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. 150 No. 17 April 26, 2022

Vol. 150 No. 17 le 26 avril 2022

Canada

CIPO OPIC

THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

1. Transmittal Fee (Rule 14)	**$300**
2. International Filing Fee	**$1961***
For each additional sheet over 30	**$22**
3. International Search Fee	**$1600**

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

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

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 3 juin 2020

1. Taxe de transmission (Règle 14)	**300 $**
2. Taxe de dépôt internationale	**1961 $***
Pour chaque feuille au delà de 30	**22 $**
3. Taxe de recherche internationale	**1600 $**

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*))	**$295**
6. Preliminary examination fee (Rule 58)	**$800**

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*))	**295 $**
6. Taxe d'examen préliminaire (Règle 58)	**800 $**

* Les frais seront réduits de:

- **295 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Copyright

Droits d'auteur

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 April 26, 2022 contains applications open to public inspection from April 10, 2022 to April 16, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 26 avril 2022 contient les demandes disponibles au public pour consultation pour la période du 10 avril 2022 au 16 avril 2022.

Canadian Patents Issued

April 26, 2022

Brevets canadiens délivrés

26 avril 2022

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[54] **COMPOSITION AND USE OF PHYTO-PERCOLATE FOR TREATMENT OF DISEASE**
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[54] **ISOLATED BACTERIAL STRAIN OF THE GENUS BURKHOLDERIA AND PESTICIDAL METABOLITES THEREFROM**
[54] **SOUCHE BACTERIENNE ISOLEE DU GENRE BURKHOLDERIA ET METABOLITES PESTICIDES ISSUS DE CETTE SOUCHE**
[72] ASOLKAR, RATNAKAR, US
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[72] RACHID, OUSAMA, CA
[72] RAWAS-QALAJI, MUTASEM, US
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[72] LOCK, FRANCES E., CA
[72] DEDHAR, SHOUKAT, CA
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[54] **SAFETY DEVICE AND METHOD FOR ELECTRICAL INSTALLATION**
[54] **DISPOSITIF ET PROCEDE DE SECURITE POUR INSTALLATION ELECTRIQUE**
[72] LAPORTE, ALEXANDRE, FR
[72] VINCENT, FRANCOIS, FR
[72] PELLEGRIN, CHRISTIAN, FR
[73] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
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[54] **A MULTI-BIOMARKER-BASED OUTCOME RISK STRATIFICATION MODEL FOR PEDIATRIC SEPTIC SHOCK**
[54] **MODELE DE STRATIFICATION DES RISQUES, FONDE SUR DE MULTIPLES BIOMARQUEURS, CONCERNANT L'ISSUE D'UN CHOC SEPTIQUE CHEZ L'ENFANT**
[72] WONG, HECTOR R., US
[72] LINDSELL, CHRISTOPHER JOHN, US
[72] SALISBURY, SHELIA, US
[73] CHILDREN'S HOSPITAL MEDICAL CENTER, US
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[54] **DEHYDRATION OF WATER CONTAINING SOURCE OF FORMALDEHYDE, AND A METHOD FOR PRODUCING AN ETHYLENICALLY UNSATURATED CARBOXYLIC ESTER**
[54] **DESHYDRATATION D'EAU CONTENANT UNE SOURCE DE FORMALDEHYDE, ET PROCEDE DE PRODUCTION D'UN ESTER CARBOXYLIQUE ETHYLENIQUEMENT INSATURE**
[72] HIMENO, YOSHIYUKI, JP
[72] OOYACHI, KEN, JP
[72] KONDO, MASAHIDE, JP
[73] MITSUBISHI CHEMICAL UK LIMITED, GB
[85] 2014-08-14
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[54] **CELL PREPARATION INCLUDING FAT CELL**
[54] **PREPARATION CELLULAIRE INCLUANT UNE CELLULE ADIPEUSE**
[72] SAEKI, MASANORI, JP
[73] SAEKI, MASANORI, JP
[85] 2014-08-22
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[54] **SYSTEM AND METHOD TO MODULATE PHRENIC NERVE TO PREVENT SLEEP APNEA**
[54] **SYSTEME ET PROCEDE POUR MODULER LE NERF PHRENIQUE ET PREVENIR L'APNEE DU SOMMEIL**
[72] GELFAND, MARK, US
[72] LEVIN, HOWARD R., US
[72] HALPERT, ANDREW, US
[73] ZOLL RESPICARDIA, INC., US
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[25] EN
[54] **SYSTEMS, METHODS AND APPARATUSES FOR THE SECURE TRANSMISSION OF MEDIA CONTENT**
[54] **SYSTEMES, PROCEDES ET APPAREILS POUR LA TRANSMISSION SECURISEE D'UN CONTENU MULTIMEDIA**
[72] IGNATCHENKO, SERGEY, AT
[72] IVANCHYKHIN, DMYTRO, UA
[73] OLOGN TECHNOLOGIES AG, LI
[85] 2014-08-26
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[54] **MOLD BLOCK RETURN**
[54] **RETOUR DE BLOC DE MOULAGE**
[72] LUPKE, MANFRED A. A., CA
[72] LUPKE, STEFAN A., CA
[73] LUPKE, MANFRED A. A., CA
[73] LUPKE, STEFAN A., CA
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[54] **HIGH-VOLTAGE TRANSFORMER**
[54] **TRANSFORMATEUR A HAUTE TENSION**
[72] WEBER, BENJAMIN, DE
[72] TEPPER, JENS, DE
[72] ASSHAUER, TOBIAS, DE
[72] CHUDOBBA, UDO, DE
[73] HITACHI ENERGY SWITZERLAND AG, CH
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[54] **BLOW MOLDING COMPOSITION AND PROCESS**
[54] **COMPOSITION ET PROCEDE DE MOULAGE PAR SOUFFLAGE**
[72] BOTROS, MATTHEW ZAKI, CA
[72] LIGHTBODY, OWEN C., CA
[72] WALDIE, FRASER D. COLE, CA
[72] ARNOULD, GILBERT ALEXANDER, CA
[72] TIKUISIS, TONY, CA
[72] RAJKOVIC, ANNA, CA
[73] NOVA CHEMICALS CORPORATION, CA
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[54] **A TUBE SECUREMENT SYSTEM**
[54] **SYSTEME DE FIXATION DE TUBE**
[72] GULLIVER, LAURENCE, NZ
[72] HOPKINS, CAROLINE GERALDINE, NZ
[72] DUTHIE, NEIL GRAY, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
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[54] **COMPOSITIONS, METHODS AND KITS TO DETECT HERPES SIMPLEX VIRUS NUCLEIC ACIDS**
[54] **COMPOSITIONS, PROCEDES ET TROUSSES POUR DETECTER DES ACIDES NUCLEIQUES DU VIRUS DE L'HERPES SIMPLEX**
[72] GETMAN, DAMON KITTREDGE, US
[72] AIYER, APARNA, US
[73] GEN-PROBE INCORPORATED, US
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[54] **DETERMINING ACCESS TO COMMENTS**
[54] **GESTION DE L'ACCES A DES COMMENTAIRES**
[72] COLLINS, ALEXANDER, US
[72] KORN, JEFFREY, US
[72] DARUWALA, RAOUL-SAM DHUN, US
[73] GOOGLE LLC, US
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[54] **HIGH-CONCENTRATION MONOCLONAL ANTIBODY FORMULATIONS**
[54] **FORMULATIONS D'ANTICORPS MONOCLONAL A CONCENTRATION ELEVEE**
[72] ARMSTRONG, NICHOLAS J., US
[72] BOWEN, MAYUMI N., US
[72] MAA, YUH-FUN, US
[73] GENENTECH, INC., US
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[25] EN
[54] **METHOD AND APPARATUS FOR PRECISION MEASUREMENTS ON A TOUCH SCREEN**
[54] **METHODE ET APPAREIL DE MESURES DE PRECISION SUR UN ECRAN TACTILE**
[72] REED, KENNETH TODD, CA
[72] DRAPER, JONATHAN NEIL, CA
[73] CALGARY SCIENTIFIC INC., CA
[86] (2873807)
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[54] **METHOD OF MANUFACTURING A PLANT RECEPTACLE AS WELL AS A PLANT RECEPTACLE**
[54] **PROCEDE DE FABRICATION D'UN RECEPTACLE DE PLANTE ET RECEPTACLE DE PLANTE**
[72] ELLEGAARD, MERETHE, DK
[72] KULMBACH, CARSTEN, DK
[73] PLANTPAPER HOLDING APS, DK
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[25] EN
[54] **SUBSTITUTED TRICYCLIC COMPOUNDS AS FGFR INHIBITORS**
[54] **COMPOSES TRICYCLIQUES SUBSTITUES UTILISES COMME INHIBITEURS DE FGFR**
[72] WU, LIANGXING, US
[72] ZHANG, COLIN, US
[72] HE, CHUNHONG, US
[72] SUN, YAPING, US
[72] LU, LIANG, US
[72] QIAN, DING-QUAN, US
[72] XU, MEIZHONG, US
[72] ZHUO, JINCONG, US
[72] YAO, WENQING, US
[73] INCYTE HOLDINGS CORPORATION, US
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[30] US (61/659,245) 2012-06-13
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[51] **Int.Cl. B67D 1/04 (2006.01) B67D 7/02 (2010.01) B29C 49/06 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **CONTAINER AND SET OF PREFORMS FOR FORMING A CONTAINER**
[54] **CONTENANT ET ENSEMBLE DE PREFORMES POUR FORMER UN CONTENANT**
[72] WITTE, PIETER GERARD, NL
[72] PAAUWE, ARIE MAARTEN, NL
[72] BAX, BART JAN, NL
[73] HEINEKEN SUPPLY CHAIN B.V., NL
[85] 2015-01-23
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[54] **BRACING BRIDGING MEMBER**
[54] **ELEMENT DE LIEN A SUPPORT**
[72] DAUDET, LARRY RANDALL, US
[72] LIN, JIN-JIE, US
[73] SIMPSON STRONG-TIE COMPANY, INC., US
[86] (2880759)
[87] (2880759)
[22] 2015-02-03
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[54] **AUTONOMOUS WINTER SOLAR PANEL**
[54] **PANNEAU SOLAIRE D'HIVER AUTONOME**
[72] BAIRD, HAROLD RUSSELL, US
[72] ADLER, JEFFREY SCOTT, CA
[73] BAIRD, HAROLD RUSSELL, US
[73] ADLER, JEFFREY SCOTT, CA
[85] 2015-02-06
[86] 2013-08-07 (PCT/CA2013/000695)
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[25] EN
[54] **FRESH WATER PRICE INDEX BASED ON WATER QUALITY**
[54] **INDICE DE PRIX D'EAU DOUCE SUR LA BASE DE LA QUALITE DE L'EAU**
[72] SHIRAZI, YAACOV, IL
[73] AQUA INDEX LTD., IL
[85] 2014-10-28
[86] 2013-05-02 (PCT/IB2013/053478)
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[51] **Int.Cl. A61F 2/24 (2006.01)**
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[54] **HEART VALVE SEALING DEVICES**
[54] **DISPOSITIFS DE SCELLEMENT ETANCHE DE VALVULE CARDIAQUE**
[72] CHAU, MARK, US
[72] OBA, TRAVIS, US
[72] DELGADO, SERGIO, US
[72] TAFT, ROBERT C., US
[72] ROWE, STANTON J., US
[72] COOPER, ALEXANDER H., US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[86] 2013-08-30 (PCT/US2013/057555)
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[25] EN
[54] **INTERLOCK ASSEMBLIES FOR REPLACEABLE LOADING UNIT**
[54] **ASSEMBLAGES BLOQUANTS POUR MODULE DE CHARGEMENT REMPLACABLE**
[72] PENNA, CHRISTOPHER, US
[72] MOZDZIERZ, PATRICK, US
[72] SCIRICA, PAUL, US
[72] WILLIAMS, JUSTIN, US
[73] COVIDIEN LP, US
[86] (2883236)
[87] (2883236)
[22] 2015-02-26
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[51] **Int.Cl. H04H 60/09 (2009.01) H04H 60/46 (2009.01)**
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[54] **MULTI-INPUT PLAYLIST SELECTION**
[54] **SELECTION D'UNE LISTE DE LECTURE A ENTREES MULTIPLES**
[72] MOSS, MICHAEL, US
[72] CALAMERA, PABLO M., US
[72] SULT, RYAN R., US
[72] HAMRE, LASSE, US
[72] RADLEY, STEVEN F., US
[73] IHEARTMEDIA MANAGEMENT SERVICES, INC., US
[85] 2015-04-07
[86] 2013-09-06 (PCT/US2013/058571)
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[30] US (61/698,566) 2012-09-07
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[25] EN
[54] **METHODS AND SYSTEMS FOR MANAGING SUPPLY CHAIN PROCESSES AND INTELLIGENCE**
[54] **PROCEDES ET SYSTEMES DE GESTION DES PROCESSUS ET DE LA VEILLE EN MATIERE DE CHAINE D'APPROVISIONNEMENT**
[72] SIIG, OLE, CH
[72] LEFF, JONATHAN, US
[72] LEIDNER, JOCHEN LOTHAR, CH
[72] YAW, YAN CHONG, SG
[72] SMITH, GEOFFREY C., GB
[73] FINANCIAL & RISK ORGANISATION LIMITED, GB
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[86] 2013-08-26 (PCT/US2013/056638)
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[25] EN
[54] **LIGHT FIELD PROJECTORS AND METHODS**
[54] **PROJECTEURS ET PROCEDES DE CHAMP LUMINEUX**
[72] DAMBERG, GERWIN, CA
[72] BALLESTAD, ANDERS, CA
[73] MTT INNOVATION INCORPORATED, CA
[86] (2890405)
[87] (2890405)
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[51] **Int.Cl. F02C 9/00 (2006.01) G01F 25/10 (2022.01) B64D 31/00 (2006.01) F02C 6/08 (2006.01) F02C 9/18 (2006.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR DETERMINING THE FLOW RATE OF AIR COLLECTED FROM AN AIRCRAFT ENGINE**
[54] **PROCEDE ET SYSTEME DE DETERMINATION DE DEBIT D'AIR PRELEVE SUR UN MOTEUR D'AERONEF**
[72] GAULLY, BRUNO ROBERT, FR
[72] CABRET, VINCENT, FR
[72] OLIVIER, AMAURY, FR
[72] SEBAA, JEROME GUY ROGER, FR
[73] SNECMA, FR
[85] 2015-05-07
[86] 2013-10-31 (PCT/FR2013/052608)
[87] (WO2014/072619)
[30] FR (1260632) 2012-11-09
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[25] EN
[54] **HYDROCARBON STIMULATION BY ENERGETIC CHEMISTRY**
[54] **STIMULATION D'HYDROCARBURE PAR PROCEDE CHIMIQUE ENERGETIQUE**
[72] LAWRENCE, SALLY, CA
[72] WEISSENBERGER, MARKUS, CA
[73] LOS ACQUISITION CO I LLC, US
[86] (2892343)
[87] (2892343)
[22] 2015-05-22
[30] US (62/002,342) 2014-05-23

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[25] EN
[54] **ALGAL MUTANTS HAVING A LOCKED-IN HIGH LIGHT ACCLIMATED PHENOTYPE**
[54] **MUTANTS D'ALGUE AYANT UN PHENOTYPE D'ACCLIMATATION A LA LUMIERE INTENSE INCLUS**
[72] BAILEY, SHAUN, US
[72] MCCARREN, JAY, US
[72] LIEBERMAN, SOYAN LEUNG, US
[72] MEUSER, JONATHAN E., US
[72] ROMANO, ANNA E., US
[72] YEE, DANIEL, US
[72] SORIAGA, LEAH, US
[72] BROWN, ROBERT C., US
[72] WEISSMAN, JOSEPH C., US
[72] PRINCE, ROGER C., US
[72] NIELSEN, ROBERT D., US
[72] SCHWARTZ, ARIEL S., US
[73] SYNTHETIC GENOMICS, INC., US
[85] 2015-05-29
[86] 2013-12-06 (PCT/US2013/073741)
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[30] US (61/733,956) 2012-12-06
[30] US (61/810,216) 2013-04-09
[30] US (61/869,590) 2013-08-23
[30] US (61/881,342) 2013-09-23

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[13] C
[51] **Int.Cl. E04F 21/18 (2006.01) E04F 21/20 (2006.01)**
[25] EN
[54] **LEVELING SPACER FOR LAYING TILES, FLOOR TILES AND THE LIKE WITH THE INTERPOSITION OF GAPS**
[54] **ESPACEUR NIVELEUR DESTINE A LA POSE DE CARREAUX, CARREAUX A PLANCHER ET AUTRES SEMBLABLES NECESSITANT L'INTERPOSITION D'ESPACEMENTS**
[72] BORDIN, LINO, IT
[73] PROGRESS PROFILES SPA, IT
[86] (2893364)
[87] (2893364)
[22] 2015-06-02
[30] IT (PD2014A000136) 2014-06-04

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[51] **Int.Cl. C10M 161/00 (2006.01) C10M 137/10 (2006.01) C10M 145/22 (2006.01)**
[25] EN
[54] **LUBRICATING OIL COMPOSITION CONTAINING POLYMERIC FRICTION MODIFIERS HAVING, FUNCTIONALIZED POLYOLEFIN, POLYALKYLENE GLYCOL, POLYOL, AND POLYCARBOXYLIC ACID THEREIN**
[54] **COMPOSITION D'HUILE DE LUBRIFICATION CONTENANT DES MODIFICATEURS DE FROTTEMENT POLYMERIQUES COMPOSES DE POLYOLEFINE FONCTIONNALISEE, DE POLYALKYLENE GLYCOL, DE POLYOL ET D'ACIDE POLYCARBOXYLIQUE**
[72] STRONG, ANTHONY JAMES, GB
[72] WOODWARD, PHILIP JAMES, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2893404)
[87] (2893404)
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[30] EP (14170788.5) 2014-06-02

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[51] **Int.Cl. C10M 161/00 (2006.01) C10M 135/18 (2006.01) C10M 145/22 (2006.01)**
[25] EN
[54] **POLYMERIC FRICTION MODIFIERS CONSISTING OF ONE OR MORE SELECT FUNCTIONALIZED POLYOLEFINS, POLYALKYLENE GLYCOLS,POLYOLS, AND POLYCARBOXYLIC ACIDS FOR USE IN A MOLYBDENUM COMPOUND-CONTAINING LUBRICATING OIL COMPOSITION**
[54] **MODIFICATEURS DE FROTTEMENT POLYMERIQUES COMPOSES D'UNE OU PLUSIEURS POLYOLEFINES FONCTIONNALISEES SELECTIONNEES, DE POLYALKYLENES GLYCOLS, DE POLYOLS ET D'ACIDES POLYCARBOXYLIQUES A UTILISER DANS UNE COMPOSITIOND'HUILE DE LUBRIFICATION CONTENANT UN COMPOSE DE MOLYBDENE**
[72] STRONG, ANTHONY JAMES, GB
[72] WOODWARD, PHILIP JAMES, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2893421)
[87] (2893421)
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[25] EN
[54] **ADAPTIVE ARM SUPPORT SYSTEMS AND METHODS FOR USE**
[54] **SYSTEMES DE SUPPORT DE BRAS ADAPTATIFS ET PROCEDES D'UTILISATION**
[72] DOYLE, MARK C., US
[73] ENHANCE TECHNOLOGIES, LLC, US
[85] 2015-06-02
[86] 2013-12-10 (PCT/US2013/074220)
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[25] EN
[54] **ADJUSTABLE RACK AND METHOD OF MAKING AND USING THE SAME**
[54] **SUPPORT REGLABLE ET SON PROCEDE DE FABRICATION ET D'UTILISATION**
[72] FRAZIER, DOUGLAS, US
[73] ENVIRONMENTAL COMPLIANCE SOLUTIONS, LLC, US
[86] (2894345)
[87] (2894345)
[22] 2015-06-15
[30] US (62/011,995) 2014-06-13
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[25] EN
[54] **WELL CONSTRUCTION MANAGEMENT AND DECISION SUPPORT SYSTEM**
[54] **SYSTEME DE GESTION DE CONSTRUCTION DE PUITS ET D'AIDE A LA DECISION**
[72] HILDEBRAND, GINGER, US
[72] COFFMAN, CHUNLING GU, US
[72] ISANGULOV, RUSTAM, US
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2015-06-08
[86] 2013-12-20 (PCT/US2013/076978)
[87] (WO2014/100613)
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[51] **Int.Cl. G06F 16/903 (2019.01) G06F 16/901 (2019.01)**
[25] EN
[54] **SYSTEM, METHOD AND INTERFACE FOR PROVIDING A SEARCH RESULT USING SEGMENT CONSTRAINTS**
[54] **SYSTEME, METHODE ET INTERFACE PERMETTANT DE FOURNIR UN RESULTAT DE RECHERCHE EN UTILISANT DES CONTRAINTES DE SEGMENT**
[72] LINDBERG, ERIK M., US
[72] PUZDER, ANDREW CHRISTIAN, US
[72] MOULINIER, ISABELLE, US
[72] DORR, DIETMAR, US
[72] ANDERSON, BENJAMIN, US
[73] THOMSON REUTERS ENTERPRISE CENTRE GMBH, CH
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[54] **ANTI-SLIP SCREWDRIVER BIT**
[54] **EMBOUT DE TOURNEVIS ANTIDERAPANT**
[72] FORAN, ANDREW JOHN, CA
[73] FORAN, ANDREW JOHN, CA
[86] (2898480)
[87] (2898480)
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[25] EN
[54] **REAR MOUNT ASSEMBLY FOR GAS TURBINE ENGINE**
[54] **DISPOSITIF D'INSTALLATION ARRIERE POUR TURBINE A GAZ**
[72] ELEFTHERIOU, ANDREAS, CA
[72] OLVER, BRYAN, CA
[72] ALECU, CARMEN, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2898818)
[87] (2898818)
[22] 2015-07-28
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[25] EN
[54] **PATIENT-SPECIFIC MEDICATION MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE MEDICAMENTS SPECIFIQUE A UN PATIENT**
[72] GUPTA, VIKAS, US
[72] BOLLISH, STEPHEN J., US
[72] BERGLUND, GAIL, US
[72] VANDERVEEN, TIMOTHY W., US
[72] DAVISON, ALAN, US
[72] HALBERT, DONALD, US
[72] GUERRA, JESSE J., US
[73] CAREFUSION 303, INC., US
[85] 2015-08-06
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[25] EN
[54] **SYSTEM FOR COLLECTING AND PRESERVING TISSUE CORES**
[54] **SYSTEME POUR RECUEILLIR ET CONSERVER DES NOYAUX DE TISSU**
[72] MARK, JOSEPH L., US
[72] DOUGHERTY, BRIAN C., US
[72] TROMPEN, MICK, US
[73] NICO CORPORATION, US
[85] 2015-08-19
[86] 2014-02-06 (PCT/US2014/015006)
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[25] EN
[54] **EVAPORATIVE COOLING SYSTEM WITH LIQUID-TO-AIR MEMBRANE ENERGY EXCHANGER**
[54] **SYSTEME DE REFROIDISSEMENT PAR EVAPORATION DOTE D'UN ECHANGEUR D'ENERGIE A MEMBRANE LIQUIDE-AIR**
[72] LEPOUDRE, PHILIP PAUL, CA
[73] NORTEK AIR SOLUTIONS CANADA, INC., CA
[85] 2015-09-04
[86] 2014-02-25 (PCT/CA2014/000148)
[87] (WO2014/138851)
[30] US (61/799,321) 2013-03-15
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[25] EN
[54] **TRANSMISSION OF ACKNOWLEDGEMENTINFORMATION IN ADAPTIVELY CONFIGURED TDD COMMUNICATION SYSTEMS**
[54] **EMISSION D'INFORMATIONS D'ACCUSE DE RECEPTION DANS DES SYSTEMES DE COMMUNICATION TDD CONFIGURES DE MANIERE ADAPTATIVE**
[72] PAPASAKELLARIOU, ARIS, US
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2015-09-08
[86] 2014-03-13 (PCT/KR2014/002134)
[87] (WO2014/142588)
[30] US (61/780,227) 2013-03-13
[30] US (61/824,855) 2013-05-17
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[25] EN
[54] **INTELLIGENT INTEGRATED CONTROL SYSTEM AND METHOD**
[54] **SYSTEME DE COMMANDE INTELLIGENT INTEGRE ET PROCEDE**
[72] BURNS, DONALD W., US
[72] ZELLER, ROBERT J., US
[73] ROLLS-ROYCE CORPORATION, US
[85] 2015-09-10
[86] 2013-11-18 (PCT/US2013/070511)
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[25] EN
[54] **NANOLAMINATE COATINGS**
[54] **REVETEMENTS NANOSTRATIFIES**
[72] LOMASNEY, PATRICK, US
[72] LOMASNEY, CHRISTINA A., US
[73] MODUMETAL, INC., US
[85] 2015-09-10
[86] 2014-03-18 (PCT/US2014/031096)
[87] (WO2014/146114)
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[51] **Int.Cl. H01H 83/04 (2006.01)**
[25] EN
[54] **SELF-TESTING AUTO MONITOR GROUND FAULT CIRCUIT INTERRUPTER (GFCI) WITH POWER DENIAL**
[54] **DISJONCTEUR DE FUITE A LA TERRE (GFCI) A AUTOCONTROLE ET AUTO-VERIFICATION A INTERRUPTION DE PUISSANCE**
[72] BATKO, THOMAS JAMES, US
[72] DEBARTOLO, JOSEPH VINCENT, US
[73] HUBBELL INCORPORATED, US
[85] 2015-09-11
[86] 2014-03-12 (PCT/US2014/025039)
[87] (WO2014/151124)
[30] US (61/791,114) 2013-03-15
[30] US (14/203,610) 2014-03-11

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[51] **Int.Cl. H01Q 1/38 (2006.01) H01Q 7/00 (2006.01)**
[25] EN
[54] **STAMPED ANTENNA AND METHOD OF MANUFACTURING**
[54] **ANTENNE ESTAMPEE ET PROCEDE DE FABRICATION**
[72] KURZ, ARTHUR, US
[72] ANDREWS, MARK, US
[73] A.K. STAMPING COMPANY, INC., US
[85] 2015-09-14
[86] 2014-03-12 (PCT/US2014/023861)
[87] (WO2014/150641)
[30] US (13/833,888) 2013-03-15

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[25] EN
[54] **METHOD AND APPARATUS FOR TRANSMISSION AND RECEPTION OF IN-BAND ON-CHANNEL RADIO SIGNALS INCLUDING COMPLEMENTARY LOW DENSITY PARITY CHECK CODING**
[54] **PROCEDE ET APPAREIL POUR EMISSION ET RECEPTION DE SIGNAUX RADIO INTRABANDE SUR CANAL COMPRENANT UN CODAGE DE CONTROLE COMPLEMENTAIRE DE PARITE A BASSE DENSITE**
[72] KROEGER, BRIAN W., US
[72] PEYLA, PAUL J., US
[73] IBIQUITY DIGITAL CORPORATION, US
[85] 2015-09-14
[86] 2014-03-13 (PCT/US2014/026135)
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[25] EN
[54] **JOINT INVERSION OF GEOPHYSICAL ATTRIBUTES**
[54] **INVERSION CONJOINTE D'ATTRIBUTS GEOPHYSIQUES**
[72] MIOTTI, FABIO MARCO, IT
[72] LOVATINI, ANDREA, IT
[72] GUERRA, IVAN, IT
[73] SCHLUMBERGER CANADA LIMITED, CA
[85] 2015-09-22
[86] 2014-04-01 (PCT/US2014/032475)
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[30] US (61/807,681) 2013-04-02
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[51] **Int.Cl. A61F 2/46 (2006.01) A61F 2/34 (2006.01)**
[25] EN
[54] **ACETABULAR CUP PROSTHESIS POSITIONING INSTRUMENT AND METHOD**
[54] **INSTRUMENT ET PROCEDE DE POSITIONNEMENT DE PROTHESE DE CUPULE ACETABULAIRE**
[72] LI, DI, CA
[72] AMIOT, LOUIS-PHILIPPE, CA
[72] JANSEN, HERBERT, CA
[72] PARADIS, FRANCOIS, CA
[72] ROBITAILLE, ISABELLE, CA
[72] FALARDEAU, BRUNO, CA
[72] DUVAL, KARINE, CA
[72] VALIN, MYRIAM, CA
[72] LEONE, YVAN, CA
[72] BRETON, YONIK, CA
[72] PELLETIER, BENOIT, CA
[72] CASAUBON, JEROME, CA
[72] CHEVRIER, MATHIEU, CA
[73] ORTHOSOFT ULC, CA
[85] 2015-10-05
[86] 2014-06-11 (PCT/CA2014/050542)
[87] (WO2014/197988)
[30] US (61/833,654) 2013-06-11

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[51] **Int.Cl. E04B 1/41 (2006.01) E04B 1/38 (2006.01) F16B 1/00 (2006.01)**
[25] EN
[54] **DECK ATTACHMENT BRACKETS AND BUILDING USING SAME**
[54] **SUPPORT DE FIXATION DE PLATEFORME ET BATIMENT EMPLOYANT LEDIT SUPPORT**
[72] BOUCHARD, JEAN-FRANCOIS, CA
[73] BOUCHARD, JEAN-FRANCOIS, CA
[86] (2911115)
[87] (2911115)
[22] 2015-11-02
[30] CA (2,869,341) 2014-11-03

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[51] **Int.Cl. C02F 1/44 (2006.01) B01D 61/00 (2006.01) B01D 61/06 (2006.01) B01D 65/02 (2006.01)**
[25] EN
[54] **METHOD OF OPERATING A PRESSURE-RETARDED OSMOSIS PLANT**
[54] **PROCEDE D'EXPLOITATION D'UNE UNITE D'OSMOSE RETARDEE PAR PRESSION**
[72] LIBERMAN, BORIS, IL
[73] I.D.E. TECHNOLOGIES LTD., IL
[85] 2015-11-26
[86] 2014-06-02 (PCT/IB2014/061898)
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[30] GB (1309873.6) 2013-06-03

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[51] **Int.Cl. A01B 79/00 (2006.01) A01G 25/16 (2006.01) A01G 31/00 (2018.01) A01G 31/02 (2006.01)**
[25] EN
[54] **PLANT GROWTH SYSTEM**
[54] **SYSTEME DE CROISSANCE D'UN VEGETAL**
[72] DE GROOT, JACOB FRANK, NL
[72] VAN DER VEEN, DOLF, NL
[72] HEMPENIUS, EELKE GJALT, NL
[73] ROCKWOOL INTERNATIONAL A/S, DK
[85] 2015-12-14
[86] 2014-07-04 (PCT/EP2014/064319)
[87] (WO2015/001083)
[30] EP (13175294.1) 2013-07-05

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[51] **Int.Cl. D01F 6/04 (2006.01) B29C 64/118 (2017.01) B22F 3/10 (2006.01) D01F 1/10 (2006.01) H01F 1/26 (2006.01)**
[25] EN
[54] **SURFACE MODIFIED PARTICULATE AND SINTERED OR INJECTION MOLDED PRODUCTS**
[54] **MATIERE PARTICULAIRE A SURFACE MODIFIEE ET PRODUITS FRITES ET MOULES A INJECTION**
[72] HEIKKILA, KURT E., US
[73] TUNDRA COMPOSITES, LLC, US
[85] 2015-12-15
[86] 2014-07-11 (PCT/US2014/046362)
[87] (WO2015/006697)
[30] US (61/845,007) 2013-07-11

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[13] C
[51] **Int.Cl. C09D 5/18 (2006.01)**
[25] EN
[54] **INTUMESCENT COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT INTUMESCENT**
[72] KITTLE, KEVIN JEFFREY, GB
[72] BUTLER, RACHEL, GB
[73] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
[85] 2016-01-04
[86] 2014-07-11 (PCT/EP2014/064892)
[87] (WO2015/007628)
[30] EP (13176655.2) 2013-07-16

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[25] EN
[54] **AMINO ACID DERIVATIVES**
[54] **DERIVE D'ACIDES AMINES**
[72] MARELLI, MARCELLO, US
[72] VAN BRUNT, MICHAEL, US
[72] GRABSTEIN, KENNETH H., US
[73] MEDIMMUNE LIMITED, GB
[85] 2016-01-11
[86] 2014-08-04 (PCT/IB2014/002505)
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[30] US (61/862,497) 2013-08-05

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[13] C
[51] **Int.Cl. A61K 31/18 (2006.01) A61P 21/06 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATMENT OF MUSCLE WASTING, MUSCLE WEAKNESS, AND/OR CACHEXIA**
[54] **METHODES ET COMPOSITIONS DE TRAITEMENT DE L'ATROPHIE MUSCULAIRE, DE LA FAIBLESSE MUSCULAIRE, ET/OU DE LA CACHEXIE**
[72] TWEARDY, DAVID J., US
[72] KASEMBELI, MOSES M., US
[72] XU, MARVIN X., CN
[72] ECKOLS, THOMAS KRISTIAN, US
[73] BAYLOR COLLEGE OF MEDICINE, US
[85] 2016-01-12
[86] 2014-07-18 (PCT/US2014/047325)
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[30] US (61/847,778) 2013-07-18

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[13] C
[51] **Int.Cl. H02J 3/38 (2006.01)**
[25] EN
[54] **CONTROL ARRANGEMENT FOR INCREASING THE AVAILABLE OUTPUT FROM A SOURCE**
[54] **CONFIGURATION DE COMMANDE POUR ACCROITRE LA SORTIE DISPONIBLE D'UNE SOURCE**
[72] AHMED, MOHAMMED, GB
[73] PULSIV LIMITED, GB
[85] 2016-01-13
[86] 2014-07-10 (PCT/GB2014/052104)
[87] (WO2015/008035)
[30] GB (1312621.4) 2013-07-15

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[13] C
[51] **Int.Cl. B23K 26/352 (2014.01) B65D 90/36 (2006.01)**
[25] EN
[54] **CREATION OF LASER-DEFINED STRUCTURES ON PRESSURE RELIEF DEVICES VIA TILING METHOD**
[54] **CREATION DE STRUCTURES DEFINIES PAR LASER SUR DES DISPOSITIFS A RELIEFS DE PRESSION PAR PROCEDE DE PAVAGE**
[72] SHAW, BON F., US
[72] WALKER, JOE, US
[72] KREBILL, MICHAEL D., US
[73] FIKE CORPORATION, US
[85] 2016-01-18
[86] 2014-07-15 (PCT/US2014/046727)
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[30] US (13/953,280) 2013-07-29

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[13] C
[51] **Int.Cl. F16L 55/168 (2006.01) B29C 73/10 (2006.01) F16L 1/11 (2006.01) F16L 58/16 (2006.01) G01B 7/12 (2006.01) G01N 27/72 (2006.01) G01N 27/04 (2006.01)**
[25] FR
[54] **IMPROVED REINFORCEMENT STRIP FOR REPAIRING FLUID TRANSPORT PIPES**
[54] **BANDE DE RENFORCEMENT AMELIOREE POUR LA REPARATION DES CANALISATIONS DE TRANSPORT DE FLUIDES**
[72] BOULET D'AURIA, STANISLAS, FR
[72] SLIMANI, HACEN, FR
[73] 3X ENGINEERING, MC
[85] 2016-01-28
[86] 2014-07-30 (PCT/IB2014/001413)
[87] (WO2015/015277)
[30] MC (MC 2593) 2013-07-30

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[51] **Int.Cl. H01M 8/02 (2016.01)**
[25] EN
[54] **POWDER-METALLURGICAL MOULDED PART AS AN INTERCONNECTOR OR END PLATE FOR AN ELECTROCHEMICAL CELL**
[54] **PIECE MOULEE METALLURGIQUE DES POUDRES FORMANT UN INTERCONNECTEUR OU UNEPLAQUE D'EXTREMITE POUR UNE CELLULE ELECTROCHIMIQUE**
[72] BRANDNER, MARCO, DE
[72] O'SULLIVAN, MICHAEL, AT
[72] LEITER, THOMAS, AT
[72] HIRSCH, OLIVER, AT
[72] KRAUSSLER, WOLFGANG, AT
[73] PLANSEE SE, AT
[85] 2016-02-02
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[30] AT (GM 282/2013) 2013-09-02

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[51] **Int.Cl. A01N 43/80 (2006.01) A01N 47/44 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01)**
[25] EN
[54] **MICROBICIDAL SUBSTANCES**
[54] **AGENTS MICROBICIDES**
[72] GERHARZ, TANJA, DE
[72] WACHTLER, PETER, DE
[73] LANXESS DEUTSCHLAND GMBH, DE
[85] 2016-02-03
[86] 2014-08-25 (PCT/EP2014/067970)
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[51] **Int.Cl. A61M 11/00 (2006.01) A01K 1/06 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **INSUFFLATION APPARATUS AND METHODS**
[54] **APPAREIL D'INSUFFLATION ET PROCEDES**
[72] ADAMO, BENOIT, US
[72] LAURENZI, BRENDAN F., US
[72] SMUTNEY, CHAD C., US
[73] MANNKIND CORPORATION, US
[85] 2016-02-04
[86] 2014-08-05 (PCT/US2014/049817)
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[30] US (61/862,484) 2013-08-05

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[72] KNIGHT, THOMAS JOSEPH, US
[73] LOS ALAMOS NATIONAL SECURITY, LLC, US
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[54] **FABRICATION DE SURFACES DECORATIVES PAR JET D'ENCRE**
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[72] VAN BAELEN, GITTE, BE
[73] AGFA NV, BE
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[54] **PROCEDE DE NAVIGATION BASE SUR UN VISIOCASQUE TRANSPARENT**
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[72] CALLIER, BENOIT, FR
[72] SWITAL, MARION, FR
[73] ESSILOR INTERNATIONAL, FR
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[54] **DIAMINOPYRIMIDINE P2X3 AND P2X 2/3 RECEPTOR MODULATORS FOR TREATMENT OF ACUTE, SUB-ACUTE OR CHRONIC COUGH**
[54] **DIAMINOPYRIMIDINES EN TANT QUE MODULATEURS DES RECEPTEURS P2X3 ET P2X 2/3 POUR LE TRAITEMENT DE LA TOUX AIGUE, SUBAIGUE OU CHRONIQUE**
[72] FORD, ANTHONY P., US
[72] MCCARTHY, BRUCE G., US
[73] AFFERENT PHARMACEUTICALS INC., US
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[54] **MAINTIEN DE LA SYNCHRONISATION D'HORLOGES DANS UN RESEAU NUMERIQUE SANS EMISSION CONTINUE**
[72] FAIR, BRIAN K., US
[72] GREEN, ROBERT T., US
[72] GREEN, JACQUELYNN A., US
[73] AUDIO-TECHNICA U.S., INC., US
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[54] **DISPOSITIF SONORE TACTILE A PLUSIEURS ETAGES**
[72] ALEXIOU, JOHN, US
[72] CHERNECKI, TODD, US
[72] KHWAJA, SAROSH S., US
[73] SUBPAC, INC., US
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[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE BOUES**
[72] MCPHERSON, JASON, AU
[73] ALI-JAK HOLDINGS PTY LTD, AU
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[54] **ISOLATED STRAIