office to not have been granted or issued. All information respecting patent 2,865,056 in the list of *Canadian Patents Issued* contained in the December 10, 2019 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

Patent number 2,838,637 was issued in error and is considered by the Patent Office to not have been granted or issued. All information respecting patent 2,838,637 in the list of *Canadian Patents Issued* contained in the December 10, 2019 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

Patent number 3,034,904was issued in error and is considered by the Patent Office to not have been granted or issued. All information respecting patent 3,034,904 in the list of *Canadian Patents Issued* contained in the January 21, 2020 issue of the *Canadian Patent Office Record* was erroneously published and should be disregarded.

16. Erratum

Le brevet numéro 2,981,561 a été délivré par erreur et le Bureau des brevets estime qu'il n'a pas été accordé ou délivré. Tous renseignements se rapportant au brevet 2,981,561 qui sont présentés dans la liste des *brevets canadiens délivrés* contenue dans l'édition du 10 décembre 2019 de *la Gazette du Bureau des brevets* ont été publiés par erreur et doivent être ignorés.

Le brevet numéro 3,020,576 a été délivré par erreur et le Bureau des brevets estime qu'il n'a pas été accordé ou délivré. Tous renseignements se rapportant au brevet 3,020,576 qui sont présentés dans la liste des *brevets canadiens délivrés* contenue dans l'édition du 10 décembre 2019 de *la Gazette du Bureau des brevets* ont été publiés par erreur et doivent être ignorés.

Le brevet numéro 2,962,967 a été délivré par erreur et le Bureau des brevets estime qu'il n'a pas été accordé ou délivré. Tous renseignements se rapportant au brevet 2,962,967 qui sont présentés dans la liste des *brevets canadiens délivrés* contenue dans l'édition du 17 décembre 2019 de *la Gazette du Bureau des brevets* ont été publiés par erreur et doivent être ignorés.

Le brevet numéro 2,865,056 a été délivré par erreur et le Bureau des brevets estime qu'il n'a pas été accordé ou délivré. Tous renseignements se rapportant au brevet 2,865,056 qui sont présentés dans la liste des *brevets canadiens délivrés* contenue dans l'édition du 10 décembre 2019 de *la Gazette du Bureau des brevets* ont été publiés par erreur et doivent être ignorés.

Le brevet numéro 2,838,637 a été délivré par erreur et le Bureau des brevets estime qu'il n'a pas été accordé ou délivré. Tous renseignements se rapportant au brevet 2,838,637 qui sont présentés dans la liste des *brevets canadiens délivrés* contenue dans l'édition du 10 décembre 2019 de *la Gazette du Bureau des brevets* ont été publiés par erreur et doivent être ignorés.

Le brevet numéro 3,034,904 a été délivré par erreur et le Bureau des brevets estime qu'il n'a pas été accordé ou délivré. Tous renseignements se rapportant au brevet 3,034,904 qui sont présentés dans la liste des *brevets canadiens délivrés* contenue dans l'édition du 21 janvier 2020 de *la Gazette du Bureau des brevets* ont été publiés par erreur et doivent être ignorés.

Canadian Patents Issued

March 17, 2020

Brevets canadiens délivrés

17 mars 2020

Canadian Applications Open to Public Inspection

March 1, 2020 to March 7, 2020

Demandes canadiennes mises à la disponibilité du public

1 mars 2020 au 7 mars 2020

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[21] **3,016,366**
[13] A1
[51] **Int.Cl. G16H 40/20 (2018.01) G06F 21/62 (2013.01) G16H 10/60 (2018.01)**
[25] EN
[54] **EMERGENCY ROOM TRIAGE AND INTAKE SYSTEM MANAGEMENT SOFTWARE**
[54] **LOGICIEL DE GESTION DE SYSTEME DE TRIAGE ET D'ADMISSION DE SALLE D'URGENCE**
[72] MEHTA, MIRAL S., CA
[71] MEHTA, MIRAL S., CA
[22] 2018-09-04
[41] 2020-03-04

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[21] **3,016,395**
[13] A1
[51] **Int.Cl. G06F 21/62 (2013.01) G06F 16/18 (2019.01)**
[25] EN
[54] **USING GEOGRAPHICALLY DEFINED, PRIVATE INTERPLANETARY FILE SYSTEM CLUSTERS FOR THE SECURE STORAGE, RETRIEVAL AND SHARING OF ENCRYPTED BUSINESS DATA**
[54] **UTILISATION DE GROUPES DE SYSTEMES DE FICHIERS INTERPLANETAIRES PRIVES DEFINIS GEOGRAPHIQUEMENT POUR STOCKAGE, RECUPERATION ET PARTAGE SECURISES DE DONNEES COMMERCIALES CHIFFREES**
[72] MULTANI, MICKY, CA
[71] MULTANI, MICKY, CA
[22] 2018-09-04
[41] 2020-03-04

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[13] A1
[51] **Int.Cl. G01S 19/01 (2010.01) G01S 19/19 (2010.01) G01S 19/46 (2010.01) G03B 29/00 (2006.01)**
[25] EN
[54] **FIND IT MAP SYSTEM AND METHOD**
[54] **SYSTEME DE POSITIONNEMENT ET DE DETECTION ET PROCEDE**
[72] CASWELL, AARON, CA
[71] CASWELL, AARON, CA
[22] 2018-09-04
[41] 2020-03-04

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[21] **3,016,506**
[13] A1
[51] **Int.Cl. A61G 5/10 (2006.01)**
[25] EN
[54] **A TILT LOCK MECHANISM FOR A TILTING WHEELCHAIR SEAT**
[54] **MECANISME DE BASCULEMENT A BLOCAGE POUR SIEGE DE FAUTEUIL ROULANT INCLINABLE**
[72] MAIOLO, ETHAN, CA
[72] PANG, NELSON, CA
[72] HARDING, DAVID, CA
[71] RAZ DESIGN INC., CA
[22] 2018-09-05
[41] 2020-03-05

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[21] **3,016,533**
[13] A1
[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **AUTOMATED TARPING SYSTEM**
[54] **SYSTEME DE BACHAGE AUTOMATISE**
[72] JUAN, ALEJANDRO JOSE, CA
[72] VERSTEEG, RICHARD JOHANNES ROBERT, CA
[71] VALID MANUFACTURING LTD., CA
[22] 2018-09-05
[41] 2020-03-05

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[21] **3,016,544**
[13] A1
[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
[71] BOURGAULT INDUSTRIES LTD., CA
[22] 2018-09-05
[41] 2020-03-05

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[13] A1
[51] **Int.Cl. G06Q 50/26 (2012.01) H04W 4/02 (2018.01)**
[25] EN
[54] **WIN DRAW SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE SELECTION ET DE TIRAGE**
[72] JACKSON, KARLEIGH L., CA
[71] JACKSON, KARLEIGH L., CA
[22] 2018-09-06
[41] 2020-03-06

[21] **3,016,671**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06F 3/14 (2006.01) G06Q 40/04 (2012.01)**
[25] EN
[54] **DEVICES AND METHODS FOR PROVIDING NOTIFICATIONS**
[54] **DISPOSITIFS ET PROCEDES D'ENVOI D'AVIS**
[72] KURUVILLA, DENNY DEVASIA, CA
[72] GJINI, ESLI, CA
[72] REEVE, SARAH, CA
[72] BOSNJAKOVIC, MATIJA, CA
[72] GUY, DAGMARA, CA
[72] SAMRA, JASPAL SINGH, CA
[72] NATARAJAN, ABHINEY, CA
[72] LI, HAOBIN, CA
[72] YU, RICHARD, CA
[72] CHOWDHURY, MD ABDUR RAZZAK, CA
[72] GLYNN-UDROW, NOLAN, CA
[72] DANI, KARTIKAY, CA
[72] WU, RYAN, CA
[72] PETROV, ANDREY, CA
[72] HORVATH, PETER, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2018-09-06
[41] 2020-03-06

[21] **3,016,782**
[13] A1
[51] **Int.Cl. B65D 83/76 (2006.01) B67D 7/02 (2010.01) B67C 9/00 (2006.01) A23L 2/00 (2006.01)**
[25] EN
[54] **BEVERAGE PRODUCTION CONTAINER COMPRISING PORT-CARRYING PLUNGER FOR TRANSFERRING MATERIAL INTO AND OUT OF THE SAME**
[54] **RECIPIENT DE PRODUCTION DE BOISSON COMPRENANT UN PISTON PLONGEUR DE SUPPORT AVEC ORIFICE POUR TRANSFERER DES MATIERES DANS ET HORS CELUI-CI**
[72] HOFER, LEONARD, CA
[71] HOFER, LEONARD, CA
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,783**
[13] A1
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/32 (2006.01) A61N 1/40 (2006.01)**
[25] EN
[54] **DELIVERING TUMOR TREATING FIELDS(TTFIELDS) TO THE INFRATENTORIAL BRAIN**
[54] **FOURNITURE DE CHAMPS DE TRAITEMENT DE TUMEUR (TTFIELDS) DANS LA REGION SOUS-TENTORIELLE DU CERVEAU**
[72] NAVEH, ARIEL, IL
[72] LEVI, SHAY, IL
[72] BOMZON, ZEEV, IL
[72] KIRSON, EILON, IL
[71] NOVOCURE LIMITED, JE
[22] 2018-09-07
[41] 2020-03-04
[30] US (16/120927) 2018-09-04

[21] **3,016,784**
[13] A1
[51] **Int.Cl. B03B 9/02 (2006.01) B03D 1/02 (2006.01)**
[25] EN
[54] **DIRECT STEAM INJECTION (DSI) HEATING AND USE IN BITUMEN FROTH TREATMENT OPERATIONS**
[54] **CHAUFFAGE PAR INJECTION DIRECTE DE VAPEUR ET UTILISATION DANS LES CENTRES DE TRAITEMENT DE MOUSSE DE BITUME**
[72] ELLIGSON, SHANE, CA
[72] GUPTA, SIDDHARTH, CA
[72] BAVARESCO, JUAN, CA
[72] VAN DER MERWE, SHAWN, CA
[72] WARD, JAIME, CA
[72] VENTER, THEUNIS, CA
[72] BUCKINGHAM, DAVID, CA
[71] FORT HILLS ENERGY L.P., CA
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[41] 2020-03-07

[21] **3,016,788**
[13] A1
[51] **Int.Cl. B42D 25/342 (2014.01) B42D 25/351 (2014.01) B42D 25/41 (2014.01) B41M 3/14 (2006.01)**
[25] EN
[54] **SECURITY DEVICE FOR SECURITY DOCUMENTS**
[54] **DISPOSITIFS DE SECURITE POUR DOCUMENTS SECURISES**
[72] THURAILINGAM, THIVAHARAN, CA
[72] GOW, KEITH A., CA
[71] CANADIAN BANK NOTE COMPANY, LIMITED, CA
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,795**
[13] A1
[51] **Int.Cl. A61K 36/185 (2006.01) A24B 15/18 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PRODUCTION OF A CONCENTRATED CANNABINOID PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UN PRODUIT CONCENTRE DE CANNABINOIDES**
[72] FEUER, BRADLEY, US
[72] SULAK, DUSTIN, US
[72] CHRIST, WILLIAM J., US
[72] LAPENTA, ROSS J., US
[72] FEUER, MICHAEL, US
[71] HEALER, LLC, US
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,836**
[13] A1
[51] **Int.Cl. C04B 16/02 (2006.01)**
[25] EN
[54] **CRYSTALLINE CELLULOSE REINFORCED CEMENT**
[54] **CIMENT RENFORCE AVEC DE LA CELLULOSE CRISTALLINE**
[72] MCALPINE, SEAN, CA
[72] NAKONESHNY, JORY, CA
[72] KUNKEL, BLAINE, CA
[71] NANO-GREEN BIOREFINERIES INC., CA
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,908**
[13] A1
[51] **Int.Cl. C10G 1/04 (2006.01)**
[25] EN
[54] **NON-AQUEOUS EXTRACTION OF BITUMEN FROM OIL SANDS**
[54] **EXTRACTION NON AQUEUSE DU BITUME DES SABLES BITUMINEUX**
[72] HUQ, IFTIKHAR, CA
[72] DOUCETTE, BRIAN, CA
[72] ABBASPOUR, ALI, CA
[72] HYNDMAN, ALEXANDER, CA
[72] BARGE, JOHN, CA
[72] MELO, DANIEL, CA
[72] ODUT, STEPHEN, CA
[72] ROJEK, LUCAS, CA
[72] TACIUK, GORDON, CA
[71] SUNCOR ENERGY INC., CA
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS (CANADA) INC., CA
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,928**
[13] A1
[51] **Int.Cl. A01K 39/01 (2006.01) A01K 39/04 (2006.01) B28B 3/00 (2006.01) B28C 3/00 (2006.01)**
[25] EN
[54] **PECKING BLOCK AND METHOD OF PREPARATION THEREOF**
[54] **BLOC DE PICORAGE ET MODE DE PREPARATION ASSOCIEE**
[72] AYLEN, PETER B., CA
[72] GURNEY, STEVEN W., CA
[72] BYLYCIA, JENNIFER, CA
[72] BAKER, RICHARD BARRY, CA
[72] SCHNEIDER, REED, US
[71] AYLEN, PETER B., CA
[71] GURNEY, STEVEN W., CA
[71] BYLYCIA, JENNIFER, CA
[71] BAKER, RICHARD BARRY, CA
[71] SCHNEIDER, REED, US
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,933**
[13] A1
[51] **Int.Cl. F24H 9/20 (2006.01) C02F 1/02 (2006.01) F24H 1/20 (2006.01) H05B 1/02 (2006.01)**
[25] FR
[54] **ELECTRIC WATER HEATER CONTROL BASED ON A CONTINUOUSLY MEASURED INDEX OF LEGIONELLA SAFETY**
[54] **CONTROLE D'UN CHAUFFE-EAU ELECTRIQUE EN FONCTION D'UN INDICE D'INNOCUITE A LA LEGIONELLE MESURE EN CONTINU**
[72] MOREAU, ALAIN, CA
[72] LAPERRIERE, ANDRE, CA
[72] LAURENCELLE, FRANCOIS, CA
[71] HYDRO-QUEBEC, CA
[22] 2018-09-07
[41] 2020-03-07

[21] **3,016,944**
[13] A1
[51] **Int.Cl. F24B 1/192 (2006.01) F24B 1/188 (2006.01) F24B 7/00 (2006.01) F24C 15/04 (2006.01) F24C 15/32 (2006.01)**
[25] EN
[54] **SAFETY BARRIER HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR MUNI D'UNE BARRIERE DE SURETE**
[72] WARDROP, WALTER, CA
[72] WALTER, ROBERT, CA
[72] BARBER, NICHOLAS, CA
[71] WARDROP, WALTER, CA
[71] WALTER, ROBERT, CA
[71] BARBER, NICHOLAS, CA
[22] 2018-09-06
[41] 2020-03-06

[21] **3,017,182**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **WHEAT VARIETY W080385C1**
[54] **VARIETE DE BLE W080385C1**
[72] LASKAR, WILLIAM JOSEPH, US
[72] LIVELY, KYLE JAY, US
[72] MARSHALL, GREGORY CHARLES, US
[72] UPHAUS, JAMES JOSEPH, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2018-09-11
[41] 2020-03-05
[30] US (16/121,961) 2018-09-05

[21] **3,017,301**
[13] A1
[51] **Int.Cl. C10G 9/16 (2006.01) C10G 9/20 (2006.01)**
[25] EN
[54] **TOWER BOTTOMS COKE CATCHING DEVICE**
[54] **DISPOSITIF RECEPTEUR DE COKE DANS LES FONDS DE TOUR**
[72] CANTLEY, GREGORY A., US
[72] VAIL, ROSS, US
[72] YADEN, KATHLEEN, US
[72] BROOKS, RAY, US
[71] MARATHON PETROLEUM COMPANY LP, US
[22] 2018-09-13
[41] 2020-03-07
[30] US (16/124,322) 2018-09-07

[21] **3,018,121**
[13] A1
[51] **Int.Cl. B29C 70/46 (2006.01)**
[25] EN
[54] **MOLDING ASSEMBLY AND METHOD OF CO-CURING STIFFENER WITH PANEL**
[54] **ENSEMBLE DE MOULAGE ET PROCEDE DE CO-DURCISSEMENT D'UN RAIDISSEUR AVEC UN PANNEAU**
[72] TESSIER, SYLVAIN, CA
[72] FORGET, PASCAL, CA
[71] BELL HELICOPTER TEXTRON INC., US
[22] 2018-09-19
[41] 2020-03-07
[30] US (16/125,592) 2018-09-07

[21] **3,019,084**
[13] A1
[51] **Int.Cl. A47G 9/02 (2006.01) A41D 15/00 (2006.01) A41D 15/04 (2006.01) A47G 9/10 (2006.01)**
[25] EN
[54] **MULTI-USE BLANKET/CUSHION**
[54] **COUVERTURE ET COUSSIN POLYVALENTS**
[72] THIBODEAU, KATHY, CA
[71] THIBODEAU, KATHY, CA
[22] 2018-09-28
[41] 2020-03-06
[30] US (16/123,231) 2018-09-06

[21] **3,020,236**
[13] A1
[51] **Int.Cl. E04C 2/26 (2006.01) E04D 3/00 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **LIGHTWEIGHT BUILDING PANEL AND BUILDING SYSTEM COMPRISING THE SAME**
[54] **PANNEAU DE CONSTRUCTION LEGER ET SYSTEME DE CONSTRUCTION COMPRENANT DES COMPOSANTS LEGERS**
[72] CARTER, NICKOLAS WILLIAM GILBERT, CA
[72] CLARK, GORDON JOHN HILLAIRE, CA
[71] CARTER, NICKOLAS WILLIAM GILBERT, CA
[71] CLARK, GORDON JOHN HILLAIRE, CA
[22] 2018-10-10
[41] 2020-03-06
[30] US (62/727,697) 2018-09-06

[21] **3,035,482**
[13] A1
[51] **Int.Cl. H04N 21/84 (2011.01) H04N 21/81 (2011.01) H04N 5/272 (2006.01)**
[25] EN
[54] **REAL TIME OVERLAY PLACEMENT IN VIDEOS FOR AUGMENTED REALITY APPLICATIONS**
[54] **POSITIONNEMENT DE SUPERPOSITION DANS DES VIDEOS EN TEMPS REEL POUR APPLICATIONS DE REALITE AUGMENTEE**
[72] HEGDE, SRINIDHI, IN
[72] HEBBALAGUPPE, RAMYA, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2019-03-04
[41] 2020-03-06
[30] IN (201821033541) 2018-09-06

[21] **3,038,676**
[13] A1
[51] **Int.Cl. A47F 3/04 (2006.01) F25D 11/00 (2006.01) F25D 17/06 (2006.01)**
[25] EN
[54] **REFRIGERATION BIN**
[54] **CONTENEUR FRIGORIFIQUE**
[72] SCHOTSMAN, TOM, CA
[71] CAYUGA DISPLAYS INC., CA
[22] 2019-04-02
[41] 2020-03-04
[30] US (62/726,618) 2018-09-04

[21] **3,040,416**
[13] A1
[51] **Int.Cl. B60G 7/00 (2006.01) B60G 3/18 (2006.01)**
[25] EN
[54] **AN INDEPENDENT REAR SUSPENSION SYSTEM**
[54] **SYSTEME DE SUSPENSION ARRIERE INDEPENDANT**
[72] YANG, AN-TAO ANTHONY, CA
[71] YANG, AN-TAO ANTHONY, CA
[22] 2019-04-16
[41] 2020-03-04
[30] TW (107212111) 2018-09-04

[21] **3,043,725**
[13] A1
[51] **Int.Cl. H04W 64/00 (2009.01) H04B 17/318 (2015.01) G01C 22/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR EMBEDDED DEVICE LOCALIZATION-BASED PROGRESSIVE INDICATORS**
[54] **PROCEDE ET SYSTEME POUR INDICATEURS PROGRESSIFS BASES SUR LA LOCALISATION DE DISPOSITIF INTEGRE**
[72] HAMIDIFAR, SAEEDEH, CA
[72] NAGPAL, PARAMVIR SINGH, CA
[71] MAPSTED CORP., CA
[22] 2019-05-16
[41] 2020-03-06
[30] US (16/123,043) 2018-09-06

[21] **3,046,618**
[13] A1
[51] **Int.Cl. E21B 43/28 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **DOWNHOLE HEATING METHODS FOR SOLUTION MINING**
[54] **METHODES DE CHAUFFAGE DE FOND DE PUITS POUR EXTRACTION PAR DISSOLUTION**
[72] HARDAGE, QUINTON, CA
[72] HALABURA, STEPHEN PHILIP, CA
[72] NOVAKOWSKI, JIM, CA
[71] BUFFALO POTASH CORP., CA
[22] 2019-06-14
[41] 2020-03-06
[30] US (62/727,686) 2018-09-06

[21] **3,046,909**
[13] A1
[51] **Int.Cl. B66F 11/00 (2006.01) B64F 5/10 (2017.01) B64F 5/50 (2017.01) B66F 3/46 (2006.01) F16M 11/42 (2006.01)**
[25] EN
[54] **MOBILE FIXTURE APPARATUSES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES MOBILES**
[72] VANCE, JONATHAN B., US
[72] MARTIGNONI, ANDREW JOSEPH, III, US
[72] FINN, BRIAN M., US
[71] THE BOEING COMPANY, US
[22] 2019-06-17
[41] 2020-03-07
[30] US (16/125,198) 2018-09-07

[21] **3,047,685**
[13] A1
[51] **Int.Cl. H05B 6/10 (2006.01) B23P 6/00 (2006.01)**
[25] EN
[54] **HIGH TEMPERATURE SMART SUSCEPTOR HEATING BLANKET AND METHOD**
[54] **COUVERTURE CHAUFFANTE A SUSCEPTEUR INTELLIGENT A HAUTE TEMPERATURE ET PROCEDE ASSOCIE**
[72] VOSS, BRET A., US
[72] MATSEN, MARC R., US
[71] THE BOEING COMPANY, US
[22] 2019-06-21
[41] 2020-03-06
[30] US (16/123944) 2018-09-06

[21] **3,047,989**
[13] A1
[51] **Int.Cl. F16B 19/02 (2006.01) F16C 29/02 (2006.01) F16L 5/00 (2006.01) F02C 7/00 (2006.01)**
[25] EN
[54] **GROMMET FOR A TURBINE ENGINE**
[54] **PASSE-FIL POUR MOTEUR A TURBINE**
[72] JAKOMIN, JOHN MARTIN, US
[72] SENILE, DARRELL GLENN, US
[71] GENERAL ELECTRIC COMPANY, US
[22] 2019-06-26
[41] 2020-03-04
[30] US (16/120,952) 2018-09-04

[21] **3,049,056**
[13] A1
[51] **Int.Cl. A61M 21/02 (2006.01) A61H 1/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR BODILY SENSATION OF BONE VIBRATION**
[54] **APPAREIL DE SENSATION CORPORELLE DE VIBRATION OSSEUSE**
[72] NANASAWA, KENJI, JP
[72] NANASAWA, TOMOKI, JP
[72] HATANO, REI, JP
[71] NETEN INC., JP
[22] 2019-07-10
[41] 2020-03-06
[30] JP (2018-167107) 2018-09-06

[21] **3,049,333**
[13] A1
[51] **Int.Cl. G06Q 10/02 (2012.01) G06F 16/903 (2019.01)**
[25] EN
[54] **SERVICE BROKERING SYSTEM AND RELATED SERVICE REQUIREMENT MATCHING SUB-SYSTEM, COMPUTER PROGRAM PRODUCT, AND SERVICE REQUIREMENT MATCHING METHOD**
[54] **SYSTEME DE RASSEMBLEMENT DES SERVICES ET SOUS-SYSTEME DE MISE EN CORRESPONDANCE DES EXIGENCES DE SERVICE, PROGRAMME INFORMATIQUE ET PROCEDE DE MISE EN CORRESPONDANCE DES EXIGENCESDE SERVICE**
[72] KUNG, WEN-KAI, CN
[71] GHS ADVANCED INC., CN
[22] 2019-07-10
[41] 2020-03-06
[30] CN (201811038324.9) 2018-09-06

[21] **3,050,405**
[13] A1
[51] **Int.Cl. A61B 8/00 (2006.01) A61B 34/20 (2016.01) A61B 8/12 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **ACOUSTIC PHANTOM AND METHOD FOR INTRACARDIAC ULTRASOUND LOCALIZATION CATHETER**
[54] **FANTOME ACOUSTIQUE ET PROCEDE POUR CATHETER DE LOCALISATION INTRACARDIAQUE ULTRASONORE**
[72] PELED, RAN, IL
[72] ADAWI, EID, IL
[72] SAGE, FARES, IL
[72] BERGER, MICHAEL, IL
[72] YEHEZKEL, TAL, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-07-23
[41] 2020-03-06
[30] US (62/684,942) 2019-06-14
[30] US (16/123,012) 2018-09-06

[21] **3,050,781**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **AIR CART PRODUCT FLOW CONDITION MONITORING**
[54] **SURVEILLANCE DES CONDITIONS D`ECOULEMENT DU CHARIOT A AIR**
[72] GERVAIS, JOEL, CA
[72] PAULSON, IAN, CA
[72] MITTAL, LAV, CA
[72] NOBLE, SCOTT, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-07-30
[41] 2020-03-07
[30] US (16/124,803) 2018-09-07

[21] **3,050,803**
[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01)**
[25] EN
[54] **WORK VEHICLE WITH ROW UNIT HAVING VARIABLE STEERING ANGLE**
[54] **VEHICULE DE TRAVAIL DOTE D`UN MODULE DE SILLON AYANT UN ANGLE DE BRAQUAGE VARIABLE**
[72] BARKER, MARK E., US
[72] MURRAY, COLE L., US
[72] WONDERLICH, GRANT J., US
[72] FRAISER, MICHAEL E., US
[72] MARIMAN, NATHAN A., US
[71] DEERE & COMPANY, US
[22] 2019-07-30
[41] 2020-03-04
[30] US (16/121,348) 2018-09-04

[21] **3,050,815**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **AIR CART AUTOMATIC FAN CONTROL CALIBRATION**
[54] **CALIBRATION DE LA COMMANDE AUTOMATIQUE DU VENTILATEUR DU CHARIOT A AIR**
[72] GERVAIS, JOEL, CA
[72] PAULSON, IAN, CA
[72] MITTAL, LAV, CA
[72] NOBLE, SCOTT, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-07-30
[41] 2020-03-07
[30] US (16/124,624) 2018-09-07

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[21] **3,050,818**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **AIR CART AUTOMATIC FAN CONTROL**
[54] **COMMANDE AUTOMATIQUE DU VENTILATEUR DU CHARIOT A AIR**
[72] GERVAIS, JOEL, CA
[72] PAULSON, IAN, CA
[72] MITTAL, LAV, CA
[72] NOBLE, SCOTT, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-07-30
[41] 2020-03-07
[30] US (16/124,591) 2018-09-07

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[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **AIR CART FAN CONTROL**
[54] **COMMANDE DU VENTILATEUR DU CHARIOT A AIR**
[72] GERVAIS, JOEL, CA
[72] PAULSON, IAN, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2019-07-30
[41] 2020-03-07
[30] US (16/124,760) 2018-09-07

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[21] **3,050,954**
[13] A1
[51] **Int.Cl. A01C 7/20 (2006.01)**
[25] EN
[54] **COMMODITY DELIVERY SYSTEM FOR WORK VEHICLE WITH VENTURI SUCTION GENERATOR**
[54] **SYSTEME DE LIVRAISON DE LA MARCHANDISE POUR VEHICULE DE TRAVAIL COMPRENANT UN GENERATEUR D`ASPIRATION VENTURI**
[72] MARO, RANDALL A., US
[71] DEERE & COMPANY, US
[22] 2019-07-31
[41] 2020-03-05
[30] US (16/121,731) 2018-09-05

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[13] A1
[51] **Int.Cl. A61N 1/05 (2006.01) A61M 25/02 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **CANNULA**
[54] **CANULE**
[72] HAUGER, MARTIN, DE
[72] PAJUNK-SCHELLING, SIMONE, DE
[71] PAJUNK GMBH MEDIZINTECHNOLOGIE, DE
[22] 2019-08-02
[41] 2020-03-06
[30] DE (10 2018 121 733.1) 2018-09-06

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[13] A1
[51] **Int.Cl. B64D 35/00 (2006.01) B64D 27/24 (2006.01) B64D 31/00 (2006.01)**
[25] EN
[54] **HYBRID ELECTRIC AIRCRAFT PROPULSION SYSTEM AND METHOD**
[54] **SYSTEME DE PROPULSION D`AERONEF HYBRIDE ELECTRIQUE ET SON PROCEDE**
[72] LATULIPE, ERIC, CA
[72] FREER, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-06
[41] 2020-03-06
[30] US (62/727,673) 2018-09-06
[30] US (62/727,678) 2018-09-06
[30] US (62/727,681) 2018-09-06
[30] US (62/727,683) 2018-09-06
[30] US (62/729,818) 2018-09-11
[30] US (62/731,384) 2018-09-14
[30] US (16/411,262) 2019-05-14
[30] US (16/411,267) 2019-05-14
[30] US (16/411,275) 2019-05-14
[30] US (16/411,484) 2019-05-14
[30] US (16/437,456) 2019-06-11
[30] US (16/411,475) 2019-05-14

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[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64D 27/24 (2006.01) B64D 35/00 (2006.01) H02J 3/40 (2006.01) H02P 27/00 (2006.01)**
[25] EN
[54] **SYNCHRONIZATION OF GENERATOR AND ELECTRIC MOTOR IN A HYBRID ELECTRIC AIRCRAFT PROPULSION SYSTEM**
[54] **SYNCHRONISATION DU GENERATEUR ET DU MOTEUR ELECTRIQUE D`UN SYSTEME DE PROPULSION D`AERONEF HYBRIDE ELECTRIQUE**
[72] LATULIPE, ERIC, CA
[72] FREER, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-06
[41] 2020-03-06
[30] US (62/727,673) 2018-09-06
[30] US (62/727,678) 2018-09-06
[30] US (62/727,681) 2018-09-06
[30] US (62/727,683) 2018-09-06
[30] US (62/729,818) 2018-09-11
[30] US (62/731,384) 2018-09-14
[30] US (16/411,262) 2019-05-14
[30] US (16/411,267) 2019-05-14
[30] US (16/411,275) 2019-05-14
[30] US (16/411,475) 2019-05-14
[30] US (16/411,484) 2019-05-14
[30] US (16/437,456) 2019-06-11

[21] **3,051,339**
[13] A1
[51] **Int.Cl. B64D 35/00 (2006.01) B64D 27/24 (2006.01) B64D 31/00 (2006.01)**
[25] EN
[54] **HYBRID ELECTRIC PROPULSION SYSTEM AND METHOD OF OPERATION**
[54] **SYSTEME DE PROPULSION HYBRIDE ELECTRIQUE ET SA METHODE DE FONCTIONNEMENT**
[72] LATULIPE, ERIC, CA
[72] FREER, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-06
[41] 2020-03-06
[30] US (62/727,673) 2018-09-06
[30] US (62/727,678) 2018-09-06
[30] US (62/727,681) 2018-09-06
[30] US (62/727,683) 2018-09-06
[30] US (62/729,818) 2018-09-11
[30] US (62/731,384) 2018-09-14
[30] US (16/411,262) 2019-05-14
[30] US (16/411,267) 2019-05-14
[30] US (16/411,275) 2019-05-14
[30] US (16/411,475) 2019-05-14
[30] US (16/411,484) 2019-05-14
[30] US (16/437,456) 2019-06-11

[21] **3,051,340**
[13] A1
[51] **Int.Cl. B64D 27/02 (2006.01) B64D 27/24 (2006.01)**
[25] EN
[54] **HYBRID ELECTRIC AIRCRAFT PROPULSION SYSTEM**
[54] **SYSTEME DE PROPULSION D`AERONEF HYBRIDE ELECTRIQUE**
[72] LATULIPE, ERIC, CA
[72] FREER, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-06
[41] 2020-03-06
[30] US (62/727,673) 2018-09-06
[30] US (62/727,678) 2018-09-06
[30] US (62/727,681) 2018-09-06
[30] US (62/727,683) 2018-09-06
[30] US (62/729,818) 2018-09-11
[30] US (62/731,384) 2018-09-14
[30] US (16/411,262) 2019-05-14
[30] US (16/411,267) 2019-05-14
[30] US (16/411,275) 2019-05-14
[30] US (16/411,475) 2019-05-14
[30] US (16/411,484) 2019-05-14
[30] US (16/437,456) 2019-06-11

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[13] A1
[51] **Int.Cl. B64D 35/00 (2006.01) B64D 27/24 (2006.01) B64D 31/00 (2006.01)**
[25] EN
[54] **HYBRID ELECTRIC PROPULSION SYSTEM AND METHOD OF OPERATION**
[54] **SYSTEME DE PROPULSION HYBRIDE ELECTRIQUE ET SA METHODE DE FONCTIONNEMENT**
[72] LATULIPE, ERIC, CA
[72] FREER, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-06
[41] 2020-03-06
[30] US (62/727,673) 2018-09-06
[30] US (62/727,678) 2018-09-06
[30] US (62/727,681) 2018-09-06
[30] US (62/727,683) 2018-09-06
[30] US (62/729,818) 2018-09-11
[30] US (62/731,384) 2018-09-14
[30] US (16/411,262) 2019-05-14
[30] US (16/411,267) 2019-05-14
[30] US (16/411,275) 2019-05-14
[30] US (16/411,475) 2019-05-14
[30] US (16/411,484) 2019-05-14
[30] US (16/437,456) 2019-06-11

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[13] A1
[51] **Int.Cl. B64D 35/00 (2006.01) B64D 27/24 (2006.01) B64D 31/00 (2006.01)**
[25] EN
[54] **OPERATION OF A HYBRID ELECTRIC AIRCRAFT PROPULSION SYSTEM**
[54] **FONCTIONNEMENT D`UN SYSTEME DE PROPULSION D`AERONEF HYBRIDE ELECTRIQUE**
[72] LATULIPE, ERIC, CA
[72] FREER, RICHARD, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2019-08-06
[41] 2020-03-06
[30] US (62/727,673) 2018-09-06
[30] US (62/727,678) 2018-09-06
[30] US (62/727,681) 2018-09-06
[30] US (62/727,683) 2018-09-06
[30] US (62/729,818) 2018-09-11
[30] US (62/731,384) 2018-09-14
[30] US (16/411,262) 2019-05-14
[30] US (16/411,267) 2019-05-14
[30] US (16/411,275) 2019-05-14
[30] US (16/411,475) 2019-05-14
[30] US (16/411,484) 2019-05-14
[30] US (16/437,456) 2019-06-11

[21] **3,051,780**
[13] A1
[51] **Int.Cl. C10G 1/04 (2006.01) B03B 9/02 (2006.01) B03B 11/00 (2006.01)**
[25] EN
[54] **NON-AQUEOUS EXTRACTION OF BITUMEN FROM OIL SANDS**
[54] **EXTRACTION NON AQUEUSE DU BITUME DES SABLES BITUMINEUX**
[72] HUQ, IFTIKHAR, CA
[72] ABBASPOUR, ALI, CA
[72] DOUCETTE, BRIAN, CA
[72] CAO, JIAJI CLAIRE, CA
[72] HYNDMAN, ALEXANDER, CA
[72] BARGE, JOHN, CA
[72] MELO, DANIEL, CA
[72] ODUT, STEPHEN, CA
[72] ROJEK, LUCAS, CA
[72] TACIUK, GORDON, CA
[72] RIDEOUT, BILLY JAMES, CA
[72] NASTASE, ADRIAN MADALIN, CA
[72] BALL, TANNER GLEN, CA
[72] OLSEN, KRISTIN CHARLES, CA
[71] SUNCOR ENERGY INC., CA
[71] THYSSENKRUPP INDUSTRIAL SOLUTIONS (CANADA) INC., CA
[22] 2019-08-12
[41] 2020-03-07
[30] CA (3.016.908) 2018-09-07

[21] **3,051,898**
[13] A1
[51] **Int.Cl. B65G 69/28 (2006.01) F21S 4/26 (2016.01) B65G 69/00 (2006.01) F21S 10/02 (2006.01)**
[25] EN
[54] **DOCK LEVELER WITH INTEGRATED LIGHTS**
[54] **APPAREIL DE QUAI POUR MISE A NIVEAU MUNI D`UN ENSEMBLE D`ECLAIRAGE**
[72] LEUM, GRANT, US
[71] LEUM, GRANT, US
[22] 2019-08-13
[41] 2020-03-07
[30] US (16/125,185) 2018-09-07

[21] **3,052,014**
[13] A1
[51] **Int.Cl. B64D 15/20 (2006.01) G01K 11/12 (2006.01) G01N 25/58 (2006.01)**
[25] EN
[54] **ICE DETECTION SYSTEMS FOR AIRCRAFT AND RELATED METHODS**
[54] **SYSTEMES DE DETECTION DE GIVRAGE POUR AERONEF ET METHODES CONNEXES**
[72] MEIS, CHARLES STEVEN, US
[72] MEIS, JON, US
[72] DARR, RACHEL MALIA, US
[71] THE BOEING COMPANY, US
[22] 2019-08-13
[41] 2020-03-07
[30] US (16/125,342) 2018-09-07

[21] **3,052,333**
[13] A1
[51] **Int.Cl. G05B 11/00 (2006.01) F02D 41/04 (2006.01) G05B 11/06 (2006.01) G05B 19/042 (2006.01)**
[25] EN
[54] **SYMBIOTIC CONTROL LOOP**
[54] **BOUCLE DE COMMANDE SYMBIOTIQUE**
[72] SKERTIC, RICHARD JOSEPH, US
[71] ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., US
[22] 2019-08-16
[41] 2020-03-06
[30] US (16/123,526) 2018-09-06

[21] **3,052,388**
[13] A1
[51] **Int.Cl. B03D 1/00 (2006.01)**
[25] EN
[54] **INDUCED GAS FLOTATION FOR SEPARATION FACILITY**
[54] **FLOTTATION AU GAZ INDUIT POUR INSTALLATION DE SEPARATION**
[72] CUNNINGHAM, JUSTIN R., US
[72] BLOCK, DAVID M., US
[72] HENRY, MICHAEL S., US
[71] BLACKWALL PROCESS, LLC, US
[22] 2019-08-15
[41] 2020-03-04
[30] US (16/121,019) 2018-09-04

[21] **3,052,558**
[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06F 16/903 (2019.01) G06N 5/00 (2006.01)**
[25] EN
[54] **PIPING AND INSTRUMENTATION PLANNING AND MAINTENANCE SYSTEM**
[54] **SYSTEME DE PLANIFICATION ET DE MAINTENANCE DE TUYAUTERIE ET D`INSTRUMENTATION**
[72] TUNG, TERESA SHEAUSAN, US
[72] CHATELAIN, JEAN-LUC, US
[72] WEICHENBERGER, JURGEN ALBERT, GB
[72] GREWAL, ISHMEET SINGH, US
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, IE
[22] 2019-08-20
[41] 2020-03-07
[30] US (16/124,959) 2018-09-07

[21] **3,052,585**
[13] A1
[51] **Int.Cl. H02J 7/02 (2016.01) H02J 50/10 (2016.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR A WIRELESS CHARGING MOUNT**
[54] **SYSTEMES ET METHODES POUR SOCLE DE CHARGE SANS FIL**
[72] GOODFELLOW, ANDREW C., US
[72] MUDAY, THOMAS, US
[72] STALZER, CHRIS, US
[71] JUGGERNAUT DEFENSE, LLC, US
[22] 2019-08-20
[41] 2020-03-05
[30] US (16/122,677) 2018-09-05

[21] **3,052,748**
[13] A1
[51] **Int.Cl. B25J 5/00 (2006.01) B25J 9/00 (2006.01)**
[25] EN
[54] **AUTONOMOUS VEHICLE, SUCH AS AN AUTOMATED GUIDED VEHICLE OR AN AUTONOMOUS MOBILE ROBOT**
[54] **VEHICULE AUTONOME, TEL QUE VEHICULE A GUIDAGE AUTOMATIQUE OU ROBOT MOBILE AUTONOME**
[72] MAULETTI, ENRICO, IT
[72] RUI, ENRICO, IT
[72] BERZANO, MAURO, IT
[72] LAZZERO, IVAN, IT
[72] ROMEO, SIMONE, IT
[71] COMAU S.P.A., IT
[22] 2019-08-22
[41] 2020-03-05
[30] EP (18 192 747.6) 2018-09-05

[21] **3,052,750**
[13] A1
[51] **Int.Cl. B25B 13/46 (2006.01) B25B 13/48 (2006.01)**
[25] EN
[54] **RATCHETING WRENCH**
[54] **CLE A CLIQUET**
[72] THOMPSON, CHRISTOPHER D., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-08-22
[41] 2020-03-05
[30] US (16/121,908) 2018-09-05

[21] **3,052,755**
[13] A1
[51] **Int.Cl. B25B 15/02 (2006.01) B25B 15/00 (2006.01)**
[25] EN
[54] **HEX DRIVER**
[54] **CLE HEXAGONALE**
[72] SCHULZ, BENJAMIN T., US
[71] SNAP-ON INCORPORATED, US
[22] 2019-08-22
[41] 2020-03-04
[30] US (16/121,075) 2018-09-04

[21] **3,052,817**
[13] A1
[51] **Int.Cl. H01L 23/473 (2006.01) F28F 7/02 (2006.01) G06F 1/20 (2006.01) G09G 5/00 (2006.01)**
[25] EN
[54] **THERMAL TRANSFER DEVICE HAVING A FLUID CONDUIT**
[54] **DISPOSITIF DE TRANSFERT DE LA CHALEUR POURVU D`UN CONDUIT DE FLUIDES**
[72] KLABA, HENRI, FR
[72] CHEHADE, ALI, FR
[72] BAUDUIN, HADRIEN, FR
[72] LYRIS, ANGELOS, FR
[71] OVH, FR
[22] 2019-08-22
[41] 2020-03-04
[30] EP (18315027.5) 2018-09-04

[21] **3,052,924**
[13] A1
[51] **Int.Cl. A41B 9/02 (2006.01) A41B 9/00 (2006.01)**
[25] EN
[54] **SPORT UNDERGARMENT**
[54] **SOUS-VETEMENT DE SPORT**
[72] GODENZI, ELENA, IT
[71] LA BALZA S.R.L., IT
[22] 2019-08-23
[41] 2020-03-06
[30] IT (102018000008390) 2018-09-06

[21] **3,053,026**
[13] A1
[51] **Int.Cl. E01F 9/20 (2016.01) E01F 9/646 (2016.01) F16M 11/32 (2006.01) F21L 4/00 (2006.01) G08B 5/36 (2006.01)**
[25] EN
[54] **COLLAPSIBLE WARNING DEVICE AND METHOD FOR EMITTING A LIGHT SIGNAL**
[54] **DISPOSITIF D`ALARME ESCAMOTABLE ET PROCEDE POUR EMETTRE UN SIGNAL LUMINEUX**
[72] HOULE, RAYMOND, CA
[72] JUNEAU, GERALD, CA
[72] MITCHELL, DAVID, CA
[71] SIGNALISATION D'URGENCE RH INC., CA
[22] 2019-08-26
[41] 2020-03-07
[30] US (62/728,132) 2018-09-07

[21] **3,053,085**
[13] A1
[51] **Int.Cl. F16K 51/00 (2006.01) F16L 37/091 (2006.01) F16L 47/00 (2006.01)**
[25] EN
[54] **ROTATION-RESISTANT PUSH-ON CONDUIT COUPLING CARTRIDGE**
[54] **CARTOUCHE DE RACCORD DE CONDUIT A PRESSION RESISTANTE A LA ROTATION**
[72] TURNAU, WILLIAM F., III, US
[72] SCHUTTE, JOSEPH P., US
[71] BRASSCRAFT MANUFACTURING COMPANY, US
[22] 2019-08-27
[41] 2020-03-04
[30] US (62/726,551) 2018-09-04

[21] **3,053,144**
[13] A1
[51] **Int.Cl. A61F 2/12 (2006.01) A61F 2/02 (2006.01)**
[25] EN
[54] **SOFT TISSUE REPAIR GRAFTS AND PROCESSES FOR PREPARING AND USING SAME**
[54] **GREFFES POUR REPARATION DE TISSUS MOUS ET LEURS PROCEDES DE PREPARATION ET D`UTILISATION**
[72] SPIEGEL, ALDONA JEDRYSIAK, US
[72] WANG, KAI-ROY, US
[71] MUSCULOSKELETAL TRANSPLANT FOUNDATION, US
[71] THE METHODIST HOSPITAL, US
[22] 2019-08-27
[41] 2020-03-07
[30] US (16/125,435) 2018-09-07

[21] **3,053,179**
[13] A1
[51] **Int.Cl. H01M 10/08 (2006.01)**
[25] EN
[54] **BATTERY ELECTROLYTE COMPOSITION**
[54] **COMPOSITION ELECTROLYTIQUE POUR PILES**
[72] CARLSON, LAWRENCE, US
[71] TYGRUS, LLC, US
[22] 2019-08-27
[41] 2020-03-06
[30] US (62/728,055) 2018-09-06

[21] **3,053,265**
[13] A1
[51] **Int.Cl. B01D 35/143 (2006.01) B01D 46/42 (2006.01)**
[25] EN
[54] **MONITORING SERVO VALVE FILTER ELEMENTS**
[54] **SURVEILLANCE DES ELEMENTS FILTRANTS DU SERVODISTRIBUTEUR**
[72] MIKAT, HEIKO, DE
[71] ROLLS-ROYCE DEUTSCHLAND LTD & CO KG, DE
[22] 2019-08-27
[41] 2020-03-03
[30] DE (102018214923.2) 2018-09-03

[21] **3,053,300**
[13] A1
[51] **Int.Cl. B25G 3/02 (2006.01) B25G 3/00 (2006.01) B25G 3/12 (2006.01) B26B 23/00 (2006.01) B29C 70/68 (2006.01)**
[25] EN
[54] **A HAND TOOL AND A MANUFACTURING METHOD FOR A HAND TOOL**
[54] **OUTIL A MAIN ET PROCEDE DE FABRICATION D`UN OUTIL A MAIN**
[72] GRUNDSTROM, ANDREAS, FI
[72] KEMPPI, MIKKO, FI
[72] LUND, HENRIK, FI
[72] RIIKONEN, JOUNI, FI
[72] MASALIN, PETTERI, FI
[72] HUHTALA, JUHA, FI
[71] FISKARS FINLAND OY AB, FI
[22] 2019-08-28
[41] 2020-03-06
[30] EP (18192929.0) 2018-09-06

[21] **3,053,331**
[13] A1
[51] **Int.Cl. H04W 4/30 (2018.01) G07C 11/00 (2006.01)**
[25] EN
[54] **INSPECTION METHOD**
[54] **METHODE D`INSPECTION**
[72] MILLER, NORBERT, DE
[72] FEITER, MANFRED, DE
[72] BICHMANN, STEPHAN, DE
[72] NOLL, ELMAR, DE
[71] SCHEIDT & BACHMANN GMBH, DE
[22] 2019-08-28
[41] 2020-03-04
[30] DE (10 2018 121 493.6) 2018-09-04

[21] **3,053,340**
[13] A1
[51] **Int.Cl. G06T 7/10 (2017.01) G06T 7/12 (2017.01) G06T 7/194 (2017.01) G06F 3/01 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PERFORMING HAND SEGMENTATION**
[54] **SYSTEMES ET METHODES POUR EFFECTUER UNE SEGMENTATION MANUELLE**
[72] MAURYA, JITENDER KUMAR, IN
[72] HEBBALAGUPPE, RAMYA, IN
[72] GUPTA, PUNEET, IN
[71] TATA CONSULTANCY SERVICES LIMITED, IN
[22] 2019-08-26
[41] 2020-03-06
[30] IN (201821033598) 2018-09-06

[21] **3,053,345**
[13] A1
[51] **Int.Cl. F16N 3/12 (2006.01) B05C 21/00 (2006.01) F16N 37/02 (2006.01)**
[25] EN
[54] **GREASE INJECTION GUN CARTRIDGE ADAPTOR**
[54] **GONFLEUR DE PISTOLET D`INJECTION DE GRAISSE**
[72] LUSSO, CARY DONALD, ZA
[71] GURTECH (PTY) LTD, ZA
[22] 2019-08-28
[41] 2020-03-07
[30] GB (1814602.7) 2018-09-07

[21] **3,053,377**
[13] A1
[51] **Int.Cl. H02B 1/30 (2006.01) H02B 13/025 (2006.01)**
[25] EN
[54] **ARC RESISTANT EXHAUST AND INTAKE FOR DRIVES AND SWITCHGEAR**
[54] **DISPOSITIF D`ECHAPPEMENT ET D`ADMISSION A L`EPREUVE DES ARCS POUR VARIATEURS ET APPAREILLAGE DE CONNEXION**
[72] KLEINECKE, JOHN, US
[72] DAVIS, JACK, US
[72] MARTINEZ, ENRIQUE, US
[71] TOSHIBA INTERNATIONAL CORPORATION, US
[22] 2019-08-27
[41] 2020-03-06
[30] US (16/123,565) 2018-09-06

[21] **3,053,474**
[13] A1
[51] **Int.Cl. B64C 13/42 (2006.01) B64C 3/48 (2006.01) B64C 13/50 (2006.01)**
[25] EN
[54] **DISTRIBUTED TRAILING EDGE WING FLAP SYSTEMS**
[54] **SYSTEMES DE VOLET HYPERSUSTENTATEUR DE BORD DE FUITE DISTRIBUE**
[72] HUYNH, NEAL V., US
[71] THE BOEING COMPANY, US
[22] 2019-08-29
[41] 2020-03-05
[30] US (16/122519) 2018-09-05

[21] **3,053,528**
[13] A1
[51] **Int.Cl. B61L 23/00 (2006.01) B61L 5/12 (2006.01)**
[25] EN
[54] **DERAIL WARNING LIGHT SYSTEM**
[54] **SYSTEME DE TEMOIN LUMINEUX DE DERAILLEMENT**
[72] BARTEK, PETER M., US
[72] DASH, COREY, US
[72] MOONEY, PHILIP ANTHONY, US
[72] SMITH, JASON NEIL, US
[72] BENJAMIN, TIMOTHY J., US
[71] FOCUSED TECHNOLOGY SOLUTIONS, INC., US
[22] 2019-08-29
[41] 2020-03-05
[30] US (62/727,366) 2018-09-05

[21] **3,053,564**
[13] A1
[51] **Int.Cl. A24F 40/57 (2020.01) A24F 40/00 (2020.01) A24F 40/50 (2020.01) A24F 47/00 (2020.01) A61M 11/04 (2006.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE, CONTROL UNIT FOR AEROSOL GENERATING DEVICE, METHOD, AND PROGRAM**
[54] **DISPOSITIF DE GENERATION D`AEROSOL, UNITE DE COMMANDE POUR DISPOSITIF DE GENERATION D`AEROSOL, PROCEDE ET PROGRAMME**
[72] ODA, TAKASHI, JP
[72] OKUNO, HIROSHI, JP
[72] AKAO, TAKESHI, JP
[72] FUJITA, HAJIME, JP
[71] JAPAN TOBACCO INC., JP
[22] 2019-08-28
[41] 2020-03-03
[30] JP (188631/2018) 2018-10-03

[21] **3,053,678**
[13] A1
[51] **Int.Cl. A61B 17/86 (2006.01) A61B 17/72 (2006.01) A61B 17/80 (2006.01) A61B 17/88 (2006.01)**
[25] EN
[54] **ORTHAPEDIC IMPLANT INSTALLATION USING MAGNETICALLY DRIVEN SCREWS**
[54] **INSTALLATION D`IMPLANT ORTHOPEDIQUE AU MOYEN DE VIS A ENTRAINEMENT MAGNETIQUE**
[72] GLINER, VADIM, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-08-30
[41] 2020-03-04
[30] US (16/120,685) 2018-09-04

[21] **3,053,787**
[13] A1
[51] **Int.Cl. H05B 3/56 (2006.01) E04B 5/48 (2006.01) E04F 17/08 (2006.01) F24D 13/02 (2006.01)**
[25] EN
[54] **SURFACE HEATING ASSEMBLY AND RELATED METHODS**
[54] **ENSEMBLE DE CHAUFFAGE EN SURFACE ET METHODES CONNEXES**
[72] GAGNON, GILLES, US
[71] SCHLUTER SYSTEMS (CANADA) INC., CA
[22] 2019-08-30
[41] 2020-03-02
[30] US (62/726,268) 2018-09-02

[21] **3,053,791**
[13] A1
[51] **Int.Cl. G01V 1/52 (2006.01) G01V 1/18 (2006.01)**
[25] EN
[54] **BOREHOLE SEISMIC SENSOR ARRAY AND ASSOCIATED METHODS**
[54] **RESEAU DE CAPTEURS SISMIQUES DE TROU DE FORAGE ET METHODES CONNEXES**
[72] MORRISH, MARK HUGH LESLIE, CA
[72] DAVISON, MICHAEL PAUL, CA
[71] HIGH-DEFINITION SEISMIC CORPORATION, CA
[22] 2019-08-29
[41] 2020-03-04
[30] US (US 62/726,819) 2018-09-04

[21] **3,053,799**
[13] A1
[51] **Int.Cl. C08J 3/05 (2006.01) C08J 3/12 (2006.01) C08L 25/08 (2006.01) C08L 33/02 (2006.01) C08L 33/06 (2006.01) C09D 7/65 (2018.01) C09C 1/36 (2006.01) C09C 3/10 (2006.01)**
[25] EN
[54] **AQUEOUS DISPERSION OF MULTISTAGE POLYMER PARTICLES**
[54] **DISPERSION AQUEUSE DE PARTICULES POLYMERIQUES MULTIPHASES**
[72] BARDMAN, JAMES K., US
[72] KELLY, DAVID G., US
[72] LEONARD, MICHAEL W., US
[71] ROHM AND HAAS COMPANY, US
[22] 2019-09-03
[41] 2020-03-04
[30] US (62/726628) 2018-09-04

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[21] **3,053,801**
[13] A1
[51] **Int.Cl. A61B 34/20 (2016.01) A61B 5/055 (2006.01) A61M 25/095 (2006.01)**
[25] EN
[54] **SINGLE AXIS SENSOR (SAS) WITH HALL SENSOR USING EXTERNAL MAGNET**
[54] **CAPTEUR MONOAXIAL MUNI D`UN CAPTEUR A EFFET HALL AVEC AIMANT EXTERNE**
[72] GLINER, VADIM, IL
[72] GOVARI, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2019-09-03
[41] 2020-03-04
[30] US (16/120,718) 2018-09-04

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[21] **3,053,809**
[13] A1
[51] **Int.Cl. B01D 39/08 (2006.01)**
[25] EN
[54] **FILTER ELEMENT AND FILTER MODULE COMPRISING SAME**
[54] **ELEMENT FILTRANT ET MODULE DE FILTRATION ASSOCIES**
[72] STROHM, GERHARD, DE
[72] SCHNIEDER, GEORG, DE
[72] HEUSSLEIN, RALPH, DE
[71] PALL CORPORATION, US
[22] 2019-09-03
[41] 2020-03-06
[30] EP (18 193 047.0) 2018-09-06

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[13] A1
[51] **Int.Cl. B01J 13/14 (2006.01) C08F 2/22 (2006.01) C08J 7/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING AN AQUEOUS DISPERSION OF MULTISTAGE POLYMER PARTICLES**
[54] **PROCEDE DE PREPARATION D`UNE DISPERSION AQUEUSE DE PARTICULES POLYMERIQUES MULTIPHASES**
[72] BARDMAN, JAMES KEITH, US
[72] KELLY, DAVID G., US
[72] LEONARD, MICHAEL W., US
[71] ROHM AND HAAS COMPANY, US
[22] 2019-09-03
[41] 2020-03-04
[30] US (62/726631) 2018-09-04

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[13] A1
[51] **Int.Cl. B64C 13/28 (2006.01) B64C 3/50 (2006.01)**
[25] EN
[54] **HIGH-LIFT ACTUATION SYSTEM WITH CLUTCH ARCHITECTURE**
[54] **SYSTEMES D`ACTIONNEMENT HYPERSUSTENTATEUR AVEC ARCHITECTURE D`EMBRAYAGE**
[72] TZABARI, EHUD, CA
[71] BOMBARDIER INC., CA
[22] 2019-09-03
[41] 2020-03-04
[30] US (62/726,609) 2018-09-04

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[21] **3,053,829**
[13] A1
[51] **Int.Cl. A63B 47/02 (2006.01)**
[25] EN
[54] **AUTONOMOUS GOLF BALL PICKING SYSTEM**
[54] **SYSTEME DE RAMASSAGE DE BALLES DE GOLF AUTONOME**
[72] ZHANG, XIAOSHI, CA
[71] ZHANG, XIAOSHI, CA
[22] 2019-09-03
[41] 2020-03-03
[30] US (62726410) 2018-09-03

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[13] A1
[51] **Int.Cl. D04B 1/12 (2006.01) A47H 23/02 (2006.01) D04B 1/14 (2006.01) E06B 9/262 (2006.01)**
[25] EN
[54] **FABRIC PANELS, SHEER FABRICS, AND COVERING FOR ARCHITECTURAL FEATURES, AND RELATED SYSTEMS**
[54] **PANNEAUX EN TISSU, TISSUS TRANSLUCIDES, ET COUVRE-FENETRE POUR ELEMENTS ARCHITECTURAUX, ET SYSTEMES CONNEXES**
[72] RAHN, KELLY, US
[72] SWISZCZ, PAUL G., US
[72] COLSON, WENDELL B., US
[71] HUNTER DOUGLAS INC., US
[22] 2019-09-03
[41] 2020-03-07
[30] US (62/728,352) 2018-09-07

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/55 (2006.01) A61P 11/00 (2006.01) A61P 37/06 (2006.01) C07D 519/00 (2006.01)**
[25] EN
[54] **DIMETHYL AMINO AZETIDINE AMIDES AND 5 TO 7 MEMBERED HETEROCYCLIC AMIDES AS JAK INHIBITORS**
[54] **AMIDES DE DIMETHYL AMINO AZETIDINE ET AMIDES HETEROCYCLIQUES A 5 A 7 CHAINONS EN TANT QU`INHIBITEURS DE JAK**
[72] LONG, DANIEL D., US
[72] SMITH, CAMERON, US
[72] THOMPSON, CORBIN, US
[71] THERAVANCE BIOPHARMA R&D IP, LLC, US
[22] 2019-09-03
[41] 2020-03-04
[30] US (62/726,562) 2018-09-04
[30] US (62/726,583) 2018-09-04

[21] **3,053,890**
[13] A1
[51] **Int.Cl. G01D 9/00 (2006.01) G06F 21/62 (2013.01) G06F 16/27 (2019.01) G01W 1/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INCORPORATING SENSOR MEASUREMENTS INTO A BLOCKCHAIN**
[54] **SYSTEME ET PROCEDE D`INCORPORATION DE MESURES EFFECTUEES PAR CAPTEURS DANS UNE CHAINE DE BLOCS**
[72] STUART, ALEX, CA
[72] PHILLIPS, JUSTIN, CA
[71] STUART, ALEX, CA
[71] PHILLIPS, JUSTIN, CA
[22] 2019-09-04
[41] 2020-03-04
[30] US (62/726,859) 2018-09-04

[21] **3,053,897**
[13] A1
[51] **Int.Cl. G01M 99/00 (2011.01) B67D 7/06 (2010.01) F17C 13/02 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR TESTING COMPRESSED GAS DISPENSING STATIONS**
[54] **APPAREIL ET METHODE POUR VERIFIER LES STATIONS DE DISTRIBUTION DE GAZ COMPRIME**
[72] COHEN, JOSEPH PERRY, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-09-03
[41] 2020-03-05
[30] US (16/121,781) 2018-09-05

[21] **3,053,899**
[13] A1
[51] **Int.Cl. C01B 3/48 (2006.01) C01B 3/12 (2006.01) C01B 3/50 (2006.01) C01B 3/56 (2006.01)**
[25] EN
[54] **DUAL PRODUCT H2 AND CO PRODUCTION WITH CO TURNDOWN**
[54] **PRODUIT H2 DOUBLE ET PRODUCTION DE CO AVEC DEBIT MOYEN DE CO**
[72] GENKIN, EUGENE S., US
[72] FORESTER, KELLY ANN, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-09-03
[41] 2020-03-06
[30] US (16/122,989) 2018-09-06

[21] **3,053,920**
[13] A1
[51] **Int.Cl. G01R 33/28 (2006.01) A61B 5/055 (2006.01) F16M 11/00 (2006.01) G01R 33/48 (2006.01)**
[25] EN
[54] **SUPPORT STAND FOR MAGNETIC RESONANCE IMAGING SCANNER**
[54] **PLATEFORME DE SUPPORT POUR APPAREIL D`IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] MORREALE, MARK TULLIO, CA
[72] PANTHER, ALEX GYLES, CA
[72] RODRIGUE, GENEVIEVE, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[22] 2019-09-04
[41] 2020-03-05
[30] US (16/122,152) 2018-09-05

[21] **3,053,940**
[13] A1
[51] **Int.Cl. G01M 13/00 (2019.01) G01F 25/00 (2006.01) G05D 16/06 (2006.01)**
[25] EN
[54] **DETERMINING DIAPHRAGM LIFE ON A PRESSURE REGULATOR**
[54] **DETERMINATION DE LA DUREE DE VIE DES MEMBRANES D`UN REGULATEUR DE PRESSION**
[72] ARTIUCH, ROMAN LEON, US
[72] MARTIN, JEFF THOMAS, US
[71] NATURAL GAS SOLUTIONS NORTH AMERICA, LLC, US
[22] 2019-08-30
[41] 2020-03-05
[30] US (16/121,695) 2018-09-05

[21] **3,053,948**
[13] A1
[51] **Int.Cl. A47G 21/18 (2006.01)**
[25] EN
[54] **REUSABLE STRAW**
[54] **PAILLE REUTILISABLE**
[72] BURNS, CLAY ALLEN, US
[72] SERRAHIMA, MARIO QUINTANA, US
[72] PARMELE, JAMES, US
[71] CAN'T LIVE WITHOUT IT, LLC, US
[22] 2019-09-03
[41] 2020-03-07
[30] US (62/728,250) 2018-09-07

[21] **3,054,012**
[13] A1
[51] **Int.Cl. B23Q 17/22 (2006.01) B21D 7/14 (2006.01) B21D 7/16 (2006.01) B21D 11/22 (2006.01) B21D 43/00 (2006.01) B23Q 15/24 (2006.01) B23Q 15/26 (2006.01) B23Q 17/24 (2006.01)**
[25] EN
[54] **MACHINE FOR THE WORKING OF TUBES PROVIDED WITH AN OPTICAL SENSOR FOR MEASURING THE FORWARD DISPLACEMENT OF THE TUBE BEING WORKED AND/OR THE ROTATIONAL DISPLACEMENT OF THE SAME ABOUT THE LONGITUDINAL AXIS THEREOF**
[54] **MACHINE POUR L`USINAGE DE TUBES POURVUS D`UN CAPTEUR OPTIQUE POUR MESURER LE DEPLACEMENT VERS L`AVANT DU TUBE USINE OU LE DEPLACEMENT EN ROTATION DE CELUI-CI AUTOUR DE SON AXE LONGITUDINAL**
[72] GEMIGNANI, ROBERTO, IT
[71] BLM S.P.A., IT
[22] 2019-09-04
[41] 2020-03-05
[30] IT (102018000008356) 2018-09-05

[21] **3,054,013**
[13] A1
[51] **Int.Cl. B23Q 17/22 (2006.01) B21D 7/14 (2006.01) B21D 7/16 (2006.01) B21D 43/00 (2006.01) B23Q 17/24 (2006.01)**
[25] EN
[54] **MACHINE FOR THE WORKING OF TUBES PROVIDED WITH A DEVICE FOR DETECTING ANY SLIPPAGE OF THE TUBE BEING WORKED**
[54] **MACHINE POUR L'USINAGE DE TUBES POURVUS D'UN DISPOSITIF DE DETECTION DE GLISSEMENT DE TOUT TUBE USINE**
[72] GEMIGNANI, ROBERTO, IT
[71] BLM S.P.A., IT
[22] 2019-09-04
[41] 2020-03-05
[30] IT (102018000008354) 2018-09-05

[21] **3,054,038**
[13] A1
[51] **Int.Cl. A23L 25/00 (2016.01) A23L 5/00 (2016.01) A23P 10/00 (2016.01) A23C 11/00 (2006.01) A23C 20/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A PREFERABLY VEGAN FOOD PRODUCT PARTICULATE, PREFERABLY VEGAN FOOD PRODUCT PARTICULATE, AND PREFERABLY VEGAN FINAL FOOD PRODUCT**
[54] **PROCEDE DE PRODUCTION D'UNE PARTICULE DE PRODUIT ALIMENTAIRE DE PREFERENCE VEGETALIEN, D'UNE PARTICULE DE PRODUIT ALIMENTAIRE DE PREFERENCE VEGETALIEN, ET D'UN PRODUIT ALIMENTAIREFINAL DE PREFERENCE VEGETALIEN**
[72] HERRMANN-BUERK, DIRK MICHAEL, DE
[72] MAHLER, MARIE-LUISE, DE
[71] HOCHLAND SE, DE
[22] 2019-09-04
[41] 2020-03-06
[30] DE (18 192 920.9) 2018-09-06

[21] **3,054,045**
[13] A1
[51] **Int.Cl. F16D 59/02 (2006.01) F16D 65/18 (2006.01)**
[25] EN
[54] **SPRING APPLIED HYDRAULIC RELEASED BRAKE**
[54] **FREIN A RESSORT A DESSERRAGE HYDRAULIQUE**
[72] CRAWFORD, NORMAN D., US
[72] HOAR, JEROMY A., US
[72] DENNIS, BRIAN P., US
[72] DODD, KENNETH A., US
[72] PALMER-COLEMAN, LYNROY T., US
[71] AUSCO PRODUCTS, INC., US
[22] 2019-09-04
[41] 2020-03-07
[30] US (62/728,122) 2018-09-07
[30] US (62/728,285) 2018-09-07
[30] US (62/728,448) 2018-09-07

[21] **3,054,046**
[13] A1
[51] **Int.Cl. G01N 15/10 (2006.01) G02F 1/1675 (2019.01) G02F 1/1676 (2019.01) G02F 1/1685 (2019.01) B81B 1/00 (2006.01)**
[25] EN
[54] **PATTERNED OPTOELECTRONIC TWEEZERS**
[54] **BRUCELLES OPTOELECTRONIQUES A MOTIFS**
[72] WHEELER, AARON, CA
[72] ZHANG, SHUAILONG, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[22] 2019-09-04
[41] 2020-03-04
[30] US (62/726,657) 2018-09-04

[21] **3,054,047**
[13] A1
[51] **Int.Cl. F16D 55/228 (2006.01) B60T 17/04 (2006.01) F16D 65/18 (2006.01)**
[25] EN
[54] **HYDRAULIC CALIPER ASSEMBLY**
[54] **ASSEMBLAGE DE FREIN HYDRAULIQUE A ETRIER**
[72] LEONARD, NANCY L., US
[72] DENNIS, BRIAN P., US
[72] CRAWFORD, NORMAN D., US
[72] DODD, KENNETH A., US
[71] AUSCO PRODUCTS, INC., US
[22] 2019-09-04
[41] 2020-03-07
[30] US (62/728,122) 2018-09-07
[30] US (62/728,285) 2018-09-07
[30] US (62/728,448) 2018-09-07

[21] **3,054,049**
[13] A1
[51] **Int.Cl. B60N 2/06 (2006.01) B60N 2/08 (2006.01) B60N 2/24 (2006.01) B60N 2/68 (2006.01)**
[25] EN
[54] **MOBILE FRAME FOR SEATS AND RELATIVE SLIDING SEATS SYSTEM**
[54] **ARMATURE MOBILE POUR SIEGES ET SYSTEME DE SIEGES COULISSANTS RELATIFS**
[72] CARBONE,INNOCENZO, IT
[72] GUIDONI,SANDRO, IT
[71] LAZZERINI SOCIETA'A RESPONSABILITA' LIMITATA, IT
[22] 2019-09-04
[41] 2020-03-07
[30] IT (102018000008432) 2018-09-07

[21] **3,054,050**
[13] A1
[51] **Int.Cl. F16D 65/06 (2006.01)**
[25] EN
[54] **STATOR PAD ASSEMBLY**
[54] **ENSEMBLE TAMPON STATOR**
[72] DENNIS, BRIAN P., US
[72] KENNETH, DODD A., US
[72] LEONARD, NANCY L., US
[71] AUSCO PRODUCTS, INC., US
[22] 2019-09-04
[41] 2020-03-07
[30] US (67/728,122) 2018-09-07
[30] US (62/728,285) 2018-09-07
[30] US (62/728,448) 2018-09-07

[21] **3,054,051**
[13] A1
[51] **Int.Cl. B60W 30/14 (2006.01)**
[25] EN
[54] **DOWNHILL SPEED CONTROL TARGET ADAPTATION BASED ON ENGINE RETARDER DEMAND**
[54] **ADAPTATION DE CIBLE DE COMMANDE DE VITESSE EN DESCENTE BASEE SUR LA DEMANDE DU RALENTISSEUR MOTEUR**
[72] SPEER, JASON, US
[72] VIRDEN, JOSEPH W., US
[71] PACCAR INC, US
[22] 2019-09-04
[41] 2020-03-04
[30] US (16/121319) 2018-09-04

[21] **3,054,054**
[13] A1
[51] **Int.Cl. B60P 7/04 (2006.01)**
[25] EN
[54] **AUTOMATED TARPING DEVICE AND SYSTEM**
[54] **APPAREIL ET SYSTEME AUTOMATISES DE BACHAGE**
[72] CLANCY, GERALD WAYNE, CA
[72] JUAN, ALEJANDRO JOSE, CA
[72] VERSTEEG, RICHARD JOHANNES ROBERT, CA
[72] BRADWELL, STEVEN DONALD, CA
[71] VALID MANUFACTURING LTD., CA
[22] 2019-09-04
[41] 2020-03-05
[30] US (62/727,350) 2018-09-05
[30] CA (3,016,533) 2018-09-05

[21] **3,054,124**
[13] A1
[51] **Int.Cl. B01D 53/047 (2006.01)**
[25] EN
[54] **RADIAL FLOW ADSORPTION VESSEL COMPRISING FLEXIBLE SCREEN**
[54] **RECIPIENT D'ADSORPTION A ECOULEMENT RADIAL AVEC ECRAN SOUPLE**
[72] KIFFER, MICAH S., US
[72] O'NEILL, CHRISTOPHER MICHAEL, US
[72] TENTARELLI, STEPHEN CLYDE, US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2019-09-04
[41] 2020-03-07
[30] US (16/124,712) 2018-09-07

[21] **3,054,157**
[13] A1
[51] **Int.Cl. B01D 45/12 (2006.01) B01D 21/26 (2006.01) B01D 50/00 (2006.01)**
[25] EN
[54] **INTEGRATED MULTI-STAGE SAND SEPARATION SYSTEM**
[54] **SYSTEME INTEGRE DE SEPARATION DE SABLE A PLUSIEURS ETAGES**
[72] MORIN, JUSTIN, CA
[72] NAGGE, RORY, CA
[72] BOWLEY, RYAN THOMAS, CA
[71] ENERCORP SAND SOLUTIONS INC., CA
[22] 2019-09-04
[41] 2020-03-04
[30] US (62/726,730) 2018-09-04

[21] **3,054,168**
[13] A1
[51] **Int.Cl. A47K 10/20 (2006.01) A47K 10/42 (2006.01) B65H 1/02 (2006.01)**
[25] EN
[54] **FOLDED TOWEL DISPENSER**
[54] **DISTRIBUTEUR DE SERVIETTES PLIEES**
[72] BOELTL, DARRYL M., US
[71] ACORN ENGINEERING COMPANY, US
[22] 2019-09-04
[41] 2020-03-05
[30] US (62/727,349) 2018-09-05

[21] **3,054,179**
[13] A1
[51] **Int.Cl. B65G 41/00 (2006.01)**
[25] EN
[54] **HIGH ANGLE CONVEYOR WITH SELF-ADJUSTING INFLECTION ZONE ASSEMBLY**
[54] **TRANSPORTEUR A FORTE INCLINAISON AVEC ZONE D'INFLEXION AUTOADAPTABLE**
[72] WILSON, ANDREW, GB
[72] WILSON, GAVIN, GB
[72] NIX, STEVIE KIM, US
[72] ATKINSON, LARRY NED, US
[71] JOY GLOBAL UNDERGROUND MINING LLC, US
[22] 2019-09-05
[41] 2020-03-05
[30] US (62/727,399) 2018-09-05

[21] **3,054,183**
[13] A1
[51] **Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01)**
[25] EN
[54] **REMOVABLE FAIRING**
[54] **CARENAGE AMOVIBLE**
[72] ROSE, BRENT LORENZ, US
[71] LUND, INC., US
[22] 2019-09-03
[41] 2020-03-04
[30] US (62/726,942) 2018-09-04

[21] **3,054,192**
[13] A1
[51] **Int.Cl. E04F 13/21 (2006.01) E04F 13/14 (2006.01) E04F 13/24 (2006.01) E04F 21/18 (2006.01) E04G 21/00 (2006.01)**
[25] EN
[54] **STONE STRAP ASSEMBLY FOR INSTALLATION**
[54] **ENSEMBLE DE SANGLES POUR PIERRE**
[72] LEBIEDZINSKI, CEZARY, CA
[72] POWALOWSKI, ANDRZEJ, CA
[71] STONE SELEX INC., CA
[22] 2019-09-05
[41] 2020-03-06
[30] US (62/727,756) 2018-09-06

[21] **3,054,204**
[13] A1
[51] **Int.Cl. G06T 7/246 (2017.01) A61B 34/10 (2016.01) G06T 7/10 (2017.01) A61B 6/03 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **METHOD, DEVICE AND SYSTEM FOR DYNAMIC ANALYSIS FROM SEQUENCES OF VOLUMETRIC IMAGES**
[54] **PROCEDE, DISPOSITIF ET SYSTEME D'ANALYSE DYNAMIQUE A PARTIR DE SEQUENCES D'IMAGES VOLUMETRIQUES**
[72] DE VAAN, JAN, NL
[72] HEIL, PETER, NL
[72] WITTEVEEN, ARJEN, NL
[72] CHATROU, MARTIJN, NL
[71] 3MENSIO MEDICAL IMAGING B.V., NL
[22] 2019-09-03
[41] 2020-03-07
[30] EP (18193175.9) 2018-09-07

[21] **3,054,213**
[13] A1
[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/901 (2019.01)**
[25] EN
[54] **INFORMATION MANAGEMENT METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE GESTION DE L'INFORMATION**
[72] LI, ZHENDONG, CN
[71] 10353744 CANADA LTD., CA
[22] 2019-09-05
[41] 2020-03-06
[30] CN (201811039097.1) 2018-09-06

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[21] **3,054,215**
[13] A1
[51] **Int.Cl. H02G 3/02 (2006.01) H02G 3/06 (2006.01)**
[25] EN
[54] **QUICK CONNECT**
[54] **BRANCHEMENT RAPIDE**
[72] SEMPLE, SHANE, US
[72] CONROY, RONALD, US
[72] PLATT, JOSEPH, US
[72] PANDEY, PRINCE KUMAR, IN
[72] KHOKLE, HIMANSHU G., IN
[72] MESTRI, GANGADHAR, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[22] 2019-09-05
[41] 2020-03-06
[30] US (62/727786) 2018-09-06
[30] US (62/807132) 2019-02-18
[30] US (62/807147) 2019-02-18

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[21] **3,054,216**
[13] A1
[51] **Int.Cl. G07C 3/00 (2006.01) A47K 1/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPROVING INFECTION CONTROL IN A FACILITY**
[54] **METHODES ET SYSTEMES POUR AMELIORER LE CONTROLE DES INFECTIONS DANS UNE INSTALLATION**
[72] KOLAVENNU, SOUMITRI, US
[72] PAI, RAMDAS, US
[72] MAHASENAN, ARUN VIJAYAKUMARI, US
[72] PADMANABHAN, ARAVIND, US
[72] NIE, RONGBAO, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2019-09-05
[41] 2020-03-05
[30] US (62/727480) 2018-09-05

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[21] **3,054,219**
[13] A1
[51] **Int.Cl. H04B 7/155 (2006.01) H04B 1/40 (2015.01)**
[25] EN
[54] **CHANNELIZATION OPTIONS FOR REDUCING NETWORK SENSITIVITY**
[54] **OPTIONS DE DECOUPAGE EN CANAUX POUR REDUIRE LA SENSIBILITE DU RESEAU**
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] ANDERSON, DALE ROBERT, US
[72] PATEL, ILESH V., US
[71] WILSON ELECTRONICS, LLC., US
[22] 2019-09-05
[41] 2020-03-07
[30] US (62/728,636) 2018-09-07

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[21] **3,054,221**
[13] A1
[51] **Int.Cl. B29C 64/40 (2017.01) B33Y 10/00 (2015.01) B33Y 80/00 (2015.01)**
[25] EN
[54] **3D PRINTING SUPPORT STRUCTURES INCORPORATING SACRIFICIAL MATERIALS**
[54] **STRUCTURES DE SUPPORT D'IMPRESSION 3D INCORPORANT DES MATERIAUX SACRIFICIELS**
[72] MOORLAG, CAROLYN P., CA
[72] HU, NAN-XING, CA
[72] FARRUGIA, VALERIE M., CA
[71] XEROX CORPORATION, US
[22] 2019-09-05
[41] 2020-03-06
[30] US (16/123625) 2018-09-06

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[21] **3,054,226**
[13] A1
[51] **Int.Cl. H04W 4/30 (2018.01) E05F 15/668 (2015.01)**
[25] EN
[54] **MOVABLE BARRIER OPERATOR REGISTRATION VERIFICATION**
[54] **VERIFICATION D'ENREGISTREMENT D'ACTIONNEUR DE BARRIERE MOBILE**
[72] FARBER, JORDAN ARI, US
[72] MURRAY, JAMES SCOTT, US
[71] THE CHAMBERLAIN GROUP, INC., US
[22] 2019-09-05
[41] 2020-03-07
[30] US (62/728,721) 2018-09-07

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[21] **3,054,227**
[13] A1
[51] **Int.Cl. B62D 25/08 (2006.01) B60J 5/10 (2006.01) B62D 33/027 (2006.01)**
[25] EN
[54] **TOLERANCE COMPENSATING HINGE ATTACHMENT**
[54] **FIXATION DE CHARNIERE A COMPENSATION DE TOLERANCE**
[72] VANDERPOOL, VAUGHN D., US
[71] MAGNA EXTERIORS INC., CA
[22] 2019-09-05
[41] 2020-03-05
[30] US (62/727,171) 2018-09-05

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[21] **3,054,228**
[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/06 (2012.01) G06Q 20/38 (2012.01)**
[25] EN
[54] **MULTI-SIGNATURE VERIFICATION NETWORK**
[54] **RESEAU DE VERIFICATION MULTISIGNATURES**
[72] PERULLO, JERRY, US
[71] INTERCONTINENTAL EXCHANGE HOLDINGS, INC., US
[22] 2019-09-05
[41] 2020-03-06
[30] US (62/727,824) 2018-09-06
[30] US (16/561,295) 2019-09-05

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[21] **3,054,229**
[13] A1
[51] **Int.Cl. G02B 13/06 (2006.01) G02B 11/34 (2006.01) G02B 13/24 (2006.01) H04N 5/374 (2011.01) H04N 1/58 (2006.01)**
[25] EN
[54] **WIDE FIELD OF VIEW F-THETA LENS**
[54] **LENTILLES F-THETA A CHAMP DE VISION LARGE**
[72] OSKOTSKY, MARK L., US
[72] ENGHEBEN, DANIEL, US
[72] LIPARI, VINCENT, US
[72] RUSSO, MICHAEL J., JR., US
[71] BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC., US
[22] 2019-09-05
[41] 2020-03-06
[30] US (16/123520) 2018-09-06

[21] **3,054,230**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **UTILIZING MACHINE LEARNING TO GENERATE AUGMENTED REALITY DELIVERY INSTRUCTIONS FOR DELIVERING AN ITEM TO A LOCATION**
[54] **UTILISATION DE L'APPRENTISSAGE AUTOMATIQUE POUR GENERER DES INSTRUCTIONS DE LIVRAISON DE REALITE AUGMENTEE POUR LIVRER UN ARTICLE A UN ENDROIT**
[72] MOSSOBA, MICHAEL, US
[72] BENKREIRA, ABDELKADAR M'HAMED, US
[72] EDWARDS, JOSHUA, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-09-05
[41] 2020-03-05
[30] US (16/122476) 2018-09-05

[21] **3,054,235**
[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) A61B 3/113 (2006.01) A61B 5/11 (2006.01) H04N 7/18 (2006.01)**
[25] EN
[54] **DETERMINING AN ACTION OF A CUSTOMER IN RELATION TO A PRODUCT**
[54] **DETERMINATION D'UNE ACTION D'UN CLIENT PAR RAPPORT A UN PRODUIT**
[72] TRUONG, ANH, US
[72] TAYLOR, KENNETH, US
[72] PHAM, VINCENT, US
[72] ABAD, FARDIN ABDI TAGHI, US
[72] GOODSITT, JEREMY, US
[72] WALTERS, AUSTIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2019-09-05
[41] 2020-03-07
[30] US (16/125029) 2018-09-07

[21] **3,054,382**
[13] A1
[51] **Int.Cl. G08C 17/02 (2006.01) G08C 17/06 (2006.01)**
[25] EN
[54] **CONTROL UNIT FOR A REMOTE CONTROL COMPRISING AN ACTIVATION SENSOR WITH A VARIABLE EFFECTIVE SENSOR RANGE**
[54] **UNITE DE COMMANDE POUR TELECOMMANDE AVEC CAPTEUR D'ACTIVATION DOTE D'UNE GAMME DE CAPTEURS EFFICACES VARIABLES**
[72] ANTES, JOCHEN, DE
[72] BRENDEL, FRIEDERIKE, DE
[71] BRENDEL HOLDING GMBH & CO. KG, DE
[22] 2019-09-04
[41] 2020-03-05
[30] DE (10 2018 215 066.4) 2018-09-05

[21] **3,054,404**
[13] A1
[51] **Int.Cl. G06N 3/08 (2006.01)**
[25] EN
[54] **SYSYEM AND METHOD FOR IMPROVING DEEP NEURAL NETWORK PERFORMANCE**
[54] **SYSTEME ET PROCEDE D'AMELIORATION DES PERFORMANCES D'UN RESEAU DE NEURONES PROFOND**
[72] CAO, YANSHUAI, CA
[72] HUANG, RUITONG, CA
[72] WEN, JUNFENG, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-09-05
[41] 2020-03-05
[30] US (62/727,504) 2018-09-05

[21] **3,054,409**
[13] A1
[51] **Int.Cl. H04L 12/16 (2006.01) G06F 16/95 (2019.01) H04L 9/06 (2006.01)**
[25] EN
[54] **DOMAIN NAME OBFUSCATION AND METADATA STORAGE VIA ENCRYPTION**
[54] **BROUILLAGE DE NOM DE DOMAINE ET STOCKAGE DE METADONNEES PAR CHIFFREMENT**
[72] FLIAM, RICHARD, US
[72] ARBUCKLE, DAVID, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[71] FLIAM, RICHARD, US
[22] 2019-09-04
[41] 2020-03-05
[30] US (16/122,565) 2018-09-05

[21] **3,054,415**
[13] A1
[51] **Int.Cl. A63B 71/12 (2006.01) A41D 13/015 (2006.01)**
[25] EN
[54] **HOCKEY GOALKEEPER LEG PADS**
[54] **JAMBIERE DE GARDIEN DE BUT HOCKEY**
[72] VAILLANCOURT, CHARLES, CA
[72] POITRAS, MATHIEU, CA
[71] BAUER HOCKEY LTD., CA
[22] 2019-09-04
[41] 2020-03-04
[30] US (62/726,683) 2018-09-04

[21] **3,054,416**
[13] A1
[51] **Int.Cl. B29C 45/40 (2006.01)**
[25] EN
[54] **REMOVAL ELEMENT**
[54] **ELEMENT AMOVIBLE**
[72] TILSNER, CHRISTIAN, DE
[72] SUB, PETER, DE
[71] MHT MOLD & HOTRUNNER TECHNOLOGY AG, DE
[22] 2019-09-05
[41] 2020-03-07
[30] DE (10 2018 121 878.8) 2018-09-07

[21] **3,054,421**
[13] A1
[51] **Int.Cl. G01S 19/24 (2010.01) G01S 19/22 (2010.01)**
[25] EN
[54] **GROUND TIME VIRTUALLY REFERENCED POSITIONING AND TIMING SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT ET DE SYNCHRONISATION D'IMMOBILISATION REFERENCE VIRTUELLEMENT**
[72] FLOCH, JEAN-JACQUES, DE
[72] BEY, THOMAS, DE
[72] SOUALLE, FRANCIS, DE
[71] AIRBUS DEFENCE AND SPACE GMBH, DE
[22] 2019-09-04
[41] 2020-03-06
[30] EP (18192934.0) 2018-09-06

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[21] **3,054,507**
[13] A1
[51] **Int.Cl. E04F 11/18 (2006.01) E04F 11/04 (2006.01)**
[25] EN
[54] **REMOVABLE STAIR SYSTEM WITH RAILINGS**
[54] **SYSTEME D'ESCALIER AMOVIBLE AVEC RAMPES**
[72] RICHARD, ADAM, CA
[71] LES ATELIERS ADAM RICHARD INC., CA
[22] 2019-09-06
[41] 2020-03-07
[30] US (62728266) 2018-09-07

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[21] **3,054,513**
[13] A1
[51] **Int.Cl. B62D 55/08 (2006.01)**
[25] EN
[54] **VEHICLE AND TRACK SYSTEM WITH PRESSURE-ADJUSTABLE WHEELS**
[54] **SYSTEME DE RAIL ET VEHICULE AVEC ROUES DE REGLAGE DE LA PRESSION**
[72] SAUVAGEAU, YVES, CA
[72] PEPIN, PIERRE-YVES, CA
[72] NADEAU, MARC, CA
[72] NANAC, BRANISLAV, CA
[72] THERRIEN, GENEVIEVE, CA
[72] TODD, ANDRE, CA
[72] LEPAGE-HURTEAU, ARIANE, CA
[72] ALLIGUIE, CEDRIC, CA
[72] LAPALME, JONATHAN, CA
[72] DUBUC, NICOLAS, CA
[72] JAILLET-GOSSELIN, PHILIPPE, CA
[71] SOUCY INTERNATIONAL INC., CA
[22] 2019-09-06
[41] 2020-03-07
[30] US (62/728,697) 2018-09-07
[30] US (62/728,161) 2018-09-07
[30] US (62/728,669) 2018-09-07
[30] US (62/728,662) 2018-09-07
[30] US (62/728,673) 2018-09-07
[30] US (62/728,690) 2018-09-07

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[21] **3,054,518**
[13] A1
[51] **Int.Cl. C07D 495/22 (2006.01) C07D 471/16 (2006.01) C09B 5/62 (2006.01) H01L 51/30 (2006.01) H01L 51/46 (2006.01) H01M 8/18 (2006.01)**
[25] EN
[54] **OLIGOMERIC PERYLENE DIIMIDE NON-FULLERENE ACCEPTORS VIA DIRECT (HETERO) ARYLATION CROSS-COUPLING REACTIONS**
[54] **ACCEPTEURS NON FULLERENE DE DIIMIDES DE PERYLENE OLIGOMERIQUE PAR REACTIONS DE COUPLAGE CROISE D`ARYLATION DIRECTE (HETERO)**
[72] PAYNE, ABBY-JO, CA
[72] WELCH, GREGORY C., CA
[71] UTI LIMITED PARTNERSHIP, CA
[22] 2019-09-06
[41] 2020-03-07
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[54] **TACTICAL BELT OR BELT ACCESSORY**
[54] **CEINTURE TACTIQUE OU ACCESSOIRE DE CEINTURE**
[72] HAWKINS, DAVID ROBERT L., CA
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[54] **METHOD AND SYSTEM FOR NAVIGATING A BONE MODEL IN COMPUTER-ASSISTED SURGERY**
[54] **PROCEDE ET SYSTEME DE CONSULTATION D'UN MODELE OSSEUX EN CHIRURGIE ASSISTEE PAR ORDINATEUR**
[72] DUFOUR, MARC-ANTOINE, CA
[72] VALIN, MYRIAM, CA
[72] MERETTE, JEAN-SEBASTIEN, CA
[72] COUTURE, PIERRE, CA
[72] BRUMMUND, MARTIN, CA
[71] ORTHOSOFT INC., CA
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[54] **PATCH PANEL SYSTEM WITH TILTABLE TRAY AND MULTIPOSITION LOCK AND RELEASE MECHANISM**
[54] **SYSTEME DE PANNEAU DE REPARTITION AVEC PLATEAU INCLINABLE ET MECANISME DE VERROUILLAGE ET DE DECLENCHEMENT MULTI-POSITIONS**
[72] ROA-QUISPE, CHRISTIAN, CA
[72] FONTAINE, MARC, CA
[71] BELDEN CANADA INC., CA
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[54] **WOVEN GEOTEXTILE FABRICS WITH INTEGRATED GEOTEXTILE GRIDS OR GEOGRIDS**
[54] **TISSUS GEOTEXTILES TISSES AVEC GRILLES GEOTEXTILES OU GEOGRILLES INTEGREES**
[72] RAY, KEVIN WILLIAM, US
[72] BOOTH, ERIC LEE, US
[71] WILLACOOCHEE INDUSTRIAL FABRICS, INC., US
[22] 2019-09-06
[41] 2020-03-07
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[54] **SYSTEMS AND METHODS FOR SURGICAL IMPLANT GUIDANCE AND POSITIONING WITH OPTICAL SURFACE IMAGING**
[54] **SYSTEMES ET METHODES DE GUIDAGE ET DE POSITIONNEMENT D`IMPLANTS CHIRURGICAUX PAR IMAGERIE OPTIQUE DE SURFACE**
[72] BURNS, DAVID M., CA
[72] WHYNE, CARI M., CA
[72] ROBERT, NORMAND, CA
[71] SUNNYBROOK RESEARCH INSTITUTE, CA
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[54] **PROGNOSIS AND TREATMENT OF RELAPSING LEUKEMIA**
[54] **PRONOSTIC ET TRAITEMENT D`UNE LEUCEMIE RECIDIVANTE**
[72] BHATIA, MICKIE, CA
[72] BOYD, ALLISON LINDSAY, CA
[72] ASLOSTOVAR, LEILI, CA
[71] MCMASTER UNIVERSITY, CA
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[54] **SIDE CUTTER FOR MILLING MACHINE**
[54] **FRAISE LATERALE POUR FRAISEUSE**
[72] BEVILL, JAMES H., US
[72] STEVENS, TIM, US
[71] ROADTEC, INC., US
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[54] **THRUST REVERSER ACTUATION ARRANGEMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'AGENCEMENT DE COMMANDE D'INVERSEUR DE POUSSEE**
[72] GORMLEY, TIMOTHY, US
[72] GHANDOUR, IMAD D., US
[71] ROHR, INC., US
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[54] **METHOD OF ENCAPSULATING CANNABINOIDS IN PHOSPHOLIPID CARRIERS**
[54] **PROCEDE D'ENCAPSULATION DE CANNABINOIDES DANS DES SUPPORTS DE PHOSPHOLIPIDES**
[72] RHODES, TANYA, US
[72] DUFFEY, DEBORAH, US
[71] NUVESSL, INC., CA
[22] 2019-11-05
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[54] **METHOD OF USING CANNABINOIDS ENCAPSULATED IN PHOSPHOLIPID CARRIERS FOR TRANSMUCOSAL AND TRANSDERMAL ADMINISTRATION**
[54] **PROCEDE D'UTILISATION DE CANNABINOIDES ENCAPSULES DANS DES SUPPORTS DE PHOSPHOLIPIDES POUR UNE ADMINISTRATION TRANSMUCOSALE ET TRANSDERMIQUE**
[72] RHODES, TANYA, US
[72] DUFFEY, DEBORAH, US
[71] NUVESSL, INC., CA
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[54] **CANNABIS SATIVA DERIVED FORMULATION FOR TRANSMUCOSAL AND TRANSDERMAL DELIVERY**
[54] **FORMULATION DERIVEE DU CANNABIS SATIVA POUR LA LIVRAISON TRANSFERMALE ET TRANSMUQUEUSE**
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[72] DUFFEY, DEBORAH, US
[71] NUVESSL, INC., CA
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[54] **PULLEY ASSEMBLIES FOR USE IN MODULAR UTILITY SYSTEMS**
[54] **ENSEMBLES DE POULIES DESTINES POUR UTILISATION DANS DES SYSTEMES UTILITAIRES MODULAIRES**
[72] LEBLANC, ALEXANDER, CA
[71] ARCHI ENTERPRISES INC., CA
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[25] EN
[54] **A HIGH EFFICIENCY POWER GENERATION SYSTEM AND A METHOD OF OPERATING SAME**
[54] **SYSTEME DE PRODUCTION D'ENERGIE A HAUT RENDEMENT ET SON MODE DE FONCTIONNEMENT**
[72] HERRERA, ALEXIS, AE
[72] BAGHDANE, IYAD, AE
[71] A&I SERVICES INCORPORATED, AE
[22] 2019-11-22
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[54] **APPAREIL DE LEVAGE DE VEHICULE**
[72] HORIMIZU, TOSHIHIDE, JP
[72] MOCHIZUKI, TADASHI, JP
[71] YASUI CORPORATION, JP
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[54] **AN AIRCRAFT WITH A SAFETY DISTANCE DISPLAY APPARATUS**
[54] **AERONEF EQUIPE D'UN APPAREIL D'AFFICHAGE DE DISTANCE DE SECURITE**
[72] DESMET, LIEVEN, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
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[54] **PERSONAL PROTECTION DEVICE FOR FIXING ON THE UNDERSIDE OF A RAIL VEHICLE**
[54] **DISPOSITIF DE PROTECTION INDIVIDUELLE A FIXER SOUS UN VEHICULE FERROVIAIRE**
[72] FEL, LANDRI, AT
[71] BOMBARDIER TRANSPORTATION GMBH, DE
[22] 2019-11-29
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[25] EN
[54] **CABLE RETRIEVING SYSTEM FOR AN ELECTRIC VEHICLE CHARGING STATION**
[54] **SYSTEME DE RAPPEL DES CABLES POUR BORNE DE RECHARGE POUR VEHICULES ELECTRIQUES**
[72] MAILLOUX, DANIEL, CA
[71] ADDENERGIE TECHNOLOGIES INC., CA
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[54] **A RADIOFREQUENCY ABLATION CATHETER WITH MESHED TUBULAR STENT STRUCTURE HAVING SHAPE STABILIZATION DESIGNS AND METHODS OF MANUFACTURING THE SAME**
[54] **CATHETER D'ABLATION PAR RADIOFREQUENCE AVEC STRUCTURE D'ENDOPROTHESE TUBULAIRE MAILLEE AYANT DES CONCEPTIONS DE STABILISATION DE FORME ET SES METHODES DE FABRICATION**
[72] DONG, YONGHUA, CN
[72] SHEN, MEIJUN, CN
[71] SHANGHAI GOLDEN LEAF MED TEC CO., LTD., CN
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[54] **A POWER TRANSMISSION SYSTEM**
[54] **SYSTEME DE TRANSMISSION DE PUISSANCE**
[72] CORTES-FARGAS, MARC, DE
[72] BECKERS, WOUTER, DE
[72] FISCHER, JUERGEN, DE
[72] KELLNER, THOMAS, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
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[54] **ASSISTANCE PROCESS FOR SINGLE-ENGINED ROTARY WING AIRCRAFT DURING AN ENGINE FAILURE**
[54] **PROCEDE D'ASSISTANCE POUR AERONEF MONOMOTEUR A VOILURE TOURNANTE LORS D'UNE PANNE MOTEUR**
[72] ZOPPITELLI, ELIO, FR
[72] JAMOT, MICHEL, FR
[72] CAMUS, JEREMY, FR
[72] MAEGEY, OLIVIER, FR
[71] AIRBUS HELICOPTERS, FR
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[54] **SYSTEMS AND METHODS FOR DETERMINING DOCUMENT COMPATIBILITY**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER LA COMPATIBILITE DES DOCUMENTS**
[72] ABAD, FARDIN ABDI TAGHI, US
[72] WALTERS, AUSTIN, US
[72] GOODSITT, JEREMY EDWARD, US
[72] FARIVAR, REZA, US
[72] PHAM, VINCENT, US
[72] TRUONG, ANH, US
[72] TAYLOR, KENNETH, US
[72] WATSON, MARK, US
[71] CAPITAL ONE SERVICES, LLC, US
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[54] **ROTARY IMPACT TOOLS WITH NOISE REDUCTION MECHANISM**
[54] **OUTILS PERCUTEURS ROTATIFS DOTES D'UN MECANISME DE REDUCTION DU BRUIT**
[72] LIANG, RUI, CN
[72] MA, LI GUO, CN
[72] ZHOU, JING FENG, CN
[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN
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[54] **NOVEL PROMOTER AND METHOD FOR PRODUCING PURINE NUCLEOTIDE USING THE SAME**
[54] **PROMOTEUR NOVATEUR ET METHODE DE PRODUCTION DE NUCLEOTIDE DE PURINE AU MOYEN DUDIT PROMOTEUR**
[72] BAEK, MIN JI, KR
[72] LEE, JI HYE, KR
[72] PARK, SO-JUNG, KR
[72] BAE, JEE YEON, KR
[71] CJ CHEILJEDANG CORPORATION, KR
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[54] **SYSTEM AND METHOD FOR SECURE ELECTRONIC TRANSACTION PLATFORM**
[54]
[72] ORTIZ, EDISON U., CA
[72] POURTABATABAIE, ARYA, CA
[72] KHANDAVILLI, AMBICA PAWAN, CA
[72] SALTER, MARGARET INEZ, CA
[72] RICHARDS, JORDAN ALEXANDER, CA
[72] VINTILA, IUSTINA-MIRUNA, CA
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[54] **SYSTEME ET INSTRUMENT A RESONANCE PLASMONIQUE, CARTOUCHE MICROFLUIDIQUE NUMERIQUE ET METHODES D`UTILISATION DE LA RESONANCE PLASMONIQUE DE SURFACE LOCALISEE POUR ANALYSE D`ANALYTES**
[72] DENOMME, RYAN, CA
[72] SUDARSAN, ARJUN, US
[71] NICOYA LIFESCIENCES, INC., CA
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[54] **PATES THERAPEUTIQUES CONTENANT DES ADDITIFS COMPRENANT DU PLASMA SANGUIN HUMAIN TRAITE**
[72] KRONENTHAL, RICHARD L., US
[72] DARR, ANIQ, US
[72] PACIFICO, JOHN, US
[71] ABYRX, INC., US
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[54] **IDENTIFICATION D'ENTITES DANS DES ENREGISTREMENTS MEDICAUX ELECTRONIQUES**
[72] CAO, SHAOSHENG, CN
[72] ZHOU, JUN, CN
[71] ALIBABA GROUP HOLDING LIMITED, KY
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[54] **METHODS AND SYSTEMS FOR IMPLANTING A NEUROMODULATION SYSTEM AND A SPINAL FIXATION SYSTEM AT A SURGICALLY OPEN SPINAL TREATMENT SITE**
[54]
[72] MOLNAR, GREGORY F., US
[72] GRUBE, KYLE, US
[72] PARK, MICHAEL, US
[72] HUNT, MATTHEW, US
[72] HILL, KATHY, US
[72] FRANK, CHRISTOPHER G., US
[72] ZENANO, JUSTIN D., US
[72] LINDBORG, BETH A., US
[72] PEYMAN, NAZMI, US
[71] SYNERFUSE, INC., US
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[54] **NEAR-EYE DISPLAY WITH LASER DIODE ILLUMINATION**
[54] **ECRAN D`AFFICHAGE PRES DE L`OEIL AYANT UN ECLAIRAGE A DIODE LASER**
[72] DANZIGER, YOCHAY, IL
[72] CHRIKI, RONEN, IL
[72] LIVNEH, NITZAN, IL
[71] LUMUS LTD., IL
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[54] **METHOD OF TREATMENT OF SPENT ION-EXCHANGE RESINS FOR DISPOSAL AND DEVICE FOR ITS IMPLEMENTATION**
[54]
[72] SOLDATOV, MIKHAIL ALEKSANDROVICH, RU
[72] NEUPOKOEV, MIKHAIL ALEKSEEVICH, RU
[71] JOINT STOCK COMPANY "ROSENERGOATOM", RU
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[71] ESAB AB, SE
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[54] **CIBLAGE DE RECEPTEURS DE GLUTAMATE LIES A A2D-1 POUR LE TRAITEMENT DE MALADIES ET DE TROUBLES**
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[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING INFORMATION ABOUT SIZE OF RESOURCE UNIT IN WIRELESS LOCAL AREA NETWORK SYSTEM**
[54]
[72] KIM, JEONGKI, KR
[72] RYO, KISEON, KR
[72] CHOI, JINSOO, KR
[71] LG ELECTRONICS INC., KR
[85] 2020-02-18
[86] 2019-08-22 (PCT/KR2019/010661)
[87] (3072820)
[30] KR (10-2018-0099503) 2018-08-24
[30] KR (10-2018-0098869) 2018-08-23

[21] **3,073,274**
[13] A1
[51] **Int.Cl. B60Q 1/26 (2006.01) B60Q 1/56 (2006.01) B60R 13/10 (2006.01) G06K 7/10 (2006.01)**
[25] EN
[54] **ELECTRONICALLY READABLE DISPLAY FEATURES FOR A DIGITAL LICENSE PLATE**
[54] **CARACTERISTIQUES D'AFFICHAGE LISIBLES ELECTRONIQUEMENT POUR UNE PLAQUE D'IMMATRICULATION NUMERIQUE**
[72] BATTEN, DEAN, US
[72] DUBAL, PRASHANT, US
[71] REVIVERMX, INC., US
[85] 2020-02-18
[86] 2018-01-05 (PCT/US2018/012577)
[87] (WO2019/036058)
[30] US (62/547,477) 2017-08-18

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[13] A1
[51] **Int.Cl. B60R 13/10 (2006.01) G07B 15/06 (2011.01) B60Q 1/56 (2006.01) G01S 13/75 (2006.01) G06K 7/10 (2006.01) G08B 1/08 (2006.01) G09F 7/02 (2006.01)**
[25] EN
[54] **PARKING ENFORCEMENT MONITORING SYSTEM FOR A DIGITAL LICENSE PLATE**
[54] **SYSTEME DE CONTROLE D'EXECUTION DE STATIONNEMENT POUR UNE PLAQUE D'IMMATRICULATION NUMERIQUE**
[72] BATTEN, DEAN, US
[72] DUBAL, PRASHANT, US
[71] REVIVERMX, INC., US
[85] 2020-02-18
[86] 2018-01-05 (PCT/US2018/012664)
[87] (WO2019/036059)
[30] US (62/547,426) 2017-08-18

[21] **3,073,276**
[13] A1
[51] **Int.Cl. E04B 2/74 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR SELECTIVELY POSITIONING WALL-MOUNTED DEVICES**
[54] **SYSTEMES ET PROCEDES DE POSITIONNEMENT SELECTIF DE DISPOSITIFS MONTES SUR PAROI**
[72] GOSLING, GEOFF, CA
[72] BLEHM, COLIN V., CA
[71] DIRTT ENVIRONMENTAL SOLUTIONS, LTD., US
[85] 2020-02-18
[86] 2018-05-08 (PCT/US2018/031574)
[87] (WO2018/213062)
[30] US (62/508,558) 2017-05-19

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[13] A1
[51] **Int.Cl. E21B 43/12 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **INTEGRATED BASE ASSEMBLY FOR BEAM PUMPING UNIT**
[54] **ENSEMBLE DE BASE INTEGRE POUR CHEVALET DE POMPAGE**
[72] JONES, ROBERT MILER, US
[71] LUFKIN INDUSTRIES, LLC, US
[85] 2020-02-18
[86] 2018-08-13 (PCT/US2018/046410)
[87] (WO2019/036312)
[30] US (62/547,572) 2017-08-18

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[13] A1
[51] **Int.Cl. A23L 29/30 (2016.01) A23L 27/30 (2016.01) A23L 33/125 (2016.01) C12P 19/14 (2006.01) C12P 19/22 (2006.01) C13K 7/00 (2006.01)**
[25] EN
[54] **MALTOSE SYRUPS, COMESTIBLES COMPRISING THE SYRUP, AND PROCESS FOR MAKING THE SAME**
[54] **SIROPS DE MALTOSE, PRODUITS COMESTIBLES COMPRENANT LE SIROP ET LEUR PROCEDE DE FABRICATION**
[72] BERTOLI, JOSE, US
[72] YAMAMOTO, WALTER, US
[72] ARNONI, LAERCIO, US
[71] CORN PRODUCTS DEVELOPMENT, INC., BR
[85] 2020-02-18
[86] 2018-08-14 (PCT/US2018/046756)
[87] (WO2019/040327)
[30] US (62/548,126) 2017-08-21

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[13] A1
[51] **Int.Cl. A61M 5/20 (2006.01)**
[25] EN
[54] **DOSAGE MEASUREMENT MODULE ON INJECTION PEN**
[54] **MODULE DE MESURE DE DOSAGE SUR STYLO D'INJECTION**
[72] BYERLY, ROY HOWARD, US
[72] GRIMES, COLLIN HUNTER, US
[72] GUNNARSSON, JEFFREY MANFRED, US
[72] MENG, CHENRONG, US
[72] MINOLI, ANDRE RAFAEL, US
[72] MUMPOWER, MARIANO, US
[72] MURPHY, BRIAN GREGORY, US
[72] PEARL, AARON SAMUEL, US
[72] SHOEMAKER, ABBIE LYNN, US
[72] ZSCHACK, SAMUEL ROBERT, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-18
[86] 2018-08-17 (PCT/US2018/046860)
[87] (WO2019/036576)
[30] US (62/547,168) 2017-08-18

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[13] A1
[51] **Int.Cl. C01G 39/06 (2006.01) C01G 41/00 (2006.01) C09C 1/42 (2006.01)**
[25] EN
[54] **REVERSIBLE MULTI-RESPONSIVE AND MULTI-PATTERNED NANOCOATINGS**
[54] **NANOREVETEMENTS A MOTIFS MULTIPLES ET A REPONSES MULTIPLES REVERSIBLES**
[72] SUN, LUYI, US
[72] LIU, JINGJING, US
[72] ZHENG, SONGSHAN, US
[72] D'AURIA, THOMAS, US
[72] LIM, YOUNG HOON, JP
[72] ZHOU, TIANLEI, JP
[72] KOTAKI, MASAYA, JP
[71] KANEKA CORPORATION, JP
[71] THE UNIVERSITY OF CONNECTICUT, US
[85] 2020-02-18
[86] 2018-08-17 (PCT/US2018/046945)
[87] (WO2019/036648)
[30] US (62/547,444) 2017-08-18

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[13] A1
[51] **Int.Cl. G05D 1/02 (2020.01)**
[25] EN
[54] **CONTEXT AWARE STOPPING FOR AUTONOMOUS VEHICLES**
[54] **ARRET SENSIBLE AU CONTEXTE POUR VEHICULES AUTONOMES**
[72] DYER, JOHN WESLEY, US
[72] TORRES, LUIS, US
[72] EPSTEIN, MICHAEL, US
[72] DUPRE, GUILLAUME, US
[72] HERBACH, JOSHUA SETH, US
[71] WAYMO LLC, US
[85] 2020-02-18
[86] 2018-08-21 (PCT/US2018/047219)
[87] (WO2019/040431)
[30] US (15/683,028) 2017-08-22

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[13] A1
[51] **Int.Cl. F16F 1/373 (2006.01) F16F 1/38 (2006.01)**
[25] EN
[54] **ANTI-VIBRATION MOUNT**
[54] **SUPPORT ANTI-VIBRATIONS**
[72] HUTCHINGS, MICHAEL, ANTONY, GB
[72] FAIRCHILD, THOMAS, JAMES, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-02-18
[86] 2018-08-20 (PCT/GB2018/052351)
[87] (WO2019/038524)
[30] GB (1713366.1) 2017-08-21
[30] EP (17275124.0) 2017-08-21

[21] **3,073,451**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) H04L 12/729 (2013.01) H04L 12/751 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING COMMUNICATION RESOURCES**
[54] **SYSTEME ET PROCEDE POUR L'EVALUATION DE RESSOURCES DE COMMUNICATION**
[72] AZZAM, IMAD, CA
[72] SZE, DAVID PUI KEUNG, CA
[72] SCHNEIDER, TODD, CA
[72] OBERHOLZER, JONATHON, CA
[72] FRUSINA, BOGDAN, CA
[71] DEJERO LABS INC., CA
[85] 2020-02-20
[86] 2018-08-22 (PCT/CA2018/051012)
[87] (WO2019/036806)

[21] **3,073,455**
[13] A1
[51] **Int.Cl. A61M 15/00 (2006.01) A61B 5/087 (2006.01)**
[25] EN
[54] **DEVICE WITH FLOW RATE INDICATOR**
[54] **DISPOSITIF AVEC INDICATEUR DE DEBIT**
[72] SPENCER, DAVID, GB
[72] BRUIN, RONALD, GB
[72] SANDERS, MARK, GB
[71] CLEMENT CLARKE INTERNATIONAL LTD, GB
[85] 2020-02-20
[86] 2018-08-03 (PCT/EP2018/071149)
[87] (WO2019/038064)

[21] **3,073,458**
[13] A1
[51] **Int.Cl. G07B 15/02 (2011.01) G07C 1/30 (2006.01) G08G 1/01 (2006.01)**
[25] EN
[54] **PARKING CONTROL METHOD AND CORRESPONDING COMPUTER PROGRAM**
[54] **PROCEDE DE COMMANDE DE STATIONNEMENT ET PROGRAMME INFORMATIQUE CORRESPONDANT**
[72] SENTIS ROS, CARLES, ES
[71] SENTISROS, SLP, ES
[85] 2020-02-20
[86] 2018-08-08 (PCT/EP2018/071510)
[87] (WO2019/038087)
[30] EP (17382579.5) 2017-08-21

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[13] A1
[51] **Int.Cl. A63F 5/00 (2006.01)**
[25] EN
[54] **A BALL LAUNCHER AND A BALL GAMING SYSTEM INCLUDING SUCH BALL LAUNCHER**
[54] **LANCEUR DE BILLE ET SYSTEME DE JEU DE BILLE COMPRENANT LEDIT LANCEUR DE BILLE**
[72] KULHANEK, CHRISTIAN, AT
[71] NOVOMATIC AG, AT
[85] 2020-02-20
[86] 2018-08-10 (PCT/EP2018/071833)
[87] (WO2019/038111)
[30] EP (17187401.9) 2017-08-23

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[13] A1
[51] **Int.Cl. F04D 3/00 (2006.01) F04D 13/06 (2006.01) F04D 29/046 (2006.01) F04D 29/06 (2006.01) F04D 29/18 (2006.01) F04D 29/54 (2006.01)**
[25] EN
[54] **PIPE AXIAL PUMP**
[54] **POMPE AXIALE A TUYAU**
[72] KECK, BENJAMIN, DE
[71] VOITH PATENT GMBH, DE
[85] 2020-02-20
[86] 2018-08-14 (PCT/EP2018/071994)
[87] (WO2019/038130)
[30] DE (10 2017 119 241.7) 2017-08-23

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[13] A1
[51] **Int.Cl. B32B 17/10 (2006.01) H05B 3/84 (2006.01)**
[25] FR
[54] **LAMINATED GLAZING COMPRISING A TRANSPARENT SUBSTRATE WITH A HEATING LAYER HAVING ABLATION LINES EACH CLOSING ON ITSELF**
[54] **VITRAGE FEUILLETE COMPRENANT UN SUBSTRAT TRANSPARENT A COUCHE CHAUFFANTE AYANT DES LIGNES D'ABLATION SE REFERMANT CHACUNE SUR ELLE-MEME**
[72] TONDU, THOMAS, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2020-02-20
[86] 2018-09-13 (PCT/FR2018/052249)
[87] (WO2019/053381)
[30] FR (1758569) 2017-09-15

[21] **3,073,475**
[13] A1
[51] **Int.Cl. G02B 7/182 (2006.01) G02B 23/16 (2006.01)**
[25] FR
[54] **TELESCOPE HAVING IMPROVED PERFORMANCE**
[54] **TELESCOPE A PERFORMANCES AMELIOREES**
[72] HOELTZEL, CHARLOTTE, FR
[72] TACCONI, CEDRIC, FR
[72] FURUI, CHRISTOPHE, FR
[72] SEILLIER, FRANCK, FR
[72] ANNA, GUILLAUME, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-02-20
[86] 2018-08-21 (PCT/EP2018/072583)
[87] (WO2019/038298)
[30] FR (17 00868) 2017-08-22

[21] **3,073,478**
[13] A1
[51] **Int.Cl. G02B 7/182 (2006.01) G02B 23/16 (2006.01)**
[25] FR
[54] **TELESCOPE WITH SIMPLIFIED MOUNTING**
[54] **TELESCOPE A MONTAGE SIMPLIFIE**
[72] HOELTZEL, CHARLOTTE, FR
[72] TACCONI, CEDRIC, FR
[72] FURUI, CHRISTOPHE, FR
[72] SEILLIER, FRANCK, FR
[72] ANNA, GUILLAUME, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-02-20
[86] 2018-08-21 (PCT/EP2018/072585)
[87] (WO2019/038300)
[30] FR (17/00867) 2017-08-22

[21] **3,073,487**
[13] A1
[51] **Int.Cl. G02B 7/182 (2006.01) G02B 23/16 (2006.01)**
[25] FR
[54] **TELESCOPE THAT IS EASIER TO MOUNT AND METHOD FOR ADJUSTING SUCH A TELESCOPE**
[54] **TELESCOPE A MONTAGE SIMPLIFIE ET PROCEDE DE REGLAGE D'UN TEL TELESCOPE**
[72] HOELTZEL, CHARLOTTE, FR
[72] TACCONI, CEDRIC, FR
[72] FURUI, CHRISTOPHE, FR
[72] SEILLIER, FRANCK, FR
[72] ANNA, GUILLAUME, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-02-20
[86] 2018-08-21 (PCT/EP2018/072586)
[87] (WO2019/038301)
[30] FR (17/00866) 2017-08-22

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[13] A1
[51] **Int.Cl. G02B 7/182 (2006.01) G02B 23/16 (2006.01)**
[25] FR
[54] **TELESCOPE WITH IMPROVED PERFORMANCE AND SIMPLIFIED MOUNTING**
[54] **TELESCOPE A PERFORMANCE AMELIOREE ET MONTAGE SIMPLIFIE**
[72] HOELTZEL, CHARLOTTE, FR
[72] TACCONI, CEDRIC, FR
[72] FURUI, CHRISTOPHE, FR
[72] SEILLIER, FRANCK, FR
[72] ANNA, GUILLAUME, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[85] 2020-02-20
[86] 2018-08-21 (PCT/EP2018/072587)
[87] (WO2019/038302)
[30] FR (17/00869) 2017-08-22

[21] **3,073,502**
[13] A1
[51] **Int.Cl. C10G 35/095 (2006.01)**
[25] EN
[54] **PROCESSES FOR SELECTIVE NAPHTHA REFORMING**
[54] **PROCEDES DE REFORMAGE SELECTIF DU NAPHTA**
[72] WEINTROB, EDWARD C., US
[72] UPPILI, SUNDARARAJAN, US
[72] MILLER, CLARK A., US
[72] CHOUDHARY, TUSHAR V., US
[71] PHILLIPS 66 COMPANY, US
[85] 2020-02-20
[86] 2018-08-21 (PCT/US2018/047319)
[87] (WO2019/040487)
[30] US (62/549,255) 2017-08-23
[30] US (62/549,614) 2017-08-24
[30] US (16/107,010) 2018-08-21
[30] US (16/106,981) 2018-08-21

[21] **3,073,506**
[13] A1
[51] **Int.Cl. G01R 33/20 (2006.01) G01R 33/44 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR METAL IMPLANT CONTACT DETECTION THROUGH CAPACITIVE MEASUREMENTS**
[54] **PROCEDE ET APPAREIL DE DETECTION DE CONTACT D'IMPLANT METALLIQUE AU MOYEN DE MESURES CAPACITIVES**
[72] PETERSON, BRIAN, US
[71] GARWOOD MEDICAL DEVICES, LLP, US
[85] 2020-02-20
[86] 2018-08-22 (PCT/US2018/047527)
[87] (WO2019/040625)
[30] US (62/548,831) 2017-08-22
[30] US (16/107,681) 2018-08-21

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 15/113 (2010.01)**
[25] EN
[54] **ANTISENSE OLIGOMERS FOR TREATMENT OF CONDITIONS AND DISEASES**
[54] **OLIGOMERES ANTISENS POUR LE TRAITEMENT D'ETATS PATHOLOGIQUES ET AUTRES MALADIES**
[72] AZNAREZ, ISABEL, US
[72] HAN, ZHOU, US
[71] STOKE THERAPEUTICS, INC., US
[85] 2020-02-20
[86] 2018-08-24 (PCT/US2018/048031)
[87] (WO2019/040923)
[30] US (62/550,462) 2017-08-25
[30] US (62/575,901) 2017-10-23
[30] US (62/667,356) 2018-05-04
[30] US (62/671,745) 2018-05-15

[21] **3,073,523**
[13] A1
[51] **Int.Cl. H01L 41/193 (2006.01) C09K 19/38 (2006.01)**
[25] EN
[54] **DIELECTRIC LAYER COMPRISING COPOLYMER WITH MESOGENIC UNITS**
[54] **COUCHE DIELECTRIQUE COMPRENANT UN COPOLYMERE A UNITES MESOGENES**
[72] KUTCHKO, CYNTHIA, US
[72] OUNAIES, ZOUBEIDA, US
[72] ATITALLAH, HASSENE BEN, US
[72] WYCKOFF, NICHOLAS, US
[72] KUMAR, ANIL, US
[72] STALDER, ROMAIN, US
[72] WALTERS, DAVID, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-02-20
[86] 2018-08-27 (PCT/US2018/048127)
[87] (WO2019/040934)
[30] US (15/686,436) 2017-08-25

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 31/4745 (2006.01) A61K 31/513 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **[6R]-MTHF - AN EFFICIENT FOLATE ALTERNATIVE IN 5-FLUOROURACIL BASED CHEMOTHERAPY**
[54] **[6R]-MTHF - ALTERNATIVE EFFICACE AU FOLATE DANS LA CHIMIOTHERAPIE A BASE DE 5-FLUOROURACILE**
[72] LINDBERG, PER LENNART, SE
[72] SUNDEN, GUNNEL ELISABETH, SE
[72] GUSTAVSSON, BENGT, SE
[72] VEDIN, ANDERS, SE
[71] ISOFOL MEDICAL AB, SE
[85] 2020-02-21
[86] 2018-01-05 (PCT/EP2018/050273)
[87] (WO2019/037898)
[30] EP (17187684.0) 2017-08-24

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[13] A1
[51] **Int.Cl. G01B 5/14 (2006.01) F16L 55/00 (2006.01) G01B 3/30 (2006.01) G01B 3/38 (2006.01) G01M 3/00 (2006.01) G01M 13/00 (2019.01)**
[25] EN
[54] **CONNECTOR ASSEMBLY EVALUATION TOOL AND METHOD**
[54] **OUTIL ET PROCEDE D'EVALUATION D'ENSEMBLE CONNECTEUR**
[72] PHIN, DAVID SUTHERLAND, GB
[71] PARAGON INSPECTION LIMITED, GB
[85] 2020-02-20
[86] 2018-08-22 (PCT/GB2018/052380)
[87] (WO2019/038538)
[30] GB (1713556.7) 2017-08-23

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[13] A1
[51] **Int.Cl. G01P 13/00 (2006.01)**
[25] EN
[54] **DETECTING LOCATION WITHIN A NETWORK**
[54] **DETECTION DE POSITION AU SEIN D'UN RESEAU**
[72] WOOTTON, JOHN, US
[72] WOOTTON, MATTHEW, US
[72] NISSMAN, CHRIS, US
[72] PRESTON, VICTORIA, US
[72] CLARK, JONATHAN, US
[72] MCKINNEY, JUSTIN, US
[72] BARNES, CLAIRE, US
[72] XIAO, XINYU, US
[72] WANG, ZHECAN, US
[71] IVANI, LLC, US
[85] 2020-02-20
[86] 2018-08-08 (PCT/US2018/045835)
[87] (WO2019/032718)
[30] US (15/674,328) 2017-08-10
[30] US (15/674,487) 2017-08-10
[30] US (15/713,219) 2017-09-22
[30] US (15/713,309) 2017-09-22

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[13] A1
[51] **Int.Cl. H04Q 9/00 (2006.01) G06Q 50/10 (2012.01) G07C 9/00 (2020.01)**
[25] EN
[54] **BUILDING SYSTEM CONTROL UTILIZING BUILDING OCCUPANCY**
[54] **COMMANDE DE SYSTEME DE CONSTRUCTION FAISANT INTERVENIR L'OCCUPATION DE BATIMENT**
[72] WOOTTON, JOHN, US
[72] WOOTTON, MATTHEW, US
[72] MCKINNEY, JUSTIN, US
[72] RILEY, CAITLIN, US
[72] RUSH, MATTHEW, US
[72] DIESELDORFF, BORIS, US
[72] KUMAR, ACHINTYA, US
[72] NISSMAN, CHRIS, US
[71] IVANI, LLC, US
[85] 2020-02-20
[86] 2018-08-22 (PCT/US2018/047555)
[87] (WO2019/040640)
[30] US (15/686,952) 2017-08-25

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[13] A1
[51] **Int.Cl. B31D 5/00 (2017.01) B65H 16/10 (2006.01)**
[25] EN
[54] **DUNNAGE CONVERSION SYSTEM AND METHOD FOR EXPANDING EXPANDABLE SHEET MATERIAL**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE FARDAGE POUR ETENDRE UNE MATERIAU EN FEUILLE EXTENSIBLE**
[72] CHEICH, ROBERT C., US
[72] WAGNER, DENNIS J., US
[71] RANPAK CORP., US
[85] 2020-02-20
[86] 2018-08-31 (PCT/US2018/048999)
[87] (WO2019/046669)
[30] US (62/553,217) 2017-09-01

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[13] A1
[51] **Int.Cl. F17C 13/08 (2006.01)**
[25] EN
[54] **LOW PROFILE CYLINDER MOUNT**
[54] **MONTURE DE CYLINDRE A PROFIL BAS**
[72] YEGGY, BRIAN C., US
[71] HEXAGON TECHNOLOGY AS, NO
[85] 2020-02-20
[86] 2018-09-10 (PCT/US2018/050148)
[87] (WO2019/067188)
[30] US (62/564,507) 2017-09-28

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[13] A1
[51] **Int.Cl. E21B 21/06 (2006.01) B01D 3/02 (2006.01) B01D 11/04 (2006.01) C10M 175/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR A REMEDIATION PLANT**
[54] **APPAREIL ET PROCEDE POUR UNE INSTALLATION DE TRAITEMENT**
[72] FELTMAN, WENDELL, US
[72] ROONEY, PATRICK, CA
[72] SCOTT, JERRY, CA
[72] RISLEY, KEVIN, US
[72] REED, BOB, US
[72] MCNABB, DUSTY, US
[71] ASTEC, INC., US
[71] MUNICIPAL ENTERPRISES LTD., CA
[85] 2020-02-20
[86] 2019-02-06 (PCT/US2019/016825)
[87] (WO2019/157040)
[30] US (62/626,828) 2018-02-06

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) C12Q 1/68 (2018.01) G01N 27/26 (2006.01) G01N 29/24 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **NEW APPARATUS AND METHODS FOR DISEASE DETECTION**
[54] **NOUVEL APPAREIL ET PROCEDES DE DETECTION DE MALADIE**
[72] YU, CHRIS, US
[72] DU, XUEDONG, CN
[71] ANPAC BIO-MEDICAL SCIENCE CO., LTD., VG
[85] 2020-02-20
[86] 2019-04-23 (PCT/US2019/028785)
[87] (WO2019/209868)
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[30] US (62/678,846) 2018-05-31
[30] US (62/741,843) 2018-10-05
[30] US (62/776,605) 2018-12-07
[30] US (62/818,909) 2019-03-15
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[51] **Int.Cl. G02B 1/115 (2015.01) G02B 5/22 (2006.01) G02B 5/28 (2006.01) G02C 7/10 (2006.01)**
[25] EN
[54] **HIGH ENERGY VISIBLE LIGHT ABSORBING MATERIAL FOR OPHTHALMIC SUBSTRATE AND APPLICATION METHOD**
[54] **MATERIAU ABSORBANT LA LUMIERE VISIBLE A HAUTE ENERGIE POUR SUBSTRAT OPHTALMIQUE, ET PROCEDE D'APPLICATION**
[72] KESTER, NORMAN L., US
[72] HALL, NICHOLAS M., US
[72] VANDERHOFF, CHRISTOPHER P., US
[72] UNBANKES, RICHARD D., US
[71] QUANTUM INNOVATIONS, INC., US
[85] 2020-02-21
[86] 2018-03-15 (PCT/US2018/022694)
[87] (WO2019/050569)
[30] US (62/557,093) 2017-09-11
[30] US (15/832,137) 2017-12-05

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[51] **Int.Cl. B25B 11/00 (2006.01)**
[25] EN
[54] **METHOD OF SLICING A FOOD ITEM AND SLICING MECHANISM EMPLOYING A GRIPPING ELEMENT THAT GENERATES A VACUUM GRIP**
[54] **PROCEDE DE TRANCHAGE D'UN ARTICLE ALIMENTAIRE ET MECANISME DE TRANCHAGE UTILISANT UN ELEMENT DE SAISIE QUI GENERE UNE SAISIE SOUS VIDE**
[72] KING, EDWIN EARL, US
[72] WITKOWSKI, FRANK EDMUND, US
[71] COZZINI LLC, US
[85] 2020-02-21
[86] 2018-06-19 (PCT/US2018/038193)
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[30] US (62/549,759) 2017-08-24

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[51] **Int.Cl. C07K 16/24 (2006.01) A61P 15/00 (2006.01) A61P 17/04 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **TREATMENT OF GENITAL PSORIASIS**
[54] **TRAITEMENT DU PSORIASIS GENITAL**
[72] BLAKELY, MARK OREN, US
[72] BLEAKMAN, ALISON JEAN POTTS, US
[72] LEE, CHIN HYOK, US
[72] WAGNER, BRIAN EDWARD, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-21
[86] 2018-07-27 (PCT/US2018/044080)
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[30] US (62/549,321) 2017-08-23
[30] US (62/552,192) 2017-08-30
[30] US (62/555,364) 2017-09-07

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[51] **Int.Cl. B01L 3/00 (2006.01) C09D 11/50 (2014.01)**
[25] EN
[54] **THERMOCHROMIC CONTAINER FOR ELECTROMAGNETIC RADIATION PROTECTION**
[54] **RECIPIENT THERMOCHROMIQUE POUR PROTECTION CONTRE LES RAYONNEMENTS ELECTROMAGNETIQUES**
[72] MOULTON, THOMAS, US
[72] WEITZE, SCOTT, US
[71] LABCON, NORTH AMERICA, US
[85] 2020-02-21
[86] 2018-07-31 (PCT/US2018/044511)
[87] (WO2019/040237)
[30] US (15/685,223) 2017-08-24

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[51] **Int.Cl. B01D 3/14 (2006.01) B01D 3/32 (2006.01) B01J 19/30 (2006.01) B01J 19/32 (2006.01) F25J 3/04 (2006.01)**
[25] EN
[54] **ANNULAR DIVIDED WALL COLUMN FOR AN AIR SEPARATION UNIT**
[54] **COLONNE A PAROI DIVISEE ANNULAIRE POUR UNE UNITE DE SEPARATION D'AIR**
[72] SABODA, KEVIN J., US
[72] BELANGER, PAUL W., US
[72] LENZ, RICHARD D., US
[72] LARSON, KIRK F., US
[72] BROWN, STEVEN C., US
[72] RICOTTA, JOHN P., US
[72] CHEN, GUANG X., US
[72] FAUST, JEREMY D., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-02-21
[86] 2018-08-02 (PCT/US2018/044911)
[87] (WO2019/040251)
[30] US (62/550,269) 2017-08-25
[30] US (16/042,262) 2018-07-23

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[51] **Int.Cl. B01D 3/14 (2006.01) B01D 3/32 (2006.01) B01J 19/30 (2006.01) B01J 19/32 (2006.01) F25J 3/04 (2006.01)**
[25] EN
[54] **ANNULAR DIVIDED WALL COLUMN FOR AN AIR SEPARATION UNIT HAVING A RING SHAPED SUPPORT GRID**
[54] **COLONNE A PAROI DIVISEE ANNULAIRE POUR UNE UNITE DE SEPARATION D'AIR AYANT UNE GRILLE DE SUPPORT EN FORME D'ANNEAU**
[72] SABODA, KEVIN J., US
[72] BELANGER, PAUL W., US
[72] LENZ, RICHARD D., US
[72] LARSON, KIRK F., US
[72] BROWN, STEVEN C., US
[72] RICOTTA, JOHN P., US
[72] CHEN, GUANG X., US
[72] FAUST, JEREMY D., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-02-21
[86] 2018-08-02 (PCT/US2018/044913)
[87] (WO2019/040252)
[30] US (62/550,269) 2017-08-25
[30] US (16/042,307) 2018-07-23

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[51] **Int.Cl. B01D 3/14 (2006.01) B01D 3/00 (2006.01) B01D 3/32 (2006.01) B01J 19/30 (2006.01) B01J 19/32 (2006.01) F25J 3/04 (2006.01)**
[25] EN
[54] **ANNULAR DIVIDED WALL COLUMN WITH RING SHAPED COLLECTORS AND DISTRIBUTERS FOR AN AIR SEPARATION UNIT**
[54] **COLONNE A PAROI DIVISEE ANNULAIRE AVEC COLLECTEURS ET DISTRIBUTEURS EN FORME D'ANNEAU POUR UNE UNITE DE SEPARATION D'AIR**
[72] SABODA, KEVIN J., US
[72] BELANGER, PAUL W., US
[72] LENZ, RICHARD D., US
[72] LARSON, KIRK F., US
[72] BROWN, STEVEN C., US
[72] RICOTTA, JOHN P., US
[72] CHEN, GUANG X., US
[72] FAUST, JEREMY D., US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2020-02-21
[86] 2018-08-02 (PCT/US2018/044914)
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[30] US (62/550,269) 2017-08-25
[30] US (16/042,362) 2018-07-23

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[13] A1
[51] **Int.Cl. C09K 8/52 (2006.01) C09K 8/035 (2006.01) E21B 37/06 (2006.01)**
[25] EN
[54] **DOWNHOLE FLUID FOR REMOVING SCALES AND METHODS THEREOF**
[54] **FLUIDE DE FOND DE TROU POUR ELIMINER DES DEPOTS ET PROCEDES ASSOCIES**
[72] BELAKSHE, RAVIKANT S., IN
[72] MALLICK, MONALISA, IN
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-02-21
[86] 2017-12-21 (PCT/US2017/068007)
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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/24 (2006.01)**
[25] EN
[54] **DOSE DETECTION MODULE FOR A MEDICATION DELIVERY DEVICE**
[54] **MODULE DE DETECTION DE DOSE POUR DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] ANTONELLI, MATTHEW THOMAS, US
[72] BURKE, WILLIAM CHURCHILL TALIAFERRO, US
[72] BYERLY, ROY HOWARD, US
[72] PERKINS, RUSSELL WAYNE, US
[72] RITSHER, KENNETH ALAN, US
[72] SAMIA, ELIAS RAAD, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-21
[86] 2018-02-22 (PCT/US2018/019179)
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[51] **Int.Cl. A61K 38/16 (2006.01) A61K 38/22 (2006.01) A61K 47/42 (2017.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS OF DELIVERY OF PHARMACOLOGICAL AGENTS**
[54] **COMPOSITIONS ET METHODES D'ADMINISTRATION D'AGENTS PHARMACOLOGIQUES**
[72] MO, Y. JOSEPH, US
[72] YUAN, XUDONG, US
[71] NAL PHARMACEUTICAL GROUP LIMITED, CN
[71] MO, Y. JOSEPH, US
[85] 2020-02-21
[86] 2018-08-08 (PCT/US2018/045710)
[87] (WO2019/040282)
[30] US (62/550,535) 2017-08-25

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **MEDICATION DELIVERY DEVICE WITH SENSING SYSTEM**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT DOTE D'UN SYSTEME DE DETECTION**
[72] BYERLY, ROY HOWARD, US
[72] NELSEN, DANIEL JOSEPH, US
[72] PERKINS, RUSSELL WAYNE, US
[72] USCHOLD, ROBERT CHARLES, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-21
[86] 2018-08-14 (PCT/US2018/046585)
[87] (WO2019/040313)
[30] US (62/547,928) 2017-08-21
[30] US (62/676,576) 2018-05-25

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G08C 17/02 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PALLET TRACKING USING HUB AND SPOKE ARCHITECTURE**
[54] **SYSTEMES ET PROCEDES DE SUIVI DE PALETTES UTILISANT UNE ARCHITECTURE EN ETOILE**
[72] BANDIL, SANDEEP K., US
[72] SHI, JUN, US
[71] BXB DIGITAL PTY LIMITED, AU
[85] 2020-02-21
[86] 2018-08-20 (PCT/US2018/047035)
[87] (WO2019/040351)
[30] US (62/548,127) 2017-08-21

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[13] A1
[51] **Int.Cl. H04B 1/7136 (2011.01) H04B 1/7156 (2011.01) H04B 1/02 (2006.01) H04B 1/06 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING FREQUENCY HOPPING TRANSMITTER AND RECEIVER**
[54] **PROCEDE DE CONTROLE DE SAUT DE FREQUENCE, DISPOSITIF DE CONTROLE, EMETTEUR, ET RECEPTEUR**
[72] ZHANG, HAIJUN, CN
[72] XU, JUANJUAN, CN
[72] WU, SHIWEI, CN
[72] ZHANG, JIE, CN
[71] HARXON CORPORATION, CN
[85] 2020-02-21
[86] 2017-10-11 (PCT/CN2017/105617)
[87] (WO2019/037208)
[30] CN (201710725093.8) 2017-08-22

[21] **3,073,619**
[13] A1
[51] **Int.Cl. B65D 41/16 (2006.01)**
[25] EN
[54] **BOTTLE CAP CAPABLE OF BEING OPENED BY ONE PRESS**
[54] **BOUCHON DE BOUTEILLE POUVANT ETRE OUVERT PAR UNE PRESSION**
[72] LI, YUEJUN, CN
[71] CLOWN FISH SHANGHAI INDUSTRIAL CO., LTD., CN
[85] 2020-02-21
[86] 2018-08-17 (PCT/CN2018/101074)
[87] (WO2019/037663)
[30] CN (201710720300.0) 2017-08-21

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[13] A1
[51] **Int.Cl. H04N 19/625 (2014.01) H04N 19/176 (2014.01) H04N 19/61 (2014.01) H04N 19/70 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CONFIGURING TRANSFORM FOR VIDEO COMPRESSION**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE TRANSFORMEE POUR UNE COMPRESSION VIDEO**
[72] KOO, MOONMO, KR
[71] LG ELECTRONICS INC., KR
[85] 2020-02-21
[86] 2018-08-06 (PCT/KR2018/008907)
[87] (WO2019/027302)
[30] US (62/541,103) 2017-08-04

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[13] A1
[51] **Int.Cl. H04M 1/04 (2006.01) C09J 7/20 (2018.01)**
[25] EN
[54] **FINGER GRIP FOR SMART DEVICE**
[54] **AGRIPPOIR POUR TERMINAL INTELLIGENT**
[72] YOO, HYUN JOO, KR
[71] MOMOSTICK CO., LTD., KR
[85] 2020-02-21
[86] 2018-08-08 (PCT/KR2018/009023)
[87] (WO2019/066243)
[30] KR (10-2017-0124612) 2017-09-26

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[13] A1
[51] **Int.Cl. H04L 12/28 (2006.01) H04B 17/309 (2015.01) H04L 12/24 (2006.01) H04L 25/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR QUALITATIVE ANALYSIS OF BASEBAND BUILDING AUTOMATION NETWORKS**
[54] **SYSTEME ET PROCEDE D'ANALYSE QUALITATIVE DE RESEAUX IMMOTIQUES EN BANDE DE BASE**
[72] WHITE, JOE WALLACE, US
[72] CABRERA, JUAN, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2020-02-21
[86] 2017-08-24 (PCT/US2017/048427)
[87] (WO2019/040069)

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[13] A1
[51] **Int.Cl. A61K 31/195 (2006.01) A61K 39/40 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE ANTIVIRAL USE OF SYNTHETIC LYSINE ANALOGS AND MIMETICS**
[54] **METHODES ET COMPOSITIONS POUR L'UTILISATION ANTIVIRALE D'ANALOGUES ET DE MIMETIQUES SYNTHETIQUES DE LYSINE**
[72] MURDOCK, FRANK, US
[72] MURDOCK, RONNEA, US
[72] STEWART, W. PAUL, US
[71] ANTI-VIRAL TECHNOLOGIES, LLC, US
[85] 2020-02-21
[86] 2018-08-09 (PCT/US2018/046023)
[87] (WO2019/045989)
[30] US (62/550,656) 2017-08-27
[30] US (62/664,555) 2018-04-30

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[13] A1
[51] **Int.Cl. G06F 12/02 (2006.01)**
[25] EN
[54] **PERSISTENT WRITES FOR NON-VOLATILE MEMORY**
[54] **ECRITURES PERSISTANTES POUR MEMOIRE NON VOLATILE**
[72] RAMANUJAN, RAJ, US
[72] BAINS, KULJIT SINGH, US
[72] WANG, LIYONG, US
[72] QUEEN, WESLEY, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-21
[86] 2018-08-14 (PCT/US2018/046590)
[87] (WO2019/055164)
[30] US (15/706,530) 2017-09-15

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[13] A1
[51] **Int.Cl. E01F 9/623 (2016.01) E01F 15/14 (2006.01) E02D 5/60 (2006.01) E04H 12/22 (2006.01)**
[25] EN
[54] **UTILITY POLE WITH ENERGY ABSORBING LAYER**
[54] **POTEAU UTILITAIRE AVEC COUCHE D'ABSORPTION D'ENERGIE**
[72] SHI, HAIJIAN, US
[72] STEEG, RICHARD, US
[71] PEPCO HOLDINGS LLC, US
[85] 2020-02-21
[86] 2018-08-21 (PCT/US2018/047277)
[87] (WO2019/040466)
[30] US (62/550,192) 2017-08-25

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[13] A1
[51] **Int.Cl. C23C 16/44 (2006.01) C23C 16/452 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR SYNTHESIS OF CARBON NANOTUBES**
[54] **PROCEDES ET DISPOSITIFS DE SYNTHESE DE NANOTUBES DE CARBONE**
[72] NGUYEN, CATTIEN V., US
[71] NTHERMA CORPORATION, US
[85] 2020-02-21
[86] 2018-08-21 (PCT/US2018/047283)
[87] (WO2019/040468)
[30] US (62/548,942) 2017-08-22
[30] US (62/548,945) 2017-08-22
[30] US (62/548,952) 2017-08-22

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[13] A1
[51] **Int.Cl. F21V 14/02 (2006.01) F21V 21/14 (2006.01) F21V 21/30 (2006.01) F21V 23/04 (2006.01)**
[25] EN
[54] **ADJUSTABLE LIGHT STACK**
[54] **EMPILEMENT LUMINEUX AJUSTABLE**
[72] WEI, YAQUI, US
[72] ZHANG, QIAN, US
[72] LI, ZHUN, US
[71] VERDANT LIGHTING TECHNOLOGY, INC., US
[85] 2020-02-21
[86] 2018-08-21 (PCT/US2018/047376)
[87] (WO2019/040525)
[30] US (62/548,830) 2017-08-22

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[13] A1
[51] **Int.Cl. B32B 27/08 (2006.01) B32B 1/08 (2006.01) B32B 27/30 (2006.01) B32B 27/34 (2006.01) B32B 27/40 (2006.01) F16L 11/04 (2006.01)**
[25] EN
[54] **MULTI-LAYER, FLEXIBLE TUBULAR ARTICLE FOR FUEL LINE APPLICATIONS**
[54] **ARTICLE TUBULAIRE SOUPLE MULTICOUCHE POUR APPLICATIONS DE CONDUITE DE CARBURANT**
[72] MAKADIA, CHETAN M., US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2020-02-21
[86] 2018-08-22 (PCT/US2018/047412)
[87] (WO2019/040551)
[30] US (62/550,044) 2017-08-25

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **DOSE DETECTION WITH PIEZOELECTRIC SENSING FOR A MEDICATION DELIVERY DEVICE**
[54] **DETECTION DE DOSE AVEC DETECTION PIEZOELECTRIQUE POUR UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] KATUIN, JOSEPH EDWARD, US
[72] PSZENNY, SEAN MATTHEW, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-21
[86] 2018-08-22 (PCT/US2018/047442)
[87] (WO2019/046053)
[30] US (62/552,659) 2017-08-31

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[13] A1
[51] **Int.Cl. B01J 27/20 (2006.01) C02F 1/72 (2006.01) C25B 1/30 (2006.01)**
[25] EN
[54] **N- AND O-DOPED CARBON WITH HIGH SELECTIVITY FOR ELECTROCHEMICAL H2O2 PRODUCTION IN NEUTRAL CONDITION**
[54] **CARBONE DOPE N ET O AVEC SELECTIVITE ELEVEE POUR LA PRODUCTION ELECTROCHIMIQUE H2O2 DANS DES CONDITIONS NEUTRES**
[72] CHEN, GUANGXU, US
[72] LU, ZHIYI, US
[72] CUI, YI, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-02-20
[86] 2018-08-23 (PCT/US2018/047739)
[87] (WO2019/040738)
[30] US (62/549,256) 2017-08-23

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[13] A1
[51] **Int.Cl. C08F 2/00 (2006.01) C08F 210/16 (2006.01) C08L 23/08 (2006.01)**
[25] EN
[54] **BIMODAL POLYETHYLENE**
[54] **POLYETHYLENE BIMODAL**
[72] BORSE, NITIN, US
[72] BAFNA, AYUSH A., US
[72] MURE, CLIFF R., US
[72] HE, CHUAN, US
[72] LYNN, TIMOTHY R., US
[72] KUHLMAN, ROGER L., US
[72] SZUL, JOHN F., US
[71] UNIVATION TECHNOLOGIES, LLC, US
[85] 2020-02-21
[86] 2018-08-23 (PCT/US2018/047654)
[87] (WO2019/046085)
[30] US (62/550,905) 2017-08-28

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[13] A1
[51] **Int.Cl. A23L 33/195 (2016.01) A23L 31/00 (2016.01) A01G 18/64 (2018.01) A01G 18/66 (2018.01) A23J 3/20 (2006.01)**
[25] EN
[54] **EDIBLE COMPOSITION WITH FILAMENTOUS FUNGI AND BIOREACTOR SYSTEM FOR THE CULTIVATION THEREOF**
[54] **COMPOSITION COMESTIBLE A CHAMPIGNONS FILAMENTEUX ET SYSTEME DE BIOREACTEUR POUR SA CULTURE**
[72] KOZUBAL, MARK A., US
[72] MACUR, RICHARD E., US
[72] AVNIEL, YUVAL C., US
[72] HAMILTON, MAXIMILIAN DEVANE, US
[71] SUSTAINABLE BIOPRODUCTS, INC., US
[85] 2020-02-21
[86] 2018-08-29 (PCT/US2018/048626)
[87] (WO2019/046480)
[30] US (62/552,093) 2017-08-30
[30] US (62/722,074) 2018-08-23

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[13] A1
[51] **Int.Cl. C23C 16/40 (2006.01) B01J 2/00 (2006.01) B01J 8/00 (2006.01) B22F 1/02 (2006.01) C04B 41/81 (2006.01) C23C 16/44 (2006.01) C23C 16/442 (2006.01) C23C 16/455 (2006.01) C23C 16/52 (2006.01)**
[25] EN
[54] **MANUFACTURING PROCESSES TO SYNTHESIZE, FUNCTIONALIZE, SURFACE TREAT AND/OR ENCAPSULATE POWDERS, AND APPLICATIONS THEREOF**
[54] **PROCEDES DE FABRICATION POUR SYNTHETISER, FONCTIONNALISER, TRAITER ET/OU ENCAPSULER DES POUDRES, ET LEURS APPLICATIONS**
[72] KING, DAVID, US
[72] DAMERON, ARRELAINE, US
[72] TREVEY, JAMES, US
[72] LICHTY, PAUL, US
[72] ARGO, ANDREW, US
[72] BOURGOIS, KYLE, US
[72] RAGONESI, JAMES, US
[72] INGHAM, KYLE, US
[72] JACKSON, DAVID, US
[72] TRACY, RYON, US
[72] NGUYEN, NGHI, US
[72] LYON, ADAM, US
[72] VILLAGOMEZ, JOSE, US
[72] CURRY, GARRETT, US
[71] FORGE NANO, INC., US
[85] 2020-02-21
[86] 2018-08-24 (PCT/US2018/047925)
[87] (WO2019/040857)
[30] US (62/549,601) 2017-08-24
[30] US (62/672,289) 2018-05-16

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G05D 1/02 (2020.01) G06T 7/20 (2017.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR AGRICULTURAL DATA COLLECTION AND AGRICULTURAL OPERATIONS**
[54] **APPAREIL ET PROCEDE DE COLLECTE DE DONNEES AGRICOLES ET OPERATIONS AGRICOLES**
[72] CHOWDHARY, GIRISH, US
[72] SOMAN, CHINMAY, US
[72] KAYACAN, ERKAN, US
[72] THOMPSON, BENJAMIN, US
[72] ZHANG, ZHONGZHONG, US
[72] CHOUDHURI, ANWESA, IN
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
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[87] (WO2019/040866)
[30] US (62/550,271) 2017-08-25
[30] US (62/596,506) 2017-12-08
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[51] **Int.Cl. G06Q 50/26 (2012.01) G06Q 20/40 (2012.01)**
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[54] **METHOD AND SYSTEM FOR IDENTIFYING POTENTIAL FRAUD ACTIVITY IN A TAX RETURN PREPARATION SYSTEM TO TRIGGER AN IDENTITY VERIFICATION CHALLENGE THROUGH THE TAX RETURN PREPARATION SYSTEM**
[54] **PROCEDE ET SYSTEME POUR IDENTIFIER UNE ACTIVITE FRAUDULEUSE POTENTIELLE DANS UN SYSTEME DE PREPARATION DE DECLARATIONS FISCALES POUR DECLENCHER UN DEFI DE VERIFICATION D'IDENTITE PAR L'INTERMEDIAIRE DU SYSTEME DE PREPARATION DE DECLARATIONS FISCALES**
[72] MCEACHERN, KYLE, US
[72] RAMBO, BRENT, US
[71] INTUIT INC., US
[85] 2020-02-21
[86] 2018-08-24 (PCT/US2018/047888)
[87] (WO2019/040834)
[30] US (15/686,435) 2017-08-25

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[54] **KINASE MUTATION-ASSOCIATED NEURODEGENERATIVE DISORDERS**
[54] **TROUBLES NEURODEGENERATIFS ASSOCIES A UNE MUTATION DE KINASE**
[72] GEISSMANN, FREDERIC, US
[72] MASS, ELVIRA, US
[72] VICARIO, ROCIO, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2020-02-21
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[30] US (62/550,536) 2017-08-25

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[54] **BARBECUE GRILL**
[54] **GRILLE DE BARBECUE**
[72] PERTHOU, PETER M., US
[71] PERTHOU, PETER M., US
[85] 2020-02-21
[86] 2018-08-24 (PCT/US2018/047971)
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[54] **OCULAR PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES OCULAIRES**
[72] VERKMAN, ALAN, US
[72] LEVIN, MARC H., US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2020-02-21
[86] 2018-08-24 (PCT/US2018/048025)
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[30] US (62/549,872) 2017-08-24

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[51] **Int.Cl. A61B 5/157 (2006.01) A61B 5/1473 (2006.01)**
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[54] **PRECISION BIO-CHEMOTRONIC SYSTEM**
[54] **SYSTEME BIO-CHIMIOTRONIQUE DE PRECISION**
[72] SHTEIN, MAX, US
[72] SHALEV, OLGA, IL
[72] SHTEYN, Y. EUGENE, US
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US
[85] 2020-02-21
[86] 2018-08-24 (PCT/US2018/047994)
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[25] EN
[54] **BEDSIDE STEREOTACTIC ULTRASOUND GUIDANCE DEVICE, SYSTEM AND METHOD**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE GUIDAGE PAR ULTRASONS STEREOTACTIQUE DE CHEVET**
[72] HAZARD III, SPRAGUE W., US
[72] FELL, BARRY, US
[72] HALUCK, RANDY, US
[72] ROHATGI, PRATIK, US
[72] DILLON, PETER, US
[71] THE PENN STATE RESEARCH FOUNDATION, US
[85] 2020-02-21
[86] 2018-08-27 (PCT/US2018/048068)
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[25] EN
[54] **BULK LAYER TRANSFER PROCESSING WITH BACKSIDE SILICIDATION**
[54] **TRAITEMENT DE TRANSFERT DE COUCHE MASSIVE AVEC SILICIURATION SUR LA FACE ARRIERE**
[72] GOKTEPELI, SINAN, US
[72] IMTHURN, GEORGE PETE, US
[72] FANELLI, STEPHEN ALAN, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-21
[86] 2018-08-27 (PCT/US2018/048125)
[87] (WO2019/067129)
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[51] **Int.Cl. D01F 8/12 (2006.01) D01F 8/14 (2006.01) D06M 11/36 (2006.01)**
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[54] **METHODS AND COMPOSITIONS FOR COOLING YARNS AND FABRICS, AND ARTICLES COMPRISING SAME**
[54] **PROCEDES ET COMPOSITIONS POUR REFROIDIR DES FILS ET DES TISSUS, ET ARTICLES COMPRENANT CEUX-CI**
[72] SU, HUNG-YUAN, TW
[72] WEI, YING-PIN, TW
[71] BRRR! INC., US
[85] 2020-02-21
[86] 2018-08-30 (PCT/US2018/048901)
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[30] TW (106129771) 2017-08-31
[30] TW (106129774) 2017-08-31
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[30] CN (201711042927.1) 2017-11-01
[30] CN (201711055972.0) 2017-11-01

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[51] **Int.Cl. A23G 1/00 (2006.01) A23C 15/12 (2006.01)**
[25] EN
[54] **FOOD COMPOSITIONS CONTAINING REDUCED-FLAVOR COCOA PRODUCT AS BULK FILLER**
[54] **COMPOSITIONS ALIMENTAIRES CONTENANT UN PRODUIT DE CACAO A SAVEUR REDUITE EN TANT QUE CHARGE EN VRAC**
[72] ST. JOHN, JAMES F., US
[71] THE HERSHEY COMPANY, US
[85] 2020-02-21
[86] 2018-08-31 (PCT/US2018/049207)
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[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-LAG-3 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-LAG-3 ET LEURS UTILISATIONS**
[72] WANG, MINGHAN, US
[72] ZOU, HUI, US
[72] JIA, HAIQUN, US
[71] PHANES THERAPEUTICS, INC., US
[85] 2020-02-21
[86] 2018-08-28 (PCT/US2018/048221)
[87] (WO2019/046225)
[30] US (62/551,927) 2017-08-30
[30] US (62/588,475) 2017-11-20
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/107 (2006.01) A61K 9/127 (2006.01) A61K 31/167 (2006.01)**
[25] EN
[54] **SUSTAINED-RELEASE ANESTHETIC COMPOSITIONS AND METHODS OF PREPARATION THEREOF**
[54] **COMPOSITIONS ANESTHESIQUES A LIBERATION PROLONGEE ET LEURS PROCEDES DE PREPARATION**
[72] HONG, KEELUNG, US
[72] KAO, HAO-WEN, TW
[72] LIN, YI-YU, TW
[72] GUO, LUKE S. S., US
[71] TLC BIOPHARMACEUTICALS, INC., US
[71] TAIWAN LIPOSOME CO. LTD., TW
[85] 2020-02-21
[86] 2018-08-28 (PCT/US2018/048329)
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[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUS FOR AUTOMATIC RF POWER TRANSMISSION AND SINGLE ANTENNA ENERGY HARVESTING**
[54] **PROCEDES, SYSTEMES ET APPAREIL POUR UNE TRANSMISSION DE PUISSANCE RF AUTOMATIQUE ET UNE RECUPERATION D'ENERGIE D'ANTENNE UNIQUE**
[72] GREENE, CHARLES E., US
[72] BIEL, ERIC JAMES, US
[71] POWERCAST CORPORATION, US
[85] 2020-02-21
[86] 2018-09-04 (PCT/US2018/049392)
[87] (WO2019/046855)
[30] US (62/553,628) 2017-09-01

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[51] **Int.Cl. A61K 31/00 (2006.01) C12N 15/113 (2010.01)**
[25] EN
[54] **METHODS FOR TREATING MUSCULAR DYSTROPHY**
[54] **METHODES PERMETTANT DE TRAITER LA DYSTROPHIE MUSCULAIRE**
[72] KAYE, EDWARD M., US
[71] SAREPTA THERAPEUTICS, INC., US
[85] 2020-02-21
[86] 2018-08-31 (PCT/US2018/049151)
[87] (WO2019/046755)
[30] US (62/553,094) 2017-08-31
[30] US (62/565,824) 2017-09-29
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[51] **Int.Cl. A61M 25/00 (2006.01) A61M 25/01 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **SPHINCTEROTOME DEVICE AND METHODS AND USES THEREOF**
[54] **DISPOSITIF DE TYPE SPHINCTEROTOME ET METHODES ET UTILISATIONS ASSOCIEES**
[72] KACHAAMY, TOUFIC, US
[71] INTERNATIONAL PRIVATE BANK LLC, US
[85] 2020-02-21
[86] 2018-08-31 (PCT/US2018/049240)
[87] (WO2019/046802)
[30] US (62/553,726) 2017-09-01

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[13] A1
[51] **Int.Cl. B01D 63/02 (2006.01)**
[25] EN
[54] **FILTRATION SYSTEMS AND METHODS FOR MANUFACTURING BIOLOGICALLY-PRODUCED PRODUCTS**
[54] **SYSTEMES DE FILTRATION ET PROCEDES DE FABRICATION DE PRODUITS BIOLOGIQUEMENT PRODUITS**
[72] LOVE, J. CHRISTOPHER, US
[72] MASCARENHAS, CRAIG A., US
[72] BRAATZ, RICHARD DEAN, US
[72] ENSHEN LU, AMOS, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2020-02-21
[86] 2018-08-31 (PCT/US2018/049281)
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[13] A1
[51] **Int.Cl. G01J 1/42 (2006.01) G02B 5/02 (2006.01) G06N 3/08 (2006.01)**
[25] EN
[54] **SYSTEM AND DEVICES FOR MEASURING LIGHT SOURCES AND METHODS OF USE THEREOF**
[54] **SYSTEMES ET DISPOSITIFS DE MESURE DE SOURCES DE LUMIERE ET LEURS PROCEDES D'UTILISATION**
[72] LEBLANC, DEREK, CA
[72] FELIX, CHRIS, CA
[71] BLUELIGHT ANALYTICS, INC., CA
[85] 2020-02-24
[86] 2018-08-27 (PCT/CA2018/051028)
[87] (WO2019/036817)
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[13] A1
[51] **Int.Cl. E21B 49/08 (2006.01) E21B 21/08 (2006.01)**
[25] EN
[54] **A DRILLING MUD MANAGEMENT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE GESTION DE BOUE DE FORAGE**
[72] HAVENGA, FRANS CHRISTIAAN, AU
[72] BURNHAM, STORM KYLE, ZA
[72] WILSON, SHAUN DAVID, AU
[71] AUSTRALIAN MUD COMPANY PTY LTD, AU
[85] 2020-02-24
[86] 2018-09-10 (PCT/AU2018/050974)
[87] (WO2019/046904)
[30] AU (2017903659) 2017-09-08

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[51] **Int.Cl. G09G 5/393 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMIC MONITOR MANAGEMENT**
[54] **SYSTEMES ET PROCEDES DE GESTION DYNAMIQUE DE MONITEUR**
[72] BOEHMER, DONALD, CA
[71] PRINTPAK INTERNATIONAL INC., CA
[85] 2020-02-24
[86] 2018-08-24 (PCT/CA2018/051022)
[87] (WO2019/036813)
[30] US (62/550,257) 2017-08-25

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[51] **Int.Cl. B65D 47/34 (2006.01) B05B 7/26 (2006.01)**
[25] EN
[54] **DUAL COMPARTMENT CONTAINER ADAPTER**
[54] **ADAPTATEUR DE RECIPIENT A DEUX COMPARTIMENTS**
[72] LEA, PETER, CA
[72] BACIK, BRIAN, CA
[72] HASTIE, JEFF, CA
[72] SUJAR, LADI, CA
[72] PETROVIC, RASHO, CA
[71] SIAMONS INTERNATIONAL INC., CA
[85] 2020-02-24
[86] 2018-08-29 (PCT/CA2018/000159)
[87] (WO2019/041021)
[30] CA (2,977,635) 2017-08-30

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[51] **Int.Cl. G01N 1/28 (2006.01)**
[25] EN
[54] **WASTE EVACUATION APPARATUS FOR AN AUTOMATED SPECIMEN PREPARATION SYSTEM**
[54] **APPAREIL D'EVACUATION DE DECHETS POUR UN SYSTEME DE PREPARATION DE SPECIMENS AUTOMATISE**
[72] JENOSKI, RAYMOND, US
[72] GRIMES, ERIC, US
[71] HOLOGIC, INC., US
[85] 2020-02-21
[86] 2018-08-29 (PCT/US2018/048495)
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[51] **Int.Cl. A61K 31/704 (2006.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61K 31/4184 (2006.01) A61K 33/24 (2019.01) A61K 39/00 (2006.01) A61K 39/02 (2006.01) A61K 39/12 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ALDOXORUBICIN COMBINATION TREATMENTS AND METHODS**
[54] **METHODES ET POLYTHERAPIES A BASE D'ALDOXORUBICINE**
[72] SOON-SHIONG, PATRICK, US
[72] LEE, JOHN H., US
[72] RABIZADEH, SHAHROOZ, US
[72] NIAZI, KAYVAN, US
[71] NANTCELL, INC., US
[85] 2020-02-21
[86] 2018-09-05 (PCT/US2018/049518)
[87] (WO2019/050926)
[30] US (62/554,742) 2017-09-06

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[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE BLOWOUT PREVENTER AND METHODS OF USE**
[54] **BLOC D'OBTURATION DE PUITS REGLABLE ET SES PROCEDES D'UTILISATION**
[72] MCADAM, DAVID, CA
[72] MCADAM, BRIAN, CA
[72] ORR, JAMES, CA
[71] DRECO ENERGY SERVICES ULC, CA
[85] 2020-02-24
[86] 2018-09-25 (PCT/CA2018/000179)
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[30] US (62/562,727) 2017-09-25

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) C12N 5/0783 (2010.01) C12Q 1/6813 (2018.01) C12Q 1/6827 (2018.01) A61P 35/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **TP53 AS BIOMARKER FOR RESPONSIVENESS TO IMMUNOTHERAPY**
[54] **GENE TP53 UTILISE EN TANT QUE BIOMARQUEUR POUR LA REACTIVITE A UNE IMMUNOTHERAPIE**
[72] WECHSLER-REYA, ROBERT, US
[72] GARANCHER, ALEXANDRA, US
[72] WARE, CARL, US
[71] SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE, US
[85] 2020-02-21
[86] 2018-08-30 (PCT/US2018/048916)
[87] (WO2019/046619)
[30] US (62/552,221) 2017-08-30
[30] US (62/702,802) 2018-07-24

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[51] **Int.Cl. H01Q 1/38 (2006.01) H01Q 3/24 (2006.01)**
[25] EN
[54] **A MULTI-STATE CONTROL OF LIQUID CRYSTALS**
[54] **COMMANDE A ETATS MULTIPLES DE CRISTAUX LIQUIDES**
[72] HAZIZA, DEDI DAVID, IL
[71] WAFER LLC, US
[85] 2020-02-21
[86] 2018-08-30 (PCT/US2018/048974)
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[13] A1
[51] **Int.Cl. A61M 25/01 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **INTRODUCTION DEVICE INCLUDING AN ELECTROACTIVE TIP ON A GUIDEWIRE**
[54] **DISPOSITIF D'INTRODUCTION COMPRENANT UNE POINTE ELECTROACTIVE SUR UN FIL-GUIDE**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] PALMRE, VILJAR, US
[72] SHIM, YOUNGHEE, US
[72] PATEL, BHAVIK, US
[71] THE BOARD OF REGENTS OF THE UNVIVERSITY OF TEXAS SYSTEM, US
[71] XCATH, INC., US
[85] 2020-02-21
[86] 2019-04-25 (PCT/US2019/029196)
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[30] US (62/664,753) 2018-04-30

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[13] A1
[51] **Int.Cl. C12M 1/00 (2006.01) C12M 1/34 (2006.01) C12M 1/36 (2006.01) C12N 1/00 (2006.01) C12N 15/00 (2006.01) C12Q 1/00 (2006.01) G01N 37/00 (2006.01) G09B 19/00 (2006.01)**
[25] EN
[54] **PERSONAL LABORATORY FOR GENETIC ENGINEERING, CULTURING AND ANALYSIS OF MICROORGANISMS AND BIOCHEMICALS**
[54] **LABORATOIRE PERSONNEL POUR GENIE GENETIQUE, CULTURE ET ANALYSE DE MICROORGANISMES ET DE PRODUITS BIOCHIMIQUES**
[72] PAHARA, JUSTIN, CA
[72] LEGAULT, JULIE, CA
[71] AMINO LABS NORTH INCORPORATED, CA
[85] 2020-01-22
[86] 2018-07-17 (PCT/IB2018/000953)
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[30] US (62/533,318) 2017-07-17

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[51] **Int.Cl. A61K 31/401 (2006.01) A61K 35/57 (2015.01) A61K 31/4172 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING/TREATING METABOLIC SYNDROME**
[54] **COMPOSITIONS ET METHODES DE PREVENTION/TRAITEMENT DU SYNDROME METABOLIQUE**
[72] LYNCH, STEPHANIE, US
[72] CAPPOZZO, JACK C., US
[72] DAKE, ROGER L., US
[71] INTERNATIONAL DEHYDRATED FOODS, INC., US
[85] 2020-02-21
[86] 2018-09-28 (PCT/US2018/053437)
[87] (WO2019/067908)
[30] US (62/564,406) 2017-09-28

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[13] A1
[51] **Int.Cl. G06F 21/71 (2013.01) G06F 21/44 (2013.01) H04L 9/08 (2006.01)**
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[54] **SECURE FIRMWARE INTERFACE**
[54] **INTERFACE DE MICROLOGICIEL SECURISEE**
[72] KHORUZHENKO, EUGENE, CA
[72] GARDNER, PHILIP B, CA
[71] ABSOLUTE SOFTWARE CORPORATION, CA
[85] 2020-02-18
[86] 2018-09-04 (PCT/CA2018/051064)
[87] (WO2019/046933)
[30] US (62/554,811) 2017-09-06

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[13] A1
[51] **Int.Cl. G01S 13/66 (2006.01) G01S 7/41 (2006.01) G01S 13/02 (2006.01) G01S 13/04 (2006.01) G01S 13/72 (2006.01)**
[25] EN
[54] **RANDOMIZED PHASE AND AMPLITUDE RADAR CODES FOR SPACE OBJECT TRACKING**
[54] **CODES RADAR DE PHASE ET D'AMPLITUDE RANDOMISEES PERMETTANT LE SUIVI D'UN OBJET SPATIAL**
[72] NICOLLS, MICHAEL, US
[71] LEOLABS, INC., US
[85] 2020-02-21
[86] 2018-10-15 (PCT/US2018/055812)
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[30] US (15/787,475) 2017-10-18

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[13] A1
[51] **Int.Cl. G01N 30/62 (2006.01) C10L 1/00 (2006.01) G01N 30/02 (2006.01) G01N 30/68 (2006.01) G01N 30/74 (2006.01) G01N 30/88 (2006.01)**
[25] EN
[54] **MARKER COMPOSITIONS WITH NITROGEN COMPOUNDS, AND METHODS FOR MAKING AND USING SAME**
[54] **COMPOSITIONS DE MARQUEUR A COMPOSES D'AZOTE, ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] HINTON, MICHAEL P., US
[72] FREDERICO, JUSTIN J., US
[71] UNITED COLOR MANUFACTURING INC., US
[85] 2020-02-21
[86] 2018-08-23 (PCT/US2018/047713)
[87] (WO2019/040726)
[30] US (62/549,087) 2017-08-23

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/071 (2010.01) C12N 5/078 (2010.01) C12N 5/0783 (2010.01) A61P 37/02 (2006.01) C07F 9/6553 (2006.01) C12N 5/10 (2006.01)**
[25] EN
[54] **ENHANCING CD8+ T CELLS FOR ADOPTIVE CELL THERAPY BY INHIBITING PTPN1 (PTP1B) AND PTPN2 (TC-PTP)**
[54] **AMELIORATION DE LYMPHOCYTES T CD8+ POUR UNE THERAPIE CELLULAIRE ADOPTIVE PAR INHIBITION DE PTPN1 (PTP1B) ET PTPN2 (TC-PTP))**
[72] TREMBLAY, MICHEL L., CA
[72] PIKE, KELLY-ANNE, CA
[72] QUINTERO, ALBERTO PEREZ, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT, CA
[85] 2020-02-24
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[87] (WO2019/036815)
[30] US (62/549,735) 2017-08-24

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[13] A1
[51] **Int.Cl. B23K 9/09 (2006.01) B23K 9/10 (2006.01) B23K 9/173 (2006.01)**
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[54] **SYSTEMS, METHODS, AND APPARATUS TO PREHEAT WELDING WIRE**
[54] **SYSTEMES, PROCEDES ET APPAREIL POUR PRECHAUFFER UN FIL DE SOUDAGE**
[72] ZWAYER, JAKE, US
[72] UECKER, JAMES LEE, US
[72] SCHARTNER, QUINN WILLIAM, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-02-21
[86] 2018-09-24 (PCT/US2018/052384)
[87] (WO2019/067346)
[30] US (15/720,121) 2017-09-29

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[51] **Int.Cl. G06Q 50/06 (2012.01) G01D 4/00 (2006.01) G06Q 30/00 (2012.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **VOICE-ACTIVATED ENERGY MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'ENERGIE A ACTIVATION VOCALE**
[72] TORPY, KEITH MARIO, AU
[72] TURNER, JAMES RANDALL, US
[72] DECKER, DAVID, US
[72] CARDOZO, RUBEN E. SALAZAR, US
[71] LANDIS+GYR INNOVATIONS, INC., US
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[30] US (62/554,734) 2017-09-06

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[13] A1
[51] **Int.Cl. G01F 23/66 (2006.01) G01F 1/64 (2006.01) G01F 23/22 (2006.01) H01M 2/36 (2006.01) H01M 10/48 (2006.01)**
[25] EN
[54] **BATTERY ELECTROLYTE LEVEL MONITOR, SYSTEM, AND METHOD**
[54] **MONITEUR, SYSTEME ET PROCEDE DE SURVEILLANCE DE NIVEAU D'ELECTROLYTE DE BATTERIE**
[72] FOX, JASON L., US
[72] BONNAH, HARRIE W., II, US
[72] PAUL, LUKE J., US
[72] SHINEW, MATTHEW T., US
[71] FLOW-RITE CONTROLS, LTD., US
[85] 2020-02-21
[86] 2018-11-28 (PCT/US2018/062842)
[87] (WO2019/125712)
[30] US (15/852,920) 2017-12-22

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[51] **Int.Cl. A23L 29/00 (2016.01) A23L 33/00 (2016.01) A61K 9/00 (2006.01) A61K 38/46 (2006.01) A61M 5/142 (2006.01) C12N 9/20 (2006.01) C12N 9/26 (2006.01) C12N 9/50 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR THE PREPARATION OF A NUTRITIONAL FORMULA**
[54] **DISPOSITIFS ET PROCEDES POUR PREPARER UNE FORMULE NUTRITIONNELLE**
[72] FIRST, ERIC, US
[72] BROWN, DAVID, US
[72] STONE, ALBERT ARCHIE, US
[71] ALCRESTA THERAPEUTICS, INC., US
[85] 2020-02-21
[86] 2018-09-07 (PCT/US2018/049843)
[87] (WO2019/051156)
[30] US (62/556,700) 2017-09-11
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[30] US (16/123,712) 2018-09-06

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[25] EN
[54] **COMPOUNDS, PHARMACEUTICAL COMPOSITIONS AND USE THEREOF AS INHIBITORS OF RAN GTPASE**
[54] **COMPOSES, COMPOSITIONS PHARMACEUTIQUES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE LA RAN GTPASE**
[72] WU, JIAN HUI, CA
[72] BATIST, GERALD, CA
[72] TIAN, XIAOHONG, CN
[72] LI, XIAOLONG, CN
[72] MES-MASSON, ANNE-MARIE, CA
[72] PROVENCHER, DIANE, CA
[72] CARMONA, EURIDICE, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT, CA
[71] VAL-CHUM, LIMITED PARTNERSHIP, CA
[85] 2020-02-24
[86] 2018-08-30 (PCT/CA2018/051045)
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[30] US (62/554,150) 2017-09-05

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[25] EN
[54] **ADAPTATION OF HOLLOW-FIBER-BASED CELL CULTURE TECHNOLOGY FOR THE MANUFACTURING OF NEO-ISLETS OR EXOSOMES FROM STEM CELLS**
[54] **ADAPTATION DE LA TECHNOLOGIE DE LA CULTURE CELLULAIRE A FIBRES CREUSES POUR LA PREPARATION DE NEO-ILOTS OU EXOSOMES A PARTIR DE CELLULES SOUCHES**
[72] WESTENFELDER, CHRISTOF, US
[72] GOOCH, ANNA L., US
[71] SYMBIOCELLTECH, LLC, US
[85] 2020-02-21
[86] 2018-09-07 (PCT/US2018/049950)
[87] (WO2019/051225)
[30] US (62/556,888) 2017-09-11

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[13] A1
[51] **Int.Cl. E05B 47/06 (2006.01) E05B 47/00 (2006.01) G07C 9/00 (2020.01)**
[25] EN
[54] **ELECTRONIC ACCESS CONTROL STRIKE AND PRELOAD RESISTANT MODULE**
[54] **GACHE DE CONTROLE D'ACCES ELECTRONIQUE ET MODULE RESISTANT A LA PRECHARGE**
[72] SINGH, MANDEEP, CA
[71] DORMAKABA CANADA INC., CA
[85] 2020-02-24
[86] 2018-09-13 (PCT/CA2018/051131)
[87] (WO2019/051594)
[30] US (62/558,434) 2017-09-14

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[13] A1
[51] **Int.Cl. H02M 1/10 (2006.01) B60Q 3/47 (2017.01) H02M 1/14 (2006.01) H02M 7/04 (2006.01) H05K 1/14 (2006.01) H05K 1/18 (2006.01)**
[25] EN
[54] **UNIVERSAL AC AND DC INPUT MODULAR INTERCONNECTABLE PRINTED CIRCUIT BOARD FOR POWER DISTRIBUTION MANAGEMENT TO LIGHT EMITTING DIODES**
[54] **CARTE DE CIRCUIT IMPRIME INTERCONNECTABLE MODULAIRE D'ENTREE CA ET CC UNIVERSELLE POUR LA GESTION DE LA DISTRIBUTION DE PUISSANCE A DES DIODES ELECTROLUMINESCENTES**
[72] AUBERT, ANDREW CLARK BAIRD, CA
[71] 2449049 ONTARIO INC., CA
[85] 2020-02-24
[86] 2018-09-10 (PCT/CA2018/051112)
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[30] US (62/556,694) 2017-09-11

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[13] A1
[51] **Int.Cl. C07D 417/12 (2006.01) A61K 47/64 (2017.01) A61K 47/68 (2017.01) A61K 45/06 (2006.01) C07D 277/56 (2006.01) C07H 15/26 (2006.01) C07K 5/117 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF TUBULYSINS AND INTERMEDIATES THEREOF**
[54] **PROCEDE DE PREPARATION DE TUBULYSINES ET D'INTERMEDIAIRES DE CELLES-CI**
[72] WU, KUN-LIANG, US
[72] JIN, QINGWU, US
[72] DOUBLEDAY, WENDEL, US
[71] SEATTLE GENETICS, INC., US
[85] 2020-02-21
[86] 2018-09-07 (PCT/US2018/050095)
[87] (WO2019/051322)

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[25] EN
[54] **POLYETHYLENE COMPOSITION WITH TREEING RETARDANTS**
[54] **COMPOSITION DE POLYETHYLENE AVEC DES RETARDATEURS D'ARBORESCENCE**
[72] HE, CHAO, CN
[72] SUN, YABIN, CN
[72] COGEN, JEFFREY M., US
[72] PERSON, TIMOTHY J., US
[72] CHEN, HONGYU, CN
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-02-24
[86] 2017-08-29 (PCT/CN2017/099376)
[87] (WO2019/041113)

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[13] A1
[51] **Int.Cl. A47K 10/36 (2006.01)**
[25] EN
[54] **MECHANISM, ASSEMBLY AND SHEET MATERIAL DISPENSER FOR MANUALLY ACTUATING ROTATION OF A ROLLER**
[54] **MECANISME, ENSEMBLE ET DISTRIBUTEUR DE MATERIAU EN FEUILLE POUR ACTIONNER MANUELLEMENT LA ROTATION D'UN ROULEAU**
[72] ELLIOTT, ADAM TROY, US
[72] HENSON, MARK W., US
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2020-02-24
[86] 2017-09-15 (PCT/EP2017/073350)
[87] (WO2019/052662)

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[51] **Int.Cl. C12N 7/00 (2006.01) A61K 35/768 (2015.01) A61K 31/711 (2006.01) A61P 35/00 (2006.01) C12N 7/01 (2006.01)**
[25] EN
[54] **AN ECHOVIRUS FOR TREATMENT OF TUMORS**
[54] **ECHOVIRUS POUR LE TRAITEMENT DE TUMEUR**
[72] CHENG, TONG, CN
[72] WANG, WEI, CN
[72] WAN, JUNKAI, CN
[72] XU, LONGFA, CN
[72] YE, XIANGZHONG, CN
[72] ZHANG, JUN, CN
[72] XIA, NINGSHAO, CN
[71] YANG SHENG TANG COMPANY, LTD., CN
[71] XIAMEN UNIVERSITY, CN
[85] 2020-02-24
[86] 2018-08-15 (PCT/CN2018/100708)
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[13] A1
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[25] EN
[54] **COMPOSITIONS CONTAINING NATURAL PRODUCTS AND USE THEREOF FOR SKIN AND HAIR**
[54] **COMPOSITIONS CONTENANT DES PRODUITS NATURELS ET LEUR UTILISATION POUR LA PEAU ET LES CHEVEUX**
[72] SEIBERG, MIRI, US
[72] LAHANAS, KONSTANTINOS M., US
[71] SEIBERG CONSULTING, LLC, US
[85] 2020-02-21
[86] 2018-09-10 (PCT/US2018/050149)
[87] (WO2019/055328)
[30] US (62/560,056) 2017-09-18
[30] US (15/913,870) 2018-03-06

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[13] A1
[51] **Int.Cl. B29B 7/00 (2006.01) B29B 7/72 (2006.01) B29C 31/06 (2006.01) B29C 31/10 (2006.01) G05D 11/13 (2006.01) B29B 7/74 (2006.01) C08G 59/50 (2006.01)**
[25] EN
[54] **MULTI-COMPONENT MIXING AND METERING EQUIPMENT WITH ONLINE STOICHIOMETRY CONTROL**
[54] **EQUIPEMENT DE MELANGE ET DE DOSAGE A PLUSIEURS COMPOSANTS AVEC COMMANDE DE ST□CHIOMETRIE EN LIGNE**
[72] EWALD, DIRK, BE
[72] TIHAYA, ANNA, BE
[72] HASSON, TAREQ, BE
[72] MEGGER, NICOLE, BE
[72] EICHHOLZ, SVEN, BE
[72] MAZURCZYK, ISABELLA, BE
[71] HEXION INC., US
[85] 2020-02-24
[86] 2018-08-30 (PCT/EP2018/000423)
[87] (WO2019/042583)
[30] EP (17075017.8) 2017-09-01

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[51] **Int.Cl. C01B 33/20 (2006.01) A61K 8/19 (2006.01) A61Q 11/00 (2006.01) C01B 33/12 (2006.01) C01B 33/18 (2006.01) C01B 33/193 (2006.01)**
[25] EN
[54] **SPHERICAL SILICA FOR TUBULE OCCLUSION**
[54] **SILICE SPHERIQUE POUR OCCLUSION DE TUBULES**
[72] CORNELIUS, JOHN M., US
[72] HAGAR, WILLIAM J., US
[72] GALLIS, KARL W., US
[72] NASSIVERA, TERRY W., US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-02-24
[86] 2018-08-24 (PCT/EP2018/072875)
[87] (WO2019/042887)
[30] US (62/550,725) 2017-08-28

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[13] A1
[51] **Int.Cl. C08B 31/00 (2006.01) C08F 251/00 (2006.01) C08J 3/12 (2006.01) C09K 8/514 (2006.01) C09K 8/516 (2006.01)**
[25] EN
[54] **STARCH-CONTAINING MICROSPHERE AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF**
[54] **MICROSPHERE CONTENANT DE L'AMIDON ET PROCEDE DE PREPARATION S'Y RAPPORTANT ET SON APPLICATION**
[72] YANG, CHAO, CN
[72] WANG, CHEN, CN
[72] YIN, ZEQUN, CN
[72] LIU, QUANJIE, CN
[71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[71] DALIAN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC COR, CN
[85] 2020-02-24
[86] 2018-08-22 (PCT/CN2018/101771)
[87] (WO2019/037743)
[30] CN (201710720850.2) 2017-08-22
[30] CN (201710720863.X) 2017-08-22
[30] CN (201710720851.7) 2017-08-22
[30] CN (201710720844.7) 2017-08-22
[30] CN (201710720864.4) 2017-08-22
[30] CN (201710720862.5) 2017-08-22

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[13] A1
[51] **Int.Cl. C08J 9/16 (2006.01) C08J 9/04 (2006.01) C08J 9/18 (2006.01) C08J 9/232 (2006.01)**
[25] EN
[54] **PEI PARTICLE FOAMS FOR APPLICATIONS IN AVIATION INTERIORS**
[54] **MOUSSES A BASE DE PARTICULES DE PEI DESTINEES A DES UTILISATIONS A L'INTERIEUR D'AVIONS**
[72] TRASSL, CHRISTIAN, DE
[72] HOLLEYN, DENIS, DE
[72] BERNHARD, KAY, US
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-02-24
[86] 2018-08-20 (PCT/EP2018/072392)
[87] (WO2019/038213)
[30] EP (17187663.4) 2017-08-24

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[13] A1
[51] **Int.Cl. C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **PLANTS WITH MODIFIED LIPID METABOLISM AND METHODS FOR MAKING THE SAME**
[54] **PLANTES PRESENTANT UN METABOLISME LIPIDIQUE MODIFIE ET PROCEDES DE FABRICATION DE CELLES-CI**
[72] BATOKO, HENRI, BE
[72] MOREAU, PATRICK, FR
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
[71] UNIVERSITE DE BORDEAUX, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2020-02-24
[86] 2018-08-24 (PCT/EP2018/072878)
[87] (WO2019/038422)
[30] EP (17290107.6) 2017-08-25

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[13] A1
[51] **Int.Cl. B32B 37/00 (2006.01) B32B 37/08 (2006.01) B32B 37/06 (2006.01)**
[25] EN
[54] **DEVICE FOR LAMINATING A SUBSTRATE WITH A THERMOPLASTIC COATING MATERIAL**
[54] **DISPOSITIF POUR CONTRE-COLLER UN MATERIAU DE REVETEMENT THERMOPLASTIQUE SUR UN SUBSTRAT**
[72] GIERLINGS, MICHAEL, DE
[72] KLOMFASS, THORSTEN-DERRICK, DE
[71] KLOMFASS GIERLINGS & PARTNER GBR, DE
[85] 2020-02-24
[86] 2018-08-22 (PCT/EP2018/072604)
[87] (WO2019/038311)
[30] DE (10 2017 119 576.9) 2017-08-25

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[13] A1
[51] **Int.Cl. C07D 251/18 (2006.01) A61K 31/53 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 403/12 (2006.01) C07D 405/12 (2006.01) C07D 417/12 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **CYCLOOLEFIN SUBSTITUTED HETEROAROMATIC COMPOUNDS AND THEIR USE**
[54] **COMPOSES HETEROAROMATIQUES SUBSTITUES PAR DES CYCLOOLEFINES ET LEUR UTILISATION**
[72] SU, WEI-GUO, CN
[72] DAI, GUANGXIU, CN
[72] XIAO, KUN, CN
[71] HUTCHISON MEDIPHARMA LIMITED, CN
[85] 2020-02-24
[86] 2018-09-07 (PCT/CN2018/104531)
[87] (WO2019/047909)
[30] CN (201710801364.3) 2017-09-07

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[13] A1
[51] **Int.Cl. B32B 27/18 (2006.01) C09J 7/24 (2018.01) B32B 27/30 (2006.01) G09F 3/00 (2006.01) G09F 3/10 (2006.01)**
[25] EN
[54] **BRITTLE ACRYLIC FILMS AND FORGERY PREVENTION LABELS COMPRISING THE SAME**
[54] **FILMS ACRYLIQUES FRAGILES ET ETIQUETTES DE PREVENTION DE FALSIFICATION LES COMPRENANT**
[72] SEYOUM, GHIRMAY, DE
[72] PARUSEL, MARKUS, DE
[72] BIRTH, DETLEF, DE
[72] PACHMANN, JURGEN, DE
[72] DICKHAUT, GUNTHER, DE
[72] MUSCI, GIROLAMO, DE
[72] GUENANTEN, CLAUDE, DE
[72] RODRIGUES, HAROLDO, DE
[71] ROHM GMBH, DE
[85] 2020-02-24
[86] 2018-08-22 (PCT/EP2018/072616)
[87] (WO2019/042831)
[30] EP (17188466.1) 2017-08-30

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[13] A1
[51] **Int.Cl. H04W 24/10 (2009.01)**
[25] EN
[54] **TECHNIQUES FOR BEAM MANAGEMENT IN WIRELESS COMMUNICATIONS**
[54] **TECHNIQUES DE GESTION DE FAISCEAUX DANS DES COMMUNICATIONS SANS FIL**
[72] CHENG, PENG, US
[72] KITAZOE, MASATO, US
[72] LUO, TAO, US
[72] KUBOTA, KEIICHI, JP
[72] NAGARAJA, SUMEETH, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-24
[86] 2018-09-13 (PCT/CN2018/105478)
[87] (WO2019/062552)
[30] CN (PCT/CN2017/104257) 2017-09-29

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[51] **Int.Cl. G16H 20/30 (2018.01) A63B 24/00 (2006.01) A63B 71/06 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING ACOUSTIC FEEDBACK DURING A PHYSICAL EXERCISE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE RETROACTION ACOUSTIQUE PENDANT UN EXERCICE PHYSIQUE**
[72] FRITZ, THOMAS, DE
[72] BUSCH, ERIC, DE
[72] BORCHARDT, SILVIO, DE
[72] GUMMEL, DIRK, DE
[71] MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN E.V., DE
[85] 2020-02-24
[86] 2018-08-27 (PCT/EP2018/073016)
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[51] **Int.Cl. C08F 20/18 (2006.01) C08F 2/26 (2006.01) C10L 10/16 (2006.01) C10M 145/14 (2006.01)**
[25] EN
[54] **AQUEOUS POLYMER DISPERSIONS, A METHOD FOR THEIR PREPARATION AND THE USE THEREOF AS POUR-POINT DEPRESSANTS FOR CRUDE OIL, PETROLEUM, AND PETROLEUM PRODUCTS**
[54] **DISPERSIONS AQUEUSES DE POLYMERES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION EN TANT QU'AMELIORANTS DE POINT D'ECOULEMENT POUR PETROLE BRUT, PETROLE ET PRODUITS PETROLIERS**
[72] PIRRUNG, FRANK, DE
[72] BOHRES, EDWARD, DE
[72] JACKSON, JENNIFER ANNE, US
[71] BASF CORPORATION, US
[71] BASF SE, DE
[85] 2020-02-24
[86] 2018-09-10 (PCT/EP2018/074268)
[87] (WO2019/048663)
[30] EP (17190394.1) 2017-09-11

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RATE MATCHING FOR NEW RADIO (NR) PHYSICAL DOWNLINK SHARED CHANNEL (PDSCH) AND PHYSICAL UPLINK SHARED CHANNEL (PUSCH)**
[54] **ADAPTATION DE DEBIT POUR CANAL PHYSIQUE PARTAGE DESCENDANT (PDSCH) ET CANAL PHYSIQUE PARTAGE MONTANT (PUSCH) NOUVELLE RADIO (NR)**
[72] WU, LIANGMING, US
[72] ZHANG, YU, US
[72] HAO, CHENXI, US
[72] WEI, CHAO, US
[72] CHEN, WANSHI, US
[72] XU, HAO, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-24
[86] 2018-09-25 (PCT/CN2018/107403)
[87] (WO2019/062726)
[30] CN (PCT/CN2017/104081) 2017-09-28

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[13] A1
[51] **Int.Cl. B23Q 11/00 (2006.01) B23B 29/02 (2006.01) F16F 7/10 (2006.01)**
[25] EN
[54] **A TOOL BODY INCLUDING A DAMPING APPARATUS AND A MACHINING TOOL HAVING SUCH A TOOL BODY**
[54] **CORPS D'OUTIL COMPRENANT UN APPAREIL D'AMORTISSEMENT ET OUTIL D'USINAGE AYANT UN TEL CORPS D'OUTIL**
[72] OSTLING, DAN, NO
[72] JENSEN, TORMOD, NO
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
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[30] EP (17194418.4) 2017-10-02

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[51] **Int.Cl. A61K 39/12 (2006.01) A61P 31/14 (2006.01)**
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[54] **METHOD FOR THE SAFE INDUCTION OF IMMUNITY AGAINST RSV**
[54] **PROCEDE D'INDUCTION SURE DE L'IMMUNITE CONTRE LE VRS**
[72] WIDJOJOATMODJO, MYRA NOORELY, NL
[72] GODEAUX, OLIVIER, NL
[72] WILLIAMS, KRISTI LYNN, NL
[72] CALLENDRET, BENOIT C.S., NL
[72] SADOFF, JERALD, NL
[71] JANSSEN VACCINES & PREVENTION B.V., NL
[85] 2020-02-24
[86] 2018-09-13 (PCT/EP2018/074710)
[87] (WO2019/053109)
[30] US (62/558,994) 2017-09-15

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[51] **Int.Cl. C08L 67/04 (2006.01) C08J 3/22 (2006.01) C12N 9/20 (2006.01) C12N 9/50 (2006.01)**
[25] EN
[54] **BIODEGRADABLE POLYESTER ARTICLE COMPRISING ENZYMES**
[54] **ARTICLE EN POLYESTER BIODEGRADABLE COMPRENANT DES ENZYMES**
[72] DALIBEY, MEDIHA, FR
[72] ARNAULT, CLEMENTINE, FR
[72] AUCLAIR, NADIA, FR
[71] CARBIOLICE, FR
[85] 2020-02-24
[86] 2018-08-31 (PCT/EP2018/073416)
[87] (WO2019/043134)
[30] EP (17188781.3) 2017-08-31

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[51] **Int.Cl. A24F 47/00 (2020.01)**
[25] EN
[54] **VAPOUR PROVISION SYSTEMS**
[54] **SYSTEMES DE FOURNITURE DE VAPEUR**
[72] ANGELL, TERRY LEE, GB
[72] SIMPSON, ALEX, GB
[71] NICOVENTURES HOLDINGS LIMITED, GB
[85] 2020-02-24
[86] 2018-08-17 (PCT/GB2018/052343)
[87] (WO2019/038521)
[30] GB (1713681.3) 2017-08-25

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[51] **Int.Cl. C07D 417/12 (2006.01) A61K 31/542 (2006.01) A61K 31/549 (2006.01) A61P 35/00 (2006.01) C07D 285/24 (2006.01) C07D 417/14 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **FUSED [1,2,4]THIADIAZINE DERIVATIVES WHICH ACT AS KAT INHIBITORS OF THE MYST FAMILY**
[54] **DERIVES DE [1,2,4]THIADIAZINE FUSIONNES AGISSANT EN TANT QU'INHIBITEURS DE KAT DE LA FAMILLE DES MYST**
[72] MORROW, BENJAMIN JOSEPH, AU
[72] FOITZIK, RICHARD CHARLES, AU
[72] CAMERINO, MICHELLE ANG, AU
[72] LAGIAKOS, HELEN RACHEL, AU
[72] WALKER, SCOTT RAYMOND, AU
[72] BOZIKIS, YLVA ELISABET BERGMAN, AU
[72] STEVENSON, GRAEME IRVINE, AU
[72] CUZZUPE, ANTHONY NICHOLAS, AU
[72] STUPPLE, PAUL ANTHONY, AU
[71] CTXT PTY LIMITED, AU
[85] 2020-02-24
[86] 2018-08-31 (PCT/EP2018/073431)
[87] (WO2019/043139)
[30] GB (1713962.7) 2017-08-31

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[51] **Int.Cl. D03D 1/00 (2006.01) D03D 11/00 (2006.01) D03D 15/00 (2006.01) D03D 25/00 (2006.01)**
[25] FR
[54] **WOVEN FIBROUS STRUCTURE FOR FORMING A CASING PREFORM**
[54] **TEXTURE FIBREUSE TISSEE POUR LA FORMATION D'UNE PREFORME DE CARTER**
[72] LE HONG, SON, FR
[72] COUPE, DOMINIQUE MARIE CHRISTIAN, FR
[72] GABILLON, MARTIN, FR
[72] GRELIN, HERVE, FR
[72] MAHIEU, JEAN-NOEL, FR
[72] MOUSILLAT, SYLVAIN, FR
[72] MORTIER, ROLAND JOSE YANN, FR
[72] RAYMOND, FREDERIC, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
[85] 2020-02-24
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[87] (WO2019/043333)
[30] FR (1757977) 2017-08-30

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[25] EN
[54] **END CAP PRODUCT**
[54] **PRODUIT DE CAPUCHON D'EXTREMITE**
[72] NUTKINS, KEVIN STEPHEN, GB
[71] K-KAPS INTERNATIONAL LTD, GB
[85] 2020-02-24
[86] 2018-09-03 (PCT/GB2018/052483)
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[30] GB (1714182.1) 2017-09-05

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[51] **Int.Cl. A61K 47/61 (2017.01) A61K 47/54 (2017.01) A61P 29/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS CONTAINING HYALURONIC ACID AND CARNOSINE AND RELATIVE USE**
[54] **COMPOSITIONS PHARMACEUTIQUES CONTENANT DE L'ACIDE HYALURONIQUE ET DE LA CARNOSINE ET UTILISATION ASSOCIEE**
[72] SCHIAVINATO, ANTONELLA, IT
[72] GRECO, VALENTINA, IT
[72] MESSINA, LUCIANO, IT
[72] VACCARO, SUSANNA, IT
[72] RIZZARELLI, ENRICO, IT
[72] SCIUTO, SEBASTIANO, IT
[71] FIDIA FARMACEUTICI S.P.A., IT
[85] 2020-02-24
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[51] **Int.Cl. B60W 30/045 (2012.01) B60W 30/18 (2012.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CONTROLLING TRAVEL OF DRIVE-ASSISTED VEHICLE**
[54] **PROCEDE ET APPAREIL PERMETTANT DE COMMANDER LE DEPLACEMENT D'UN VEHICULE AVEC ASSISTANCE A LA CONDUITE**
[72] AKAMATSU, YUTA, JP
[72] KOBAYASHI, MASAHIRO, JP
[72] TAIRA, YASUHISA, JP
[72] FUKATA, OSAMU, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-02-24
[86] 2017-08-24 (PCT/JP2017/030256)
[87] (WO2019/038872)

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[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 31/05 (2006.01) A61K 36/185 (2006.01) A61K 47/30 (2006.01) A61L 15/44 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)**
[25] EN
[54] **TRANSDERMAL FORMULATIONS SUITABLE FOR ADMINISTRATION OF NATURAL PRODUCTS COMPRISING PLANT FLOUR AND AN ADHESIVE**
[54] **FORMULATIONS TRANSDERMIQUES APPROPRIEES POUR L'ADMINISTRATION DE PRODUITS NATURELS COMPRENANT DE LA FARINE VEGETALE ET UN ADHESIF**
[72] BENDER, ROBERT, CA
[71] ZEPHYRIOUS HEALTH, INC., CA
[71] BENDER, ROBERT, CA
[85] 2020-02-24
[86] 2018-08-24 (PCT/IB2018/056467)
[87] (WO2019/038739)
[30] US (62/549,455) 2017-08-24

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[13] A1
[51] **Int.Cl. H04M 11/00 (2006.01) B65G 61/00 (2006.01) H04Q 9/00 (2006.01)**
[25] EN
[54] **TRANSPORTATION MANAGEMENT SYSTEM FOR RAILWAY TRANSPORTATION OF LNG TANK CONTAINERS AND TRANSPORTATION MANAGEMENT DEVICE**
[54] **SYSTEME DE GESTION DE TRANSPORT POUR LE TRANSPORT FERROVIAIRE DE CONTENEURS-CITERNES DE GNL ET DISPOSITIF DE GESTION DE TRANSPORT**
[72] YUKI, MOMOYO, JP
[72] TAKAHASHI, AKIHISA, JP
[72] TOYOSAKI, MASAO, JP
[72] TSUJI, TAKEHITO, JP
[72] OZAKI, MAKOTO, JP
[71] JAPAN PETROLEUM EXPLORATION CO., LTD., JP
[85] 2020-02-24
[86] 2017-08-31 (PCT/JP2017/031358)
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[51] **Int.Cl. A61K 31/18 (2006.01) C07C 311/19 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR AMELIORATING PAIN**
[54] **COMPOSITIONS ET METHODES POUR SOULAGER LA DOULEUR**
[72] BAZAN, NICOLAS, US
[72] BAZAN, HERNAN, US
[72] GOMEZ, JULIO ALVAREZ-BUILLA, ES
[72] PAUL, DENNIS, US
[72] GARCIA, CAROLINA BURGOS, ES
[71] THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAAND MECHANICAL COLLEGE, US
[71] UNIVERSITY OF ALCALA DE HENARES, ES
[85] 2020-02-24
[86] 2018-03-12 (PCT/US2018/022029)
[87] (WO2019/040122)
[30] US (62/550,137) 2017-08-25

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[51] **Int.Cl. C07C 229/10 (2006.01) A61K 31/14 (2006.01) A61K 31/164 (2006.01) A61K 31/221 (2006.01) A61K 31/23 (2006.01) A61K 31/231 (2006.01) A61K 31/232 (2006.01) A61P 9/10 (2006.01) C07C 69/22 (2006.01) C07C 69/52 (2006.01) C07C 211/63 (2006.01) C07C 229/12 (2006.01) C07C 229/30 (2006.01) C07C 233/20 (2006.01) C07C 233/34 (2006.01) C07C 233/45 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING ATHEROSCLEROTIC CARDIOVASCULAR DISEASE**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT D'UNE MALADIE CARDIOVASCULAIRE ATHEROSCLEREUSE**
[72] VAYA, JACOB, IL
[72] KHATIB, SOLIMAN, IL
[72] KVITNITSKY, EMMA, IL
[71] GAVISH-GALILEE BIO APPLICATIONS LTD., IL
[85] 2020-02-24
[86] 2018-08-22 (PCT/IL2018/050924)
[87] (WO2019/038764)
[30] US (62/549,058) 2017-08-23
[30] US (62/621,261) 2018-01-24

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[13] A1
[51] **Int.Cl. G02B 6/30 (2006.01) G02B 6/122 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SELF-ALIGNMENT CONNECTION OF OPTICAL FIBER TO WAVEGUIDE OF PHOTONIC INTEGRATED CIRCUIT**
[54] **PROCEDE ET APPAREIL DE CONNEXION A ALIGNEMENT AUTOMATIQUE DE FIBRE A UN GUIDE D'ONDES DE CIRCUIT INTEGRE PHOTONIQUE**
[72] WANG, LIMING, US
[72] KITS VAN HEYNINGEN, MARTIN A., US
[71] KVH INDUSTRIES, INC., US
[85] 2020-02-21
[86] 2018-09-13 (PCT/US2018/050896)
[87] (WO2019/055663)
[30] US (62/559,307) 2017-09-15

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[13] A1
[51] **Int.Cl. A61K 31/352 (2006.01) A23L 33/11 (2016.01) A61P 21/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **KAEMPFEROL ANALOG-CONTAINING COMPOSITION**
[54] **COMPOSITION CONTENANT UN ANALOGUE DE KAEMPFEROL**
[72] IKEDA, YASUTAKA, JP
[72] MIZOKAMI, TSUBASA, JP
[72] ABIRU, YASUHIRO, JP
[72] AKIYAMA, MINORU, JP
[72] OYAMA, AYUKO, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2020-02-24
[86] 2018-08-30 (PCT/JP2018/032104)
[87] (WO2019/044964)
[30] JP (PCT/JP2017/031214) 2017-08-30

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[51] **Int.Cl. B01J 20/10 (2006.01) B01J 3/00 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **ADSORBENT FOR ANIONIC SUBSTANCES, PRODUCTION METHOD FOR ADSORBENT FOR ANIONIC SUBSTANCES, PRODUCTION DEVICE FOR ADSORBENT FOR ANIONIC SUBSTANCES, AND RECOVERING METHOD FOR ANIONICSUBSTANCES**
[54] **ADSORBANT POUR SUBSTANCES ANIONIQUES, PROCEDE DE PRODUCTION D'ADSORBANT POUR SUBSTANCES ANIONIQUES, DISPOSITIF DE PRODUCTION D'ADSORBANT POUR SUBSTANCES ANIONIQUES ET PROCEDE DE RECUPERATION DE SUBSTANCES ANIONIQUES**
[72] MIYAZAKI, HIROSHI, JP
[72] FUJINO, AKIRA, JP
[71] JFR CO., LTD., JP
[85] 2020-02-24
[86] 2018-07-23 (PCT/JP2018/027477)
[87] (WO2019/039164)
[30] JP (2017-161168) 2017-08-24
[30] JP (2018-117466) 2018-06-20

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[51] **Int.Cl. C07K 7/02 (2006.01) A61K 38/00 (2006.01) C07K 7/06 (2006.01)**
[25] EN
[54] **OPIOID AGONIST PEPTIDES AND USES THEREOF**
[54] **PEPTIDES D'AGONISTE OPIOIDE ET LEURS UTILISATIONS**
[72] ANANDAN, SAMPATH KUMAR, US
[72] ZHANG, JIE, AU
[72] BHANDARI, ASHOK, US
[72] BOURNE, GREGORY THOMAS, AU
[72] FREDERICK, BRIAN TROY, US
[72] MATTHEAKIS, LARRY C., US
[72] LIU, DAVID, US
[72] MEHROTRA, MUKUND M., US
[71] PROTAGONIST THERAPEUTICS, INC., US
[85] 2020-02-21
[86] 2018-09-11 (PCT/US2018/050480)
[87] (WO2019/051494)
[30] US (62/556,900) 2017-09-11
[30] US (62/663,660) 2018-04-27

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[13] A1
[51] **Int.Cl. A63F 13/352 (2014.01) A63F 13/69 (2014.01) A63F 13/822 (2014.01) A63F 13/837 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR USING MULTIPLE RETURN TO PLAYER (RTP) PAYOUT SCHEDULES IN REGULATED CASINO GAMES**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES POUR UTILISER PLUSIEURS PROGRAMMES DE PAIEMENT DE RETOUR AU JOUEURS (RTP) DANS DES JEUX DE CASINO REGLEMENTES**
[72] OBERBERGER, MICHAEL, US
[71] SYNERGY BLUE, LLC, US
[85] 2020-02-24
[86] 2018-07-12 (PCT/US2018/041763)
[87] (WO2019/067064)
[30] US (15/719,342) 2017-09-28

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[13] A1
[51] **Int.Cl. F28F 9/22 (2006.01) F28D 7/06 (2006.01) F28D 7/16 (2006.01)**
[25] EN
[54] **CONTINUOUS HELICAL BAFFLE HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR A DEFLECTEUR HELICOIDAL CONTINU**
[72] DINAUER, ETHAN, US
[72] TATAVARTHY, SATYA, US
[72] ZHANG, SANHONG, US
[72] BOEHMER, SCOTT, US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
[85] 2020-02-24
[86] 2018-08-28 (PCT/US2018/048264)
[87] (WO2019/046246)
[30] US (62/550,969) 2017-08-28

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[13] A1
[51] **Int.Cl. H04L 12/10 (2006.01) H04L 12/40 (2006.01)**
[25] EN
[54] **DIGITAL COMMUNICATION SYSTEM AND A METHOD OF TRANSFERRING POWER AND DATA BETWEEN CIRCUITS OF THE SYSTEM**
[54] **SYSTEME DE COMMUNICATION NUMERIQUE ET PROCEDE DE TRANSFERT DE PUISSANCE ET DE DONNEES ENTRE DES CIRCUITS DU SYSTEME**
[72] SAES, MARC, NL
[71] ELDOLAB HOLDING B.V., NL
[85] 2020-02-24
[86] 2018-08-29 (PCT/NL2018/050557)
[87] (WO2019/045562)
[30] NL (2019474) 2017-09-01

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[13] A1
[51] **Int.Cl. C07D 333/00 (2006.01) A61K 31/165 (2006.01) A61P 17/06 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **NOVEL THIOPHENE COMPOUNDS, PROCESS FOR SYNTHESIS AND USE THEREOF**
[54] **NOUVEAUX COMPOSES DE THIOPHENE, PROCEDE DE SYNTHESE ET D'UTILISATION DE CEUX-CI**
[72] KOMIRISHETTY, KASHINATH, IN
[72] VERMA, MAHESH, KUMAR, IN
[72] GANJU, PARUL, IN
[72] PRASAD, SUDHANAND, IN
[71] AHAMMUNE BIOSCIENCES PRIVATE LIMITED, IN
[85] 2020-02-24
[86] 2018-08-31 (PCT/IB2018/056677)
[87] (WO2019/043642)
[30] IN (201721030816) 2017-08-31

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[13] A1
[51] **Int.Cl. A61M 5/178 (2006.01) A61B 5/00 (2006.01) A61F 5/01 (2006.01) A61M 5/19 (2006.01) A61M 5/31 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR USE IN TREATMENT OF PLANTAR FASCIITIS AND FAT GRAFTING**
[54] **PROCEDES ET DISPOSITIFS POUR UTILISATION DANS LE TRAITEMENT DE L'APONEVROSITE PLANTAIRE ET LA GREFFE DE GRAISSE**
[72] GUSENOFF, JEFFREY A., US
[72] GUSENOFF, BETH R., US
[71] UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATN, US
[85] 2020-02-24
[86] 2018-08-28 (PCT/US2018/048278)
[87] (WO2019/046256)
[30] US (62/550,966) 2017-08-28

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[13] A1
[51] **Int.Cl. A61K 35/17 (2015.01) A61K 39/00 (2006.01) C12Q 1/68 (2018.01) G01N 33/68 (2006.01)**
[25] EN
[54] **NEOANTIGEN IDENTIFICATION FOR T-CELL THERAPY**
[54] **IDENTIFICATION DE NEOANTIGENE POUR UNE THERAPIE PAR LYMPHOCYTES T**
[72] YELENSKY, ROMAN, US
[72] BULIK-SULLIVAN, BRENDAN, US
[72] BUSBY, JENNIFER, US
[72] DAVIS, MATTHEW JOSEPH, US
[72] YOUNG, LAUREN ELIZABETH, US
[72] FRANCIS, JOSHUA MICHAEL, US
[72] PALMER, CHRISTINE, US
[72] SKOBERNE, MOJCA, US
[71] GRITSTONE ONCOLOGY, INC., US
[85] 2020-02-24
[86] 2018-09-05 (PCT/US2018/049614)
[87] (WO2019/050994)
[30] US (62/554,286) 2017-09-05
[30] US (62/579,734) 2017-10-31
[30] US (62/644,191) 2018-03-16
[30] US (62/703,197) 2018-07-25

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[13] A1
[51] **Int.Cl. E04C 5/03 (2006.01)**
[25] EN
[54] **REINFORCEMENT WIRE HAVING SPIRAL PROFILE**
[54] **FIL METALLIQUE D'ARMATURE A PROFIL EN SPIRALE**
[72] ZARETSKY, LEV MARKOVICH, RU
[72] KHARITONOV, VENIAMIN ALEKSANDROVICH, RU
[71] OBSCHESTVO S OGRANICHENNOI OTVETSTVENNOSTYU "ARMASTIL", RU
[85] 2020-02-24
[86] 2018-03-01 (PCT/RU2018/000113)
[87] (WO2019/045595)
[30] RU (2017131190) 2017-09-04

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[13] A1
[51] **Int.Cl. C07C 309/73 (2006.01) B41M 5/333 (2006.01) C07C 303/30 (2006.01)**
[25] EN
[54] **N,N'-DIARYLUREA DERIVATIVE, MANUFACTURING METHOD THEREOF, AND THERMOSENSITIVE RECORDING MATERIAL USING SAME**
[54] **DERIVE DE N,N'-DIARYLUREE, SON PROCEDE DE FABRICATION, ET MATERIAU D'ENREGISTREMENT THERMOSENSIBLE L'UTILISANT**
[72] KINISHI, RYOICHI, JP
[72] ISHIBASHI, YOSHIMI, JP
[71] SANKO CO., LTD., JP
[85] 2020-02-24
[86] 2018-08-10 (PCT/JP2018/030081)
[87] (WO2019/044462)

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[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/352 (2006.01) A61K 31/353 (2006.01)**
[25] EN
[54] **METHOD AND COMPOSITION FOR PREVENTING AND TREATING VIRAL INFECTIONS**
[54] **METHODE ET COMPOSITION DESTINEES A PREVENIR ET A TRAITER DES INFECTIONS VIRALES**
[72] THOMPSON, DARYL, US
[71] GLOBAL BIOLIFE INC., US
[85] 2020-02-24
[86] 2017-08-28 (PCT/US2017/048892)
[87] (WO2019/045677)

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[13] A1
[51] **Int.Cl. C12Q 1/60 (2006.01) C12Q 1/26 (2006.01) C12Q 1/44 (2006.01) G01N 33/92 (2006.01)**
[25] EN
[54] **METHOD FOR MEASURING CHOLESTEROL IN LOW-DENSITY LIPOPROTEIN, MEASUREMENT REAGENT, AND MEASUREMENT KIT**
[54] **METHODE DE MESURE DU CHOLESTEROL DANS UNE LIPOPROTEINE DE FAIBLE DENSITE, REACTIF DE MESURE ET KIT DE MESURE**
[72] MIURA, MIZUKI, JP
[72] ARATAKE, TOMOKO, JP
[72] KINJO, KENTA, JP
[71] HITACHI CHEMICAL DIAGNOSTICS SYSTEMS CO., LTD., JP
[85] 2020-02-24
[86] 2018-08-30 (PCT/JP2018/032117)
[87] (WO2019/044973)
[30] JP (2017-168235) 2017-09-01

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[13] A1
[51] **Int.Cl. C04B 40/06 (2006.01) B65D 65/46 (2006.01)**
[25] EN
[54] **DECORATIVE PRODUCT INCLUDING SOLUBLE PACKAGED BLEACH FOR INHIBITING SPOILAGE**
[54] **PRODUIT DECORATIF COMPRENANT UN AGENT DE BLANCHIMENT ENCAPSULE SOLUBLE POUR INHIBER LA DEGRADATION**
[72] EMAMI, SAMAR, US
[72] GRUSSING, JEFFREY F., US
[72] BERNICKE-GRUSSING, NANCY L., US
[72] IMMORDINO, SALVATORE C., US
[72] KAINI, NABIN, US
[72] DONOVAN, ALEXANDER J., US
[71] UNITED STATES GYPSUM COMPANY, US
[85] 2020-02-24
[86] 2018-08-28 (PCT/US2018/048325)
[87] (WO2019/046290)
[30] US (62/551,606) 2017-08-29
[30] US (16/050,351) 2018-07-31

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[51] **Int.Cl. E21B 33/064 (2006.01) E21B 33/06 (2006.01) E21B 34/16 (2006.01)**
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[54] **SYSTEMES ET PROCEDES D'ACTIONNEMENT DE DISPOSITIFS A ACTIONNEMENT HYDRAULIQUE**
[72] LEACH, ANDREW, KY
[72] BOIKE, MATTHEW, KY
[71] TRANSOCEAN INNOVATION LABS LTD, KY
[85] 2020-02-24
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[54] **BREATHER DEVICE, AND SNOW REMOVAL MACHINE WITH BREATHER DEVICE**
[54] **DISPOSITIF DE RENIFLARD, ET MACHINE DE DENEIGEMENT AVEC DISPOSITIF DE RENIFLARD**
[72] HASE, YUKI, JP
[72] MOROI, ATSUSHI, JP
[72] TAKAMINE, TAIGA, JP
[72] OKABE, KAKU, JP
[71] HONDA MOTOR CO., LTD., JP
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[54] **HIGH-EFFICIENCY LAWN MAINTENANCE TOOL AND HIGH-EFFICIENCY CUTTING BLADE**
[54] **OUTIL D'ENTRETIEN DE PELOUSE A EFFICACITE ELEVEE ET LAME DE COUPE A EFFICACITE ELEVEE**
[72] SCHAEDLER, AXEL, US
[72] BUCHANAN, PETER J. (DECEASED), US
[71] MTD PRODUCTS INC, US
[85] 2020-02-24
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[54] **WASHING MACHINE AND CONTROL METHOD THEREOF**
[54] **LAVE-LINGE ET SON PROCEDE DE REGULATION**
[72] KIM, SEUNG-HOON, KR
[72] CHOI, JUNG CHUL, KR
[72] LEE, SUNG MO, KR
[72] PARK, JUN HYUN, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2020-02-24
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[25] EN
[54] **MULTI-TIER DENSITY-AWARE LOCATION-BASED CHANNEL ASSIGNMENT AND ADAPTIVE POWER CONTROL METHOD FOR MOBILE AD-HOC NETWORKS**
[54] **PROCEDE D'AFFECTATION DE CANAUX ET DE REGULATION ADAPTATIVE DE PUISSANCE MULTINIVEAU BASE SUR LA LOCALISATION ET SENSIBLE A LA DENSITE POUR RESEAUX MOBILES AD HOC**
[72] AMOURIS, KONSTANTINOS, US
[71] AMOURIS, KONSTANTINOS, US
[85] 2020-02-24
[86] 2018-08-28 (PCT/US2018/000333)
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[54] **IDENTIFYING UNASSIGNED PASSENGERS FOR AUTONOMOUS VEHICLES**
[54] **IDENTIFICATION DE PASSAGERS NON AFFECTES POUR VEHICULES AUTONOMES**
[72] DYER, JOHN WESLEY, US
[72] TORRES, LUIS, US
[72] CHEN, YU-HSIN, US
[72] EPSTEIN, MICHAEL, US
[71] WAYMO LLC, US
[85] 2020-02-24
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[54] **AXISYMMETRIC ADJUSTABLE DEVICE FOR TREATING MITRAL REGURGITATION**
[54] **DISPOSITIF AJUSTABLE A SYMETRIE AXIALE POUR TRAITER LA REGURGITATION MITRALE**
[72] ZENG, QINGGANG, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-02-24
[86] 2018-09-06 (PCT/US2018/049672)
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[54] **PROSTHETIC SPACER DEVICE FOR HEART VALVE**
[54] **DISPOSITIF D'ESPACEMENT PROTHETIQUE POUR VALVULE CARDIAQUE**
[72] METCHIK, ASHER L., US
[72] DARABIAN, SIROUS, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **LAMP POST WITH FUNCTIONAL MODULES**
[54] **MAT D'ECLAIRAGE DOTE DE MODULES FONCTIONNELS**
[72] GIROUARD, STEPHANE, BE
[72] PLUIMERS, GUY, BE
[72] DAMOISEAU, HERVE, BE
[71] SCHREDER S.A., BE
[85] 2020-02-25
[86] 2018-08-29 (PCT/EP2018/073208)
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[54] **MULTI-PARAMETER METABOLIC VULNERABILITY INDEX EVALUATIONS**
[54] **EVALUATIONS D'INDICE DE VULNERABILITE METABOLIQUE A PARAMETRES MULTIPLES**
[72] OTVOS, JAMES D., US
[72] SHALAUROVA, IRINA Y., US
[71] LIPOSCIENCE, INC., US
[85] 2020-02-24
[86] 2018-09-07 (PCT/US2018/049951)
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[25] EN
[54] **A TRUFFLE CONFIGURED COSMETIC ARTICLE**
[54] **ARTICLE COSMETIQUE CONFIGURE EN TRUFFE**
[72] AKRIDGE, ROBB, US
[71] REA INNOVATIONS, INC., US
[85] 2020-02-24
[86] 2018-08-29 (PCT/US2018/048575)
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[54] **METHODS AND COMPOSITIONS FOR DETECTING AND TREATING ENDOMETRIOSIS**
[54] **METHODES ET COMPOSITIONS DE DETECTION ET DE TRAITEMENT DE L'ENDOMETRIOSE**
[72] BOWERMAN, HEATHER, US
[72] TAYLOR, HUGH, US
[71] DOT LABORATORIES, INC., US
[85] 2020-02-24
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[25] EN
[54] **LAMP POST WITH IMPROVED COOLING**
[54] **POTEAU DE LAMPE COMPORTANT UN REFROIDISSEMENT AMELIORE**
[72] GIROUARD, STEPHANE, BE
[72] PLUIMERS, GUY, BE
[72] DAMOISEAU, HERVE, BE
[71] SCHREDER S.A., BE
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[54] **SUBSTRATE WITH ROTATABLE STRUTS FOR MEDICAL DEVICE**
[54] **SUBSTRAT DOTE D'ENTRETOISES ROTATIVES POUR DISPOSITIF MEDICAL**
[72] GASSLER, PAUL D., US
[72] FRIEDMAN, NATHAN L., US
[72] STEINHAUS, BRUCE M., US
[72] CULLY, EDWARD H., US
[72] DUNCAN, JEFFREY B., US
[71] W. L. GORE & ASSOCIATES, INC., US
[85] 2020-02-24
[86] 2018-09-07 (PCT/US2018/049983)
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[25] EN
[54] **MULTIPLEXED BEAD ARRAYS FOR PROTEOMICS**
[54] **RESEAUX DE BILLES MULTIPLEXEES POUR PROTEOMIQUE**
[72] BERGO, VLADISLAV B., US
[71] ADEPTRIX CORP., US
[85] 2020-02-24
[86] 2018-09-07 (PCT/US2018/049995)
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[51] **Int.Cl. H01M 10/42 (2006.01) G01N 29/00 (2006.01) H01M 10/48 (2006.01)**
[25] EN
[54] **DETERMINATION OF CHARACTERISTICS OF ELECTROCHEMICAL SYSTEMS USING ACOUSTIC SIGNALS**
[54] **DETERMINATION DE CARACTERISTIQUES DE SYSTEMES ELECTROCHIMIQUES AU MOYEN DE SIGNAUX ACOUSTIQUES**
[72] STEINGART, DANIEL A., US
[72] DAVIES, GREG, US
[72] BISWAS, SHAURJO, US
[72] HSIEH, ANDREW G., US
[72] VAN TASSELL, BARRY, US
[72] HODSON, THOMAS, US
[72] DOU, SHAN, US
[71] FEASIBLE, INC., US
[71] THE TRUSTEES OF PRINCETON UNIVERSITY, US
[85] 2020-02-24
[86] 2018-08-30 (PCT/US2018/048804)
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[54] **SEQUENTIALLY DEPLOYED TRANSCATHETER MITRAL VALVE PROSTHESIS**
[54] **PROTHESE DE VALVULE MITRALE TRANSCATHETER A DEPLOIEMENT SEQUENTIEL**
[72] LANE, RANDY MATTHEW, CA
[72] NYULI, COLIN A., CA
[72] MARKO, ALEXEI J., CA
[72] NEALE, KRISTA L., CA
[71] NEOVASC TIARA INC., CA
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[54] **COMPACT AUTO-INJECTOR**
[54] **AUTO-INJECTEUR COMPACT**
[72] KAPAS, ELIJAH, US
[72] KANE, MATTHEW, US
[72] CULLINANE, CONOR, US
[71] PIROUETTE MEDICAL LLC, US
[85] 2020-02-24
[86] 2018-08-30 (PCT/US2018/048878)
[87] (WO2019/046593)
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[54] **METHODS FOR MAKING AND USING ENDOXIFEN**
[54] **PROCEDES POUR LA FABRICATION ET L'UTILISATION D'ENDOXIFENE**
[72] QUAY, STEVEN C., US
[72] SUN, YAOLIN, TW
[72] WANG, LUNGHU, TW
[72] WU, CHANGJUNG, TW
[72] HUANG, CHUANDER, TW
[71] ATOSSA THERAPEUTICS, INC., US
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[87] (WO2019/051416)
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[51] **Int.Cl. A61C 1/00 (2006.01) A61C 1/05 (2006.01)**
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[54] **DENTAL DEVICE WITH FOOT PEDAL CONTROLLER**
[54] **DISPOSITIF DENTAIRE AVEC DISPOSITIF DE COMMANDE DE PEDALE DE PIED**
[72] FAYER, JAY, US
[71] DENTSPLY SIRONA INC., US
[85] 2020-02-24
[86] 2018-09-13 (PCT/US2018/050855)
[87] (WO2019/055639)
[30] US (62/557,835) 2017-09-13

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[51] **Int.Cl. A61K 35/66 (2015.01) A61K 35/74 (2015.01) A61P 25/00 (2006.01) A61P 25/22 (2006.01)**
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[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF MICROBIOME-ASSOCIATED DISORDERS**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES ASSOCIES AU MICROBIOME**
[72] CUTCLIFFE, COLLEEN, US
[72] EID, JOHN S., US
[72] ALTMAN, TOMER, US
[72] KOLTERMAN, ORVILLE G., US
[72] BULLARD, JAMES H., US
[71] PENDULUM THERAPEUTICS, INC., US
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[51] **Int.Cl. B60T 7/20 (2006.01) B60T 8/17 (2006.01) G08G 1/00 (2006.01)**
[25] EN
[54] **BRAKING CONTROLLER AND METHOD USING VERIFICATION OF REPORTED TRAILER CAPABILITIES**
[54] **DISPOSITIF DE COMMANDE DE FREINAGE ET PROCEDE UTILISANT UNE VERIFICATION DE CAPACITES DE REMORQUE RAPPORTEES**
[72] KASPER, PHILLIP J., US
[72] TOBER, MICHAEL D., US
[72] BEYER, CLAUS, US
[72] MACNAMARA, JOSEPH M., US
[72] SASMAL, SUBASHISH, US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
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[25] EN
[54] **TETHERED PAYLOAD MOTION CONTROL AND CABLE ROBOT USING MAGNETORHEOLOGICAL ACTUATORS**
[54] **COMMANDE DE MOUVEMENT DE CHARGE UTILE ATTACHEE ET ROBOT A CABLES UTILISANT DES ACTIONNEURS MAGNETORHEOLOGIQUES**
[72] RANCOURT, DAVID, CA
[72] LUSSIER DESBIENS, ALEXIS, CA
[72] PLANTE, JEAN-SEBASTIEN, CA
[72] LAROSE, PASCAL, CA
[71] SOCIETE DE COMMERCIALISATION DES PRODUITS DE LA RECHERCHE APPLIQUEE SORA SCIENCES ET GENIE S.E.C., CA
[71] EXONETIK INC., CA
[85] 2020-02-25
[86] 2018-08-29 (PCT/CA2018/051044)
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[54] **USE OF A MINERAL WOOL PRODUCT**
[54] **UTILISATION D'UN PRODUIT EN LAINE MINERALE**
[72] ZWAAG, CLAUDIA, DK
[71] ROCKWOOL INTERNATIONAL A/S, DK
[85] 2020-02-25
[86] 2018-08-29 (PCT/EP2018/073273)
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[25] EN
[54] **IMPROVED RESORBABLE POLYMER PURIFICATION PROCESS**
[54] **PROCEDE DE PURIFICATION DE POLYMERE RESORBABLE AMELIORE**
[72] LU, JIE, US
[72] OBERMEIER, BORIS, DE
[72] ARNOLD-STANTON, REGINA, US
[72] JONES, ADOLPHUS G., US
[71] EVONIK CORPORATION, US
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[51] **Int.Cl. B32B 17/10 (2006.01)**
[25] EN
[54] **IG WINDOW UNIT INCLUDING LAMINATED SUBSTRATES FOR PREVENTING BIRD COLLISIONS**
[54] **UNITE FENETRE A VITRAGE ISOLANT COMPRENANT DES SUBSTRATS STRATIFIES PERMETTANT D'EVITER LA COLLISION AVEC DES OISEAUX**
[72] WENG, JIAN-GANG, US
[72] WANSACK, SARAH, US
[72] BRECHT, GREG, US
[72] VANDAL, ROBERT A., US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-02-24
[86] 2018-09-18 (PCT/US2018/051404)
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[30] US (62/559,684) 2017-09-18

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[51] **Int.Cl. A63F 13/352 (2014.01) A63F 13/69 (2014.01) A63F 13/822 (2014.01) A63F 13/837 (2014.01) G07F 17/32 (2006.01)**
[25] EN
[54] **METHODS, DEVICES AND SYSTEMS FOR VIRTUAL CONTRIBUTIONS AND BOUNTIES IN REGULATED CASINO GAMES**
[54] **PROCEDES, DISPOSITIFS ET SYSTEMES POUR CONTRIBUTIONS VIRTUELLES ET PRIMES DANS DES JEUX DE CASINO REGLEMENTES**
[72] OBERBERGER, MICHAEL, US
[72] LOW, MICHAEL, US
[71] SYNERGY BLUE, LLC, US
[85] 2020-02-24
[86] 2018-07-12 (PCT/US2018/041767)
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[30] US (15/719,358) 2017-09-28

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[51] **Int.Cl. C09D 5/02 (2006.01) B65D 25/14 (2006.01) C09D 151/00 (2006.01)**
[25] EN
[54] **MULTI-STAGE POLYMERIC LATEXES, COATING COMPOSITIONS CONTAINING SUCH LATEXES, AND ARTICLES COATED THEREWITH**
[54] **LATEX POLYMERES A PLUSIEURS ETAGES, COMPOSITIONS DE REVETEMENT CONTENANT DE TELS LATEX, ET ARTICLES REVETUS DE CES COMPOSITIONS**
[72] O'BRIEN, ROBERT M., US
[72] STUETELBERG, MARK, US
[72] DESOUSA, JOSEPH D., US
[72] SCANDOLARI, MARY JO, US
[72] KOCH, NIKOLAUS, US
[72] POLLIN, STEPHEN, US
[72] HUSSAIN, NUSRAH, US
[71] SWIMC LLC, US
[85] 2020-02-24
[86] 2018-08-31 (PCT/US2018/049143)
[87] (WO2019/046750)
[30] US (62/553,309) 2017-09-01
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[51] **Int.Cl. H04B 7/06 (2006.01)**
[25] EN
[54] **SINGLE PACKET ENCODED CHANNEL STATE INFORMATION (CSI) DESIGN FOR NEW RADIO (NR) MULTIPLE INPUT-MULTIPLE OUTPUT (MIMO)**
[54] **CONCEPTION D'INFORMATIONS D'ETAT DE CANAL (CSI) A CODAGE DE PAQUET UNIQUE POUR ENTREE MULTIPLE ET UNE SORTIE MULTIPLE (MIMO) DE NOUVELLE RADIO (NR)**
[72] WU, LIANGMING, US
[72] WEI, CHAO, US
[72] ZHANG, YU, US
[72] HAO, CHENXI, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-25
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[51] **Int.Cl. G06Q 50/30 (2012.01) G06Q 50/10 (2012.01)**
[25] EN
[54] **ARRANGING STOP LOCATIONS FOR AUTONOMOUS VEHICLES**
[54] **AGENCEMENT D'EMPLACEMENTS D'ARRET POUR DES VEHICULES AUTONOMES**
[72] PANDIT, SALIL, US
[72] PATEL, NIRMAL, US
[72] GUNEY, TACETTIN DOGACAN, US
[72] RAWLINGS, KEVIN, US
[72] FEENSTRA, LAURENS ANDREAS, US
[71] WAYMO LLC, US
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[51] **Int.Cl. C12N 15/55 (2006.01) C12N 15/113 (2010.01) A61K 38/43 (2006.01) C12N 9/00 (2006.01) C12N 9/22 (2006.01) C12N 15/00 (2006.01) C12N 15/09 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **SYSTEMS, METHODS, AND COMPOSITIONS FOR TARGETED NUCLEIC ACID EDITING**
[54] **SYSTEMES, PROCEDES ET COMPOSITIONS POUR L'EDITION CIBLEE D'ACIDES NUCLEIQUES**
[72] ZHANG, FENG, US
[72] GOOTENBERG, JONATHAN, US
[72] COX, DAVID BENJAMIN TURITZ, US
[72] ABUDAYYEH, OMAR, US
[72] KANNAN, SOUMYA, US
[71] THE BROAD INSTITUTE, INC., US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2020-02-24
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[30] US (62/561,669) 2017-09-21

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[51] **Int.Cl. A44B 19/24 (2006.01) A44B 19/26 (2006.01) A44B 19/34 (2006.01)**
[25] FR
[54] **ZIPPER DEVICE COMPRISING AN ELECTRICALLY CONDUCTIVE SLIDER**
[54] **DISPOSITIF A FERMETURE A GLISSIERE COMPRENANT UN CURSEUR ELECTRIQUEMENT CONDUCTEUR**
[72] TOURRETTE, PHILIPPE, FR
[72] FAUCHER, ALEXANDRE, FR
[71] GENIUS OBJECTS, FR
[85] 2020-02-25
[86] 2017-09-04 (PCT/FR2017/052336)
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[25] EN
[54] **SHOPPING TROLLEY THAT CAN BE NESTED WITH IDENTICAL TROLLEYS**
[54] **CHARIOT DE SUPERMARCHE EMPILABLE AVEC DES CHARIOTS DE SUPERMRACHE IDENTIQUES**
[72] EBERLEIN, MARTIN, DE
[71] EBERLEIN, MARTIN, DE
[85] 2020-02-25
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[25] EN
[54] **CATIONIC LIPID COMPOSITIONS FOR TISSUE-SPECIFIC DELIVERY**
[54] **COMPOSITIONS LIPIDIQUES CATIONIQUES POUR ADMINISTRATION SPECIFIQUE A UN TISSU**
[72] MISHRA, SHIKHA, US
[72] DE MOLLERAT DU JEU, XAVIER, US
[71] LIFE TECHNOLOGIES CORPORATION, US
[85] 2020-02-24
[86] 2018-07-17 (PCT/US2018/042555)
[87] (WO2019/045897)
[30] US (62/552,783) 2017-08-31

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[25] EN
[54] **WEIGHTED TRANSACTION CARD**
[54] **CARTE DE TRANSACTION PONDEREE**
[72] MOSTELLER, BARRY, US
[71] CPI CARD GROUP - COLORADO, INC., US
[85] 2020-02-24
[86] 2018-07-24 (PCT/US2018/043545)
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[30] US (15/687,197) 2017-08-25

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[54] **ELECTRIC DRIVE PUMP FOR WELL STIMULATION**
[54] **POMPE A COMMANDE ELECTRIQUE POUR STIMULATION DE PUITS**
[72] BUCKLEY, CHRIS, US
[71] ST9 GAS AND OIL, LLC, US
[85] 2020-02-24
[86] 2018-09-25 (PCT/US2018/052755)
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[30] US (62/562,943) 2017-09-25
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[25] EN
[54] **HIGH SOLIDS EDGE COATINGS FOR BUILDING PANELS**
[54] **REVETEMENTS DE BORD A HAUTE TENEUR EN MATIERES SOLIDES POUR PANNEAUX DE CONSTRUCTION**
[72] HUGHES, JOHN E,, US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2020-02-24
[86] 2018-08-28 (PCT/US2018/048217)
[87] (WO2019/046222)
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[54] **HEAVY DUTY ADAPTER**
[54] **ADAPTATEUR A HAUTE RESISTANCE**
[72] BALAN, MIHAI M., US
[72] SERRURIER, DOUGLAS C., US
[72] WORTH, DAVID, US
[71] CATERPILLAR INC., US
[85] 2020-02-24
[86] 2018-07-25 (PCT/US2018/043596)
[87] (WO2019/045911)
[30] US (15/690,423) 2017-08-30

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[51] **Int.Cl. H04N 5/655 (2006.01) F16M 11/04 (2006.01) F16M 11/06 (2006.01)**
[25] EN
[54] **DISPLAY APPARATUS**
[54] **APPAREIL D'AFFICHAGE**
[72] CHOI, DAE SU, KR
[72] PARK, CHUL SOON, KR
[72] IN, WOO SUNG, KR
[72] JUNG, HYUN JUN, KR
[72] HAN, JONG HEE, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2020-02-24
[86] 2018-08-31 (PCT/KR2018/010116)
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[30] KR (10-2017-0111498) 2017-08-31

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[51] **Int.Cl. H02J 50/00 (2016.01) H02J 7/00 (2006.01) H02J 7/02 (2016.01)**
[25] EN
[54] **INDUCTIVE POWER TRANSFER PAD**
[54] **PLOT DE TRANSFERT DE PUISSANCE PAR INDUCTION**
[72] WECHSLER, SIMON, DE
[72] GUNT, ROMAN, DE
[71] BOMBARDIER PRIMOVE GMBH, DE
[85] 2020-02-25
[86] 2018-08-16 (PCT/EP2018/072242)
[87] (WO2019/038183)
[30] GB (1713676.3) 2017-08-25

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[51] **Int.Cl. H04L 9/32 (2006.01)**
[25] EN
[54] **TERMINAL IDENTITY PROTECTION METHOD IN A COMMUNICATION SYSTEM**
[54] **PROCEDE DE PROTECTION D'IDENTITE DE TERMINAL DANS UN SYSTEME DE COMMUNICATION**
[72] BECK, ANDREW, AU
[72] MCKILLIAM, ROBERT GEORGE, AU
[71] MYRIOTA PTY LTD, AU
[85] 2020-02-25
[86] 2018-08-28 (PCT/AU2018/000150)
[87] (WO2019/040963)
[30] AU (2017903469) 2017-08-28

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[51] **Int.Cl. H04B 17/373 (2015.01) H04W 16/18 (2009.01) H04W 52/24 (2009.01) H04B 17/24 (2015.01) H04B 17/318 (2015.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREDICTION OF COMMUNICATIONS LINK QUALITY**
[54] **SYSTEME ET PROCEDE DE PREVISION DE LA QUALITE DE LIAISON DE COMMUNICATION**
[72] HALEY, DAVID VICTOR LAWRIE, AU
[72] GRANT, ALEXANDER JAMES, AU
[72] MCKILLIAM, ROBERT GEORGE, AU
[72] POLLOK, ANDRE, AU
[71] MYRIOTA PTY LTD, AU
[85] 2020-02-25
[86] 2018-08-28 (PCT/AU2018/000151)
[87] (WO2019/040964)
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[51] **Int.Cl. C25B 9/08 (2006.01) C02F 1/467 (2006.01) C25B 1/26 (2006.01) C25B 15/08 (2006.01)**
[25] EN
[54] **DEVICE FOR OBTAINING ELECTROLYSIS PRODUCTS FROM AN ALKALI METAL CHLORIDE SOLUTION**
[54] **DISPOSITIF POUR L'OBTENTION DES PRODUITS DE L'ELECTROLYSE D'UNE SOLUTION DE CHLORURE DE METAL ALCALIN**
[72] BAKHIR, VITOLD, RU
[71] BLUE SAFETY GMBH, DE
[85] 2020-02-25
[86] 2018-08-24 (PCT/EP2018/072925)
[87] (WO2019/038440)
[30] DE (10 2017 119 566.1) 2017-08-25

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[51] **Int.Cl. A61G 11/00 (2006.01)**
[25] EN
[54] **DEVICES AND SYSTEMS FOR TRANSPORTING INFANTS**
[54] **DISPOSITIFS ET SYSTEMES POUR TRANSPORTER DES NOURRISSONS**
[72] SCOTT, JANE, US
[72] FITCH, CAMERON, US
[71] TORTLE PRODUCTS LLC, US
[85] 2020-02-21
[86] 2018-08-21 (PCT/US2018/047301)
[87] (WO2019/040476)
[30] US (62/548,257) 2017-08-21
[30] US (62/572,801) 2017-10-16

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[51] **Int.Cl. H04W 4/00 (2018.01) H04W 40/24 (2009.01) H04W 48/00 (2009.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR LOAD BALANCING OF SENSORS**
[54] **SYSTEME ET PROCEDE D'EQUILIBRAGE DE CHARGE DE CAPTEURS**
[72] LEPP, JAMES RANDOLPH WINTER, CA
[72] MCCANN, STEPHEN, GB
[72] MONTEMURRO, MICHAEL PETER, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-02-25
[86] 2018-08-27 (PCT/EP2018/073043)
[87] (WO2019/042945)
[30] EP (17188945.4) 2017-09-01

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[51] **Int.Cl. A61K 9/24 (2006.01) A61K 9/50 (2006.01) A61K 31/167 (2006.01)**
[25] EN
[54] **COMPOSITION COMPRISING SUPLATAST TOSILATE**
[54] **COMPOSITION COMPRENANT DU TOSILATE DE SUPLATAST**
[72] BONDO HANSEN, JOHN, DK
[72] SONDERGARD THOMSEN, MIKAEL, DK
[72] HOJGAARD, BENT, DK
[71] CONRIG PHARMA APS, DK
[71] SOLURAL PHARMA APS, DK
[85] 2020-02-25
[86] 2018-08-28 (PCT/EP2018/073123)
[87] (WO2019/042995)
[30] EP (17188229.3) 2017-08-29

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[13] A1
[51] **Int.Cl. C13B 20/00 (2011.01) B04B 1/20 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING SUGAR LOSS DURING THE REMOVAL OF A COAGULATE FROM PRE-LIMING JUICE AND FOR THICKENING THE COAGULATE, USE OF A DECANTER CENTRIFUGE, FRACTION CONTAINING PROTEIN,AND SUGAR BEET PRE-LIMING JUICE**
[54] **PROCEDE POUR REDUIRE LA PERTE EN SUCRE LORSQU'UN COAGULUM EST SEPARE DU JUS PRECHAULE ET POUR EPAISSIR LE COAGULUM, UTILISATION D'UN DECANTEUR CENTRIFUGE, FRACTION PROTEIQUE ET JUS PRECHAULE DE BETTERAVE SUCRIERE**
[72] AJDARI RAD, MOHSEN, DE
[71] SUDZUCKER AG, DE
[85] 2020-02-25
[86] 2018-08-29 (PCT/EP2018/073190)
[87] (WO2019/043035)
[30] DE (10 2017 215 244.3) 2017-08-31

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[51] **Int.Cl. G01N 15/14 (2006.01) G01N 21/00 (2006.01) G01N 21/01 (2006.01) G01N 21/17 (2006.01) G01N 21/27 (2006.01)**
[25] EN
[54] **MULTIPLEXED BIOLOGICAL ASSAY DEVICE WITH ELECTRONIC READOUT**
[54] **DISPOSITIF DE DOSAGE BIOLOGIQUE MULTIPLEXE A LECTURE ELECTRONIQUE**
[72] MYERS, FRANK B., III, US
[72] REBER, CLAY D., US
[72] SMITH, TABER H., US
[72] MANIAR, FAISAL S., US
[71] LUCIRA HEALTH, INC., US
[85] 2020-02-24
[86] 2018-07-27 (PCT/US2018/044044)
[87] (WO2019/055135)
[30] US (62/558,815) 2017-09-14

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[51] **Int.Cl. G07C 9/29 (2020.01) E05B 47/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR KEYLESS ACCESS CONTROL SYSTEM**
[54] **SYSTEME ET PROCEDE POUR UN SYSTEME DE CONTROLE D'ACCES SANS CLE**
[72] BENNETT, THOMAS, US
[72] JOHNSON, ROY LUTHER, III, US
[71] UNIKEY TECHNOLOGIES INC., US
[85] 2020-02-24
[86] 2018-07-27 (PCT/US2018/044097)
[87] (WO2019/023580)
[30] US (15/661,933) 2017-07-27

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[13] A1
[51] **Int.Cl. D04H 1/4209 (2012.01) D04H 1/4218 (2012.01) D04H 3/002 (2012.01) D04H 3/004 (2012.01) C09D 183/04 (2006.01) D04H 1/64 (2012.01) F16L 59/14 (2006.01)**
[25] EN
[54] **USE OF A MINERAL WOOL PRODUCT**
[54] **UTILISATION D'UN PRODUIT DE LAINE MINERALE**
[72] ZWAAG, CLAUDIA, DK
[71] ROCKWOOL INTERNATIONAL A/S, DK
[85] 2020-02-25
[86] 2018-08-29 (PCT/EP2018/073268)
[87] (WO2019/043075)
[30] EP (17188632.8) 2017-08-30

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **POLYMORPHS OF SYK INHIBITORS**
[54] **POLYMORPHES INHIBITEURS DE SYK**
[72] ELFORD, TIM G., US
[72] FUNG, PETER CHEE-CHU, US
[72] HARTMEIER, PAUL ROBERT, US
[72] JERNELIUS, JESPER ALEXIS, US
[72] MORRISON, HENRY, US
[71] GILEAD SCIENCES, INC., US
[85] 2020-02-24
[86] 2018-08-10 (PCT/US2018/046314)
[87] (WO2019/040298)
[30] US (62/550,346) 2017-08-25

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[51] **Int.Cl. A41D 13/05 (2006.01) A41D 1/00 (2018.01) A41D 13/08 (2006.01) A41D 27/10 (2006.01) A61F 5/01 (2006.01) A63B 21/00 (2006.01) A63B 71/12 (2006.01)**
[25] EN
[54] **JOINT STABILIZATION GARMENTS**
[54] **VETEMENTS DE STABILISATION D'ARTICULATION**
[72] UNNAVA, PARTHA SARATHY, US
[72] HARMON, TYLER JACK PRESCOTT, US
[71] BETTER WALK, INC., US
[85] 2020-02-24
[86] 2018-08-22 (PCT/US2018/047619)
[87] (WO2019/040678)
[30] US (62/548,609) 2017-08-22
[30] US (29/631,819) 2018-01-03

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[13] A1
[51] **Int.Cl. H04N 21/231 (2011.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD FOR CREATION AND DISTRIBUTION OF SEGMENTED VIDEO OVER DISTRIBUTED MULTICAST-AWARE SPARSE NETWORKS WITH LOW LATENCY**
[54] **PROCEDE DE CREATION ET DE DISTRIBUTION DE VIDEO SEGMENTEE SUR DES RESEAUX EPARS, COMPATIBLES AVEC LA MULTIDIFFUSION, DISTRIBUES ET A FAIBLE LATENCE**
[72] SAUNDERS, ROBERT, US
[72] SAUER, MARK, CA
[71] SKITTER, INC., US
[85] 2020-02-24
[86] 2018-08-23 (PCT/US2018/047695)
[87] (WO2019/040713)
[30] US (15/685,106) 2017-08-24

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[13] A1
[51] **Int.Cl. A01J 5/007 (2006.01)**
[25] EN
[54] **METHOD FOR REDUCING THE INDIVIDUAL-SPECIFIC MILK PRODUCTION OF MILK-PRODUCING ANIMALS**
[54] **PROCEDE DE REDUCTION DE LA PRODUCTION INDIVIDUELLE DE LAIT D'ANIMAUX LAITIERS**
[72] SCHMIDT, SUSANNE, DE
[72] LINIUS, BRIGITTE, DE
[72] MAASSEN-FRANCKE, BEATE, DE
[72] MULLER, UTE, DE
[72] BUSCHER, WOLFGANG, DE
[72] MARTIN, LISETT MARIE, DE
[71] GEA FARM TECHNOLOGIES GMBH, DE
[85] 2020-02-25
[86] 2018-09-06 (PCT/EP2018/073948)
[87] (WO2019/048521)
[30] DE (10 2017 120 656.6) 2017-09-07

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[13] A1
[51] **Int.Cl. H04N 21/2343 (2011.01) H04N 21/236 (2011.01)**
[25] EN
[54] **METHOD FOR SYNCHRONIZING GOPS AND IDR-FRAMES ON MULTIPLE ENCODERS WITHOUT COMMUNICATION**
[54] **PROCEDE DE SYNCHRONISATION DE GROUPES D'IMAGES (GOP) ET DE TRAMES IDR SUR DE MULTIPLES CODEURS SANS COMMUNICATION**
[72] SAUER, MARK, CA
[72] SAUNDERS, ROBERT, US
[71] SKITTER, INC., US
[85] 2020-02-24
[86] 2018-08-23 (PCT/US2018/047702)
[87] (WO2019/040717)
[30] US (15/685,110) 2017-08-24

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[13] A1
[51] **Int.Cl. H01M 2/10 (2006.01) H01M 10/613 (2014.01) H01M 10/6566 (2014.01) H01M 10/052 (2010.01) H01M 2/12 (2006.01)**
[25] EN
[54] **EXHAUST SYSTEM**
[54] **SYSTEME D'ECHAPPEMENT**
[72] BORSHEIM, EIRIK, NO
[72] TORGERSEN, HAAKON, NO
[72] HAUGAN, ESPEN, NO
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-02-25
[86] 2018-09-17 (PCT/EP2018/075028)
[87] (WO2019/057656)
[30] GB (1715391.7) 2017-09-22

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/06 (2006.01)**
[25] EN
[54] **MATERIALS AND METHODS FOR ASSESSING CANCER RISK AND TREATING CANCER**
[54] **MATERIELS ET METHODES D'EVALUATION ET DE TRAITEMENT DU CANCER**
[72] SHAH, AMI A., US
[72] CASCIOLA-ROSEN, LIVIA, US
[72] ROSEN, ANTONY, US
[72] IGUSA, TAKERU, US
[72] LAIHO, MARIKKI, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2020-02-24
[86] 2018-08-23 (PCT/US2018/047770)
[87] (WO2019/040760)
[30] US (62/549,711) 2017-08-24

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[13] A1
[51] **Int.Cl. B01F 3/04 (2006.01) B01F 3/20 (2006.01) B01F 5/10 (2006.01) C01B 13/10 (2006.01) C01B 13/11 (2006.01)**
[25] EN
[54] **OZONE GENERATOR CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE GENERATEUR D'OZONE**
[72] HOWARD, NELSON EUGENE, US
[72] WITTEVEEN, KRIS R., US
[71] ABSOLUTAIRE, INC., US
[85] 2020-02-24
[86] 2018-08-24 (PCT/US2018/047895)
[87] (WO2019/040839)
[30] US (62/549,694) 2017-08-24

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[13] A1
[51] **Int.Cl. A61K 35/28 (2015.01) A61K 38/17 (2006.01) A61P 3/10 (2006.01) A61P 37/02 (2006.01) A61P 37/06 (2006.01)**
[25] EN
[54] **MESENCHYMAL STEM/STROMAL CELL-DERIVED EXTRACELLULAR VESICLES AND USES THEREOF IN AUTOIMMUNE DISEASES**
[54] **VESICULES EXTRACELLULAIRES DERIVEES DE CELLULES SOUCHES MESENCHYMATEUSES / CELLULES STROMALES MESENCHYMATEUSES, ET LEURS UTILISATIONS DANS DES MALADIES AUTO-IMMUNES**
[72] LEE, RYANG HWA, US
[72] OH, JOO YOUN, KR
[72] PROCKOP, DARWIN J., US
[72] KIM, DONG-KI, US
[72] KURODA, TAEKO SHIGEMOTO, US
[71] THE TEXAS A&M UNIVERSITY SYSTEM, US
[85] 2020-02-24
[86] 2018-08-24 (PCT/US2018/047990)
[87] (WO2019/040896)
[30] US (62/549,892) 2017-08-24

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[13] A1
[51] **Int.Cl. H04L 9/06 (2006.01)**
[25] EN
[54] **CRYPTOGRAPHIC SYSTEMS AND METHODS FOR EXTENDING APPARENT SIZE OF POOLS OF TRULY RANDOM NUMBERS**
[54] **SYSTEMES ET PROCEDES CRYPTOGRAPHIQUES POUR ETENDRE LA TAILLE APPARENTE DE GROUPES DE NOMBRES VERITABLEMENT ALEATOIRES**
[72] HAMMON, MICHAEL L., US
[72] HILDEBRANDT, WESLEY A., US
[72] MCCARTHY, KEVIN R., US
[71] 7TUNNELS, INC., US
[85] 2020-02-24
[86] 2018-08-24 (PCT/US2018/048010)
[87] (WO2019/040909)
[30] US (62/550,068) 2017-08-25

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[13] A1
[51] **Int.Cl. C07K 16/00 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **NOVEL STABLE ANTIBODY VARIABLE DOMAIN FRAMEWORK COMBINATIONS**
[54] **NOUVELLES COMBINAISONS STABLES DE CHARPENTES DE DOMAINES VARIABLES D'ANTICORPS**
[72] DIEM, DANIA, CH
[72] HESS, CHRISTIAN, CH
[72] MEYER, SEBASTIAN, CH
[72] URECH, DAVID, CH
[71] NUMAB THERAPEUTICS AG, CH
[85] 2020-02-25
[86] 2018-09-19 (PCT/EP2018/075377)
[87] (WO2019/057787)
[30] EP (17192206.5) 2017-09-20

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[54] **CONTINUOUS EXTRUDER PROCESS FOR MANUFACTURING RHEOLOGY-MODIFIED POLYOLEFIN FOR CABLE INSULATION LAYER, AND RELATED PRODUCTS**
[54] **PROCEDE CONTINU D'EXTRUSION POUR FABRIQUER UNE POLYOLEFINE A RHEOLOGIE MODIFIEE POUR UNE COUCHE D'ISOLATION DE CABLE ET PRODUITS APPARENTES**
[72] GOU, QIAN, US
[72] DUNCHUS, NEIL W., US
[72] CHAUDHARY, BHARAT I., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **PEROXIDE CONTAINING POLYOLEFIN FORMULATION**
[54] **FORMULATION DE POLYOLEFINE CONTENANT UN PEROXYDE**
[72] CHAUDHARY, BHARAT I., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **ADHESIVE PROPAGATION CONTROL USING LAYERS OF VARIABLE MELT INDEX**
[54] **CONTROLE DE PROPAGATION D'ADHESIF A L'AIDE DE COUCHES D'INDICE DE FUSION VARIABLE**
[72] REES, JOHN JOSEPH MATTHEWS, US
[72] TSIARKEZOS, STEPHEN, US
[72] ZAFIROGLU, DIMITRI, US
[72] DANIELL, ANTHONY, US
[71] ENGINEERED FLOORS LLC, US
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[54] **MUTANTS D'IGG1 FC PRESENTANT UNE ABLATION DES FONCTIONS EFFECTRICES**
[72] BRACK, SIMON SEBASTIAN, NL
[72] ATTINGER-TOLLER, ISABELLA, NL
[72] BULLER, FABIAN, NL
[72] GRABULOVSKI, DRAGAN, NL
[72] BERTSCHINGER, JULIAN, NL
[72] ZUMSTEG, ADRIAN, NL
[71] COVAGEN AG, CH
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[54] **SUPERCONDUCTING JOINT USING EXFOLIATED REBCO**
[54] **JOINT SUPRACONDUCTEUR UTILISANT UN REBCO EXFOLIE**
[72] BRITTLES, GREG, GB
[71] TOKAMAK ENERGY LTD, GB
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[54] **HEAT EXCHANGER FOR A BOILER, AND HEAT-EXCHANGER TUBE**
[54] **ECHANGEUR DE CHALEUR POUR CHAUDIERE, ET TUBE D'ECHANGEUR DE CHALEUR**
[72] ALESSANDRINI, ALBERTO, IT
[71] COSMOGAS S.R.L., IT
[85] 2020-02-25
[86] 2018-08-07 (PCT/IB2018/055938)
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[54] **GUIDE ATTACHMENT FOR POWER TOOLS**
[54] **FIXATION DE GUIDE POUR OUTILS ELECTRIQUES**
[72] KARG, NICHOLAS, CH
[72] SCHMUCKLI, NILS, CH
[72] FURRER, ANDRE, CH
[72] SANTINI, MIKE, US
[72] WEBER, SAMANTHA, US
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2020-02-25
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[54] **ANTI-PRESENILIN ANTIBODY FOR USE IN THE PREVENTION AND/OR TREATMENT OF CANCER**
[54] **UTILISATION D'UN ANTICORPS ANTIPRESENILINE POUR LA PREVENTION ET/OU LE TRAITEMENT DU CANCER**
[72] GONZALEZ SARMIENTO, ROGELIO, ES
[72] RODRIGUEZ MANOTAS, MIGUEL, ES
[72] FERNANDEZ MATEOS, JAVIER, ES
[72] GALLAR RUIZ, JUAN CARLOS, ES
[72] FLORENCIANO GOMEZ, DAVID, ES
[71] UNIVERSIDAD CATOLICA SAN ANTONIO, ES
[71] ALZHEIMUR 2012 S.L., ES
[71] IBSAL (INSTITUTO DE INVESTIGACION BIOMEDICA DE SALAMANCA), ES
[71] UNIVERSIDAD DE SALAMANCA, ES
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[54] **LIQUID HANDLING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE MANIPULATION DE LIQUIDE**
[72] PETERS, WOLFRAM JULIUS PAUL, NL
[72] DE HAAN, MICHIEL, NL
[72] DE JONG, CORNELIA MARIA, NL
[72] VAN OUDHEUSDEN, FREERK, NL
[72] MAURICE, INGMAR CHRISTIAAN, NL
[72] VAN DULLEMEN, MARLIES, NL
[72] SMETSERS, ANTONIUS FRANCISCUS CORNELIA MARIA, NL
[72] GARRITSEN, ANJA, NL
[71] INNATOSS LABORATORIES B.V., NL
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[54] **METHODS AND SYSTEMS FOR GENERATING DETAILED DATASETS OF AN ENVIRONMENT VIA GAMEPLAY**
[54] **PROCEDES ET SYSTEMES DE GENERATION D'ENSEMBLES DE DONNEES DETAILLES D'UN ENVIRONNEMENT PAR LE BIAIS DE L'EXECUTION D'UN JEU**
[72] HICKMAN, RYAN MICHAEL, US
[72] BAE, SOOHYUN, US
[71] NIANTIC INC., US
[85] 2020-02-25
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[54] **INDWELLING PUMP FOR FACILITATING REMOVAL OF URINE FROM THE URINARY TRACT**
[54] **POMPE A DEMEURE POUR FACILITER L'ELIMINATION DE L'URINE DU TRACTUS URINAIRE**
[72] ORR, DAVID E., US
[72] UPPERCO, JACOB L., US
[72] ERBEY, JOHN R. II, US
[71] STRATACA SYSTEMS LIMITED, MT
[85] 2020-02-25
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[54] **LUMINESCENT SOLAR CONCENTRATOR USING PEROVSKITE STRUCTURES**
[54] **CONCENTRATEUR SOLAIRE LUMINESCENT UTILISANT DES STRUCTURES DE PEROVSKITE**
[72] BROVELLI, SERGIO, IT
[72] MEINARDI, FRANCESCO, IT
[71] GLASS TO POWER S.P.A., IT
[85] 2020-02-25
[86] 2018-09-06 (PCT/IB2018/056807)
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[54] **URETERAL AND BLADDER CATHETERS AND METHODS OF INDUCING NEGATIVE PRESSURE TO INCREASE RENAL PERFUSION**
[54] **SONDES URETERALES ET VESICALES ET PROCEDES D'INDUCTION D'UNE PRESSION NEGATIVE POUR ACCROITRE LA PERFUSION RENALE**
[72] ERBEY, JOHN R. II, US
[72] ORR, DAVID E., US
[72] UPPERCO, JACOB L., US
[72] BLACK, LANCE MICHAEL, US
[72] FISHER, MICHAEL ALLEN, US
[72] STRANE, PATRICK WILLIAM, US
[71] STRATACA SYSTEMS LIMITED, MT
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[54] **DOSING REGIMEN OF SIPONIMOD**
[54] **SCHEMA POSOLOGIQUE DE SIPONIMOD**
[72] CHA, JANG-HO, US
[72] DAHLKE, FRANK, CH
[72] GARDIN, ANNE, CH
[72] LEGANGNEUX, ERIC, CH
[72] MALANGA, CARL JOSEPH III, US
[72] SHAKERI-NEJAD, KASRA, CH
[72] WALLSTROM, ERIK, CH
[72] WOLF, CHRISTIAN, BE
[71] NOVARTIS AG, CH
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[25] FR
[54] **METHOD FOR MANAGING DATA IN A TRANSPORTATION CABIN AND STANDARDISED IMPLEMENTATION ARCHITECTURE**
[54] **PROCEDE DE GESTION DE DONNEES DANS UNE CABINE DE TRANSPORT ET ARCHITECTURE STANDARDISEE DE MISE EN OEUVRE**
[72] DELAME, CYRILLE, FR
[72] BERANGER, SERGE, FR
[72] REBIERE, YOANN, FR
[71] LATELEC, FR
[85] 2020-02-25
[86] 2018-09-12 (PCT/EP2018/074637)
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[25] FR
[54] **FRAGRANCE DELIVERY SYSTEM**
[54] **SYSTEME DE DIFFUSION DE FRAGRANCES**
[72] SUISSA, DAVID, FR
[72] MARTIN, LAURENT, FR
[71] SCENTYS, FR
[85] 2020-02-25
[86] 2018-08-17 (PCT/FR2018/052073)
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[54] **COMPOUNDS AND METHODS FOR MODULATING ADENOSINE A2B RECEPTOR AND ADENOSINE A2A RECEPTOR**
[54] **COMPOSES ET PROCEDES DE MODULATION DU RECEPTEUR A2B DE L'ADENOSINE ET DU RECEPTEUR A2A DE L'ADENOSINE**
[72] LI, ZHIHONG, US
[72] FILONOVA, LUBOV KONSTANTINOVNA, US
[72] BRADLEY, ERIN KATHLEEN, US
[72] VERNER, ERIK, US
[71] CORVUS PHARMACEUTICALS, INC., US
[85] 2020-02-24
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[25] FR
[54] **BEAM PROFILE MEMBER COMPRISING DEFORMABLE ZONES FOR ABSORBING DEFORMATIONS OF SAID PROFILE MEMBER DURING THE SECURING THEREOF**
[54] **PROFILE DE LISSE COMPRENANT DES ZONES DEFORMABLES POUR L'ABSORPTION DES DEFORMATIONS DUDIT PROFILE LORS DE SA FIXATION**
[72] KOUIJZER, EDWIN, FR
[72] MUNCK, HERVE, FR
[71] NORMALU, FR
[85] 2020-02-25
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[25] FR
[54] **METHOD FOR EVALUATING THE PERFORMANCES OF A TYRE DURING USE**
[54] **PROCEDE D'EVALUATION DES PERFORMANCES D'UN PNEUMATIQUE EN COURS D'UTILISATION**
[72] SPINNLER, OLIVIER, FR
[72] BESNARD, NICOLAS, FR
[71] COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, FR
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[54] **SEPARATION DEVICE**
[54] **DISPOSITIF DE SEPARATION**
[72] PELTONEN, KARI, FI
[72] VEHMAA, JANNE, FI
[72] KAIPAINEN, VESA, FI
[72] SIIK, SAMI, FI
[72] PORKKA, SAMPSA, FI
[71] ANDRITZ OY, FI
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[54] **DI-NUCLEOTIDES CYCLIQUES EN TANT QUE STIMULATEURS DE MODULATEURS DE GENES D'INTERFERON**
[72] SONG, YUNTAO, US
[72] LI, ANRONG, US
[72] CHEN, XIAOQI, US
[71] BEIJING XUANYI PHARMASCIENCES CO., LTD., CN
[85] 2020-02-25
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[54] **DETECTION, ESTIMATION ET EVITEMENT DE COLLISION**
[72] HICKMAN, RYAN MICHAEL, US
[72] BAE, SOOHYUN, US
[71] NIANTIC, INC., US
[85] 2020-02-25
[86] 2018-09-07 (PCT/IB2018/056851)
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[54] **RIBOCICLIB SALTS AND SOLID STATE FORMS THEREOF**
[54] **SELS DE RIBOCICLIB ET FORMES A L'ETAT SOLIDE DE CEUX-CI**
[72] CERIC, HELENA, HR
[72] VERGANI, ELISA, IT
[72] TISENI, PAOLO SIMONE, IT
[72] KANTOR, HANA, CZ
[72] PARAVIDINO, PIERO, IT
[72] JANTON, NIKOLINA, HR
[72] GALLUZZO, CHRISTIAN, IT
[72] JEGOROV, ALEXANDR, CZ
[71] TEVA PHARMACEUTICALS USA, INC., US
[71] SICOR - SOCIETA ITALIANA CORTICOSTEROIDI S.R.L., IT
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[30] US (62/550,208) 2017-08-25
[30] US (62/555,170) 2017-09-07
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[54] **RECOMBINANT ADENO-ASSOCIATED VECTORS**
[54] **VECTEURS ADENO-ASSOCIES RECOMBINANTS**
[72] DURING, MATTHEW, US
[71] OVID THERAPEUTICS INC., US
[85] 2020-02-25
[86] 2018-08-22 (PCT/US2018/047466)
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[54] **CONFORMING PIPE INSULATION**
[54] **ISOLATION DE TUYAU CONFORME**
[72] GAWRYLA, MATTHEW DANIEL, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2020-02-25
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[54] **APPARATUS AND METHOD FOR AUTOMATED BLADE CHANGE FOR TISSUE SAW**
[54] **APPAREIL ET PROCEDE DE CHANGEMENT AUTOMATISE DE LAME POUR SCIE A PAPIER**
[72] CHIKE, MATTHEW J., US
[72] SPINELLI, STEFANO, US
[72] GUSSERT, CORY P., US
[72] ZAHN, JONATHON T., US
[71] PAPER CONVERTING MACHINE COMPANY, US
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[30] US (62/553,244) 2017-09-01
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[54] **ADHESIVE ARTICLES PERMITTING DAMAGE FREE REMOVAL**
[54] **ARTICLES ADHESIFS PERMETTANT UN RETRAIT SANS ENDOMMAGEMENT**
[72] KRULL, BRETT P., US
[72] TAN, DAWUD H., US
[72] BATRA, SAURABH, US
[72] GERHARDT, BRYAN L., US
[72] SANOCKI, STEPHEN M., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[30] US (62/550,204) 2017-08-25
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[54] **ADHESIVE ARTICLES PERMITTING DAMAGE FREE REMOVAL**
[54] **ARTICLES ADHESIFS PERMETTANT UN RETRAIT SANS DOMMAGE**
[72] KRULL, BRETT P., US
[72] TAN, DAWUD H., US
[72] EATON, BRADLEY W., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **PERFORMANCE ATTENDEE VOTING ARCHITECTURE, SYSTEM AND METHOD**
[54] **ARCHITECTURE, SYSTEME ET PROCEDE DE VOTE DE PARTICIPANTS A UNE PERFORMANCE**
[72] KEENE, DAVID RYAN REED, US
[72] CARPENTER, DAVID EDWARD, US
[72] COX, EDWARD MICHAEL, US
[72] PINCKARD, JOHN ARTHUR, US
[71] PANZA TECHNOLOGIES, INC., US
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[54] **TUBE DE MANCHON ET PROCEDE D'UTILISATION**
[72] SASSE, KENT, US
[72] FISHER, MATTHEW, US
[71] SASSE, KENT, US
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[54] **STORAGE STABLE SINCALIDE FORMULATIONS**
[54] **FORMULES DE SINCALIDE STABLES AU STOCKAGE**
[72] SUNDARAM, SRIKANTH, US
[71] MAIA PHARMACEUTICALS, INC., US
[85] 2020-02-25
[86] 2018-08-24 (PCT/US2018/048004)
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[54] **WATER COLLECTION ARRANGEMENT**
[54] **AGENCEMENT COLLECTEUR D'EAU**
[72] AUTH, CHRISTOPHER, US
[72] ROUSSELET, YOHANN, US
[72] MALAMUD, DINA, US
[72] EGOLF, KEVIN, US
[72] SZTOBRYN, LUKASZ, US
[71] BALTIMORE AIRCOIL COMPANY, INC., US
[85] 2020-02-25
[86] 2018-08-27 (PCT/US2018/048086)
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[30] US (15/692,585) 2017-08-31

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[25] EN
[54] **COMPOSITIONS AND METHODS FOR PREVENTING, ALLEVIATING, AND TREATING NEUROLOGICAL INJURY FOLLOWING HEAD TRAUMA**
[54] **COMPOSITIONS ET METHODES POUR PREVENIR, SOULAGER ET TRAITER UNE LESION NEUROLOGIQUE SUITE A UN TRAUMATISME CRANIEN**
[72] PURPURA, MARTIN, US
[72] JAEGER, RALPH, US
[72] OLSON, MARK, US
[71] STRUCT NUTRITION, LLC, US
[85] 2020-02-25
[86] 2018-08-27 (PCT/US2018/048148)
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[25] EN
[54] **PROCESS FOR SEPARATION OF DRY FOOD AND FEED MATERIALS USING A TRIBO-ELECTROSTATIC SEPARATOR DEVICE**
[54] **PROCEDE DE SEPARATION D'ALIMENTS SECS ET DE MATERIAUX ALIMENTAIRES A L'AIDE D'UN DISPOSITIF SEPARATEUR TRIBOELECTROSTATIQUE**
[72] FLYNN, KYLE P., US
[72] GUPTA, ABHISHEK, US
[72] HRACH, FRANK J., JR., US
[71] SEPARATION TECHNOLOGIES LLC, US
[85] 2020-02-25
[86] 2018-08-28 (PCT/US2018/048241)
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[30] US (62/551,008) 2017-08-28
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[25] EN
[54] **USE OF INHALED NITRIC OXIDE FOR THE IMPROVEMENT OF RIGHT AND/OR LEFT VENTRICULAR FUNCTION**
[54] **UTILISATION D'OXYDE NITRIQUE INHALE POUR L'AMELIORATION DE LA FONCTION VENTRICULAIRE DROITE ET/OU GAUCHE**
[72] QUINN, DEBORAH, US
[72] SHAH, PARAG, US
[71] BELLEROPHON PULSE TECHNOLOGIES LLC, US
[85] 2020-02-25
[86] 2018-08-29 (PCT/US2018/048524)
[87] (WO2019/046413)
[30] US (62/552,022) 2017-08-30
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[54] **USE OF INHALED NITRIC OXIDE FOR THE TREATMENT OF PULMONARY HYPERTENSION ASSOCIATED WITH LUNG DISEASE**
[54] **UTILISATION D'OXYDE NITRIQUE INHALE POUR LE TRAITEMENT DE L'HYPERTENSION PULMONAIRE ASSOCIEE A UNE AFFECTION PULMONAIRE**
[72] QUINN, DEBORAH, US
[72] SHAH, PARAG, US
[71] BELLEROPHON PULSE TECHNOLOGIES LLC, US
[85] 2020-02-25
[86] 2018-08-29 (PCT/US2018/048526)
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[54] **METHODS FOR DETECTING MICROBES**
[54] **METHODE DE DETECTION DE MICROBES**
[72] ANJEM, ADIL, US
[72] CARUANO-YZERMANS, AMY L., US
[72] CICHE, TODD A., US
[72] STEVENS, JULIA L., US
[72] TURNER, KEITH H., US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-02-25
[86] 2018-08-29 (PCT/US2018/048566)
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[25] EN
[54] **APPARATUS, SYSTEM, AND METHOD FOR RECORDING AND RENDERING MULTIMEDIA**
[54] **APPAREIL, SYSTEME ET PROCEDE D'ENREGISTREMENT ET DE RENDU MULTIMEDIA**
[72] PACKOUZ, DAVID, US
[72] PACKOUZ, ELIMELECH, US
[72] KORN, JEREMY, US
[71] INTELLITERRAN, INC., US
[85] 2020-02-25
[86] 2018-08-29 (PCT/US2018/048637)
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[25] EN
[54] **RAR SELECTIVE AGONISTS IN COMBINATION WITH IMMUNE MODULATORS FOR CANCER IMMUNOTHERAPY**
[54] **AGONISTES SELECTIFS DE RAR EN ASSOCIATION AVEC DES MODULATEURS IMMUNITAIRES EN IMMUNOTHERAPIE ANTICANCEREUSE**
[72] CHANDRARATNA, ROSHANTHA A., US
[72] SANDERS, MARTIN E., US
[71] IO THERAPEUTICS, INC., US
[85] 2020-02-25
[86] 2018-08-30 (PCT/US2018/048876)
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[54] **NICKING AND EXTENSION AMPLIFICATION REACTION (NEAR) OF RESPIRATORY SYNCYTIAL VIRUS SPECIES**
[54] **REACTION D'AMPLIFICATION DE SYNCHRONISATION ET D'EXTENSION (PROCHE) D'ESPECES DE VIRUS RESPIRATOIRE SYNCYTIAL**
[72] ZHANG, HONGHUA, US
[72] ROTH, RICHARD, US
[71] IONIAN TECHNOLOGIES INC., US
[85] 2020-02-25
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[54] **BATTERY SPECIFICATION LOOKUP AND AGGREGATION METHOD**
[54] **PROCEDE D'AGREGATION ET DE RECHERCHE DE SPECIFICATION DE BATTERIE**
[72] CARLO, MICHAEL R., US
[71] CPS TECHNOLOGY HOLDINGS LLC, US
[85] 2020-02-25
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[51] **Int.Cl. C07D 401/14 (2006.01) C07D 403/06 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **VINYLHETEROCYCLES AS RHO-ASSOCIATED COILED-COIL KINASE (ROCK) INHIBITORS**
[54] **HETEROCYCLES VINYLIQUES UTILISES EN TANT QU'INHIBITEURS DE LA KINASE BISPIRALEE ASSOCIEE A RHO (ROCK)**
[72] LI, AN-HU, US
[72] DANA, DIBYENDU, US
[72] LIM, DONG SUNG, US
[72] GADHIYA, SATISHKUMAR, US
[72] JUNG, DAWOON, US
[72] NARAYAN, PRAKASH, US
[72] ALI, QUAISAR, US
[72] PAKA, LATHA, US
[72] GOLDBERG, ITZHAK D., US
[71] ANGION BIOMEDICA CORP., US
[85] 2020-02-25
[86] 2018-08-31 (PCT/US2018/049225)
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[25] EN
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING SEPIAPTERIN AND USES THEREOF**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DE LA SEPIAPTERINE ET SES UTILISATIONS**
[72] LEVY, DANIEL E., US
[71] CENSA PHARMACEUTICALS INC., US
[85] 2020-02-25
[86] 2018-09-04 (PCT/US2018/049359)
[87] (WO2019/046849)
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[30] US (62/678,069) 2018-05-30

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[25] EN
[54] **LOW VOLTAGE POWER DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE PUISSANCE BASSE TENSION**
[72] SHULTZ, EDWARD C., US
[72] MELINYSHYN, JOHN B., US
[72] MERCURIO, SAVERIO, US
[71] IDEAL INDUSTRIES, INC., US
[85] 2020-02-25
[86] 2018-09-04 (PCT/US2018/049402)
[87] (WO2019/046857)
[30] US (62/553,223) 2017-09-01
[30] US (15/960,025) 2018-04-23

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[25] EN
[54] **VERTICALLY ADDED PROCESSING FOR BLOW MOLDING MACHINE**
[54] **TRAITEMENT ADDITIF VERTICAL POUR MACHINE DE MOULAGE PAR SOUFFLAGE**
[72] ALBERS, MARTIN R., US
[72] HEENAN, BRENT, US
[72] FOLKENROTH, KEITH, US
[72] JUSTICE, ROMAN, US
[72] HAGAN, BRIAN, US
[71] GRAHAM PACKAGING COMPANY, L.P., US
[85] 2020-02-25
[86] 2018-09-06 (PCT/US2018/049699)
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[30] US (16/122,300) 2018-09-05

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[51] **Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B65D 81/24 (2006.01) C08J 5/18 (2006.01) C08K 5/5415 (2006.01)**
[25] EN
[54] **PROCESS FOR PREVENTING ORGANOLEPTIC DEGRADATION IN FLEXIBLY-PACKAGED SENSITIVE FOODS AND PACKAGED PRODUCTS THEREOF**
[54] **PROCEDE POUR EMPECHER UNE DEGRADATION ORGANOLEPTIQUE DANS DES ALIMENTS SENSIBLES EMBALLES DANS UN EMBALLAGE SOUPLE ET PRODUITS EMBALLES ASSOCIES**
[72] CHOPIN, LAMY, US
[71] LIQUI-BOX CORPORATION, US
[85] 2020-02-25
[86] 2018-09-11 (PCT/US2018/050342)
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[25] EN
[54] **ASEPTIC SCREW-CAP ASSEMBLY**
[54] **ENSEMBLE FORMANT BOUCHON A VIS ASEPTIQUE**
[72] JOHNSON, JAMES W., US
[71] LIQUI-BOX CORPORATION, US
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[86] 2018-09-11 (PCT/US2018/050385)
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[51] **Int.Cl. H04W 52/34 (2009.01) H04W 52/14 (2009.01)**
[25] EN
[54] **HANDLING POWER TRANSITIONS IN NEW RADIO**
[54] **PROCEDES ET DISPOSITIFS DE GESTION DE TRANSITIONS DE PUISSANCE DANS DES DISPOSITIFS NEW RADIO**
[72] AKKARAKARAN, SONY, US
[72] HUANG, YI, US
[72] WANG, RENQIU, US
[72] PARK, SEYONG, US
[72] LUO, TAO, US
[72] GAAL, PETER, US
[72] MANOLAKOS, ALEXANDROS, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-25
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[30] GR (20170100419) 2017-09-18
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[51] **Int.Cl. A61B 1/005 (2006.01) A61B 1/00 (2006.01) A61M 25/01 (2006.01)**
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[54] **MULTI-DIRECTION STEERABLE HANDLES FOR STEERING CATHETERS**
[54] **POIGNEES ORIENTABLES MULTIDIRECTIONNELLES POUR ORIENTER DES CATHETERS**
[72] KHUU, BAO, US
[72] WINSTON, MATTHEW T., US
[72] METCHIK, ASHER L., US
[72] DIXON, ERIC ROBERT, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-02-25
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[51] **Int.Cl. C07K 14/605 (2006.01) A61K 38/17 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **GLUCAGON-LIKE PEPTIDE 1 RECEPTOR AGONISTS AND USES THEREOF**
[54] **AGONISTES DU RECEPTEUR GLP-1 (GLUCAGON-LIKE PEPTIDE 1) ET LEURS UTILISATIONS**
[72] WEI, YANG, US
[72] OKAMOTO, HARUKA, US
[72] GROMADA, JESPER, US
[72] DAVIS, SAMUEL, US
[72] MURPHY, ANDREW J., US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-02-25
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[51] **Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01)**
[25] EN
[54] **FLEXIBLE MONITORING PERIODICITY FOR SLOT FORMAT INDICATOR**
[54] **PERIODICITE DE SURVEILLANCE FLEXIBLE POUR INDICATEUR DE FORMAT DE CRENEAU**
[72] LEE, HEECHOON, US
[72] GAAL, PETER, US
[72] CHEN, WANSHI, US
[72] SUN, JING, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-25
[86] 2018-09-27 (PCT/US2018/053149)
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[30] US (62/566,739) 2017-10-02
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[51] **Int.Cl. A01N 1/02 (2006.01) A61D 7/00 (2006.01) A61M 1/14 (2006.01) A61M 5/168 (2006.01) B01D 59/36 (2006.01) G05B 19/02 (2006.01)**
[25] EN
[54] **VIRTUAL KIDNEY DONATION**
[54] **DON DE REIN VIRTUEL**
[72] KOTANKO, PETER, US
[72] THIJSSEN, STEPHAN, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-02-25
[86] 2018-11-15 (PCT/US2018/061167)
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[51] **Int.Cl. A61J 3/07 (2006.01) B01J 13/14 (2006.01) C08G 12/32 (2006.01)**
[25] EN
[54] **MICROENCAPSULATED ACIDIC MATERIALS**
[54] **MATIERES ACIDES MICROENCAPSULEES**
[72] SCHWANTES, TODD ARLIN, US
[71] ENCAPSYS, LLC, US
[85] 2020-02-25
[86] 2019-01-17 (PCT/US2019/013976)
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[30] US (62/620,657) 2018-01-23

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[51] **Int.Cl. B65G 21/20 (2006.01) E21D 9/12 (2006.01) E21F 13/08 (2006.01)**
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[54] **CONVEYOR SKIRT SYSTEM**
[54] **SYSTEME DE JUPE DE TRANSPORTEUR**
[72] WARNER, GRAHAM TREVOR, AU
[72] BELL, RONALD THOMAS, AU
[72] LLOYD, BRAD MICHAEL JOHN, AU
[71] CPC ENGINEERING PTY LTD, AU
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[87] (WO2019/040980)
[30] AU (2017903475) 2017-08-28

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[51] **Int.Cl. A61C 7/08 (2006.01) A61C 7/36 (2006.01) A61F 5/56 (2006.01)**
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[54] **APPAREIL D'ENTRAINEMENT ORAL**
[72] FARRELL, CHRISTOPHER JOHN, AU
[71] FARRELL, CHRISTOPHER JOHN, AU
[85] 2020-02-26
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[87] (WO2019/051545)
[30] AU (2017903725) 2017-09-13
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[54] **ACETIC ACID-BASED HERBICIDE COMPOSITION**
[54] **COMPOSITION HERBICIDE A BASE D'ACIDE ACETIQUE**
[72] BRIGGS, WILLIAM ERNEST, AU
[71] HIPPOCRATIC OLIGO MEDICINE CORPORATION PTY LTD, AU
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[30] AU (2017903835) 2017-09-21
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[30] AU (2018902926) 2018-08-10

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[25] EN
[54] **METHOD FOR STITCHING A MULTI-LAYER GARMENT LINING**
[54] **PROCEDE DE COUTURE D'APPLIQUE MULTICOUCHE POUR VETEMENT**
[72] EWELL, EMILY STEED, BR
[71] EC BRAND COM IMP EXP DE VEST EM GERAL LTDA, BR
[85] 2020-02-26
[86] 2017-08-28 (PCT/BR2017/050249)
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[51] **Int.Cl. B65D 85/72 (2006.01) B65D 25/14 (2006.01) C09D 167/02 (2006.01)**
[25] EN
[54] **USE OF A COATING COMPOSITION AND METHOD OF COATING A CAN**
[54] **UTILISATION D'UNE COMPOSITION DE REVETEMENT ET PROCEDE DE REVETEMENT D'UNE CANETTE**
[72] SENEKER, CARL, US
[72] LI, QIN, US
[72] ZHANG, WENCHAO, US
[72] MILLERO, JR., EDWARD R., US
[72] HU, FENGSHUO, US
[71] PPG INDUSTRIES OHIO, INC., US
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[51] **Int.Cl. A61B 34/10 (2016.01) A61B 8/00 (2006.01)**
[25] EN
[54] **INFERRING HEART FIBER GEOMETRY FROM ULTRASOUND IMAGING**
[54] **DEDUCTION DE LA GEOMETRIE DES FIBRES CARDIAQUES A PARTIR DE L'IMAGERIE PAR ULTRASONS**
[72] SAVADJIEV, PETER, CA
[72] SIDDIQI, KALEEM, CA
[71] THE ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING/MCGILL UNIVERSIT, CA
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[87] (WO2018/035600)
[30] US (62/379,918) 2016-08-26

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[51] **Int.Cl. A63G 7/00 (2006.01) A63G 21/14 (2006.01)**
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[54] **SYSTEM AND METHOD FOR TRACK RIDE VEHICLE ORIENTATION**
[54] **SYSTEME ET PROCEDE D'ORIENTATION DE VEHICULE SUR PISTE**
[72] GROGAN, BARRY, US
[72] BAUMAN, BRANDON MALLORY, US
[72] VAN WINKLE, TED W., US
[71] UNIVERSAL CITY STUDIOS LLC, US
[85] 2020-02-26
[86] 2018-08-09 (PCT/US2018/046091)
[87] (WO2019/050652)
[30] US (15/697,159) 2017-09-06

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[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/145 (2006.01) A61M 25/00 (2006.01) A61B 5/01 (2006.01)**
[25] EN
[54] **SMART OBTURATOR ASSEMBLY**
[54] **ENSEMBLE OBTURATEUR INTELLIGENT**
[72] ISAACSON, S. RAY, US
[72] HUNTER, MARK, US
[72] WALKER, PAUL, US
[72] O'BRYAN, JEFF, US
[71] BECTON, DICKINSON AND COMPANY, US
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[87] (WO2019/050671)
[30] US (15/697,165) 2017-09-06

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[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01)**
[25] EN
[54] **OBTURATOR ASSEMBLY WITH SELECTIVELY CONTROLLABLE FLUID FLOW PATH**
[54] **ENSEMBLE OBTURATEUR A TRAJET D'ECOULEMENT DE FLUIDE SELECTIVEMENT CONTROLABLE**
[72] ISAACSON, S. RAY, US
[72] HUNTER, MARK, US
[72] WALKER, PAUL, US
[72] O'BRYAN, JEFF, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-02-26
[86] 2018-08-21 (PCT/US2018/047292)
[87] (WO2019/050673)
[30] US (15/697,140) 2017-09-06

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[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/496 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61P 35/00 (2006.01) C07D 401/12 (2006.01) C07D 403/10 (2006.01) C07D 405/10 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01)**
[25] EN
[54] **INHIBITORS OF WDR5 PROTEIN-PROTEIN BINDING**
[54] **INHIBITEURS DE LA LIAISON PROTEINE WDR5-PROTEINE**
[72] AL-AWAR, RIMA, CA
[72] ISAAC, METHVIN, CA
[72] JOSEPH, BABU, CA
[72] LIU, YONG, CA
[72] MAMAI, AHMED, CA
[72] PODA, GENNADY, CA
[72] SUBRAMANIAN, PANDIARAJU, CA
[72] UEHLING, DAVID, CA
[72] WILSON, BRIAN, CA
[72] ZEPEDA-VELAZQUEZ, CARLOS ARMANDO, CA
[71] PROPELLON THERAPEUTICS INC., CA
[85] 2020-02-26
[86] 2018-09-06 (PCT/CA2018/051079)
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[30] US (62/554,812) 2017-09-06

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[51] **Int.Cl. A61M 25/00 (2006.01) A61M 39/10 (2006.01)**
[25] EN
[54] **SMART SMALL-BORE CONNECTOR DEVICE**
[54] **DISPOSITIF DE CONNECTEUR INTELLIGENT A PETIT ALESAGE**
[72] ISAACSON, S. RAY, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-02-26
[86] 2018-08-22 (PCT/US2018/047514)
[87] (WO2019/050683)
[30] US (62/554,905) 2017-09-06

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[51] **Int.Cl. C08K 5/14 (2006.01) C08J 3/24 (2006.01) H01B 3/44 (2006.01)**
[25] EN
[54] **PEROXIDE CONTAINING POLYOLEFIN FORMULATIONS**
[54] **FORMULATIONS DE POLYOLEFINE CONTENANT UN PEROXYDE**
[72] CHAUDHARY, BHARAT I., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2020-02-26
[86] 2018-08-23 (PCT/US2018/047658)
[87] (WO2019/046088)
[30] US (62/551,995) 2017-08-30

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[51] **Int.Cl. H03M 13/11 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR PROCESSING LDPC CODED DATA**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE DONNEES CODEES PAR CONTROLE DE PARITE A FAIBLE DENSITE**
[72] LI, LIGUANG, CN
[72] XU, JUN, CN
[72] XU, JIN, CN
[71] ZTE CORPORATION, CN
[85] 2020-02-26
[86] 2017-09-11 (PCT/CN2017/101278)
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[13] A1
[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **ANONYMIZATION OVERLAY NETWORK FOR DE-IDENTIFICATION OF EVENT PROXIMITY DATA**
[54] **RESEAU SUPERPOSE D'ANONYMISATION POUR DEPERSONNALISATION DE DONNEES DE PROXIMITE D'EVENEMENT**
[72] TUCKER, IV, ARTHUR OLIVER, US
[72] KARLEN, CHRISTOPHER DELTON, US
[71] SQUINT SYSTEMS INC., US
[85] 2020-02-26
[86] 2018-08-26 (PCT/US2018/048039)
[87] (WO2019/046139)
[30] US (62/553,774) 2017-09-01
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[51] **Int.Cl. F16D 7/02 (2006.01) F16D 41/20 (2006.01) F16H 55/36 (2006.01)**
[25] EN
[54] **ISOLATING DECOUPLER**
[54] **DECOUPLEUR ISOLANT**
[72] SERKH, ALEXANDER, US
[72] RAHDAR, ESSIE, US
[71] GATES CORPORATION, US
[85] 2020-02-26
[86] 2018-08-27 (PCT/US2018/048108)
[87] (WO2019/046175)
[30] US (15/688,430) 2017-08-28

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[51] **Int.Cl. C07D 403/12 (2006.01) A61K 31/497 (2006.01) A61P 1/16 (2006.01) A61P 29/00 (2006.01) C07D 401/14 (2006.01) C07D 403/14 (2006.01)**
[25] EN
[54] **LYSOPHOSPHATIDIC ACID RECEPTOR 1 (LPAR1) INHIBITOR COMPOUNDS**
[54] **COMPOSES INHIBITEURS DU RECEPTEUR 1 DE L'ACIDE LYSOPHOSPHATIDIQUE (LPAR1)**
[72] MA, TIANWEI, US
[72] WU, LIANG, US
[72] ZHANG, XUEJUN, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-26
[86] 2018-08-28 (PCT/US2018/048249)
[87] (WO2019/046239)
[30] CN (PCT/CN2017/100354) 2017-09-04

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **ANTI-CTLA4 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CTLA4 ET UTILISATIONS ASSOCIEES**
[72] YANG, YI, CN
[72] GUO, YANAN, CN
[72] CHENG, XIAODONG, CN
[72] CHEN, YUNYUN, CN
[72] XIE, JINGSHU, CN
[72] DONG, CHUNYAN, CN
[72] YANG, FANG, CN
[72] LU, CHENGYUAN, CN
[72] SHEN, YUELEI, CN
[72] NI, JIAN, CN
[71] EUCURE (BEIJING) BIOPHARMA CO., LTD, CN
[85] 2020-02-26
[86] 2017-09-21 (PCT/CN2017/102816)
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[13] A1
[51] **Int.Cl. H04L 29/08 (2006.01)**
[25] EN
[54] **NETWORKING DEVICE AND CONTROL SYSTEM AND METHOD THEREOF**
[54] **DISPOSITIF DE MISE EN RESEAU, ET SYSTEME ET PROCEDE DE COMMANDE ASSOCIES**
[72] CHENG, JAY, US
[72] HUANG, PO-TING, CN
[71] CHENG, JAY, US
[71] HUANG, PO-TING, CN
[85] 2020-02-26
[86] 2018-08-30 (PCT/CN2018/103275)
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[30] US (62/552,140) 2017-08-30

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[51] **Int.Cl. A01N 33/06 (2006.01) A01N 41/06 (2006.01) A61K 31/167 (2006.01)**
[25] EN
[54] **HEPATITIS B ANTIVIRAL AGENTS**
[54] **AGENTS ANTIVIRAUX CONTRE L'HEPATITE B**
[72] QIU, YAO-LING, US
[72] CAO, HUI, US
[72] GAO, XURI, US
[72] KASS, JORDAN, US
[72] LI, WEI, US
[72] PENG, XIAOWEN, US
[72] SUH, BYUNG-CHUL, US
[72] OR, YAT SUN, US
[71] ENANTA PHARMACEUTICALS, INC., US
[85] 2020-02-26
[86] 2018-08-28 (PCT/US2018/048300)
[87] (WO2019/046271)
[30] US (62/550,992) 2017-08-28

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[13] A1
[51] **Int.Cl. F23G 7/10 (2006.01) D07B 5/02 (2006.01) F24H 9/18 (2006.01)**
[25] EN
[54] **USE OF A ROPE OF FIBROUS PLANT MATERIAL AS COMBUSTIBLE MATERIAL**
[54] **UTILISATION D'UNE CORDE DE MATERIAU VEGETAL FIBREUX EN TANT QUE MATERIAU COMBUSTIBLE**
[72] GOLDSCHMIDT, ROLF, DE
[71] GOLDSCHMIDT, ROLF, DE
[85] 2020-02-26
[86] 2018-05-29 (PCT/EP2018/064051)
[87] (WO2019/042601)
[30] DE (10 2017 119 897.0) 2017-08-30

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[51] **Int.Cl. F21S 8/02 (2006.01) F21V 19/02 (2006.01) F21V 21/30 (2006.01) H02J 9/00 (2006.01)**
[25] EN
[54] **ALTERNATE JUNCTION BOX AND ARRANGEMENT FOR LIGHTING APPARATUS**
[54] **BOITE DE JONCTION ALTERNEE ET ARRANGEMENT POUR APPAREIL D'ECLAIRAGE**
[72] LOTFI, AMIR, US
[72] DANESH, MICHAEL D., US
[71] DMF, INC., US
[85] 2020-02-26
[86] 2018-08-28 (PCT/US2018/048357)
[87] (WO2019/046310)
[30] US (15/688,266) 2017-08-28

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[13] A1
[51] **Int.Cl. A21D 8/04 (2006.01) C12N 9/24 (2006.01)**
[25] EN
[54] **BAKER'S YEAST EXPRESSING ANTI-STALING/FRESHNESS AMYLASES**
[54] **LEVURE DE BOULANGERIE EXPRIMANT DES AMYLASES ANTI-RASSISSEMENT/FRAICHEUR**
[72] OESTDAL, HENRIK, DK
[72] TASSONE, MONICA, US
[72] CATLETT, MICHAEL GLENN, US
[72] HOGSETT, DAVID, US
[72] NIELSEN, MICHAEL LYNGE, DK
[71] NOVOZYMES A/S, DK
[85] 2020-02-26
[86] 2018-08-28 (PCT/EP2018/073091)
[87] (WO2019/042971)
[30] US (62/551,318) 2017-08-29

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[13] A1
[51] **Int.Cl. F03B 17/00 (2006.01) F01K 25/00 (2006.01) F01K 27/00 (2006.01) F03G 3/00 (2006.01) F03G 7/00 (2006.01)**
[25] EN
[54] **AIR-DRIVEN GENERATOR**
[54] **GENERATEUR ENTRAINE PAR AIR**
[72] MAYNARD, MARK J., US
[71] MAYNARD, MARK J., US
[85] 2020-02-26
[86] 2018-08-28 (PCT/US2018/048413)
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[13] A1
[51] **Int.Cl. A61K 35/30 (2015.01) A61P 25/28 (2006.01)**
[25] EN
[54] **USE OF CEREBROLYSIN**
[54] **UTILISATION DE LA CEREBROLYSINE**
[72] WINTER, STEFAN, AT
[72] MOSSLER, HERBERT, AT
[71] EVER NEURO PHARMA GMBH, AT
[85] 2020-02-26
[86] 2018-08-28 (PCT/EP2018/073106)
[87] (WO2019/042983)
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[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMBINATION CANCER THERAPY**
[54] **POLYTHERAPIE ANTICANCEREUSE**
[72] DEISSEROTH, ALBERT B., US
[72] HABIB, NAGY, GB
[71] MICROVAX, LLC, US
[85] 2020-02-26
[86] 2018-08-29 (PCT/US2018/048462)
[87] (WO2019/046377)
[30] US (62/553,363) 2017-09-01
[30] US (62/562,636) 2017-09-25
[30] US (62/595,106) 2017-12-06
[30] US (15/882,181) 2018-01-29

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[13] A1
[51] **Int.Cl. C01F 11/18 (2006.01) C13B 20/02 (2011.01) C13B 20/06 (2011.01) C13B 20/16 (2011.01)**
[25] EN
[54] **METHOD FOR PRODUCING FUNCTIONALLY IMPROVED CARBOLIME**
[54] **PROCEDE DE PRODUCTION D'ECUMES DE CARBONATATION AMELIOREES SUR LE PLAN FONCTIONNEL**
[72] AJDARI RAD, MOHSEN, DE
[71] SUDZUCKER AG, DE
[85] 2020-02-26
[86] 2018-08-29 (PCT/EP2018/073197)
[87] (WO2019/043040)
[30] DE (10 2017 215 243.5) 2017-08-31

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[13] A1
[51] **Int.Cl. B01D 46/00 (2006.01) F24F 11/30 (2018.01) F24F 11/39 (2018.01) B01D 46/44 (2006.01) B01D 46/46 (2006.01) F24F 3/16 (2006.01)**
[25] EN
[54] **AIR FILTER CONDITION SENSING**
[54] **DETECTION DE L'ETAT D'UN FILTRE A AIR**
[72] MEIS, MICHAEL ALAN, US
[72] ECHEVERRI, NICOLAS ANTONIO, US
[72] HINER, PATRICK STEPHEN, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-02-26
[86] 2018-08-29 (PCT/US2018/048469)
[87] (WO2019/046381)
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[13] A1
[51] **Int.Cl. G01N 30/60 (2006.01) B01D 15/16 (2006.01)**
[25] EN
[54] **CHROMATOGRAPHY CARTRIDGE AND METHOD OF PRODUCTION THEREOF**
[54] **CARTOUCHE DE CHROMATOGRAPHIE ET PROCEDE DE PRODUCTION CORRESPONDANT**
[72] ESALA, JUHA, SE
[72] NORLEN, ANDREAS, SE
[72] NORMANN, PER, SE
[71] BIOTAGE AB, SE
[85] 2020-02-26
[86] 2018-08-29 (PCT/EP2018/073215)
[87] (WO2019/043050)
[30] EP (17189076.7) 2017-09-01

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[13] A1
[51] **Int.Cl. A61K 31/4545 (2006.01) A61K 39/395 (2006.01) A61P 25/06 (2006.01)**
[25] EN
[54] **COMBINATION THERAPY OF LASMIDITAN AND A CGRP ANTAGONIST FOR USE IN THE TREATMENT OF MIGRAINE**
[54] **POLYTHERAPIE DE LASMIDITAN ET D'UN ANTAGONISTE DU CGRP POUR UNE UTILISATION DANS LE TRAITEMENT DE LA MIGRAINE**
[72] AURORA, SHEENA, US
[72] JOHNSON, KIRK WILLIS, US
[72] KREGE, JOHN HENRY, US
[71] ELI LILLY AND COMPANY, US
[85] 2020-02-26
[86] 2018-08-30 (PCT/US2018/048730)
[87] (WO2019/050759)
[30] US (62/554,726) 2017-09-06

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[13] A1
[51] **Int.Cl. F42B 1/032 (2006.01) F42D 1/08 (2006.01)**
[25] EN
[54] **SHAPED CHARGE LINER, SHAPED CHARGE FOR HIGH TEMPERATURE WELLBORE OPERATIONS AND METHOD OF PERFORATING A WELLBORE USING SAME**
[54] **CHEMISAGE DE CHARGE CREUSE, CHARGE CREUSE POUR OPERATIONS DE PUITS DE FORAGE A HAUTE TEMPERATURE ET PROCEDE DE PERFORATION D'UN PUITS DE FORAGE L'UTILISANT**
[72] LOEHKEN, JOERN OLAF, DE
[72] MCNELIS, LIAM, DE
[71] DYNAENERGETICS EUROPE GMBH, DE
[85] 2020-02-26
[86] 2018-09-07 (PCT/EP2018/074219)
[87] (WO2019/052927)
[30] US (62/558,552) 2017-09-14
[30] US (62/594,709) 2017-12-05

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61P 17/04 (2006.01)**
[25] EN
[54] **IMPROVED TREATMENT OF ATOPIC DERMATITIS WITH TRADIPITANT**
[54] **TRAITEMENT AMELIORE DE DERMATITE ATOPIQUE AU MOYEN DE TRADIPITANT**
[72] POLYMEROPOULOS, MIHAEL H., US
[72] XIAO, CHANGFU, US
[72] BIRZNIEKS, GUNTHER, US
[72] HEITMAN, ANDREW, US
[72] SMIESZEK, SANDRA, US
[71] VANDA PHARMACEUTICALS INC., US
[85] 2020-02-26
[86] 2018-08-30 (PCT/US2018/048825)
[87] (WO2019/055225)
[30] US (62/558,303) 2017-09-13
[30] US (62/572,456) 2017-10-14

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[13] A1
[51] **Int.Cl. H01F 27/04 (2006.01) H01F 27/29 (2006.01)**
[25] EN
[54] **HIGH-VOLTAGE DEVICE HAVING CERAMIC SPACER ELEMENTS, AND USE THEREOF**
[54] **APPAREIL HAUTE TENSION POURVU D'ELEMENTS ESPACEURS CERAMIQUES ET SON UTILISATION**
[72] GOPFERT, ROBERT, DE
[72] MULLER, SEBASTIAN, DE
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2020-02-26
[86] 2018-09-13 (PCT/EP2018/074683)
[87] (WO2019/063300)
[30] DE (10 2017 217 150.2) 2017-09-27

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[13] A1
[51] **Int.Cl. G05D 1/00 (2006.01) B64C 39/02 (2006.01) G08B 21/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING A PROPERTY USING DRONE BEACONS**
[54] **SYSTEME ET PROCEDE DE SURVEILLANCE DE PROPRIETE UTILISANT DES BALISES DE DRONES**
[72] ROBERTS, AARON LEE, US
[72] TRUNDLE, STEVEN, US
[71] ALARM.COM INCORPORATED, US
[85] 2020-02-26
[86] 2018-08-30 (PCT/US2018/048886)
[87] (WO2019/046598)
[30] US (62/552,370) 2017-08-30

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[13] A1
[51] **Int.Cl. C12P 7/10 (2006.01)**
[25] EN
[54] **ACETIC ACID CONSUMING STRAIN**
[54] **SOUCHE CONSOMMATRICE D'ACIDE ACETIQUE**
[72] DE BRUIJN, HANS MARINUS CHARLES JOHANNES, NL
[71] DSM IP ASSETS B.V., NL
[85] 2020-02-26
[86] 2018-09-25 (PCT/EP2018/075962)
[87] (WO2019/063544)
[30] EP (17193046.4) 2017-09-26

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[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01) A61L 27/14 (2006.01)**
[25] EN
[54] **SEALING MEMBER FOR PROSTHETIC HEART VALVE**
[54] **ELEMENT D'ETANCHEITE POUR UNE VALVE CARDIAQUE PROTHETIQUE**
[72] LEVI, TAMIR S., US
[72] YOHANAN, ZIV, US
[72] MAIMON, DAVID, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2020-02-26
[86] 2018-08-30 (PCT/US2018/048931)
[87] (WO2019/050776)
[30] US (62/554,933) 2017-09-06
[30] US (16/114,518) 2018-08-28

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[13] A1
[51] **Int.Cl. A61K 47/32 (2006.01) A61K 31/216 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **IMPLANTABLE DRUG DELIVERY DEVICE**
[54] **DISPOSITIF D'ADMINISTRATION DE MEDICAMENT POUVANT ETRE IMPLANTE**
[72] RIGBY-SINGLETON, SHELLIE, GB
[72] BARKER, IAN, GB
[72] LUK, SHEN, GB
[72] PANKAJ LAD, RAJAN, GB
[72] KUMAR, SANDEEP, GB
[71] JUNIPER PHARMACEUTICALS UK LIMITED, GB
[85] 2020-02-26
[86] 2018-05-23 (PCT/GB2018/051407)
[87] (WO2018/215772)
[30] GB (1708224.9) 2017-05-23

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[13] A1
[51] **Int.Cl. A61K 39/09 (2006.01) C07K 14/315 (2006.01)**
[25] EN
[54] **STREPTOCOCCUS SUIS VACCINES TO PROTECT AGAINST REPRODUCTIVE, NURSERY-AGE, AND GROWING PIG DISEASES AND METHODS OF MAKING AND USE THEREOF**
[54] **VACCINS CONTRE STREPTOCOCCUS SUIS POUR LA PROTECTION CONTRE LES MALADIES DES PORCS REPRODUCTEURS, DES PORCELETS ET DES PORCS EN CROISSANCE ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LAWRENCE, PAULRAJ, US
[71] BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC., US
[85] 2020-02-26
[86] 2018-08-31 (PCT/US2018/049041)
[87] (WO2019/046691)
[30] US (62/552,975) 2017-08-31

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[13] A1
[51] **Int.Cl. B65D 85/72 (2006.01) B65D 25/14 (2006.01) C09D 167/02 (2006.01)**
[25] EN
[54] **USE OF A COATING COMPOSITION AND METHOD OF COATING A CAN**
[54] **UTILISATION D'UNE COMPOSITION DE REVETEMENT ET PROCEDE DE REVETEMENT D'UNE CANETTE**
[72] SENEKER, CARL, US
[72] LI, QIN, US
[72] ZHANG, WENCHAO, US
[72] MILLERO, JR., EDWARD R., US
[72] HU, FENGSHUO, US
[71] PPG INDUSTRIES OHIO, INC., US
[85] 2020-02-26
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[87] (WO2019/046737)
[30] EP (17189078.3) 2017-09-01

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[51] **Int.Cl. B01J 21/08 (2006.01) B01J 21/06 (2006.01) B01J 23/04 (2006.01) B01J 31/02 (2006.01) B01J 35/02 (2006.01) B01J 37/02 (2006.01) B01J 37/08 (2006.01) C07C 51/353 (2006.01) C07C 67/313 (2006.01)**
[25] EN
[54] **A CATALYST AND A PROCESS FOR THE PRODUCTION OF ETHYLENICALLY UNSATURATED CARBOXYLIC ACIDS OR ESTERS**
[54] **PROCESSUS ET CATALYSEUR DE PRODUCTION D'ACIDES OU D'ESTERS CARBOXYLIQUES A INSATURATION ETHYLENIQUE**
[72] CULLEN, ADAM, GB
[72] JOHNSON, DAVID WILLIAM, GB
[72] YORK, IAN ANDREW, GB
[71] LUCITE INTERNATIONAL UK LIMITED, GB
[85] 2020-02-26
[86] 2018-09-13 (PCT/GB2018/052606)
[87] (WO2019/053438)
[30] GB (1714756.2) 2017-09-13

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[51] **Int.Cl. B26B 19/16 (2006.01)**
[25] EN
[54] **A HAIR TRIMMING DEVICE**
[54] **DISPOSITIF DU TYPE TONDEUSE A CHEVEUX**
[72] MOUNT, TIMOTHY RICHARD, GB
[71] THE IP BUSINESS LTD., GB
[85] 2020-02-26
[86] 2017-09-01 (PCT/IB2017/055277)
[87] (WO2018/042383)
[30] GB (1614886.8) 2016-09-01
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[51] **Int.Cl. A47D 13/02 (2006.01) A47C 31/00 (2006.01) A47C 31/11 (2006.01) A61G 1/048 (2006.01)**
[25] EN
[54] **CAR SEAT INSERT AND INFANT CARRIER**
[54] **INSERT DE SIEGE DE VOITURE ET PORTE-NOURRISSON**
[72] SHAHBANDAR, LENA, US
[71] SHAHBANDAR, LENA, US
[85] 2020-02-26
[86] 2017-08-26 (PCT/US2017/048784)
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[30] US (62/379,936) 2016-08-26

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[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/12 (2006.01) E21B 47/10 (2012.01)**
[25] EN
[54] **REAL-TIME PERFORATION PLUG DEPLOYMENT AND STIMULATION IN A SUBSURFACE FORMATION**
[54] **DEPLOIEMENT ET ACTIVATION EN TEMPS REEL DE BOUCHON DE PERFORATION DANS UNE FORMATION SOUTERRAINE**
[72] INYANG, UBONG, US
[72] CAMP, JOSHUA LANE, US
[72] ANDERSON, TYLER AUSTEN, US
[72] SURJAATMADJA, JIM BASUKI, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-02-26
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[51] **Int.Cl. E21B 43/25 (2006.01) E21B 47/10 (2012.01)**
[25] EN
[54] **REAL-TIME PERFORATION PLUG DEPLOYMENT AND STIMULATION IN A SUBSURFACE FORMATION**
[54] **MISE EN PLACE ET ACTIVATION DE BOUCHON DE PERFORATION EN TEMPS REEL DANS UNE FORMATION SOUTERRAINE**
[72] MONTALVO, JANETTE CORTEZ, US
[72] INYANG, UBONG, US
[72] CAMP, JOSHUA LANE, US
[72] ANDERSON, TYLER AUSTEN, US
[72] SURJAATMADJA, JIM BASUKI, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-02-26
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[25] EN
[54] **FISH FARM MADE OF A RIGID MATERIAL**
[54] **INSTALLATION DE PISCICULTURE CONSTITUEE D'UN MATERIAU RIGIDE**
[72] VALUM, ROLF SVERRE, NO
[72] HAUG, ATLE KIELLAND, NO
[72] HAREID, KARE OLAVSON, NO
[71] BEMLOTEK AS, NO
[85] 2020-02-26
[86] 2018-02-20 (PCT/NO2018/050046)
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[51] **Int.Cl. A61B 5/1473 (2006.01)**
[25] EN
[54] **INVASIVE BIOSENSOR ALIGNMENT AND RETENTION**
[54] **ALIGNEMENT ET RETENTION DE BIOCAPTEUR INVASIF**
[72] LIN, ARTHUR, US
[72] WANG, XIANYAN, US
[72] KO, PEY-JIUN, US
[71] DEXCOM, INC., US
[85] 2020-02-26
[86] 2018-07-31 (PCT/US2018/044710)
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[30] US (15/703,087) 2017-09-13

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[13] A1
[51] **Int.Cl. C07D 215/44 (2006.01) C07D 401/12 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **ECTONUCLEOTIDE PYROPHOSPHATASE-PHOSPHODIESTERASE 1 (ENPP-1) INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE L'ECTONUCLEOTIDE PYROPHOSPHATASE-PHOSPHODIESTERASE (ENPP-1) ET UTILISATIONS DE CES DERNIERS**
[72] GALLATIN, WILLIAM MICHAEL, US
[72] ODINGO, JOSHUA, US
[72] DIETSCH, GREGORY N., US
[72] FLORIO, VINCENT, US
[72] VENKATESHAPPA, CHANDREGOWDA, IN
[72] DURAISWAMY, ATHISAYAMANI JEYARAJ, IN
[71] ABBVIE INC., US
[85] 2020-02-26
[86] 2018-08-31 (PCT/US2018/049195)
[87] (WO2019/046778)
[30] US (62/553,043) 2017-08-31
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[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01)**
[25] EN
[54] **COMPUTERIZED APPLICATIONS FOR COORDINATING DELIVERY DATA WITH MOBILE COMPUTING DEVICES**
[54] **APPLICATIONS INFORMATISEES POUR COORDONNER DES DONNEES DE LIVRAISON AVEC DES DISPOSITIFS INFORMATIQUES MOBILES**
[72] WILLIAMS, BRUCE, US
[72] KOST, CAROLYN, US
[72] KAVANATH, DILLON, IE
[72] KAVANAGH, KILLIAN, IE
[72] YILE, TROY, IE
[71] PUT CORP., US
[85] 2020-02-26
[86] 2018-08-31 (PCT/US2018/049253)
[87] (WO2019/046811)
[30] US (62/553,718) 2017-09-01
[30] US (62/645,663) 2018-03-20

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[13] A1
[51] **Int.Cl. F02C 1/05 (2006.01) F02C 1/10 (2006.01) G21H 1/00 (2006.01)**
[25] EN
[54] **POWER CONVERSION SYSTEM FOR NUCLEAR POWER GENERATORS AND RELATED METHODS**
[54] **SYSTEME DE CONVERSION D'ENERGIE POUR GENERATEURS D'ENERGIE NUCLEAIRE ET PROCEDES ASSOCIES**
[72] FILIPPONE, CLAUDIO, US
[71] FILIPPONE, CLAUDIO, US
[85] 2020-02-26
[86] 2018-08-31 (PCT/US2018/049282)
[87] (WO2019/046831)
[30] US (62/552,532) 2017-08-31

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[51] **Int.Cl. A47J 31/06 (2006.01) A23F 5/26 (2006.01) A47J 31/18 (2006.01) A47J 31/20 (2006.01) B01D 33/01 (2006.01)**
[25] EN
[54] **COMMERCIAL FRENCH PRESS COFFEE BREWING AND DISPENSING SYSTEM**
[54] **SYSTEME DE BRASSAGE ET DE DISTRIBUTION DE CAFE A PISTON COMMERCIAL**
[72] SPITZLEY, JULIE K., US
[71] SPITZLEY, JULIE K., US
[85] 2020-02-26
[86] 2018-09-05 (PCT/US2018/049536)
[87] (WO2019/050941)
[30] US (62/554,241) 2017-09-05

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[51] **Int.Cl. C07K 14/71 (2006.01) A61K 31/517 (2006.01) A61K 31/519 (2006.01)**
[25] EN
[54] **COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING HER-DRIVEN DRUG-RESISTANT CANCERS**
[54] **COMPOSES, COMPOSITIONS ET METHODES DE TRAITEMENT OU DE PREVENTION DE CANCERS PHARMACORESISTANTS INDUITS PAR HER**
[72] DOEBELE, ROBERT C., US
[71] THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, US
[85] 2020-02-26
[86] 2018-09-07 (PCT/US2018/049842)
[87] (WO2019/051155)
[30] US (62/556,121) 2017-09-08
[30] US (62/712,531) 2018-07-31

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[13] A1
[51] **Int.Cl. C07K 14/415 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **USE OF A MAIZE UNTRANSLATED REGION FOR TRANSGENE EXPRESSION IN PLANTS**
[54] **UTILISATION D'UNE REGION NON TRADUITE DU MAIS POUR L'EXPRESSION TRANSGENIQUE DANS DES PLANTES**
[72] GONZALEZ, DELKIN O., US
[72] MANN, DAVID, US
[72] DAVIES, JOHN, US
[72] CONNELL, JAMES PATRICK, US
[72] CHURCH, JEFFREY, US
[72] BUTLER, HOLLY JEAN, US
[72] SOPKO, MEGAN, US
[72] WOODALL, KRISTINA M., US
[71] DOW AGROSCIENCES LLC, US
[85] 2020-02-26
[86] 2018-09-07 (PCT/US2018/049870)
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[30] US (62/561,233) 2017-09-21

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[13] A1
[51] **Int.Cl. G06F 21/16 (2013.01) G06F 16/901 (2019.01)**
[25] EN
[54] **STATISTICAL FINGERPRINTING OF LARGE STRUCTURED DATASETS**
[54] **CREATION PAR STATISTIQUE D'EMPREINTES NUMERIQUES D'ENSEMBLES DE DONNEES DE GRANDE STRUCTURE**
[72] COLEMAN, ARTHUR, US
[72] LEUNG, TSZ LING CHRISTINA, US
[72] ROSE, MARTIN, US
[72] POWERS, CHIVON, US
[72] SHANKAR, NATARAJAN, US
[71] LIVERAMP, INC., US
[85] 2020-02-26
[86] 2018-09-07 (PCT/US2018/049910)
[87] (WO2019/070363)
[30] US (62/568,720) 2017-10-05

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[51] **Int.Cl. C07F 15/00 (2006.01) A61K 33/24 (2019.01) A61P 35/00 (2006.01)**
[25] EN
[54] **PHOSPHAPLATIN COMPOUNDS AS IMMUNO-MODULATORY AGENTS AND THERAPEUTIC USES THEREOF**
[54] **COMPOSES DE PHOSPHAPLATINE UTILISES EN TANT QU'AGENTS IMMUNOMODULATEURS ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] AMES, TYLER, US
[72] PRICE, MATTHEW, US
[71] PHOSPLATIN THERAPEUTICS LLC, US
[85] 2020-02-26
[86] 2018-09-07 (PCT/US2018/049980)
[87] (WO2019/051246)
[30] US (62/555,676) 2017-09-08

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[51] **Int.Cl. B42C 19/08 (2006.01) B42C 1/12 (2006.01) B42C 9/00 (2006.01) B42C 13/00 (2006.01) B42C 15/00 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR BOOK BLOCK BINDING AND METHOD THEREOF**
[54] **SYSTEME ET APPAREIL DE RELIURE DE CORPS D'OUVRAGE ET PROCEDE ASSOCIE**
[72] KUBIAK, PETER, DE
[72] STRASSER, JOSEF MARTIN, DE
[71] LIGHTNING SOURCE LLC, US
[85] 2020-02-26
[86] 2018-09-10 (PCT/US2018/050216)
[87] (WO2019/051383)
[30] US (15/700,843) 2017-09-11

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[13] A1
[51] **Int.Cl. B65G 47/90 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR PRINT MEDIA MANUFACTURING BUFFERING AND SORTING, AND CORRESPONDING METHOD THEREOF**
[54] **SYSTEME ET APPAREIL DE MISE EN MEMOIRE TAMPON ET DE TRI DE FABRICATION DE SUPPORTS D'IMPRESSION, ET PROCEDE CORRESPONDANT**
[72] KUBIAK, PETER, DE
[72] STRASSER, JOSEF MARTIN, DE
[71] LIGHTNING SOURCE LLC, US
[85] 2020-02-26
[86] 2018-09-10 (PCT/US2018/050218)
[87] (WO2019/051384)
[30] US (15/701,046) 2017-09-11
[30] US (16/036,407) 2018-07-16

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[13] A1
[51] **Int.Cl. A61K 8/35 (2006.01) A61K 8/67 (2006.01) A61K 8/97 (2017.01)**
[25] EN
[54] **ORAL CARE DENTIFRICE FORMULATIONS AND METHODS FOR USE**
[54] **FORMULATIONS DE DENTIFRICE DE SOIN BUCCAL ET METHODES D'UTILISATION**
[72] CURATOLA, GERALD P., US
[71] CURATOLA, GERALD P., US
[85] 2020-02-26
[86] 2018-09-11 (PCT/US2018/050485)
[87] (WO2019/055420)
[30] US (62/558,571) 2017-09-14
[30] US (16/123,415) 2018-09-06

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[51] **Int.Cl. G06Q 30/02 (2012.01) H04N 21/2385 (2011.01) H04N 21/258 (2011.01) H04N 21/2668 (2011.01)**
[25] EN
[54] **COMPUTING ENVIRONMENT NODE AND EDGE NETWORK TO OPTIMIZE DATA IDENTITY RESOLUTION**
[54] **N□UD D'ENVIRONNEMENT INFORMATIQUE ET RESEAU PERIPHERIQUE POUR OPTIMISER LA RESOLUTION D'IDENTITE DE DONNEES**
[72] HAGY, MATTHEW C., US
[71] LIVERAMP, INC., US
[85] 2020-02-26
[86] 2018-09-12 (PCT/US2018/050584)
[87] (WO2019/070379)
[30] US (62/566,741) 2017-10-02

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[13] A1
[51] **Int.Cl. F03D 3/06 (2006.01) F03D 9/25 (2016.01) F03D 80/70 (2016.01) F03D 80/80 (2016.01)**
[25] EN
[54] **WIND TURBINE SYSTEM**
[54] **SYSTEME D'EOLIENNE**
[72] CORRADO, MICHAEL L., US
[71] THE CORRADO FAMILY LIMITED PARTNERSHIP, LLC, US
[85] 2020-02-26
[86] 2018-09-12 (PCT/US2018/050622)
[87] (WO2019/055488)
[30] US (62/557,257) 2017-09-12

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[13] A1
[51] **Int.Cl. H04W 56/00 (2009.01) H04W 72/04 (2009.01)**
[25] EN
[54] **SYNCHRONIZATION SIGNAL BLOCK AND CONTROL RESOURCE SET MULTIPLEXING**
[54] **BLOC DE SIGNAL DE SYNCHRONISATION ET MULTIPLEXAGE D'ENSEMBLE DE RESSOURCES DE COMMANDE**
[72] LY, HUNG DINH, US
[72] LEE, HEECHOON, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-26
[86] 2018-09-14 (PCT/US2018/051115)
[87] (WO2019/055804)
[30] US (62/559,368) 2017-09-15
[30] US (16/130,462) 2018-09-13

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[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01)**
[25] EN
[54] **TECHNIQUES AND APPARATUSES FOR WAKEUP SIGNAL DESIGN AND RESOURCE ALLOCATION**
[54] **TECHNIQUES ET APPAREILS DE CONCEPTION DE SIGNAL DE REVEIL ET D'ATTRIBUTION DE RESSOURCES**
[72] LIU, LE, US
[72] RICO ALVARINO, ALBERTO, US
[72] ANG, PETER PUI LOK, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-26
[86] 2018-09-18 (PCT/US2018/051510)
[87] (WO2019/067266)
[30] US (62/565,767) 2017-09-29
[30] US (16/031,671) 2018-07-10

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[13] A1
[51] **Int.Cl. B32B 1/00 (2006.01) B32B 27/08 (2006.01) B32B 38/00 (2006.01)**
[25] EN
[54] **FOLDED PANEL, METHOD OF MAKING SAME AND PRODUCTS MADE FROM ONE OR MORE SUCH FOLDED PANELS**
[54] **PANNEAU PLIE, SON PROCEDE DE FABRICATION ET PRODUITS FABRIQUES A PARTIR D'UN OU DE PLUSIEURS DE CES PANNEAUX PLIES**
[72] NYEBOER, CALVIN D., US
[71] BRADFORD COMPANY, US
[85] 2020-02-26
[86] 2018-09-20 (PCT/US2018/051970)
[87] (WO2019/060557)
[30] US (62/562,888) 2017-09-25

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[13] A1
[51] **Int.Cl. B01D 61/02 (2006.01) B01D 61/06 (2006.01) B01D 61/08 (2006.01) B01D 61/12 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR OPERATING A HIGH RECOVERY SEPARATION PROCESS**
[54] **PROCEDE ET SYSTEME DE FONCTIONNEMENT D'UN PROCESSUS DE SEPARATION A RECUPERATION ELEVEE**
[72] OKLEJAS, ELI, JR., US
[71] FLUID EQUIPMENT DEVELOPMENT COMPANY, LLC, US
[85] 2020-02-26
[86] 2018-09-25 (PCT/US2018/052576)
[87] (WO2019/060876)
[30] US (62/562,694) 2017-09-25
[30] US (16/138,291) 2018-09-21

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[13] A1
[51] **Int.Cl. H04W 12/04 (2009.01) H04W 12/10 (2009.01) H04L 29/06 (2006.01)**
[25] EN
[54] **INCORPORATING NETWORK POLICIES IN KEY GENERATION**
[54] **INCORPORATION DE POLITIQUES DE RESEAU DANS UNE GENERATION DE CLES**
[72] LEE, SOO BUM, US
[72] ESCOTT, ADRIAN EDWARD, US
[72] PALANIGOUNDER, ANAND, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-26
[86] 2018-09-29 (PCT/US2018/053661)
[87] (WO2019/070542)
[30] US (62/567,086) 2017-10-02
[30] US (16/146,709) 2018-09-28

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[13] A1
[51] **Int.Cl. H04L 1/00 (2006.01) H04L 12/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR SEGMENTATION OF POSITIONING PROTOCOL MESSAGES**
[54] **PROCEDES ET SYSTEMES POUR LA SEGMENTATION DE MESSAGES DE PROTOCOLE DE POSITIONNEMENT**
[72] EDGE, STEPHEN WILLIAM, US
[72] FISCHER, SVEN, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-02-26
[86] 2018-10-02 (PCT/US2018/053863)
[87] (WO2019/070640)
[30] US (62/569,551) 2017-10-08
[30] US (62/587,428) 2017-11-16
[30] US (16/148,722) 2018-10-01

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY MOLECULES TO CD138 AND USES THEREOF**
[54] **MOLECULES D'ANTICORPS SE LIANT A CD73 ET LEURS UTILISATIONS**
[72] CHAGANTY, BHARAT, US
[72] RAMAKRISHNAN, BOOPATHY, US
[72] ADARI-HALL, HEDY, US
[72] VISWANATHAN, KARTHIK, US
[72] MYETTE, JAMES R., US
[72] SHRIVER, ZACHARY, US
[71] VISTERRA, INC., US
[85] 2020-02-26
[86] 2018-10-02 (PCT/US2018/053989)
[87] (WO2019/070726)
[30] US (62/566,936) 2017-10-02
[30] US (62/725,880) 2018-08-31

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[13] A1
[51] **Int.Cl. G06F 16/33 (2019.01)**
[25] EN
[54] **SEARCH TERM EXTRACTION AND OPTIMIZATION FROM NATURAL LANGUAGE TEXT FILES**
[54] **EXTRACTION ET OPTIMISATION DE TERMES DE RECHERCHE DANS DES FICHIERS DE TEXTE EN LANGAGE NATUREL**
[72] POWERS, CHIVON, US
[72] LAI, TZUNG-HAN, US
[72] ANDERSON, MICHAEL, US
[71] LIVERAMP, INC., US
[85] 2020-02-26
[86] 2018-10-04 (PCT/US2018/054331)
[87] (WO2019/070954)
[30] US (62/568,374) 2017-10-05

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[13] A1
[51] **Int.Cl. C07D 451/14 (2006.01) A61K 31/519 (2006.01) C07D 403/12 (2006.01) C07D 451/04 (2006.01)**
[25] EN
[54] **PYRIMIDINE COMPOUND AS JAK KINASE INHIBITOR**
[54] **COMPOSES DE PYRIMIDINE UTILISES EN TANT QU'INHIBITEURS DE KINASE JAK**
[72] KOZAK, JENNIFER, US
[72] HUDSON, RYAN, US
[72] BRANDT, GARY E.L., US
[72] MCKINNELL, ROBERT MURRAY, US
[72] DABROS, MARTA, US
[72] NZEREM, JERRY, US
[71] THERAVANCE BIOPHARMA R&D IP, LLC, US
[85] 2020-02-26
[86] 2018-10-26 (PCT/US2018/057682)
[87] (WO2019/084383)
[30] US (62/577,852) 2017-10-27

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[13] A1
[51] **Int.Cl. C07C 5/42 (2006.01) C07C 11/04 (2006.01)**
[25] EN
[54] **OXIDATIVE DEHYDROGENATION OF ETHANE USING CARBON DIOXIDE**
[54] **DESHYDROGENATION OXYDANTE D'ETHANE A L'AIDE DE DIOXYDE DE CARBONE**
[72] BEAUCHAMP, DAMIAN, US
[72] LU, XIJIA, US
[72] RAFATI, MOHAMMAD, US
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2020-02-26
[86] 2018-08-27 (PCT/IB2018/056529)
[87] (WO2019/043560)
[30] US (62/550,990) 2017-08-28

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[13] A1
[51] **Int.Cl. D21F 1/66 (2006.01) B32B 29/08 (2006.01) D21F 9/00 (2006.01) D21F 11/02 (2006.01) D21F 11/12 (2006.01) D21H 11/18 (2006.01) D21H 21/54 (2006.01) D21H 27/40 (2006.01)**
[25] EN
[54] **A METHOD TO PRODUCE A PAPERBOARD, A PAPERBOARD AND A CORRUGATED BOARD**
[54] **PROCEDE DE PRODUCTION DE CARTON, CARTON, ET CARTON ONDULE**
[72] SIPPUS, TUOMO, FI
[71] STORA ENSO OYJ, FI
[85] 2020-02-26
[86] 2018-08-30 (PCT/IB2018/056616)
[87] (WO2019/043608)
[30] SE (1751057-9) 2017-09-01

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[51] **Int.Cl. C07D 491/056 (2006.01) A61K 31/407 (2006.01) A61P 35/00 (2006.01)**
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[54] **SOLID FORMS OF 3-(5-FLUOROBENZOFURAN-3-YL)-4-(5-METHYL-5H-[1,3]DIOXOLO[4,5-F]INDOL-7-YL)PYRROLE-2,5-DIONE**
[54] **FORMES SOLIDES DE 3-(5-FLUOROBENZOFURAN-3-YL)-4-(5-METHYL-5H-[1,3]DIOXOLO[4,5-F]INDOL-7-YL)PYRROLE-2,5-DIONE**
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[71] ACTUATE THERAPEUTICS INC., US
[85] 2020-02-26
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[54] **FIBER REINFORCED FLEXIBLE FOAMS**
[54] **MOUSSES SOUPLES RENFORCEES PAR DES FIBRES**
[72] PETERSON, BRUCE W., US
[72] CRAWFORD, MARK L., US
[72] MCKNIGHT, MATTHEW, US
[71] L&P PROPERTY MANAGEMENT COMPANY, US
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[51] **Int.Cl. F04B 9/12 (2006.01) F04B 53/16 (2006.01)**
[25] EN
[54] **FLUID PUMP HAVING SELF-CLEANING AIR INLET STRUCTURE**
[54] **POMPE A FLUIDE DOTEE DE STRUCTURE D'ENTREE D'AIR AUTONETTOYANTE**
[72] SCHAUPP, JOHN F., US
[72] SCHULTZ, DONALD LEE, US
[72] MCKEOWN, MATTHEW THOMAS, US
[71] Q.E.D. ENVIRONMENTAL SYSTEMS, INC., US
[85] 2020-02-26
[86] 2018-12-18 (PCT/US2018/066144)
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[30] US (62/607,732) 2017-12-19

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[51] **Int.Cl. F04B 53/10 (2006.01) F04B 49/06 (2006.01) F04B 53/16 (2006.01) F16K 1/38 (2006.01) F16K 17/02 (2006.01) F16K 27/02 (2006.01)**
[25] EN
[54] **POPPET VALVE FOR FLUID PUMP**
[54] **SOUPAPE CHAMPIGNON POUR POMPE A FLUIDE**
[72] SCHAUPP, JOHN F., US
[72] FISCHER, DAVID A., US
[72] WELLS, STEVEN RICHARD, US
[72] SCHULTZ, DONALD LEE, US
[72] MCKEOWN, MATTHEW THOMAS, US
[72] ALLEN III, WILLIAM CARROLL, US
[71] Q.E.D. ENVIRONMENTAL SYSTEMS, INC., US
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[25] EN
[54] **ADENO-ASSOCIATED VIRUS (AAV) WITH MODIFIED PHOSPHOLIPASE DOMAIN**
[54] **VIRUS ADENO-ASSOCIE (AAV) AVEC DOMAINE DE PHOSPHOLIPASE MODIFIE**
[72] STRINGS-UFOMBAH, VANESSA, AU
[72] KAO, SHIH-CHU, AU
[72] ROELVINK, PETRUS W., AU
[71] BENITEC BIOPHARMA LIMITED, AU
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[54] **PARENTERAL FORMULATION COMPRISING SIPONIMOD**
[54] **FORMULATION PARENTERALE COMPRENANT DU SITOMOD**
[72] KUMAR, RAJESH, IN
[72] KUMAR, MANDALA RAYABANDLA SUNIL, IN
[72] TIEMESSEN, HENRICUS LAMBERTUS GERARDUS MARIA, CH
[71] NOVARTIS AG, CH
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[54] **SKIRT SYSTEM FOR A CONVEYOR**
[54] **SYSTEME DE JUPE POUR UN TRANSPORTEUR**
[72] WARNER, GRAHAM TREVOR, AU
[72] BELL, RONALD THOMAS, AU
[72] LLOYD, BRAD MICHAEL JOHN, AU
[71] CPC ENGINEERING PTY LTD, AU
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[51] **Int.Cl. A61N 2/04 (2006.01)**
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[54] **CANCER TREATMENT APPARATUS**
[54] **APPAREIL DE TRAITEMENT DU CANCER**
[72] ISHIKAWA, YOSHIHIRO, JP
[72] UMEMURA, MASANARI, JP
[72] AKIMOTO, TAISUKE, JP
[71] PUBLIC UNIVERSITY CORPORATION YOKOHAMA CITY UNIVERSITY, JP
[85] 2020-02-26
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[51] **Int.Cl. G02B 6/02 (2006.01)**
[25] EN
[54] **METHOD FOR SETTING HEATING CONDITION, METHOD FOR MANUFACTURING FIBER BRAGG GRATING, AND METHOD FOR MANUFACTURING FIBER LASER SYSTEM**
[54] **PROCEDE DE REGLAGE DE CONDITION DE CHAUFFAGE, PROCEDE DE FABRICATION DE RESEAU DE BRAGG SUR FIBRE ET PROCEDE DE FABRICATION D'UN SYSTEME DE LASER A FIBRE**
[72] FUNATSU, TOMOKI, JP
[72] OHMORI, KENICHI, JP
[71] FUJIKURA LTD., JP
[85] 2020-02-26
[86] 2018-07-31 (PCT/JP2018/028578)
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[51] **Int.Cl. C08F 220/06 (2006.01) B01F 17/52 (2006.01) C08L 33/02 (2006.01) C09K 3/00 (2006.01)**
[25] EN
[54] **ALKYL-MODIFIED CARBOXYL GROUP-CONTAINING COPOLYMER, THICKENER CONTAINING SAID COPOLYMER, AND METHOD FOR PREPARING SAID COPOLYMER**
[54] **COPOLYMERE CONTENANT UN GROUPE CARBOXYLE MODIFIE PAR ALKYLE, EPAISSISSANT CONTENANT LEDIT COPOLYMERE ET PROCEDE DE PREPARATION DUDIT COPOLYMERE**
[72] KIYOMOTO, RIE, JP
[72] NISHIGUCHI, SATOSHI, JP
[72] MURAKAMI, RYOSUKE, JP
[72] HASHIMOTO, NAOYUKI, JP
[71] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[85] 2020-02-26
[86] 2018-08-24 (PCT/JP2018/031290)
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[51] **Int.Cl. C23F 13/20 (2006.01) C25D 11/00 (2006.01)**
[25] EN
[54] **CATHODIC CORROSION PROTECTION WITH SOLAR PANEL**
[54] **PROTECTION CATHODIQUE CONTRE LA CORROSION AVEC PANNEAU SOLAIRE**
[72] WHITMORE, DAVID WILLIAM, CA
[71] WHITMORE, DAVID WILLIAM, CA
[85] 2020-02-27
[86] 2018-09-05 (PCT/CA2018/051066)
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[51] **Int.Cl. H04R 25/02 (2006.01) H04W 88/02 (2009.01) G10L 25/84 (2013.01)**
[25] EN
[54] **DEVICE AND METHOD FOR IMPROVING THE QUALITY OF IN-EAR MICROPHONE SIGNALS IN NOISY ENVIRONMENTS**
[54] **DISPOSITIF ET PROCEDE D'AMELIORATION DE LA QUALITE DE SIGNAUX DE MICROPHONE INTRA-AURICULAIRE DANS DES ENVIRONNEMENTS BRUYANTS**
[72] BOUSERHAL, RACHEL E., CA
[72] VOIX, JEREMIE, CA
[72] FALK, TIAGO H., CA
[71] EERS GLOBAL TECHNOLOGIES INC., CA
[85] 2019-11-05
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[51] **Int.Cl. B32B 27/08 (2006.01) B29C 48/16 (2019.01) B29C 55/12 (2006.01) B29C 71/02 (2006.01) B32B 33/00 (2006.01) B32B 37/06 (2006.01) B32B 7/03 (2019.01)**
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[54] **MULTI-LAYER FILMS AND METHODS OF MANUFACTURING THE SAME**
[54] **FILMS MULTICOUCHES ET LEURS PROCEDES DE FABRICATION**
[72] LEE, THOMAS R., US
[72] HOWELLS, SCOTT, US
[72] MEYER, JASON, US
[72] BRIGHT, RUSTY, US
[71] TRANSCONTINENTAL HOLDING CORP., US
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[51] **Int.Cl. G01N 33/569 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DETECTION OF T-CELLS EXPRESSING BTNL8**
[54] **DETECTION DE LYMPHOCYTES T EXPRIMANT BTNL8**
[72] HUTCHINSON, JAMES ALEXANDER, DE
[71] TRIZELL GMBH, DE
[85] 2020-02-27
[86] 2018-08-28 (PCT/EP2018/073124)
[87] (WO2019/042996)
[30] EP (17188204.6) 2017-08-28

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[13] A1
[51] **Int.Cl. A61K 31/4188 (2006.01) A61P 25/36 (2006.01)**
[25] EN
[54] **MAZINDOL TREATMENT FOR HEROIN DEPENDENCE AND SUBSTANCE USE DISORDER**
[54] **TRAITEMENT AU MAZINDOLE POUR UNE DEPENDANCE A L'HEROINE ET UN TROUBLE LIE A L'UTILISATION DE SUBSTANCES PSYCHOACTIVES**
[72] ZWYER, ALEXANDER C., CH
[71] NLS-1 PHARMA AG, CH
[85] 2020-02-27
[86] 2018-09-06 (PCT/IB2018/001138)
[87] (WO2019/058172)
[30] US (62/555,469) 2017-09-07

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[51] **Int.Cl. D04H 1/55 (2012.01) D04H 13/00 (2006.01)**
[25] EN
[54] **NONWOVEN FABRIC HAVING ENHANCED WITHDRAWAL FORCE FOR CARPET BACKING FABRIC AND PRODUCTION METHOD**
[54] **TISSU NON TISSE PRESENTANT UNE RESISTANCE A L'ARRACHEMENT AMELIOREE POUR TISSU DE SUPPORT DE MOQUETTE ET SON PROCEDE DE FABRICATION**
[72] JUNG, GYU-IN, KR
[72] LEE, MIN-HO, KR
[72] CHO, HEE-JUNG, KR
[72] PARK, YOUNG-SHIN, KR
[72] CHOI, WOO-SEOK, KR
[72] JANG, JUNG-SOON, KR
[71] KOLON INDUSTRIES, INC., KR
[85] 2020-02-26
[86] 2018-09-07 (PCT/KR2018/010475)
[87] (WO2019/059573)
[30] KR (10-2017-0122356) 2017-09-22

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[51] **Int.Cl. H01Q 1/38 (2006.01) H01Q 1/24 (2006.01)**
[25] EN
[54] **QUADRIFILAR HELICAL ANTENNA**
[54] **ANTENNE HELICOIDALE QUADRIFILAIRE**
[72] WU, WENPING, CN
[72] YIN, XIAOMING, CN
[72] WU, SHIWEI, CN
[72] ZHANG, JIE, CN
[71] HARXON CORPORATION, CN
[85] 2020-02-27
[86] 2017-10-11 (PCT/CN2017/105614)
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[30] CN (201721082788.0) 2017-08-28

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[51] **Int.Cl. C08J 3/12 (2006.01) A61F 6/04 (2006.01) C08F 36/08 (2006.01) C08L 9/00 (2006.01) C08L 19/00 (2006.01)**
[25] EN
[54] **ZIEGLER-NATTA CATALYZED POLYISOPRENE ARTICLES**
[54] **ARTICLES DE POLYISOPRENE CATALYSES PAR ZIEGLER-NATTA**
[72] NGUYEN, KC, US
[72] NGOWPRASERT, CHAYAPON, TH
[72] CHOO, CATHERINE TANG KUM, MY
[71] LIFESTYLES HEALTHCARE PTE. LTD., SG
[85] 2020-02-26
[86] 2018-08-30 (PCT/SG2018/050442)
[87] (WO2019/045651)
[30] US (62/552,859) 2017-08-31
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[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/439 (2006.01) A61P 25/30 (2006.01) C07D 401/10 (2006.01) C07D 413/14 (2006.01) C07D 417/06 (2006.01) C07D 417/10 (2006.01) C07D 417/14 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED 2-AZABICYCLO[3.1.1]HEPTANE AND 2-AZABICYCLO[3.2.1]OCTANE DERIVATIVES AS OREXIN RECEPTOR ANTAGONISTS**
[54] **DERIVES DE 2-AZABICYCLO[3.1.1]HEPTANE ET DE 2-AZABICYCLO[3.2.1]OCTANE SUBSTITUES EN TANT QU'ANTAGONISTES DU RECEPTEUR DE L'OREXINE**
[72] MICHELI, FABRIZIO, IT
[72] BERTANI, BARBARA, IT
[72] GIBSON, KARL RICHARD, GB
[72] DI FABIO, ROMANO, IT
[72] RAVEGLIA, LUCA, IT
[72] ZANALETTI, RICCARDO, IT
[72] CREMONESI, SUSANNA, IT
[72] POZZAN, ALFONSO, IT
[72] SEMERARO, TERESA, IT
[72] TARSI, LUCA, IT
[72] LUKER, TIMOTHY JON, GB
[71] CHRONOS THERAPEUTICS LIMITED, GB
[85] 2020-02-27
[86] 2018-08-31 (PCT/GB2018/052479)
[87] (WO2019/043407)
[30] GB (1714049.2) 2017-09-01
[30] GB (1804745.6) 2018-03-23

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[51] **Int.Cl. A63B 21/02 (2006.01) A63B 21/04 (2006.01) A63B 21/055 (2006.01) A63B 22/00 (2006.01) A63B 22/06 (2006.01)**
[25] EN
[54] **EXERCISE CASE WITH AN ADJUSTABLE RESISTANCE BAND SYSTEM**
[54] **MALLETTE D'EXERCICE DOTEE D'UN SYSTEME DE BANDES DE RESISTANCE AJUSTABLES**
[72] WEISZ, EVAN, US
[71] WEISZ, EVAN, US
[85] 2020-02-27
[86] 2018-09-01 (PCT/IB2018/056690)
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[13] A1
[51] **Int.Cl. C04B 22/00 (2006.01) C04B 14/04 (2006.01)**
[25] EN
[54] **ACCELERATING ADMIXTURE FOR HYDRAULIC COMPOSITIONS**
[54] **ADJUVANT ACCELERATEUR POUR COMPOSITIONS HYDRAULIQUES**
[72] FERRARI, GIORGIO, IT
[72] BROCCHI, ALBERTO, IT
[72] SQUINZI, MARCO, IT
[71] MAPEI SPA., IT
[85] 2020-02-27
[86] 2018-09-21 (PCT/IB2018/057284)
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[30] IT (102017000107064) 2017-09-25

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[51] **Int.Cl. A61B 3/00 (2006.01)**
[25] EN
[54] **FOOT PEDAL CONTROLLED OCT-DISPLAY FOR VITREORETINAL SURGERY**
[54] **AFFICHAGE OCT COMMANDE PAR LEVIER DE COMMANDE A PIED POUR CHIRURGIE VITREO-RETINIENNE**
[72] CHARLES, STEVEN T., US
[72] HEEREN, TAMMO, US
[71] ALCON INC., CH
[85] 2020-02-27
[86] 2018-10-23 (PCT/IB2018/058262)
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[30] US (62/577,773) 2017-10-27

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[13] A1
[51] **Int.Cl. H01L 39/24 (2006.01) G06N 99/00 (2019.01) H01P 11/00 (2006.01)**
[25] EN
[54] **QUANTUM INFORMATION PROCESSING DEVICE FORMATION**
[54] **FORMATION DE DISPOSITIF DE TRAITEMENT D'INFORMATIONS QUANTIQUES**
[72] MEGRANT, ANTHONY EDWARD, US
[71] GOOGLE LLC, US
[85] 2020-02-27
[86] 2017-12-07 (PCT/US2017/065017)
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[13] A1
[51] **Int.Cl. H01B 3/28 (2006.01) G02B 6/44 (2006.01)**
[25] EN
[54] **POLYMERIC COMPOSITIONS FOR OPTICAL FIBER CABLE COMPONENTS**
[54] **COMPOSITIONS POLYMERIQUES POUR COMPOSANTS DE CABLE A FIBRE OPTIQUE**
[72] TRAN, MICHAEL Q., US
[72] ESSEGHIR, MOHAMED, US
[71] ROHM AND HAAS COMPANY, US
[71] UNION CARBIDE CORPORATION, US
[85] 2020-02-27
[86] 2018-07-18 (PCT/US2018/042575)
[87] (WO2019/050627)
[30] US (62/554,771) 2017-09-06

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[13] A1
[51] **Int.Cl. C12P 7/08 (2006.01) C12G 3/02 (2019.01) C12N 9/24 (2006.01) C12P 7/10 (2006.01)**
[25] EN
[54] **PRODUCTION OF BIOFUELS, BIOCHEMICALS, AND MICROBIAL BIOMASS FROM CELLULOSIC PULP**
[54] **PRODUCTION DE BIOCARBURANTS, DE PRODUITS BIOCHIMIQUES ET D'UNE BIOMASSE MICROBIENNE A PARTIR DE PATE CELLULOSIQUE**
[72] NARENDRANATH, NEELAKANTAM, US
[71] DOMTAR PAPER COMPANY, LLC, US
[85] 2020-02-27
[86] 2018-08-28 (PCT/US2018/048354)
[87] (WO2019/046308)
[30] US (62/551,458) 2017-08-29

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[13] A1
[51] **Int.Cl. C07C 1/28 (2006.01) C07C 13/36 (2006.01) C07C 13/605 (2006.01) C07C 45/45 (2006.01) C07C 49/323 (2006.01) C07D 209/08 (2006.01) C07D 209/14 (2006.01)**
[25] EN
[54] **CONTINUOUS FLOW PROCESSES FOR MAKING BICYCLIC COMPOUNDS**
[54] **PROCEDES A FLUX CONTINU POUR LA FABRICATION DE COMPOSES BICYCLIQUES**
[72] PINCHMAN, JOSEPH ROBERT, US
[72] BUNKER, KEVIN DUANE, US
[72] BIO, MATTHEW M., US
[72] BREEN, CHRISTOPHER, US
[72] CLAUSEN, ANDREW M., US
[72] FANG, YUANQING, US
[72] LI, HUI, US
[72] SHEERAN, JILLIAN W., US
[71] RECURIUM IP HOLDINGS, LLC, US
[85] 2020-02-26
[86] 2018-09-06 (PCT/US2018/049680)
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[30] US (62/556,897) 2017-09-11

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[13] A1
[51] **Int.Cl. B05D 7/24 (2006.01) C09D 7/43 (2018.01) C09D 7/45 (2018.01) C09D 7/61 (2018.01) B05D 1/02 (2006.01) C09D 125/14 (2006.01) C09D 131/04 (2006.01) E04B 9/04 (2006.01)**
[25] EN
[54] **HIGH SOLIDS COATINGS FOR BUILDING PANELS**
[54] **REVETEMENTS A TENEUR ELEVEE EN MATIERES SOLIDES POUR PANNEAUX DE CONSTRUCTION**
[72] HUGHES, JOHN E,, US
[72] MASIA, STEVEN L., US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[85] 2020-02-27
[86] 2018-08-28 (PCT/US2018/048222)
[87] (WO2019/046226)
[30] US (62/551,514) 2017-08-29
[30] US (62/694,550) 2018-07-06

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[51] **Int.Cl. C12P 7/42 (2006.01) C12M 1/00 (2006.01) C12N 1/15 (2006.01) C12N 1/19 (2006.01) C12N 1/21 (2006.01) C12N 9/02 (2006.01) C12N 9/04 (2006.01) C12N 15/53 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **PRODUCTION OF GLYCOLATE FROM ETHYLENE GLYCOL AND RELATED MICROBIAL ENGINEERING**
[54] **PRODUCTION DE GLYCOLATE A PARTIR D'ETHYLENE GLYCOL ET INGENIERIE MICROBIENNE ASSOCIEE**
[72] PANDIT, ADITYA VIKRAM, CA
[72] MAHADEVAN, RADHAKRISHNAN, CA
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
[85] 2020-02-26
[86] 2018-09-06 (PCT/CA2018/051081)
[87] (WO2019/046946)
[30] US (62/555,431) 2017-09-07
[30] US (62/597,510) 2017-12-12

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[13] A1
[51] **Int.Cl. C07K 14/005 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **A VACCINE FOR USE IN THE PROPHYLAXIS AND/OR TREATMENT OF A DISEASE**
[54] **VACCIN A UTILISER DANS LA PROPHYLAXIE ET/OU LE TRAITEMENT D'UNE MALADIE**
[72] HOLST, PETER, DK
[72] THIRION, CHRISTIAN, DE
[72] NEUKIRCH, LASSE, DE
[71] INPROTHER APS, DK
[85] 2020-02-26
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[87] (WO2019/043127)
[30] DK (PA 2017 70659) 2017-09-01

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[13] A1
[51] **Int.Cl. B29C 44/34 (2006.01) B29C 43/52 (2006.01) B29C 44/56 (2006.01) B29C 51/26 (2006.01)**
[25] EN
[54] **AUXETIC POLYURETHANE AND MELAMINE FOAMS BY TRIAXIAL COMPRESSION**
[54] **MOUSSES AUXETIQUES DE POLYURETHANE ET DE MELAMINE PAR COMPRESSION TRIAXIALE**
[72] RICHTER, SEBASTIAN, DE
[72] BESSER, ACHIM, DE
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[54] **PROCEDE ET SYSTEME DE MISE EN RESEAU ET DE CONTROLE BASES SUR UN REFRIGERATEUR INTELLIGENT, ET REFRIGERATEUR INTELLIGENT**
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[72] CHEN, HAILEI, CN
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[54] **GROSSEUR DE PARTICULE DE SILICE SPHERIQUE POUR LA REGULATION DE LA RDA**
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[72] NASSIVERA, TERRY W., US
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[71] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US
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[54] **POUDRES DE POLYMERE BIOCOMPATIBLE POUR FABRICATION ADDITIVE**
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[72] NIKOUKAR, MOHAMMAD, US
[72] ACREMAN, KEVIN, US
[72] SHAH, MILIN, US
[72] TICE, TOM, US
[72] PATEL, HARSH, US
[72] KARAU, ANDREAS, DE
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[54] **ELEMENT SPHERIQUE POUR VANNE ROTATIVE ET SON PROCEDE DE FABRICATION**
[72] JABLONSKI, JASON DIRK, US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **DISPOSITIFS DE REGULATION DE FLUIDE ET LEURS PROCEDES D'UTILISATION**
[72] BULLINGTON, GREGORY J., US
[72] MIAZGA, JAY M., US
[72] GAW, SHAN E., US
[72] RAMSEY, TIMOTHY F., US
[71] MAGNOLIA MEDICAL TECHNOLOGIES, INC., US
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[54] **PROCEDES DE DETECTION DE POLYPES**
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[72] NGUYEN, GIAU, US
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[72] CAMPANELLA, GABRIELE, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
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[54] **APPAREIL DE SUPPORT DE MONTAGE POUR AMPLIFIER DES INTENSITES DE CHAMP ELECTROMAGNETIQUE ASSOCIEES A DES ETIQUETTES RFID POUVANT ETRE MONTEES**
[72] JUNK, KENNETH WILLIAM, US
[72] JELKEN, SHANNON E., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
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[54] **APPAREIL DE CELLULE A FLUX OPTIQUE ET PROCEDE DE REDUCTION DE LA DEFLEXION D'UNE CHAMBRE A ECHANTILLON**
[72] BOSY, BRIAN JOSEPH, US
[72] KERIMO, JOSEF, US
[71] INSTRUMENTATION LABORATORY COMPANY, US
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[54] **NOUVEAUX MODULATEURS DU RECEPTEUR DE L'ACIDE GAMMA-AMINOBUTYRIQUE DE TYPE A DESTINES AUX TROUBLES DE L'HUMEUR**
[72] THOMPSON, SCOTT, US
[72] VAN DYKE, ADAM, US
[72] THOMAS, CRAIG, US
[72] MORRIS, PATRICK, US
[71] UNIVERSITY OF MARYLAND, BALTIMORE, US
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[54] **ANTICORPS ANTI-TM4SF1 ET LEURS PROCEDES D'UTILISATION**
[72] JAMINET, PAUL A., US
[72] JAMINET, SHOU-CHING S., US
[72] DVORAK, HAROLD F., US
[72] PRESTA, LEONARD G., US
[71] ANGIEX, INC., US
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[54] **ACTIVATABLE ANTI-CD166 ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-CD166 ACTIVABLES, ET LEURS PROCEDES D'UTILISATION**
[72] CARMAN, LORI, US
[72] HUMPHREY, RACHEL, US
[72] KAVANAUGH, W. MICHAEL, US
[72] TERRETT, JONATHAN, US
[72] WEAVER, ANNIE YANG, US
[72] WILL, MATTHIAS, US
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[54] **NANOSTRUCTURES ARN ET METHODES DE FABRICATION ET D'UTILISATION DE NANOSTRUCTURES ARN**
[72] YAN, HAO, US
[72] CHANG, YUNG, US
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[54] **DISPOSITIFS ET PROCEDES D'ASSAINISSEMENT D'EAUX SOUTERRAINES**
[72] THOMAS, DAVID G., AU
[72] KAMATH, ROOPA, US
[72] DANIELS, ERIC, US
[72] REYNOLDS, DAVID A., CA
[71] CHEVRON U.S.A. INC., US
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[54] **SYSTEME DE MESURE ET PROCEDE D'ETALONNAGE AVEC MODULATION A LARGE BANDE**
[72] SIMPSON, GARY R., US
[72] PADMANABHAN, SATHYA, US
[72] DUDKIEWICZ, STEVEN M., US
[72] BUBER, M. TEKAMUL, US
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[71] MAURY MICROWAVE, INC., US
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[54] **DISTRIBUTEUR MODULAIRE**
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[72] BOUKIDJIAN, GREGOIRE, US
[71] DIGNITY HEALTH, US
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[71] MOOG INC., US
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[54] **CAPTEUR DE GARDE MULTI-GHZ POUR DETECTION D'INTRUSIONS PHYSIQUES OU ELECTROMAGNETIQUES DANS UNE REGION GARDEE**
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[72] HOFFMAN, JOHN, US
[71] RAYTHEON COMPANY, US
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[54] **PEPTIDE DERIVE DE KIF13B ET PROCEDE D'INHIBITION DE L'ANGIOGENESE**
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[72] MALIK, ASRAR, US
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[54] **FABRICATION D'UN DISPOSITIF A L'AIDE D'UN EMPILEMENT MULTICOUCHE**
[72] MEGRANT, ANTHONY EDWARD, US
[71] GOOGLE LLC, US
[85] 2020-02-27
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[54] **BOOTSTRAP ACCUMULATOR CONTAINING INTEGRATED BYPASS VALVE**
[54] **ACCUMULATEUR D'AMORCAGE CONTENANT UNE SOUPAPE DE DERIVATION INTEGREE**
[72] MILLER, KIRK A., US
[71] RAYTHEON COMPANY, US
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[54] **APPARATUS AND METHOD FOR PREVENTING USE OF A MOBILE DEVICE WHILE OPERATING A VEHICLE**
[54] **APPAREIL ET PROCEDE POUR EMPECHER L'UTILISATION D'UN DISPOSITIF MOBILE PENDANT LE FONCTIONNEMENT D'UN VEHICULE**
[72] POULAIN, ALAIN, CA
[72] POULAIN, JOSH, CA
[71] DRIVECARE TECHNOLOGIES INC., CA
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[54] **MECANISME D'OUVERTURE/FERMETURE SELECTIVE D'UNE OUVERTURE D'ENTREE DE SOUFFLANTE D'AIR**
[72] BELANGER, MICHAEL J., US
[72] TURNER, BARRY S., US
[72] TOGNETTI, DAVID L., US
[71] WASHME PROPERTIES, LLC, US
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[54] **PANNEAU ET PROCEDE DE FABRICATION D'UN PANNEAU**
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[54] **FGL2 ANTIBODIES AND BINDING FRAGMENTS THEREOF AND USES THEREOF**
[54] **ANTICORPS FGL2 ET FRAGMENTS DE LIAISON DE CEUX-CI ET LEURS UTILISATIONS**
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[72] KHATTAR, RAMZI, CA
[72] CHRUSCINSKI, ANDRZEJ, CA
[72] VANDERHYDEN, BARBARA, CA
[72] MCCLOSKEY, CURTIS, CA
[71] VERITAS THERAPEUTICS INC., CA
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[54] **PROCEDE D'ENCODAGE ET DE CODAGE D'INFORMATIONS DE MODE, DISPOSITIF CORRESPONDANT ET APPAREIL ELECTRONIQUE**
[72] XU, ZHANGLEI, CN
[72] ZHU, JIANQING, CN
[71] FUJITSU LIMITED, JP
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[54] **POLYPEPTIDE ET ANTICORPS LIE A UN POLYPEPTIDE**
[72] CAI, XIUMEI, CN
[72] DAI, RUPING, CN
[72] WANG, HUAMAO, CN
[71] SHANGHAI YILE BIOTECHNOLOGY CO., LTD., CN
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[51] **Int.Cl. A61F 7/12 (2006.01) A61B 5/00 (2006.01) A61B 5/0408 (2006.01) A61F 7/00 (2006.01) A61N 1/362 (2006.01)**
[25] EN
[54] **HEAT EXCHANGE AND TEMPERATURE SENSING DEVICE AND METHOD OF USE**
[54] **DISPOSITIF D'ECHANGE DE CHALEUR ET DE DETECTION DE TEMPERATURE, ET PROCEDE D'UTILISATION**
[72] HARTLEY, AMANDA, CA
[72] DAVIES, GARETH, CA
[72] CENTAZZO-COLELLA, AMANDA, CA
[72] YANG, NOAH NUOXU, CA
[72] AVARI, HAMED, CA
[72] AL-SAFFAR, YASIR, CA
[72] SHAH, KISHAN, CA
[72] HERBERT-COPLEY, ANDREW, CA
[72] WIERZBICKI, RAMUNAS, CA
[72] GERBER, DMITRY, CA
[71] BAYLIS MEDICAL COMPANY INC., CA
[85] 2020-02-07
[86] 2018-08-10 (PCT/IB2018/056059)
[87] (WO2019/030733)
[30] US (62/543,635) 2017-08-10

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[25] EN
[54] **NOVEL ANTI-CD3EPSILON ANTIBODIES**
[54] **NOUVEAUX ANTICORPS ANTI-CD3EPSILON**
[72] LI, JING, CN
[72] MEI, QIN, CN
[71] WUXI BIOLOGICS IRELAND LIMITED, IE
[85] 2020-02-26
[86] 2018-09-20 (PCT/CN2018/106618)
[87] (WO2019/057099)
[30] CN (PCT/CN2017/102622) 2017-09-21

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[51] **Int.Cl. A61H 23/02 (2006.01) A61F 13/02 (2006.01) A61H 7/00 (2006.01) A61H 11/00 (2006.01)**
[25] EN
[54] **THERAPY TAPE TO AID PATIENT RECOVERY**
[54] **BANDE DE THERAPIE POUR FACILITER LA RECUPERATION D'UN PATIENT**
[72] HIETANEN, SARI JOHANNA, FI
[72] TASKINEN, LEO TAPANI, FI
[71] 6D TAPE OY, FI
[85] 2020-02-27
[86] 2017-10-18 (PCT/EP2017/076547)
[87] (WO2018/073280)
[30] US (15/297,410) 2016-10-19

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[51] **Int.Cl. A61K 31/4985 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITIONS FOR IRE1 INHIBITION**
[54] **COMPOSES ET COMPOSITIONS POUR L'INHIBITION DE IRE1**
[72] KEENAN, RICHARD M., US
[72] BACKES, BRADLEY J., US
[72] MALY, DUSTIN J., US
[72] REYNOLDS, CHARLES, US
[72] WHITTAKER, BEN, US
[72] KNIGHT, JAMIE, US
[72] SUTTON, JON, US
[72] HYND, GEORGE, US
[72] PAPA, FEROZ R., US
[72] OAKES, SCOTT A., US
[71] OPTIKIRA LLC, US
[85] 2020-02-26
[86] 2018-08-31 (PCT/US2018/049081)
[87] (WO2019/046711)
[30] US (62/553,320) 2017-09-01

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[51] **Int.Cl. H04N 5/353 (2011.01) G06K 7/10 (2006.01) H04N 5/235 (2006.01)**
[25] EN
[54] **METHOD OF IMAGE ACQUISITION BY AN IMAGE SENSOR OF CMOS TYPE FOR THE RECOGNITION OF OPTICALLY READABLE CODE**
[54] **PROCEDE D'ACQUISITION D'IMAGE PAR UN CAPTEUR D'IMAGE DE TYPE CMOS POUR LA RECONNAISSANCE DE CODE LISIBLE OPTIQUEMENT**
[72] LIGOZAT, THIERRY, FR
[72] DIASPARRA, BRUNO, FR
[72] GESSET, STEPHANE, FR
[72] POWELL, GARETH, FR
[71] TELEDYNE E2V SEMICONDUCTORS SAS, FR
[85] 2020-02-27
[86] 2018-08-24 (PCT/EP2018/072898)
[87] (WO2019/042890)
[30] FR (1758086) 2017-09-01

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[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **AN AUTOMATED STORAGE AND RETRIEVAL SYSTEM**
[54] **SYSTEME AUTOMATISE DE STOCKAGE ET DE RECUPERATION**
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2020-02-27
[86] 2018-08-27 (PCT/EP2018/072968)
[87] (WO2019/081092)
[30] NO (20171698) 2017-10-24

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[51] **Int.Cl. G05B 19/042 (2006.01) F24F 11/54 (2018.01) E06B 9/24 (2006.01) G05D 23/19 (2006.01) H04L 12/28 (2006.01)**
[25] EN
[54] **DISTRIBUTIVELY CONTROLLED OPERATING DEVICE SYSTEM**
[54] **SYSTEME DE DISPOSITIFS D'EXPLOITATION A COMMANDE REPARTIE**
[72] RIMMER, JULIAN, GB
[72] HIEBERT, JORDAN, GB
[72] RATCLIFFE, SARAH ALICE, GB
[72] EVERDING, PHILIPP FRIEDRICH, GB
[72] RIMMER, AINSLIE, GB
[71] PRICE INDUSTRIES LIMITED, CA
[85] 2020-02-26
[86] 2018-09-21 (PCT/CA2018/000176)
[87] (WO2019/056086)
[30] US (62/561,376) 2017-09-21

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 9/18 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INVENTORY AND ORDER MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION D'INVENTAIRE ET DE COMMANDE**
[72] POULIN, MAURICE, CA
[71] LOGICIELS D'AUTOMATISATION MP INC., CA
[85] 2020-02-25
[86] 2018-08-14 (PCT/CA2018/000150)
[87] (WO2019/060981)
[30] US (62/563,265) 2017-09-26

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[51] **Int.Cl. A01H 1/02 (2006.01) A01H 6/46 (2018.01) A01H 1/06 (2006.01) A01H 1/08 (2006.01)**
[25] EN
[54] **IMPROVED BLUE ALEURONE AND OTHER SEGREGATION SYSTEMS**
[54] **ALEURONE BLEUE AMELIOREE ET AUTRES SYSTEMES DE SEGREGATION**
[72] TRETHOWAN, RICHARD, AU
[72] DONG, CHONG MEI, AU
[72] LAGE, JACOB, GB
[72] BIRD, NICHOLAS, GB
[72] TAPSELL, CHRISTOPHER, GB
[72] HUMMEL, AARON, US
[72] DARVEY, NORMAN (DECEASED), GB
[72] ZHANG, PENG, GB
[71] KWS SAAT SE & CO. KGAA, DE
[71] THE UNIVERSITY OF SYDNEY, AU
[71] GLOBAL CROP INNOVATIONS PTY. LTD., AU
[85] 2020-02-27
[86] 2018-08-29 (PCT/EP2018/073282)
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[30] US (62/551,599) 2017-08-29
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[51] **Int.Cl. G01V 1/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ASSESSING THE PRESENCE OF HYDROCARBONS IN A SUBTERRANEAN RESERVOIR BASED ON TIME-LAPSE SEISMIC DATA**
[54] **SYSTEME ET PROCEDE D'EVALUATION DE LA PRESENCE D'HYDROCARBURES DANS UN RESERVOIR SOUTERRAIN SUR LA BASE DE DONNEES SISMIQUES REPETEES**
[72] MAGILL, JAMES R., US
[72] BARTEL, DAVID C., US
[71] CHEVRON U.S.A. INC., US
[85] 2020-02-27
[86] 2018-06-07 (PCT/IB2018/054076)
[87] (WO2019/081990)
[30] US (15/794,058) 2017-10-26

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[51] **Int.Cl. H02J 3/36 (2006.01)**
[25] EN
[54] **DIRECT CURRENT VOLTAGE COORDINATION CONTROL METHOD**
[54] **PROCEDE DE COMMANDE DE COORDINATION DE TENSION CONTINUE**
[72] WANG, NANNAN, CN
[72] LU, YU, CN
[72] DONG, YUNLONG, CN
[72] TIAN, JIE, CN
[72] CAO, DONGMING, CN
[72] LI, HAIYING, CN
[72] JIANG, CHONGXUE, CN
[72] WANG, JIACHENG, CN
[71] NR ELECTRIC CO., LTD, CN
[71] NR ENGINEERING CO., LTD., CN
[85] 2020-02-26
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[87] (WO2019/047546)
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[51] **Int.Cl. C07D 257/02 (2006.01) A61K 49/10 (2006.01)**
[25] EN
[54] **GADOBUTROL INTERMEDIATE AND GADOBUTROL PRODUCTION METHOD USING SAME**
[54] **INTERMEDIAIRE DE GADOBUTROL ET PROCEDE DE PRODUCTION DE GADOBUTROL L'UTILISANT**
[72] LEE, JAE YONG, KR
[72] LEE, JONG SOO, KR
[72] KANG, BYUNG KYU, KR
[72] LEE, SANG OH, KR
[72] LEE, BYUONG WOO, KR
[72] YUN, DAE MYOUNG, KR
[72] BANG, JAE HUN, KR
[72] CHOI, KYUNG SEOK, KR
[71] ENZYCHEM LIFESCIENCES CORPORATION, KR
[85] 2020-02-26
[86] 2018-08-29 (PCT/KR2018/009956)
[87] (WO2019/045436)
[30] KR (10-2017-0109677) 2017-08-29

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[25] EN
[54] **CELL CULTURE PLATE, DEVICES AND METHODS FOR IN VITRO EXPOSURE**
[54] **PLAQUE DE CULTURE CELLULAIRE, DISPOSITIFS ET PROCEDES D'EXPOSITION IN VITRO**
[72] BOVARD, DAVID, CH
[72] HOENG, JULIA, CH
[72] MAJEED, SHOAIB, CH
[72] SANDOZ, ANTONIN, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2020-02-27
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[30] EP (17188871.2) 2017-08-31
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[54] **SUBSTITUTED IMIDAZOQUINOLINES**
[54] **IMIDAZOQUINOLINES SUBSTITUEES**
[72] HENRY, CHRISTOPHE, DE
[71] BIONTECH SE, DE
[85] 2020-02-27
[86] 2018-08-31 (PCT/EP2018/073470)
[87] (WO2019/048350)
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[25] EN
[54] **METHOD FOR TREATING TNF.ALPHA.-RELATED DISEASES**
[54] **METHODE DE TRAITEMENT D'UNE MALADIE LIEE AU TNF.ALPHA.**
[72] KIM, SUN JUNG, KR
[72] SUH, JEE HYE, KR
[72] AN, HYUN CHUL, KR
[72] LEE, SUNG YOUNG, KR
[71] CELLTRION INC., KR
[85] 2020-02-26
[86] 2018-08-29 (PCT/KR2018/009998)
[87] (WO2019/045452)
[30] KR (10-2017-0110426) 2017-08-30
[30] KR (10-2017-0144521) 2017-11-01
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[51] **Int.Cl. G01R 19/12 (2006.01) G01R 19/252 (2006.01)**
[25] EN
[54] **TESTING AND CALIBRATION OF A CIRCUIT ARRANGEMENT**
[54] **TEST ET ETALONNAGE D'UN AGENCEMENT DE CIRCUIT**
[72] NIEMEYER, AXEL, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2020-02-27
[86] 2018-09-27 (PCT/EP2018/076209)
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[51] **Int.Cl. C08L 33/02 (2006.01) C08F 220/04 (2006.01) C08K 5/10 (2006.01)**
[25] EN
[54] **CARBOXYL GROUP-CONTAINING POLYMER COMPOSITION AND METHOD FOR PRODUCING SAME**
[54] **COMPOSITION DE POLYMERE CONTENANT UN GROUPE CARBOXYLE ET SON PROCEDE DE PRODUCTION**
[72] NISHIGUCHI, SATOSHI, JP
[72] MURAKAMI, RYOSUKE, JP
[72] KIYOMOTO, RIE, JP
[72] HASHIMOTO, NAOYUKI, JP
[71] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[85] 2020-02-27
[86] 2018-08-24 (PCT/JP2018/031291)
[87] (WO2019/044680)
[30] JP (2017-165400) 2017-08-30

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[51] **Int.Cl. B27D 5/00 (2006.01) B27M 3/18 (2006.01) B65H 19/12 (2006.01) B65H 49/32 (2006.01) B65H 75/24 (2006.01) B65H 75/34 (2006.01)**
[25] EN
[54] **EDGE TAPE CASSETTE FOR EDGE TAPES**
[54] **CASSETTE D'ALAISE EMBREVEE POUR ALAISE EMBREVEES**
[72] HAMPEL, THOMAS, DE
[72] HUSENER, STEFAN, DE
[72] KOTTKAMP, TIM, DE
[72] SEIFERT, UWE, DE
[71] IMA SCHELLING DEUTSCHLAND GMBH, DE
[85] 2020-02-27
[86] 2018-10-18 (PCT/EP2018/078541)
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[30] DE (10 2017 125 039.5) 2017-10-26

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[51] **Int.Cl. A47G 25/50 (2006.01) A47G 25/48 (2006.01)**
[25] EN
[54] **GARMENT HANGER**
[54] **DISPOSITIF DE SUSPENSION DE VETEMENT**
[72] TAYLOR, GUY, GB
[72] O'SULLIVAN, MARK, GB
[71] THE JANGER LIMITED, GB
[85] 2020-02-27
[86] 2018-02-05 (PCT/GB2018/050324)
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[51] **Int.Cl. C07C 39/23 (2006.01) C07C 13/21 (2006.01) C07C 35/17 (2006.01) C07C 37/16 (2006.01) C07D 487/08 (2006.01)**
[25] EN
[54] **SYNTHETIC CANNABIDIOL COMPOSITIONS AND METHODS OF MAKING THE SAME**
[54] **COMPOSITIONS DE CANNABIDIOL SYNTHETIQUES ET LEURS PROCEDES DE FABRICATION**
[72] BENCIVENGA, MARC, US
[72] FORSTER, MATTHEW, US
[72] HERRINTON, PAUL, US
[72] JASS, PAUL, US
[72] SINGH, SURENDRA, US
[72] ZAHN, TODD, US
[71] PUREFORM GLOBAL, INC., US
[85] 2020-02-26
[86] 2018-08-31 (PCT/US2018/049248)
[87] (WO2019/046806)
[30] US (62/553,739) 2017-09-01

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[51] **Int.Cl. A44B 11/25 (2006.01)**
[25] EN
[54] **CONNECTOR**
[54] **CONNECTEUR**
[72] MELLING, PHILIP, GB
[71] LODE GROUP LIMITED, GB
[85] 2020-02-27
[86] 2018-08-28 (PCT/GB2018/052419)
[87] (WO2019/043365)
[30] GB (1713915.5) 2017-08-30

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[51] **Int.Cl. C08L 15/00 (2006.01) B60C 1/00 (2006.01) B60C 15/06 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01)**
[25] EN
[54] **TIRE RUBBER COMPOSITIONS**
[54] **COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE**
[72] KANBARA, HIROSHI, JP
[72] KODA, DAISUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2020-02-27
[86] 2018-08-29 (PCT/JP2018/031912)
[87] (WO2019/044889)
[30] JP (2017-168625) 2017-09-01
[30] JP (2018-040834) 2018-03-07

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[51] **Int.Cl. G01N 33/53 (2006.01) C07K 7/06 (2006.01) C07K 14/00 (2006.01) C12Q 1/00 (2006.01)**
[25] EN
[54] **SENSOR**
[54] **CAPTEUR**
[72] WOOLFSON, DEREK NEIL, GB
[72] DAWSON, WILLIAM MICHAEL, GB
[72] RHYS, GUTO GLYN, GB
[72] SCOTT, DAVID ARNE, GB
[72] FLETCHER, JORDAN MICHAEL, GB
[72] WOOD, CHRISTOPHER ROBIN WELLS, GB
[71] THE UNIVERSITY OF BRISTOL, GB
[85] 2020-02-27
[86] 2018-09-06 (PCT/GB2018/052521)
[87] (WO2019/048859)
[30] GB (1714478.3) 2017-09-08

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[51] **Int.Cl. B01J 20/24 (2006.01) B09C 1/08 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **AN ADSORBENT**
[54] **ADSORBANT**
[72] TURNER, BRETT, AU
[71] THE UNIVERSITY OF NEWCASTLE, AU
[85] 2020-02-27
[86] 2018-08-28 (PCT/AU2018/050916)
[87] (WO2019/040979)
[30] AU (2017903465) 2017-08-28

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[51] **Int.Cl. A61G 13/00 (2006.01) A61G 5/00 (2006.01) A61G 13/02 (2006.01) A61G 13/04 (2006.01) A61G 13/06 (2006.01) A61G 13/08 (2006.01)**
[25] EN
[54] **SYSTEM, APPARATUS AND METHOD FOR SUPPORTING AND/OR POSITIONING A PATIENT BEFORE, DURING, OR AFTER A MEDICAL PROCEDURE**
[54] **SYSTEME, APPAREIL ET PROCEDE DE SUPPORT ET/OU DE POSITIONNEMENT D'UN PATIENT AVANT, PENDANT OU APRES UN ACTE MEDICAL**
[72] HOEL, STEPHEN, US
[72] WAGNER, PETER, US
[72] HIRTH, GREGORY, US
[72] LADD, CHARLES, US
[71] MIZUHO ORTHOPEDIC SYSTEMS, INC., US
[85] 2019-11-29
[86] 2018-05-29 (PCT/US2018/034830)
[87] (WO2018/222564)
[30] US (15/610,486) 2017-05-31

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[51] **Int.Cl. C08L 9/06 (2006.01) B60C 1/00 (2006.01) B60C 15/06 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08L 15/00 (2006.01)**
[25] EN
[54] **HIGH-GRIP TIRE RUBBER COMPOSITIONS**
[54] **COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE ANTIDERAPANT**
[72] KANBARA, HIROSHI, JP
[72] KODA, DAISUKE, JP
[72] UEHARA, YOSUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2020-02-27
[86] 2018-08-29 (PCT/JP2018/031914)
[87] (WO2019/044891)
[30] JP (2017-168627) 2017-09-01

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[13] A1
[51] **Int.Cl. G01N 33/02 (2006.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING CONDITIONS OF ORGANIC PRODUCTS**
[54] **SYSTEME ET PROCEDE POUR SURVEILLER DES ETATS DE PRODUITS ORGANIQUES**
[72] KOREN, DAVID, IL
[72] KEREM, ZOHAR, IL
[72] NAALI, ADI, IL
[71] SUSTAINIO LTD., IL
[85] 2020-02-27
[86] 2018-08-29 (PCT/IL2018/050953)
[87] (WO2019/043703)
[30] IL (254235) 2017-08-31

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[51] **Int.Cl. D06M 15/277 (2006.01) A41D 31/00 (2019.01) D06M 15/333 (2006.01) D06M 15/423 (2006.01)**
[25] EN
[54] **SOIL RESISTANT FIBER STRUCTURE**
[54] **STRUCTURE A FIBRES A L'EPREUVE DES TACHES**
[72] TAKESHITA, SHOTA, JP
[72] TAKEDA, KEIJI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-02-27
[86] 2018-10-04 (PCT/JP2018/037209)
[87] (WO2019/073898)
[30] JP (2017-197318) 2017-10-11

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[51] **Int.Cl. A61B 1/00 (2006.01) G02B 23/24 (2006.01)**
[25] EN
[54] **ENDOSCOPE HOOD REMOVAL TOOL AND SET OF HOOD AND HOOD REMOVAL TOOL**
[54] **OUTIL DE RETRAIT DE CAPOT D'ENDOSCOPE ET ENSEMBLE D'OUTIL DE CAPOT ET DE RETRAIT DE CAPOT**
[72] SUGITA, NORIYUKI, JP
[71] HOYA CORPORATION, JP
[85] 2020-02-27
[86] 2018-11-02 (PCT/JP2018/040856)
[87] (WO2019/093240)
[30] JP (2017-218462) 2017-11-13

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[13] A1
[51] **Int.Cl. G08G 1/16 (2006.01) B60R 21/00 (2006.01) B60W 30/10 (2006.01)**
[25] EN
[54] **TRAVEL CONTROL METHOD AND TRAVEL CONTROL DEVICE FOR DRIVE-ASSISTED VEHICLE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE DEPLACEMENT POUR VEHICULE D'AIDE A LA CONDUITE**
[72] FUKUSHIGE, TAKASHI, JP
[72] TANGE, SATOSHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2020-02-27
[86] 2017-08-30 (PCT/JP2017/031167)
[87] (WO2019/043832)

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR NETWORKED SCHEDULING FOR IMPROVED SPECTRAL EFFICIENCY**
[54] **SYSTEME ET PROCEDE DE PLANIFICATION DE RESEAU POUR UNE EFFICACITE SPECTRALE AMELIOREE**
[72] RAVISHANKAR, CHANNASANDRA, US
[72] HUANG, XIAOLING, US
[72] BENAMMAR, NASSIR, US
[72] GOPAL, RAJEEV, US
[72] CORRIGAN, JOHN, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
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[54] **ECOMMERCE SYSTEMS AND METHODS FOR PURCHASING GIFTS AND PARTS OF GIFTS USING CROWDFUNDING METHODOLOGIES AND SOCIAL MEDIA PLATFORMS**
[54] **SYSTEMES ET PROCEDES DE COMMERCE ELECTRONIQUE PERMETTANT D'ACHETER DES CADEAUX ET DES PARTIES DE CADEAUX A L'AIDE DE METHODOLOGIES DE FINANCEMENT PARTICIPATIF ET DE PLATES-FORMESDE MEDIA SOCIAL**
[72] PEDROSO, FILIPE, US
[72] PEDROSO, LIANA, V., US
[71] PEDROSO, FILIPE, US
[71] PEDROSO, LIANA, V., US
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[87] (WO2019/046137)
[30] US (62/550,639) 2017-08-27
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[54] **IMPROVEMENTS IN IGF-1 ANALYSIS, ADJUSTMENT AND DISEASE MANAGEMENT OF NON-NEUROLOGICAL AND/OR NEUROLOGICAL CONDITIONS**
[54] **AMELIORATIONS DE L'ANALYSE D'IGF-1, DE L'AJUSTEMENT ET DE LA GESTION DE MALADIE D'ETATS NON NEUROLOGIQUES ET/OU NEUROLOGIQUES**
[72] GUAN, JIAN, NZ
[71] VITALITY WELLNESS (NZ) LIMITED, NZ
[85] 2020-02-27
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[87] (WO2019/045575)
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[54] **NON-SOLVENT DENTAL ADHESIVE COMPOSITION**
[54] **COMPOSITION ADHESIVE SANS SOLVANT A USAGE DENTAIRE**
[72] NOJIRI, YAMATO, JP
[72] KAWASHIMA, MITSUNOBU, JP
[72] MATSUURA, RYO, JP
[72] MURAYAMA, RYOTA, JP
[71] KURARAY NORITAKE DENTAL INC., JP
[85] 2020-02-27
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[54] **SYSTEMS AND METHODS FOR COMMUNICATING ABOUT PRODUCTS USING UNIQUE IDENTIFIERS AND SOCIAL MEDIA**
[54] **SYSTEMES ET PROCEDES DE COMMUNICATION CONCERNANT DES PRODUITS A L'AIDE D'IDENTIFIANTS UNIQUES ET DE MEDIAS SOCIAUX**
[72] PEDROSO, FILIPE, US
[72] PEDROSO, LIANA V., US
[71] PEDROSO, FILIPE, US
[71] PEDROSO, LIANA V., US
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[54] **RECHARGEABLE BATTERY JUMP STARTING DEVICE AND RECHARGEABLE BATTERY ASSEMBLY**
[54] **DISPOSITIF DE DEMARRAGE DE SECOURS DE BATTERIE RECHARGEABLE ET ENSEMBLE BATTERIE RECHARGEABLE**
[72] NOOK, JONATHAN LEWIS, US
[72] NOOK, WILLIAM KNIGHT, US
[72] STANFIELD, JAMES RICHARD, US
[72] UNDERHILL, DEREK MICHAEL, US
[71] THE NOCO COMPANY, US
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[54] **COMMON SEARCH SPACE DESIGN FOR COVERAGE ENHANCEMENT IN WIRELESS COMMUNICATIONS**
[54] **CONCEPTION D'ESPACE DE RECHERCHE COMMUN POUR AMELIORER LA COUVERTURE DANS DES COMMUNICATIONS SANS FIL**
[72] LIU, CHIH-HAO, US
[72] YERRAMALLI, SRINIVAS, US
[72] KADOUS, TAMER, US
[71] QUALCOMM INCORPORATED, US
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[54] **ENHANCED HIGH TEMPERATURE CROSSLINKED FRACTURING FLUIDS**
[54] **FLUIDES DE FRACTURATION RETICULES A HAUTE TEMPERATURE AMELIORES**
[72] LI, LEIMING, US
[72] LIANG, FENG, US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-02-27
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[25] EN
[54] **NANOCAPSULES FOR DELIVERING RIBONUCLEOPROTEINS**
[54] **NANOCAPSULES POUR L'ADMINISTRATION DE RIBONUCLEOPROTEINES**
[72] GONG, SHAOQIN, US
[72] ABDEEN, AMR, US
[72] SAHA, KRISHANU, US
[72] CHEN, GUOJUN, US
[72] WANG, YUYUAN, US
[72] XIE, RUOSEN, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[85] 2020-02-27
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[54] **TIRE RUBBER COMPOSITIONS**
[54] **COMPOSITION DE CAOUTCHOUC POUR PNEUMATIQUE**
[72] KANBARA, HIROSHI, JP
[72] KODA, DAISUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2020-02-27
[86] 2018-08-29 (PCT/JP2018/031911)
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[54] **MULTI-SPECTRAL PHYSIOLOGIC VISUALIZATION (MSPV) USING LASER IMAGING METHODS AND SYSTEMS FOR BLOOD FLOW AND PERFUSION IMAGING AND QUANTIFICATION IN AN ENDOSCOPIC DESIGN**
[54] **VISUALISATION PHYSIOLOGIQUE MULTI-SPECTRALE (MSPV) METTANT EN OEUVRE DESPROCEDES ET DES SYSTEMES D'IMAGERIE LASER POUR REALISER L'IMAGERIE ET LA QUANTIFICATION DE FLUX SANGUIN ET DE PERFUSION DANS UNE CONCEPTION ENDOSCOPIQUE**
[72] CHEN, CHENG, US
[72] FERGUSON, JR., T. BRUCE, US
[72] JACOBS, KENNETH MICHAEL, US
[71] EAST CAROLINA UNIVERSITY, US
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[86] 2018-08-08 (PCT/US2018/045715)
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[54] **DISPOSITIFS ET SYSTEMES DE DRONE SUBMERSIBLE**
[72] FIORELLO, DANIEL J, US
[71] GOOCH'S BEACH DRONE COMPANY, US
[85] 2020-02-27
[86] 2018-08-29 (PCT/US2018/048648)
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[54] **APPAREIL DE TEXTURATION D'UN MATERIAU EN BRIN**
[72] BRANDT, LUC J., BE
[71] OCV INTELLECTUAL CAPITAL, LLC, US
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[54] **NOVEL METHOD FOR PRODUCING ANTIBODY-DRUG CONJUGATE**
[54] **NOUVEAU PROCEDE DE PRODUCTION D'UN CONJUGUE ANTICORPS-MEDICAMENT**
[72] NISHI, YOSHIO, JP
[72] SAKANISHI, KOHEI, JP
[72] NOGUCHI, SHIGERU, JP
[72] TAKEDA, TADAHIRO, JP
[71] DAIICHI SANKYO COMPANY, LIMITED, JP
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[25] EN
[54] **SWING BAR DOOR GUARD**
[54] **PROTECTION DE PORTE A BARRE OSCILLANTE**
[72] THOMAS, SCOTT, US
[71] THOMAS, SCOTT, US
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[25] EN
[54] **THREADED CONNECTION FOR STEEL PIPE**
[54] **RACCORD FILETE POUR TUYAU EN ACIER**
[72] SUGINO, MASAAKI, JP
[72] OKU, YOUSUKE, JP
[72] INOSE, KEITA, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
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[25] EN
[54] **METHOD OF MANUFACTURE FOR HAND-SANITIZING LOTION WITH PROLONGED EFFECTIVENESS AND RESULTING COMPOSITION OF MATTER**
[54] **PROCEDE DE FABRICATION D'UNE LOTION DESINFECTANTE POUR LES MAINS AYANT UNE EFFICACITE PROLONGEE ET COMPOSITION DE MATIERE OBTENUE**
[72] REVELLAME, EMMANUEL D., US
[72] HOLMES, WILLIAM E., US
[71] UNIVERSITY OF LOUISIANA AT LAFAYETTE, US
[71] REVELLAME, EMMANUEL D., US
[71] HOLMES, WILLIAM E., US
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[54] **ARTICLES MONOFILAMENTS A HAUTE TEMPERATURE**
[72] LEWIS, WILLIAM CHRISTOPHER, US
[72] LEWIS, BARTON ROY, US
[72] LEWIS, WILLIAM JAMES, US
[71] ADVANCED FLEXIBLE COMPOSITES, INC., US
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[54] **METHODS OF TREATING EPILEPSY, SEIZURE DISORDERS AND SUDDEN UNEXPECTED DEATH IN EPILEPSY**
[54] **METHODES DE TRAITEMENT DE L'EPILEPSIE, DE TROUBLES EPILEPTIQUES ET DE LA MORT SOUDAINE INATTENDUE EN CAS D'EPILEPSIE**
[72] FREY II, WILLIAM H., US
[72] BRESIN HANSON, LEAH R., US
[71] HEALTHPARTNERS INSTITUTE, US
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[54] **PARTICLE SYSTEMS AND METHODS**
[54] **SYSTEMES PARTICULAIRES ET PROCEDES**
[72] HARDMAN, NED J., US
[72] REESE, JOHN W., US
[72] LAIDLAW, DYLAN, US
[71] MONOLITH MATERIALS, INC., US
[85] 2020-02-27
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[54] **CROP DISEASE RECOGNITION AND YIELD ESTIMATION**
[54] **RECONNAISSANCE DE MALADIES DE CULTURES ET ESTIMATION DE RENDEMENT**
[72] BEDOYA, JUAN PABLO, US
[72] STUBER, VICTOR, US
[72] GUILLEMETTE, GERARD, US
[72] KEMINK, JOOST, US
[72] CHEN, YAQI, US
[72] WILLIAMS, DANIEL, US
[72] SHE, YING, US
[72] FARAH, MARIAN, US
[72] BOSHARD, JULIAN, US
[72] GUAN, WEI, US
[71] THE CLIMATE CORPORATION, US
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[86] 2018-08-27 (PCT/US2018/048169)
[87] (WO2019/046203)
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[54] **DRAINED RESERVOIR VOLUME DIAGNOSTICS FROM MANDEL-CRYER PRESSURE SIGNAL**
[54] **DIAGNOSTIC DE VOLUME DE RESERVOIR DRAINE A PARTIR D'UN SIGNAL DE PRESSION DE MANDEL-CRYER**
[72] AGRAWAL, SAMARTH, US
[72] ALBERT, RICHARD A., US
[71] CONOCOPHILLIPS COMPANY, US
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[54] **SYSTEMS AND METHODS FOR PARTICLE GENERATION**
[54] **SYSTEMES ET PROCEDES DE GENERATION DE PARTICULES**
[72] HARDMAN, NED J., US
[71] MONOLITH MATERIALS, INC., US
[85] 2020-02-27
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[54] **PARTICLE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE PARTICULES**
[72] HARDMAN, NED J., US
[72] FRIEBEL, DANIEL, US
[71] MONOLITH MATERIALS, INC., US
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[54] **SYSTEME ET PROCEDE D'IMAGERIE THERMIQUE A GRANDE VITESSE**
[72] YAKTINE, DARREL L., US
[72] MEYERS, PAUL E., US
[71] COMET ELECTRONICS, LLC, US
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[54] **COMPOSES, COMPOSITIONS ET METHODES POUR LE TRAITEMENT D'UNE MALADIE**
[72] SHERI, ANJANEYULU, US
[72] MEHER, GEETA, US
[72] CHALLA, SREERUPA, US
[72] ZHOU, SHENGHUA, US
[72] IYER, RADHAKRISHNAN P., US
[71] SPEROVIE BIOSCIENCES, INC., US
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[54] **DEBLINDING APPARATUSES AND METHODS FOR SCREENING**
[54] **APPAREILS DE DEBOUCHAGE ET PROCEDES POUR LE TAMISAGE**
[72] LIPA, ANTHONY J., US
[71] DERRICK CORPORATION, US
[85] 2020-02-27
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[25] EN
[54] **HOT STAMPING FORMED ARTICLE AND METHOD AND DEVICE FOR MANUFACTURING HOT STAMPING FORMED ARTICLE**
[54] **ARTICLE MOULE PAR ESTAMPAGE A CHAUD ET PROCEDE ET DISPOSITIF DE FABRICATION D'UN ARTICLE MOULE PAR ESTAMPAGE A CHAUD**
[72] OTSUKA, KENICHIRO, JP
[72] KASEDA, YOSHIYUKI, JP
[72] NAKAZAWA, YOSHIAKI, JP
[71] NIPPON STEEL CORPORATION, JP
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[54] **DISPOSITIF DE CHAUFFAGE A BOIS COMBUSTIBLE**
[72] SOLONIN, MARK, RU
[71] PYROHEAT OU, EE
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[54] **MOTORIZED VEHICLE**
[54] **VEHICULE MOTORISE**
[72] CHAMPAGNE, ROCH, CA
[72] LAMBERT, MAXIME, CA
[72] LEPINE, JEAN-FRANCOIS, CA
[71] STYL&TECH INC., CA
[85] 2020-02-27
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[25] EN
[54] **MULTIPLE-LAYER QUANTUM-DOT LED AND METHOD OF FABRICATING SAME**
[54] **DEL A POINTS QUANTIQUES A COUCHES MULTIPLES ET SON PROCEDE DE FABRICATION**
[72] RAHMATI, MOHAMMAD, CA
[72] PAHLEVANI, MAJID (A.K.A. MAJID PAHLEVANINEZHAD), CA
[72] SCHERWITZ, SAM, CA
[71] 10644137 CANADA INC., CA
[85] 2020-01-28
[86] 2018-10-15 (PCT/CA2018/051297)
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[51] **Int.Cl. H05B 33/08 (2020.01) F21V 23/02 (2006.01)**
[25] EN
[54] **A LIGHTING CONTROL CIRCUIT, LIGHTING INSTALLATION AND METHOD**
[54] **CIRCUIT DE COMMANDE D'ECLAIRAGE, INSTALLATION D'ECLAIRAGE ET PROCEDE**
[72] MAJEWSKI, DONAT, AU
[72] MAJEWSKI, SHANE, AU
[71] TRESTOTO PTY LIMITED, AU
[85] 2020-02-27
[86] 2018-08-28 (PCT/AU2018/050915)
[87] (WO2019/040978)
[30] AU (2017903526) 2017-09-01
[30] AU (2017904960) 2017-12-11

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[51] **Int.Cl. C09J 7/30 (2018.01) C09J 7/29 (2018.01) C09J 7/40 (2018.01) E02D 19/00 (2006.01) E04D 5/08 (2006.01)**
[25] EN
[54] **MODIFICATION OF ASPHALT ADHESIVES WITH WAXES**
[54] **MODIFICATION D'ADHESIFS D'ASPHALTE PAR DES CIRES**
[72] DIMONDO, DOMENIC, CA
[71] GREENMANTRA RECYCLING TECHNOLOGIES LTD., CA
[85] 2020-02-27
[86] 2018-08-31 (PCT/CA2018/051058)
[87] (WO2019/041049)
[30] US (62/553,357) 2017-09-01

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[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD TO CONFIRM VARIANTS IN NGS PANEL TESTING BY SNP GENOTYPING**
[54] **PROCEDE DE CONFIRMATION DE VARIANTES DANS UN TEST DE PANEL DE NGS PAR GENOTYPAGE SNP**
[72] CAZENEUVE, CECILE, FR
[72] NOEL, SANDRINE, FR
[71] ASSISTANCE PUBLIQUE - HOPITAUX DE PARIS, FR
[85] 2020-02-27
[86] 2018-08-28 (PCT/EP2018/073150)
[87] (WO2019/043015)
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[51] **Int.Cl. H04J 14/02 (2006.01) G01S 17/02 (2020.01) G02B 6/28 (2006.01)**
[25] EN
[54] **AN OPTICAL BEAM DIRECTOR**
[54] **DIRECTEUR DE FAISCEAU OPTIQUE**
[72] PULIKKASERIL, CIBBY, AU
[72] COLLARTE BONDY, FEDERICO, AU
[71] BARAJA PTY LTD, AU
[85] 2020-02-27
[86] 2018-09-06 (PCT/AU2018/050961)
[87] (WO2019/046895)
[30] AU (2017903597) 2017-09-06

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[51] **Int.Cl. A61B 17/29 (2006.01) A61B 17/00 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE LENGTH LAPAROSCOPIC INSTRUMENT**
[54] **INSTRUMENT LAPAROSCOPIQUE A LONGUEUR REGLABLE**
[72] TILLMAN, SARA, US
[72] VANDEWEGHE, ANDREW, US
[72] WILLIAMS, BRADLEY THOMAS, US
[72] ROSENBAUM, JOANNA, US
[72] HUSSEY, TIMOTHY, US
[72] MCQUAIDE, JESSICA, US
[72] WILSCHKE, THOMAS, US
[72] CARTWRIGHT, JASON, US
[71] CAREFUSION 2200, INC., US
[85] 2020-02-27
[86] 2018-08-20 (PCT/US2018/047047)
[87] (WO2019/046025)
[30] US (15/692,011) 2017-08-31

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[13] A1
[51] **Int.Cl. C07F 5/04 (2006.01) A61K 31/69 (2006.01)**
[25] EN
[54] **PROCESS FOR THE PREPARATION OF IXAZOMIB CITRATE**
[54] **PROCEDE DE PREPARATION DE CITRATE D'IXAZOMIB**
[72] DAS, PRASENJIT PRAFULLA, IN
[72] RICHHARIYA, SANTOSH, IN
[72] MEERAN, HASHIM NIZAR POOVANATHIL NAGOOR, IN
[72] PRASAD, MOHAN, IN
[71] SUN PHARMACEUTICAL INDUSTRIES LIMITED, IN
[85] 2020-02-27
[86] 2018-08-24 (PCT/IB2018/056458)
[87] (WO2019/043544)
[30] IN (201711031158) 2017-09-02

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[51] **Int.Cl. A61K 9/51 (2006.01)**
[25] EN
[54] **BIODEGRADABLE MULTILAYER NANOCAPSULES FOR THE DELIVERY OF BIOLOGICALLY ACTIVE AGENTS IN TARGET CELLS**
[54] **NANOCAPSULES MULTICOUCHES BIODEGRADABLES POUR L'ADMINISTRATION D'AGENTS BIOLOGIQUEMENT ACTIFS DANS DES CELLULES CIBLES**
[72] SUKHORUKOV, GLEB, GB
[72] NAZARENKO, IRINA, DE
[72] TARAKANCHIKOVA, YANA, RU
[72] CATHOMEN, TONI, DE
[72] CORNU, TATJANA, DE
[72] PENNUCCI, VALENTINA, DE
[72] ALZUBI, JAMAL, DE
[71] ALBERT-LUDWIGS-UNIVERSITAT FREIBURG, DE
[71] QUEEN MARY UNIVERSITY OF LONDON, GB
[85] 2020-02-27
[86] 2018-07-25 (PCT/EP2018/070111)
[87] (WO2019/020665)
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[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **ANTIBODY VARIANTS**
[54] **VARIANTS D'ANTICORPS**
[72] FURRER, ESTHER MARIA, CH
[71] TILLOTTS PHARMA AG, CH
[85] 2020-02-27
[86] 2018-09-11 (PCT/EP2018/074523)
[87] (WO2019/057565)
[30] EP (17191988.9) 2017-09-19

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[51] **Int.Cl. C07K 16/24 (2006.01)**
[25] EN
[54] **ANTIBODY VARIANTS**
[54] **VARIANTS D'ANTICORPS**
[72] FURRER, ESTHER MARIA, CH
[71] TILLOTTS PHARMA AG, CH
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[86] 2018-09-11 (PCT/EP2018/074525)
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[13] A1
[51] **Int.Cl. B01D 53/04 (2006.01) B01D 53/46 (2006.01)**
[25] EN
[54] **A TEMPERATURE-SWING ADSORPTION PROCESS**
[54] **PROCESSUS D'ABSORPTION A TEMPERATURE MODULEE**
[72] JOSS, LISA, GB
[72] HEFTI, MAX, CH
[72] MAZZOTTI, MARCO, CH
[71] CASALE SA, CH
[85] 2020-02-27
[86] 2018-08-09 (PCT/EP2018/071598)
[87] (WO2019/042733)
[30] EP (17188071.9) 2017-08-28

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[51] **Int.Cl. G01N 30/00 (2006.01) B01D 7/02 (2006.01) B01D 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SEPARATION OF CHIRAL COMPOUNDS USING MAGNETIC INTERACTIONS**
[54] **SYSTEME ET PROCEDE DE SEPARATION DE COMPOSES CHIRAUX PAR INTERACTIONS MAGNETIQUES**
[72] NAAMAN, RON, IL
[72] CAPUA, EYAL, IL
[72] LAHAV, MEIR, IL
[72] TASSINARI, FRANCESCO, IL
[72] PALTIEL, YOSSEF, IL
[72] YOCHELIS, SHIRA, IL
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL
[71] YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSAM LTD., IL
[85] 2020-02-27
[86] 2018-08-26 (PCT/IL2018/050942)
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[30] IL (254209) 2017-08-29
[30] US (62/620,503) 2018-01-23
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[51] **Int.Cl. H02M 1/12 (2006.01) H02J 3/01 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **WIND TURBINE WITH POWER-DEPENDENT FILTER DEVICE**
[54] **INSTALLATION D'ENERGIE EOLIENNE A EQUIPEMENT DE FILTRE DEPENDANT DE LA PUISSANCE**
[72] BERENTS, GERD, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2020-02-27
[86] 2018-09-19 (PCT/EP2018/075272)
[87] (WO2019/057736)
[30] DE (10 2017 121 655.3) 2017-09-19

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[13] A1
[51] **Int.Cl. B32B 5/02 (2006.01) B32B 5/04 (2006.01) B32B 5/12 (2006.01) B32B 5/26 (2006.01) B32B 7/10 (2006.01) B32B 27/08 (2006.01) B32B 27/12 (2006.01) B32B 27/18 (2006.01) B32B 27/20 (2006.01) B32B 27/28 (2006.01) B32B 27/30 (2006.01) B32B 27/36 (2006.01) B32B 27/38 (2006.01) B32B 27/40 (2006.01) B32B 27/42 (2006.01)**
[25] EN
[54] **COMPOSITE LAMINATE INCLUDING A THERMOPLASTIC POLYURETHANE FILM LAYER**
[54] **STRATIFIE COMPOSITE COMPRENANT UNE COUCHE DE FILM DE POLYURETHANE THERMOPLASTIQUE**
[72] NISTALA, SATYANARAYANA, US
[72] VONTORCIK, JOSEPH J. JR., US
[72] NESTLERODE, GREG S., US
[72] CITRANO, JOSEPH III, US
[71] LUBRIZOL ADVANCED MATERIALS, INC., US
[85] 2020-02-27
[86] 2018-08-22 (PCT/US2018/047511)
[87] (WO2019/046062)
[30] US (62/551,278) 2017-08-29
[30] US (62/557,335) 2017-09-12

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[51] **Int.Cl. B01D 53/04 (2006.01)**
[25] EN
[54] **A TEMPERATURE-SWING ADSORPTION PROCESS**
[54] **PROCESSUS D'ABSORPTION A TEMPERATURE MODULEE**
[72] JOSS, LISA, GB
[72] HEFTI, MAX, CH
[72] MAZZOTTI, MARCO, CH
[71] CASALE SA, CH
[85] 2020-02-27
[86] 2018-08-09 (PCT/EP2018/071600)
[87] (WO2019/042734)
[30] EP (17188074.3) 2017-08-28

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[13] A1
[51] **Int.Cl. A61B 18/18 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL APPARATUS**
[54] **APPAREIL ELECTROCHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] ULLRICH, GEORGE CHRISTIAN, GB
[72] WEBB, DAVID EDWARD, GB
[72] TURNER, LOUIS, GB
[72] MEADOWCROFT, SIMON, GB
[72] JOHNSON, JESSI, US
[72] TAIMISTO, MIRIAM, US
[71] CREO MEDICAL LIMITED, GB
[85] 2020-02-27
[86] 2018-10-12 (PCT/EP2018/077879)
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[30] GB (1716778.4) 2017-10-13

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[51] **Int.Cl. G01G 19/413 (2006.01) G06Q 10/08 (2012.01) G01G 19/415 (2006.01) G01G 19/52 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF AUTOMATED TRACKING OF CONSUMABLE PRODUCTS**
[54] **SYSTEME ET PROCEDE DE SUIVI AUTOMATISE DE PRODUITS CONSOMMABLES**
[72] FLEISCHMANN, ROBERT, CA
[72] VAN FLEET, STEVEN, US
[71] WEIGHTRX INC., CA
[85] 2020-02-27
[86] 2018-08-22 (PCT/US2018/047567)
[87] (WO2019/046070)
[30] US (62/551,572) 2017-08-29

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[51] **Int.Cl. C07F 1/08 (2006.01) A61K 33/34 (2006.01) A61P 25/14 (2006.01)**
[25] EN
[54] **THERAPEUTIC METAL COMPLEXES AND LIGANDS AND METHODS OF MAKING AND USING SAME**
[54] **COMPLEXES DE METAL THERAPEUTIQUES ET LIGANDS, LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] BEAUDRY, CHRIS, US
[72] HURST, JAMES, US
[72] BECKMAN, JOSEPH, US
[72] SIROIS, JOHN, US
[71] OREGON STATE UNIVERSITY, US
[85] 2020-02-27
[86] 2018-08-31 (PCT/US2018/049163)
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[30] US (62/553,714) 2017-09-01

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[13] A1
[51] **Int.Cl. C07D 249/12 (2006.01) A01N 47/38 (2006.01) A01P 13/00 (2006.01) C07D 401/06 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01)**
[25] EN
[54] **1-(N,N-DISUBSTITUTED CARBAMOYL) 4-(SUBSTITUTED SULFONYL)TRIAZOLIN-5-ONE DERIVATIVES, 4-(N,N-DISUBSTITUTED CARBAMOYL) 1-(SUBSTITUTED SULFONYL)TRIAZOLIN-5-ONE DERIVATIVE, AND HERBICIDE CONTAINING SAME AS ACTIVE INGREDIENT**
[54] **DERIVES DE 1-(CARBAMOYLE N,N-DISUBSTITUE) 4-(SULFONYLE SUBSTITUE)TRIAZOLIN-5-ONE, DERIVES DE 4-(CARBAMOYLE N,N-DISUBSTITUE) 1-(SULFONYLE SUBSTITUE)TRIAZOLIN-5-ONE, ET HERBICIDE LES CONTENANT EN TANT QUE PRINCIPE ACTIF**
[72] SUZUKI, JUN, JP
[72] WAKABAYASHI, HITOSHI, JP
[72] OOTAKA, AKIHITO, JP
[72] SUNAGAWA, SHO, JP
[72] KOYAMA, KOHEI, JP
[72] KANEMATSU, SATOSHI, JP
[71] HOKKO CHEMICAL INDUSTRY CO., LTD., JP
[85] 2020-02-27
[86] 2018-08-31 (PCT/JP2018/032509)
[87] (WO2019/045085)
[30] JP (2017-167829) 2017-08-31
[30] JP (2017-167830) 2017-08-31

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[51] **Int.Cl. B65B 61/18 (2006.01) B31B 70/74 (2017.01)**
[25] EN
[54] **SLIDER INSERTION APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES D'INSERTION DE CURSEUR**
[72] DERUE, NICHOLAS A., US
[72] THOMPSON, GREGG, US
[71] REYNOLDS PRESTO PRODUCTS INC., US
[85] 2020-02-27
[86] 2018-08-28 (PCT/US2018/048288)
[87] (WO2019/046264)
[30] US (15/687,982) 2017-08-28

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[51] **Int.Cl. A61K 31/197 (2006.01) A61K 9/22 (2006.01) A61K 47/38 (2006.01) A61P 3/10 (2006.01)**
[25] EN
[54] **NEW FORMULATION OF GAMMA-AMINOBUTYRIC ACID**
[54] **NOUVELLE FORMULATION D'ACIDE GAMMA-AMINOBUTYRIQUE**
[72] LINDQVIST, ANTON, SE
[72] HANNELIUS, ULF, SE
[71] DIAMYD MEDICAL AB, SE
[85] 2020-02-27
[86] 2018-08-24 (PCT/SE2018/050855)
[87] (WO2019/059822)
[30] SE (1751159-3) 2017-09-19

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[13] A1
[51] **Int.Cl. C09K 8/504 (2006.01) C09K 8/512 (2006.01)**
[25] EN
[54] **DELAYED POLYMER GELATION USING LOW TOTAL DISSOLVED SOLIDS BRINE**
[54] **GELIFICATION DE POLYMERE RETARDEE A L'AIDE D'UNE SAUMURE A FAIBLE TENEUR EN SOLIDES DISSOUS TOTAUX**
[72] ALSHEHRI, AMAR, SA
[72] WANG, JINXUN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-02-27
[86] 2018-08-31 (PCT/US2018/049045)
[87] (WO2019/046693)
[30] US (15/693,879) 2017-09-01

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[13] A1
[51] **Int.Cl. A23L 29/00 (2016.01) A23L 11/30 (2016.01) A23L 27/00 (2016.01) A23L 33/185 (2016.01)**
[25] FR
[54] **METHOD FOR PREPARING A COMPOSITION BASED ON LEGUME PROTEINS**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION A BASE DE PROTEINES DE LEGUMINEUSES**
[72] ITO, GOICHI, JP
[71] ROQUETTE FRERES, FR
[85] 2020-02-27
[86] 2018-09-10 (PCT/FR2018/052208)
[87] (WO2019/048804)
[30] FR (17 58365) 2017-09-11

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[13] A1
[51] **Int.Cl. A61K 39/00 (2006.01) A61K 33/08 (2006.01) A61P 3/10 (2006.01) A61P 37/02 (2006.01) C12Q 1/68 (2018.01) G01N 33/564 (2006.01)**
[25] EN
[54] **GENOTYPE STRATIFICATION IN DIABETES TREATMENT AND PREVENTION**
[54] **STRATIFICATION DU GENOTYPE DANS LE TRAITEMENT ET LA PREVENTION DU DIABETE**
[72] ESSEN-MOLLER, ANDERS, SE
[71] DIAMYD MEDICAL AB, SE
[85] 2020-02-27
[86] 2018-09-10 (PCT/SE2018/050904)
[87] (WO2019/050465)
[30] SE (1751094-2) 2017-09-08

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **MODULAR ACTIVE SURFACE DEVICES FOR MICROFLUIDIC SYSTEMS AND METHODS OF MAKING SAME**
[54] **DISPOSITIFS MODULAIRES A SURFACE ACTIVE POUR SYSTEMES MICROFLUIDIQUES ET LEURS PROCEDES DE FABRICATION**
[72] SPERO, RICHARD CHASEN, US
[72] FISHER, JAY KENNETH, US
[72] TORMEY, LAURA LEE, US
[71] REDBUD LABS, US
[85] 2020-02-27
[86] 2018-06-19 (PCT/US2018/038234)
[87] (WO2018/236833)
[30] US (62/522,536) 2017-06-20

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[13] A1
[51] **Int.Cl. G16H 30/20 (2018.01) H04L 29/06 (2006.01)**
[25] EN
[54] **CLOUD-BASED IMAGE ACCESS SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'ACCES A DES IMAGES BASEES EN NUAGE**
[72] BERG, TROY, US
[71] MYMEDICALIMAGES.COM, LLC, US
[85] 2020-02-27
[86] 2018-08-29 (PCT/US2018/048520)
[87] (WO2019/046410)
[30] US (62/552,373) 2017-08-30
[30] US (16/115,295) 2018-08-28

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[13] A1
[51] **Int.Cl. A61K 8/99 (2017.01) A61Q 19/00 (2006.01) A61Q 19/08 (2006.01)**
[25] EN
[54] **ANTI-POLLUTION COMPOSITIONS CONTAINING BACILLUS COAGULANS**
[54] **COMPOSITIONS ANTI-POLLUTION CONTENANT BACILLUS COAGULANS**
[72] MAJEED, MUHAMMED, US
[72] NAGABHUSHANAM, KALYANAM, US
[72] MUNDKUR, LAKSHMI, IN
[72] MAJEED, SHAHEEN, US
[71] SAMI LABS LIMITED, IN
[85] 2020-02-27
[86] 2018-08-30 (PCT/US2018/048695)
[87] (WO2019/046508)
[30] IN (IN201741030867) 2017-08-31

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[13] A1
[51] **Int.Cl. A61K 31/519 (2006.01) A61P 35/00 (2006.01) C07D 471/00 (2006.01)**
[25] EN
[54] **ENPP1 INHIBITORS AND THEIR USE FOR THE TREATMENT OF CANCER**
[54] **INHIBITEURS D'ENPP1 ET LEUR UTILISATION POUR LE TRAITEMENT DU CANCER**
[72] LI, LINGYIN, US
[72] SMITH, MARK, US
[72] SHAW, KELSEY ERIN, US
[72] CAROZZA, JACQUELINE ANN, US
[72] BOEHNERT, VOLKER, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-02-27
[86] 2018-09-07 (PCT/US2018/050018)
[87] (WO2019/051269)
[30] US (62/556,117) 2017-09-08

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[13] A1
[51] **Int.Cl. C11D 17/04 (2006.01)**
[25] EN
[54] **CLEANING ARTICLE COMPRISING MULTIPLE SHEETS AND METHODS THEREOF**
[54] **ARTICLE DE NETTOYAGE COMPRENANT DE MULTIPLES FEUILLES ET PROCEDES ASSOCIES**
[72] PUNG, DAVID JOHN, US
[72] WINTER, CLINT STEPHEN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-02-27
[86] 2018-09-21 (PCT/US2018/052098)
[87] (WO2019/060647)
[30] US (62/561,823) 2017-09-22

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[13] A1
[51] **Int.Cl. A61B 5/0205 (2006.01) A61B 5/00 (2006.01) A61B 5/11 (2006.01)**
[25] EN
[54] **SYSTEM AND DEVICE FOR NON-INVASIVE DRINK DETECTION**
[54] **SYSTEME ET DISPOSITIF PERMETTANT UNE DETECTION NON EFFRACTIVE D'ALCOOLISATION**
[72] OLSON, BYRON P., US
[72] RAJAN, NITHIN O., US
[72] MUSGRAVE, LANE, US
[72] CLIFT-REAVES, DAVID E., US
[72] BREAUX, JAMES, US
[72] FRECKLETON, DUSTIN M., US
[72] XAVIER DA SILVEIRA, PAULO E., US
[71] LVL TECHNOLOGIES, INC., US
[85] 2020-02-27
[86] 2018-08-30 (PCT/US2018/048882)
[87] (WO2019/046596)
[30] US (62/553,655) 2017-09-01

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[13] A1
[51] **Int.Cl. C07K 14/785 (2006.01) A61K 38/17 (2006.01) A61P 11/00 (2006.01) C07K 14/47 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR PREPARING SURFACTANT PROTEIN D (SP-D)**
[54] **PROCEDES ET COMPOSITIONS POUR PREPARER UNE PROTEINE D TENSIOACTIVE (SP-D)**
[72] ROSENBAUM, JAN SUSAN, US
[72] QUAST, FREDERICK GYAPON, US
[72] KAUP, MATTHIAS, US
[72] STOCKL, LARS, US
[71] AIRWAY THERAPEUTICS, LLC, US
[85] 2020-02-27
[86] 2018-09-04 (PCT/US2018/049390)
[87] (WO2019/050856)
[30] US (62/554,777) 2017-09-06
[30] US (62/614,774) 2018-01-08

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[13] A1
[51] **Int.Cl. H04L 12/841 (2013.01) H04L 12/801 (2013.01) H04L 12/825 (2013.01) H04L 7/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR NETWORK CONGESTION MANAGEMENT**
[54] **PROCEDES ET SYSTEMES DE GESTION D'ENCOMBREMENT DE RESEAU**
[72] CRUPNICOFF, DIEGO, US
[72] JAIN, VISHAL, US
[72] CHANDER, VIJAY K., US
[72] CHEETHIRALA, MADHAVA RAO, US
[72] TADIMETI, RAJA RAO, US
[71] PENSANDO SYSTEMS INC., US
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[30] US (62/553,017) 2017-08-31

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[51] **Int.Cl. G05D 1/10 (2006.01)**
[25] EN
[54] **FLIGHT CONTROL METHOD AND DEVICE OF UNMANNED AERIAL VEHICLE, AND UNMANNED AERIAL VEHICLE**
[54] **PROCEDE ET DISPOSITIF DE COMMANDE DE VOL DE VEHICULE AERIEN SANS PILOTE ET VEHICULE AERIEN SANS PILOTE**
[72] PENG, BIN, CN
[72] GUAN, WULIE, CN
[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD, CN
[85] 2019-07-23
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[30] CN (201710157682.0) 2017-03-16

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[25] EN
[54] **METHODS, COMPOSITIONS AND CELLS FOR PREPARING SURFACTANT PROTEIN D (SP-D)**
[54] **PROCEDES, COMPOSITIONS ET CELLULES POUR PREPARER UNE PROTEINE TENSIOACTIVE D (SP-D)**
[72] ROSENBAUM, JAN SUSAN, US
[72] QUAST, FREDERICK GYAPON, DE
[72] KAUP, MATTHIAS, DE
[72] STOCKL, LARS, DE
[71] AIRWAY THERAPEUTICS, LLC, US
[71] GLYCOTOPE GMBH, DE
[85] 2020-02-27
[86] 2018-09-04 (PCT/US2018/049391)
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[30] US (62/554,825) 2017-09-06
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[51] **Int.Cl. G06Q 50/28 (2012.01) G06Q 10/08 (2012.01) G06Q 10/10 (2012.01)**
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[54] **MANAGEMENT OF VEHICULAR TRAFFIC AT A FACILITY HAVING ALLOCABLE SPACE RESOURCES**
[54] **GESTION DE CIRCULATION DE VEHICULES AU NIVEAU D'UNE INSTALLATION AYANT DES RESSOURCES SPATIALES ATTRIBUABLES**
[72] MAINS, RONALD H. JR., US
[72] HOOPER, LUKE, US
[72] MANGAT, CHATHAN S., US
[71] CRC R&D, LLC, US
[85] 2020-02-27
[86] 2018-08-31 (PCT/US2018/049179)
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[30] US (62/553,027) 2017-08-31

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[51] **Int.Cl. G06F 21/00 (2013.01)**
[25] EN
[54] **IMPROVING FRAUD DETECTION BY PROFILING AGGREGATE CUSTOMER ANONYMOUS BEHAVIOR**
[54] **AMELIORATION DE LA DETECTION DE FRAUDE PAR PROFILAGE D'UN COMPORTEMENT GLOBAL ANONYME DE CLIENT**
[72] ZOLDI, SCOTT MICHAEL, US
[72] XU, HEMING, US
[71] FAIR ISAAC CORPORATION, US
[85] 2020-02-27
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[30] US (15/697,375) 2017-09-06

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[25] EN
[54] **DELIVERY OF PAYLOADS TO STEM CELLS**
[54] **DISTRIBUTION DE CHARGE UTILE DANS DES CELLULES SOUCHES**
[72] HERMISTON, TERRY, US
[72] BAUZON, MAXINE, US
[72] CONTAG, CHRISTOPHER, H., US
[72] HARDY, JONATHAN, US
[72] BLANKENBERG, FRANCIS, GERARD, US
[71] GLADIATOR BIOSCIENCES, INC., US
[85] 2020-02-27
[86] 2018-09-05 (PCT/US2018/049618)
[87] (WO2019/050997)
[30] US (62/554,533) 2017-09-05
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[30] US (62/569,411) 2017-10-06
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[51] **Int.Cl. C12P 5/02 (2006.01) C12P 7/02 (2006.01) C12P 7/26 (2006.01) C12P 7/64 (2006.01) C12P 13/02 (2006.01)**
[25] EN
[54] **PROCESSES AND SYSTEMS FOR METABOLITE PRODUCTION USING HYDROGEN RICH C1-CONTAINING SUBSTRATES**
[54] **PROCEDES ET SYSTEMES DE PRODUCTION DE METABOLITES A L'AIDE DE SUBSTRATS CONTENANT DES COMPOSES EN C1 RICHES EN HYDROGENE**
[72] CONRADO, ROBERT JOHN, US
[72] WATERS, GUY WILLIAM, US
[72] PUGLISI, MATTHEW, US
[72] CONOLLY, JOSHUA JEREMY, US
[71] LANZATECH, INC., US
[85] 2020-02-27
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[30] US (62/556,099) 2017-09-08

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[25] EN
[54] **COMPOSITIONS AND PROCESSES FOR TARGETED DELIVERY, EXPRESSION AND MODULATION OF CODING RIBONUCLEIC ACIDS IN TISSUE**
[54] **COMPOSITIONS ET PROCEDES D'ADMINISTRATION, D'EXPRESSION ET DE MODULATION DE CODAGE CIBLEES D'ACIDES RIBONUCLEIQUES DANS UN TISSU**
[72] MICOL, ROMAIN, GB
[72] ANTOSZCZYK, SLAWOMIR, US
[71] COMBINED THERAPEUTICS, INC., US
[85] 2020-02-27
[86] 2018-09-06 (PCT/US2018/049772)
[87] (WO2019/051100)
[30] GB (1714430.4) 2017-09-07
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[51] **Int.Cl. H04W 52/14 (2009.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
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[54] **UPLINK BEAM MANAGEMENT**
[54] **GESTION DE FAISCEAU DE LIAISON MONTANTE**
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL, US
[72] PARK, KYUNGMIN, US
[72] JEON, HYOUNGSUK, US
[72] BABAEI, ALIREZA, US
[71] OFINNO, LLC, US
[85] 2020-02-27
[86] 2018-09-07 (PCT/US2018/049958)
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[30] US (62/555,359) 2017-09-07
[30] US (62/555,366) 2017-09-07
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[51] **Int.Cl. A61K 9/06 (2006.01) A61K 9/08 (2006.01) A61K 31/138 (2006.01) A61K 47/06 (2006.01) A61K 47/08 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61K 47/20 (2006.01) A61K 47/44 (2017.01)**
[25] EN
[54] **TOPICAL COMPOSITIONS AND METHODS FOR TREATMENT**
[54] **COMPOSITIONS TOPIQUES ET METHODES DE TRAITEMENT**
[72] QUAY, STEVEN, C., US
[72] KUSHWAHA, AVADHESH, S., US
[72] KISAK, EDWARD, T., US
[72] NEWSAM, JOHN, M., US
[71] ATOSSA THERAPEUTICS, INC., US
[85] 2020-02-27
[86] 2018-09-10 (PCT/US2018/050197)
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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/713 (2006.01) A61P 3/00 (2006.01) A61P 3/06 (2006.01) A61P 9/00 (2006.01)**
[25] EN
[54] **RNAI AGENTS AND COMPOSITIONS FOR INHIBITING EXPRESSION OF APOLIPOPROTEIN C-III (APOC3)**
[54] **AGENTS D'INTERFERENCE ARN ET COMPOSITIONS DESTINES A INHIBER L'EXPRESSION DE L'APOLIPOPROTEINE C-III (APOC3)**
[72] LI, ZHEN, US
[72] ZHU, RUI, US
[72] PEI, TAO, US
[72] WONG, SO, US
[72] KANNER, STEVEN, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2020-02-27
[86] 2018-09-10 (PCT/US2018/050248)
[87] (WO2019/051402)
[30] US (62/556,818) 2017-09-11
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[51] **Int.Cl. C07D 403/04 (2006.01) A61K 31/497 (2006.01) A61K 31/506 (2006.01) A61P 35/00 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **OCTAHYDROCYCLOPENTA[C]PYRROLE ALLOSTERIC INHIBITORS OF SHP2**
[54] **INHIBITEURS ALLOSTERIQUES OCTAHYDROCYCLOPENTA[C]PYRROLE DE SHP2**
[72] VOLKMANN, ROBERT, US
[72] MARFAT, ANTHONY, US
[72] NELSON, FREDERICK, US
[72] ZAGOURAS, PANAYIOTIS, US
[71] KROUZON PHARMACEUTICALS, INC., US
[85] 2020-02-27
[86] 2018-09-11 (PCT/US2018/050397)
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[30] US (62/556,713) 2017-09-11

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[51] **Int.Cl. G06F 13/00 (2006.01) G06Q 30/06 (2012.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **NETWORKED OBJECT TRADING ACTIVITY AND SYSTEM USABLE FOR FACILITATING OBJECT ACQUISITION**
[54] **ACTIVITE DE COMMERCE D'OBJETS EN RESEAU, ET SYSTEME UTILISABLE POUR FACILITER L'ACQUISITION D'OBJETS**
[72] BROWN, AMBER, US
[71] CABOODLE TECHNOLOGIES, INC., US
[85] 2020-02-27
[86] 2018-09-03 (PCT/US2018/049304)
[87] (WO2019/046842)
[30] US (62/553,634) 2017-09-01

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[13] A1
[51] **Int.Cl. A63B 21/068 (2006.01) A63B 1/00 (2006.01) A63B 23/12 (2006.01)**
[25] EN
[54] **A COLLAPSIBLE FREE STANDING EXERCISE APPARATUS**
[54] **APPAREIL D'EXERCICE AUTONOME PLIANT**
[72] LE NGUYEN KHANH, TRINH, VN
[71] LE NGUYEN KHANH, TRINH, VN
[85] 2020-01-14
[86] 2017-06-21 (PCT/IB2017/053700)
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[51] **Int.Cl. E21D 20/02 (2006.01) E21D 21/00 (2006.01) F16B 13/06 (2006.01)**
[25] EN
[54] **ADAPTED GROUT DELIVERY SLEEVE**
[54] **MANCHON DE DISTRIBUTION D'ENDUIT DE JOINTOIEMENT ADAPTE**
[72] CAWOOD, MARTIN, ZA
[72] VISSER, HENRI, ZA
[72] BERGHORST, ADRIAN, ZA
[71] NCM INNOVATIONS (PTY) LTD, ZA
[85] 2020-02-27
[86] 2018-09-07 (PCT/ZA2018/050053)
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[30] ZA (2017/06087) 2017-09-07

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[51] **Int.Cl. G06Q 30/08 (2012.01) G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **AN APPARATUS FOR SERVICE ACQUISITION**
[54] **APPAREIL D'ACQUISITION DE SERVICE**
[72] BOLADIAN, IVAN, AU
[71] BIDAH TECHNOLOGIES PTY LTD, AU
[85] 2020-02-28
[86] 2018-09-03 (PCT/AU2018/050950)
[87] (WO2019/040998)
[30] AU (2017903535) 2017-09-01

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[51] **Int.Cl. C12N 15/13 (2006.01) A61K 47/62 (2017.01) A61K 38/39 (2006.01) A61K 39/44 (2006.01) A61P 35/00 (2006.01) C07K 14/735 (2006.01) C07K 14/78 (2006.01) C07K 16/18 (2006.01) C07K 16/28 (2006.01) C07K 16/46 (2006.01) C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **FC.GAMMA.RII BINDING FIBRONECTIN TYPE III DOMAINS, THEIR CONJUGATES AND MULTISPECIFIC MOLECULES COMPRISING THEM**
[54] **DOMAINES DE TYPE III DE FIBRONECTINE LIANT FC.GAMMA.RII, LEURS CONJUGUES ET MOLECULES MULTISPECIFIQUES LES COMPRENANT**
[72] CHIU, MARK, US
[72] WHITAKER, BRIAN, US
[72] ZHANG, DI, US
[71] JANSSEN BIOTECH, INC., US
[85] 2020-02-21
[86] 2018-08-24 (PCT/US2018/047843)
[87] (WO2019/040808)
[30] US (62/550,152) 2017-08-25

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[51] **Int.Cl. C10M 133/56 (2006.01) C08G 73/10 (2006.01) C10L 1/2383 (2006.01) C10L 10/18 (2006.01)**
[25] EN
[54] **POLYIMIDE DISPERSANTS AND METHODS OF MAKING AND USING THEREOF**
[54] **DISPERSANTS DE POLYIMIDE ET LEUR PROCEDES DE FABRICATION ET D'UTILISATION**
[72] MORGAN, DAVID, US
[72] MA, ROLAND, US
[72] MASSON, GEORGETA, US
[71] CHEVRON ORONITE COMPANY LLC, US
[85] 2020-02-27
[86] 2018-09-18 (PCT/US2018/051506)
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[51] **Int.Cl. H04B 11/00 (2006.01)**
[25] EN
[54] **DYNAMIC TIME ADJUSTMENT METHOD, APPARATUS, AND SYSTEM**
[54] **PROCEDE, APPAREIL ET SYSTEME DE REGLAGE TEMPOREL DYNAMIQUE**
[72] YIN, HUI, CN
[72] WANG, XIANG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2020-02-28
[86] 2018-02-12 (PCT/CN2018/076412)
[87] (WO2019/041761)
[30] CN (201710766484.4) 2017-08-30

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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/713 (2006.01) A61P 3/00 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **RNAI AGENTS AND COMPOSITIONS FOR INHIBITING EXPRESSION OF ANGIOPOIETIN-LIKE 3 (ANGPTL3), AND METHODS OF USE**
[54] **AGENTS D'ARNI ET COMPOSITIONS DESTINEES A INHIBER L'EXPRESSION D'ANALOGUE DE L'ANGIOPOIETINE 3 (ANGPTL3) ET PROCEDES D'UTILISATION**
[72] LI, ZHEN, US
[72] ZHU, RUI, US
[72] WONG, SO, US
[71] ARROWHEAD PHARMACEUTICALS, INC., US
[85] 2020-02-27
[86] 2018-09-13 (PCT/US2018/050848)
[87] (WO2019/055633)
[30] US (62/558,819) 2017-09-14
[30] US (62/583,919) 2017-11-09
[30] US (62/651,284) 2018-04-02
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[51] **Int.Cl. B21D 22/20 (2006.01) B21D 22/00 (2006.01) B21D 22/26 (2006.01) B21D 22/28 (2006.01) B21D 22/30 (2006.01) B21D 24/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR EMBOSSING AND DEBOSSING METALLIC CONTAINERS**
[54] **PROCEDE ET APPAREIL POUR GAUFRER ET DEGAUFRER DES RECIPIENTS METALLIQUES**
[72] JENTZSCH, KEVIN REED, US
[72] JACOBER, MARK A., US
[72] BONFOEY, DAVID J., US
[71] BALL CORPORATION, US
[85] 2020-02-27
[86] 2018-09-18 (PCT/US2018/051541)
[87] (WO2019/055997)
[30] US (62/560,049) 2017-09-18

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[13] A1
[51] **Int.Cl. H04B 7/0408 (2017.01)**
[25] EN
[54] **ELECTRONIC DEVICE AND COMMUNICATION METHOD**
[54] **DISPOSITIF ELECTRONIQUE ET PROCEDE DE COMMUNICATION**
[72] LIU, WENDONG, CN
[72] WANG, ZHAOCHENG, CN
[72] CAO, JIANFEI, CN
[71] SONY CORPORATION, JP
[85] 2020-02-28
[86] 2018-09-26 (PCT/CN2018/107472)
[87] (WO2019/062736)
[30] CN (201710902184.4) 2017-09-29

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[51] **Int.Cl. C12N 15/87 (2006.01) B81B 1/00 (2006.01) C12M 1/02 (2006.01) C12M 1/42 (2006.01) C12N 13/00 (2006.01)**
[25] EN
[54] **INTRACELLULAR DELIVERY AND METHOD THEREFORE**
[54] **ADMINISTRATION INTRACELLULAIRE ET PROCEDE ASSOCIE**
[72] PAWELL, RYAN, AU
[72] TWITE, AMY, AU
[72] FACER, GEOFF, AU
[72] LAU, KATHERINE, AU
[72] LIEVANO, ADRIAN, AU
[72] ACEVADO, JULYANA, AU
[71] INDEE. PTY. LTD., AU
[85] 2020-02-28
[86] 2018-11-02 (PCT/AU2018/051190)
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[30] US (62/580,922) 2017-11-02

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[51] **Int.Cl. F26B 3/12 (2006.01) A61K 9/00 (2006.01) B01D 1/18 (2006.01) F26B 25/14 (2006.01) F26B 25/16 (2006.01)**
[25] EN
[54] **SINGLE-USE SPRAY DRYING COMPONENTS AND METHODS OF USING THE SAME**
[54] **COMPOSANTS DE SECHAGE PAR PULVERISATION A USAGE UNIQUE ET LEURS PROCEDES D'UTILISATION**
[72] DOWNEY, BRANDON J., US
[72] QUACH, ANTHONY, US
[72] HANSEN, DAVE, US
[72] HARRER, TRAVIS L., US
[72] BAUMANN, JOHN MICHAEL, US
[71] CAPSUGEL BELGIUM NV, BE
[85] 2020-02-26
[86] 2018-08-28 (PCT/EP2018/073140)
[87] (WO2019/043007)
[30] US (62/553,046) 2017-08-31

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[13] A1
[51] **Int.Cl. A23J 1/14 (2006.01) A23J 3/14 (2006.01)**
[25] FR
[54] **PEA PROTEINS WITH IMPROVED FLAVOUR, PRODUCTION METHOD, AND INDUSTRIAL USES**
[54] **PROTEINES DE POIS DONT LA FLAVEUR EST AMELIOREE, PROCEDE DE FABRICATION ET UTILISATIONS INDUSTRIELLES**
[72] LECOCQ, ALINE, FR
[72] IBERT, MATHIAS, FR
[72] DEBOUVERIE, FRANCK, FR
[71] ROQUETTE FRERES, FR
[85] 2020-02-28
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[87] (WO2019/053387)
[30] FR (17 58570) 2017-09-15

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[51] **Int.Cl. A61K 45/06 (2006.01) A61K 31/196 (2006.01) A61K 31/5383 (2006.01) A61K 31/573 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR THE TREATMENT OF OPHTHALMIC CONDITIONS**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'AFFECTIONS OPHTALMIQUES**
[72] EL-SHABRAWI, YOSUF, AT
[71] MURRAY & POOLE ENTERPRISES, LTD., GI
[85] 2020-02-28
[86] 2018-08-31 (PCT/EP2018/073494)
[87] (WO2019/043169)
[30] US (62/553,584) 2017-09-01

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[51] **Int.Cl. G01S 7/521 (2006.01) B63B 7/02 (2020.01) B63G 8/39 (2006.01) B63G 8/42 (2006.01)**
[25] EN
[54] **TOWABLE SUBMERSIBLE DEVICE**
[54] **DISPOSITIF SUBMERSIBLE REMORQUABLE**
[72] NAMS, JANIS, CA
[72] CUNNINGHAM, DAN, CA
[72] YEATMAN, PAUL, CA
[72] ARMSTRONG, BRUCE A., CA
[71] GEOSPECTRUM TECHNOLOGIES INC, CA
[85] 2020-02-28
[86] 2018-08-28 (PCT/CA2018/051034)
[87] (WO2019/041031)
[30] US (62/553,427) 2017-09-01

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[13] A1
[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **FEEDBACK RESPONSE INFORMATION TRANSMISSION METHOD AND RELATED PRODUCT**
[54] **PROCEDE DE TRANSMISSION D'INFORMATIONS DE REPONSE DE RETROACTION ET PRODUIT ASSOCIE**
[72] LIN, YANAN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-02-27
[86] 2017-10-26 (PCT/CN2017/107873)
[87] (WO2019/080059)

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 5/20 (2006.01) A61B 10/00 (2006.01) G01N 33/48 (2006.01) G01N 35/10 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR COLLECTING AND ANALYZING URINE SAMPLES**
[54] **PROCEDE ET APPAREIL POUR COLLECTER ET ANALYSER DES ECHANTILLONS D'URINE**
[72] YANG, CHENG, CN
[72] DONG, CAO, CN
[72] DI, LONG, CN
[72] CHEN, LONGZE, CN
[71] YANG, CHENG, CN
[71] DONG, CAO, CN
[71] DI, LONG, CN
[71] CHEN, LONGZE, CN
[85] 2020-02-27
[86] 2018-10-30 (PCT/US2018/058259)
[87] (WO2019/089628)
[30] US (62/578,615) 2017-10-30

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[13] A1
[51] **Int.Cl. G02C 7/02 (2006.01) G02C 7/06 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING AN OPTICAL SYSTEM INTENDED TO EQUIP A PERSON ON THE BASIS OF THE ADAPTABILITY OF THE PERSON TO A VISUAL AND/OR PROPRIOCEPTIVE MODIFICATION OF HIS/HER ENVIRONMENT**
[54] **PROCEDE ET SYSTEME DE DETERMINATION D'UN SYSTEME OPTIQUE DESTINE A EQUIPER UNE PERSONNE SUR LA BASE DE LA CAPACITE D'ADAPTATION DE LA PERSONNE A UNE MODIFICATION VISUELLE ET/OU PROPRIOCEPTIVE DE SON ENVIRONNEMENT**
[72] GIRAUDET, GUILLAUME, FR
[72] FAUBERT, JOCELYN, CA
[72] DOTI, RAFAEL, CA
[72] LUGO, EDUARDO, CA
[71] ESSILOR INTERNATIONAL, FR
[71] UNIVERSITE DE MONTREAL, CA
[85] 2020-02-28
[86] 2018-08-30 (PCT/EP2018/073314)
[87] (WO2019/043086)
[30] EP (17188844.9) 2017-08-31

[21] **3,074,332**
[13] A1
[51] **Int.Cl. C02F 9/08 (2006.01) C02F 1/00 (2006.01) C02F 9/04 (2006.01)**
[25] EN
[54] **SYSTEM FOR THE PURIFICATION AND PHYSICAL-CHEMICAL ADJUSTMENT OF WATER AND USE OF THE WATER OBTAINED**
[54] **SYSTEME DE PURIFICATION ET D'AJUSTEMENT PHYSICO-CHIMIQUE DE L'EAU**
[72] GONZALES, MARCIO AUGUSTO FERREIRA, BR
[71] MVA PARTICIPACOES & CONSULTORIA LTDA., BR
[85] 2020-02-28
[86] 2018-08-27 (PCT/BR2018/050306)
[87] (WO2019/041010)
[30] BR (BR102017018435-8) 2017-08-28
[30] BR (BR102018013293-8) 2018-06-28

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[13] A1
[51] **Int.Cl. B29C 53/08 (2006.01) B29C 53/84 (2006.01)**
[25] EN
[54] **BENDING METHOD AND BENDING DEVICE FOR BENDING A COMPOSITE BAR**
[54] **PROCEDE ET DISPOSITIF DE CINTRAGE POUR LE CINTRAGE D'UNE BARRE EN MATERIAU COMPOSITE**
[72] BISCHOFF, THOMAS, DE
[71] SOLIDIAN GMBH, DE
[85] 2020-02-28
[86] 2018-08-24 (PCT/EP2018/072907)
[87] (WO2019/042895)
[30] DE (10 2017 120 143.2) 2017-09-01

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[13] A1
[51] **Int.Cl. B42D 25/324 (2014.01) B42D 25/435 (2014.01)**
[25] EN
[54] **OPTICAL SECURITY ELEMENT**
[54] **ELEMENT DE SECURITE OPTIQUE**
[72] CALLEGARI, ANDREA, CH
[72] DEGOTT, PIERRE, CH
[72] DINOEV, TODOR, CH
[72] GARNIER, CHRISTOPHE, FR
[72] MAYER, ALAIN, CH
[72] SCHWARTZBURG, YULIY, CH
[72] TESTUZ, ROMAIN, CH
[72] PAULY, MARK, CH
[71] SICPA HOLDING SA, CH
[85] 2020-02-28
[86] 2018-09-28 (PCT/EP2018/076434)
[87] (WO2019/063779)
[30] EP (17194209.7) 2017-09-29

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[13] A1
[51] **Int.Cl. F23G 5/32 (2006.01) B09B 3/00 (2006.01) F23G 5/24 (2006.01)**
[25] EN
[54] **REACTOR FOR ADVANCED COMBUSTION PROCESS FOR BURNING BIOMASS AND WASTE**
[54] **REACTEUR POUR PROCEDE DE COMBUSTION AVANCEE DESTINE A BRULER DE LA BIOMASSE ET DES DECHETS**
[72] CARLOS PEREIRA FILHO, ALBERTO, BR
[71] CARLOS PEREIRA FILHO, ALBERTO, BR
[85] 2020-02-28
[86] 2018-09-03 (PCT/BR2018/050313)
[87] (WO2019/041014)
[30] BR (102017018844-2) 2017-09-01

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[13] A1
[51] **Int.Cl. A61B 17/70 (2006.01) A61B 34/10 (2016.01) A61B 17/56 (2006.01)**
[25] EN
[54] **SPINAL CORRECTION ROD IMPLANT MANUFACTURING PROCESS PART**
[54] **PARTIE DE PROCESSUS DE FABRICATION D'IMPLANT A TIGE DE CORRECTION DE COLONNE VERTEBRALE**
[72] HOBEIKA, JOE, FR
[72] INVERNIZZI, DAVID, FR
[72] CLIN, JULIEN, CA
[71] SPINOLOGICS INC., CA
[71] EOS IMAGING, FR
[85] 2020-02-28
[86] 2017-09-01 (PCT/IB2017/001163)
[87] (WO2019/043426)

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[13] A1
[51] **Int.Cl. E21B 19/08 (2006.01) E21B 19/06 (2006.01) E21B 19/22 (2006.01)**
[25] EN
[54] **PASSIVE ROTATING JOINTED TUBULAR INJECTOR**
[54] **INJECTEUR ROTATIF PASSIF ET ARTICULE D'ELEMENTS TUBULAIRES**
[72] RICHARD, DAVID LOUIS, CA
[72] MILLER, HAROLD JAMES, CA
[72] AMIC, IVAN, CA
[72] SERRAN, CHRISTOPHER JASON, CA
[72] SCHROEDER, JASON BRENT, CA
[71] AUTOMATED RIG TECHNOLOGIES LTD., CA
[85] 2020-02-28
[86] 2019-01-22 (PCT/CA2019/050078)
[87] (WO2019/144223)
[30] US (62/622,575) 2018-01-26

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[13] A1
[51] **Int.Cl. C09B 11/28 (2006.01) C09B 11/24 (2006.01) C09B 15/00 (2006.01)**
[25] EN
[54] **SMALL-MOLECULE ORGANIC DYES**
[54] **COLORANTS ORGANIQUES A PETITES MOLECULES**
[72] SPARR, CHRISTOF, CH
[72] FISCHER, CHRISTIAN, CH
[71] UNIVERSITAT BASEL, CH
[85] 2020-02-28
[86] 2018-08-28 (PCT/EP2018/073151)
[87] (WO2019/057451)
[30] EP (17188288.9) 2017-08-29

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[13] A1
[51] **Int.Cl. B65D 41/04 (2006.01) B65D 41/34 (2006.01)**
[25] EN
[54] **CAP FOR CONTAINERS WITH IMPROVED SEALING**
[54] **BOUCHON POUR RECIPIENTS A ETANCHEITE AMELIOREE**
[72] BERROA GARCIA, JAVIER, ES
[71] BETAPACK, S.A.U., ES
[71] ALMA SA, FR
[85] 2020-02-28
[86] 2017-08-31 (PCT/ES2017/070593)
[87] (WO2019/043274)

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[13] A1
[51] **Int.Cl. B07C 5/342 (2006.01)**
[25] EN
[54] **CLASSIFICATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE CLASSIFICATION**
[72] BALTHASAR, DIRK, DE
[72] MAYER, MICHAEL, DE
[72] MCGLOUGHLIN, JOHN, IE
[71] TOMRA SORTING GMBH, DE
[85] 2020-02-28
[86] 2018-09-03 (PCT/EP2018/073639)
[87] (WO2019/043231)
[30] EP (17189017.1) 2017-09-01

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) G01N 33/53 (2006.01) G01N 33/542 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **SENSOR APPARATUS AND METHOD FOR TESTING A SAMPLE**
[54] **APPAREIL CAPTEUR ET PROCEDE POUR TESTER UN ECHANTILLON**
[72] WEBER, CHRISTOPH, DE
[72] GRIESSNER, MATTHIAS, DE
[72] JENNE, NELE, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2020-02-28
[86] 2018-09-26 (PCT/EP2018/076099)
[87] (WO2019/063602)

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[13] A1
[51] **Int.Cl. H01J 49/14 (2006.01) H01J 49/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS USING A GAS MIXTURE TO SELECT IONS**
[54] **SYSTEMES ET PROCEDES METTANT EN □UVRE UN MELANGE GAZEUX POUR SELECTIONNER DES IONS**
[72] PATEL, PRITESH, US
[72] STEPHAN, CHADY, US
[72] ABOUSHAKRA, FADI, US
[71] PERKINELMER HEALTH SCIENCES CANADA, INC., CA
[85] 2020-02-28
[86] 2018-08-31 (PCT/IB2018/056682)
[87] (WO2019/043647)
[30] US (62/553,456) 2017-09-01
[30] US (62/569,513) 2017-10-07

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[13] A1
[51] **Int.Cl. A61M 5/145 (2006.01)**
[25] EN
[54] **CONTROLLED DELIVERY DRIVE MECHANISMS FOR DRUG DELIVERY PUMPS**
[54] **MECANISMES D'ENTRAINEMENT D'ADMINISTRATION COMMANDEE POUR POMPES D'ADMINISTRATION DE MEDICAMENT**
[72] HANSON, IAN B., US
[72] BENTE IV, PAUL F., US
[72] DESTEFANO, MARK A., US
[71] UNL HOLDINGS LLC, US
[85] 2020-02-28
[86] 2017-08-30 (PCT/IB2017/001047)
[87] (WO2019/043423)

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[13] A1
[51] **Int.Cl. B01J 7/00 (2006.01) C10B 47/02 (2006.01) C10B 53/02 (2006.01) C10J 3/06 (2006.01) F23G 7/00 (2006.01) F23G 7/06 (2006.01) F23J 3/00 (2006.01)**
[25] EN
[54] **WASTE PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT DE DECHETS**
[72] RIDDIFORD, MARK, NZ
[72] BREEZE, WAYNE, NZ
[71] CIRCULAR RESOURCES (IP) PTE LIMITED, SG
[85] 2020-02-28
[86] 2018-08-30 (PCT/IB2018/056653)
[87] (WO2019/043632)
[30] US (62/552,080) 2017-08-30

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[13] A1
[51] **Int.Cl. C08L 21/00 (2006.01) B60C 1/00 (2006.01) B60C 15/06 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08K 5/54 (2006.01) C08L 7/00 (2006.01) C08L 9/00 (2006.01) C08L 15/00 (2006.01)**
[25] EN
[54] **HEAVY-DUTY TIRE RUBBER COMPOSITIONS AND TIRES**
[54] **COMPOSITION DE CAOUTCHOUC DESTINEE A UN PNEUMATIQUE POUR CHARGEMENT LOURD, ET PNEUMATIQUE**
[72] KODA, DAISUKE, JP
[72] KANBARA, HIROSHI, JP
[71] KURARAY CO., LTD., JP
[85] 2020-02-28
[86] 2018-08-29 (PCT/JP2018/031916)
[87] (WO2019/044893)
[30] JP (2017-168629) 2017-09-01

[21] **3,074,377**
[13] A1
[51] **Int.Cl. B42D 25/324 (2014.01) B42D 25/435 (2014.01)**
[25] EN
[54] **THIN OPTICAL SECURITY ELEMENT AND METHOD OF DESIGNING IT**
[54] **ELEMENT MINCE DE SECURITE OPTIQUE ET SON PROCEDE DE CONCEPTION**
[72] CALLEGARI, ANDREA, CH
[72] DEGOTT, PIERRE, CH
[72] DINOEV, TODOR, CH
[72] GARNIER, CHRISTOPHE, FR
[72] MAYER, ALAIN, CH
[72] SCHWARTZBURG, YULIY, CH
[72] TESTUZ, ROMAIN, CH
[72] PAULY, MARK, CH
[71] SICPA HOLDING SA, CH
[85] 2020-02-28
[86] 2018-09-28 (PCT/EP2018/076433)
[87] (WO2019/063778)

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **TREATMENT METHOD**
[54] **METHODE DE TRAITEMENT**
[72] HART, DEREK NIGEL JOHN, AU
[72] CLARK, GEORGINA JANE, AU
[72] ABADIR, EDWARD ALAN, AU
[72] JU, XINSHENG, AU
[72] LI, ZIDUO, AU
[71] KIRA BIOTECH PTY LIMITED, AU
[85] 2020-02-28
[86] 2018-09-12 (PCT/AU2018/050987)
[87] (WO2019/051541)
[30] AU (2017903726) 2017-09-13

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SUBSTITUTED PYRROLOPYRIDINE-DERIVATIVES**
[54] **DERIVES DE PYRROLOPYRIDINE SUBSTITUES**
[72] SCHMEES, NORBERT, DE
[72] BUCHMANN, BERND, DE
[72] FRIBERG, ANDERS ROLAND, DE
[72] BRIEM, HANS, DE
[72] HUSEMANN, MANFRED, DE
[72] BOMER, ULF, DE
[72] LEDER, GABRIELE, DE
[72] CARRETERO, RAFAEL, DE
[72] STOCKIGT, DETLEF, DE
[72] OFFRINGA, RIENK, DE
[71] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2019-12-10
[86] 2018-06-07 (PCT/EP2018/065045)
[87] (WO2018/228925)
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Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant

[21] **3,072,745**
[13] A1
[25] EN
[54] **ELECTRIC UTILITY TERRAIN VEHICLE**
[54] **VEHICULE UTILITAIRE TOUT-TERRAIN ELECTRIQUE**
[72] MILTON, TREVOR R., US
[72] LYNK, KEVIN M., US
[72] HEATON, ANTHONY A., US
[72] MACKELPRANG, MORGAN, US
[72] GRAY, KYLE, US
[72] DAVIS, ROBERT DANE, US
[71] NIKOLA CORPORATION, US
[22] 2017-05-09
[41] 2017-11-16
[62] 3,023,462
[30] US (62/333,722) 2016-05-09
[30] US (15/268,249) 2016-09-16

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[13] A1
[51] **Int.Cl. G10L 19/02 (2013.01)**
[25] EN
[54] **PROCESSING OF AUDIO SIGNALS DURING HIGH FREQUENCY RECONSTRUCTION**
[54] **TRAITEMENT DE SIGNAUX AUDIO PENDANT LA RECONSTRUCTION A HAUTE FREQUENCE**
[72] KJOERLING, KRISTOFER, SE
[71] DOLBY INTERNATIONAL AB, NL
[22] 2011-07-14
[41] 2012-01-26
[62] 3,027,803
[30] US (61/365518) 2010-07-19
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[13] A1
[51] **Int.Cl. B01J 13/16 (2006.01) C09K 8/584 (2006.01)**
[25] EN
[54] **ENCAPSULATED NANOCOMPOSITIONS FOR INCREASING HYDROCARBON RECOVERY**
[54] **NANOCOMPOSITIONS ENCAPSULEES POUR AUGMENTER LA RECUPERATION D'HYDROCARBURES**
[72] CHANG, YUN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[22] 2016-04-08
[41] 2016-10-13
[62] 2,979,751
[30] US (62/145,219) 2015-04-09

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[21] **3,072,993**
[13] A1
[25] EN
[54] **CROP MACHINE WITH AN ELECTRONICALLY CONTROLLED HYDRAULIC CYLINDER FLOTATION SYSTEM**
[54] **ENGIN DE RECOLTE DOTE D'UN SYSTEME DE FLOTTEMENT PAR VERIN HYDRAULIQUE A COMMANDE ELECTRONIQUE**
[72] DUNN, JAMES T., CA
[72] LEVERICK, GRAHAM M., CA
[72] LYONS, RUSSELL G., CA
[72] SHEARER, BRUCE R., CA
[72] BOCH, KYLE E., CA
[71] MACDON INDUSTRIES LTD., CA
[22] 2017-12-11
[41] 2019-06-20
[62] 3,072,643

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[13] A1
[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/176 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **INTRA PREDICTION OF A PROCESSING BLOCK USING A PREDICTED VALUE WHICH IS PROPORTIONAL TO THE AMOUNT OF CHANGE IN THE HORIZONTAL DIRECTION OF THE SIGNAL VALUE OF A PIXEL ADJACENT TOTHE LEFT OF THE PROCESSING BLOCK**
[54] **INTRA-PREDICTION D'UN BLOC DE TRAITEMENT AU MOYEN D'UNE VALEUR PREDITE QUI EST PROPORTIONNELLE A LA QUANTITE DE CHANGEMENT DANS LA DIRECTION HORIZONTALE DE LA VALEUR DU SIGNAL D'UN PIXEL ADJACENT A LA GAUCHE DU BLOC DE TRAITEMENT**
[72] MINEZAWA, AKIRA, JP
[72] SUGIMOTO, KAZUO, JP
[72] SEKIGUCHI, SHUNICHI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[22] 2012-05-30
[41] 2012-12-27
[62] 3,011,659
[30] JP (2011-140598) 2011-06-24
[30] JP (2012-009115) 2012-01-19

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/6809 (2018.01) G16B 20/10 (2019.01) C12N 15/10 (2006.01)**
[25] EN
[54] **PROCESSES AND COMPOSITIONS FOR METHYLATION-BASED ENRICHMENT OF FETAL NUCLEIC ACID FROM A MATERNAL SAMPLE USEFUL FOR NON-INVASIVE PRENATAL DIAGNOSES**
[54] **PROCEDES ET COMPOSITIONS POUR ENRICHISSEMENT BASE SUR LA METHYLATION EN ACIDE NUCLEIQUE FOETAL DANS UN ECHANTILLON MATERNEL, UTILES POUR LES DIAGNOSTICS PRENATALS NON INVASIFS**
[72] ENRICH, MATHIAS, US
[72] NYGREN, ANDERS OLOF HERMAN, US
[71] SEQUENOM, INC., US
[71] SEQUENOM CENTER FOR MOLECULAR MEDICINE, US
[22] 2009-09-16
[41] 2010-03-25
[62] 2,737,200
[30] US (61/192,264) 2008-09-16

[21] **3,073,144**
[13] A1
[25] EN
[54] **STORAGE SYSTEMS INCLUDING SHELVES AND HANG RODS SUPPORTED BENEATH THE SHELVES**
[54] **SYSTEMES DE RANGEMENT COMPRENANT DES TABLETTES ET DES BARRES A VETEMENT SOUTENUES SOUS LES TABLETTES**
[72] BEUSES, ENRIQUE, US
[72] JONES, THOMAS, US
[72] BISHOP, RYAN, US
[71] CLAIRSON INC., US
[22] 2017-08-23
[41] 2018-02-24
[62] 2,977,136
[30] US (62/379,046) 2016-08-24
[30] US (62/451,168) 2017-01-27
[30] US (15/434,877) 2017-02-16

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[13] A1
[51] **Int.Cl. B41J 3/00 (2006.01) A47B 96/20 (2006.01) B41J 2/01 (2006.01) B41M 5/50 (2006.01) B44C 5/04 (2006.01) E04F 15/10 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING PANELS HAVING A DECORATIVE SURFACE**
[54] **PROCEDE DE FABRICATION DE PANNEAUX AYANT UNE SURFACE DECORATIVE**
[72] CLEMENT, BENJAMIN, BE
[72] DE BOE, LUC, BE
[71] UNILIN, BVBA, BE
[22] 2013-08-01
[41] 2014-02-13
[62] 2,877,601
[30] EP (12179400.2) 2012-08-06
[30] US (61/751,364) 2013-01-11

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[13] A1
[51] **Int.Cl. H02P 6/22 (2006.01) A61B 17/00 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **AUTOCLAVE TOLERANT BATTERY POWERED MOTORIZED SURGICAL HAND PIECE TOOL AND MOTOR CONTRO METHOD**
[54] **OUTIL DE PIECE A MAIN CHIRURGICAL, MOTORISE ET ALIMENTE PAR BATTERIE SUPPORTANT L'AUTOCLAVE ET PROCEDE DE COMMANDE DE MOTEUR**
[72] MACDONALD, ALISTAIR M., US
[72] SIEH, JOHN K., US
[72] DECESARE, MICHAEL J., US
[72] KIENMAN, RICHARD E., US
[72] GONZALEZ, DAVID, US
[72] MEDERO, RICHARD, US
[71] CONMED CORPORATION, US
[22] 2016-04-01
[41] 2016-10-06
[62] 2,981,610
[30] US (62/142,595) 2015-04-03

[21] **3,073,241**
[13] A1
[25] EN
[54] **ROTARY OSCILLATING BONE, CARTILAGE, AND DISK REMOVAL TOOL ASSEMBLY**
[54] **ENSEMBLE OUTIL OSCILLANT, ROTATIF, DE RETRAIT D'OS, DE CARTILAGE ET DE DISQUE**
[72] BONO, PETER L., US
[72] LARK, JAMES D., US
[72] FREIMARK, COREY A., US
[72] RUHALA, ANTHONY J., US
[71] BONO, PETER L., US
[22] 2013-04-18
[41] 2013-11-14
[62] 2,873,234
[30] US (13/469,665) 2012-05-11

[21] **3,073,243**
[13] A1
[25] EN
[54] **STEAM BASED FAUX FIREPLACE**
[54] **FAUX FOYER A BASE DE VAPEUR**
[72] SWANSON, JASON, US
[72] DANIEL, DAVID, US
[72] DOSS, JEFF, US
[72] WEDGE, JOSH, US
[71] MODERN FLAMES, LLC, US
[22] 2017-11-06
[41] 2018-07-12
[62] 3,055,173
[30] US (62/444,073) 2017-01-09
[30] US (15/497,694) 2017-04-26

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/0783 (2010.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/04 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 16/18 (2006.01) C12N 5/10 (2006.01) C12N 9/10 (2006.01) C12N 9/64 (2006.01) C12N 15/12 (2006.01) C12N 15/54 (2006.01) C12N 15/57 (2006.01)**
[25] EN
[54] **NOVEL IMMUNOTHERAPY AGAINST SEVERAL TUMORS, SUCH AS LUNG CANCER, INCLUDING NSCLC**
[54] **NOUVELLE IMMUNOTHERAPIE CONTRE PLUSIEURS TUMEURS, TELS QUE LE CANCER DU POUMON, COMPRENANT LE CANCER DU POUMON A GRANDES CELLULES**
[72] WEINSCHENK, TONI, DE
[72] WALTER, STEFFEN, DE
[72] FRITSCHE, JENS, DE
[72] SONG, COLETTE, DE
[72] SINGH, HARPREET, DE
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[22] 2014-08-04
[41] 2015-02-12
[62] 3,020,939
[30] US (61/862,213) 2013-08-05
[30] GB (1313987.8) 2013-08-05
[30] GB (1403297.3) 2014-02-25

[21] **3,073,264**
[13] A1
[25] EN
[54] **FLOW SENSOR SYSTEM WITH CONNECTION ASSEMBLY**
[54] **SYSTEME DE CAPTEUR DE DEBIT AVEC ENSEMBLE DE CONNEXION**
[72] BOCHENKO, WALTER JOHN, US
[71] CRISI MEDICAL SYSTEMS, INC., US
[22] 2016-08-25
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[54] **NOUVELLE IMMUNOTHERAPIE CONTRE PLUSIEURS TUMEURS, TELS QUE LE CANCER DU POUMON, COMPRENANT LE CANCER DU POUMON A GRANDES CELLULES**
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[54] **PROCEDES ET SYSTEMES PERMETTANT D'EVITER DES EFFETS DE LIMITE D'ECHANGE NEGATIFS**
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[54] **SYSTEM, METHOD, AND APPLICATION FOR EXCHANGING CONTENT IN A SOCIAL NETWORK ENVIRONMENT**
[54] **SYSTEME, METHODE ET DEMANDE D'ECHANGE DE CONTENU DANS UN ENVIRONNEMENT DE RESEAU SOCIAL**
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Index of Canadian Patents Issued

March 17, 2020

Index des brevets canadiens délivrés

17 mars 2020

Index of Canadian Applications Open to Public Inspection

March 1, 2020 to March 7, 2020

Index des demandes canadiennes mises à la disponibilité du public

1 mars 2020 au 7 mars 2020

Index des demandes canadiennes mises à la disponibilité du public
1 mars 2020 au 7 mars 2020

Index of Canadian Applications Open to Public Inspection
March 1, 2020 to March 7, 2020

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index of Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

Index des demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant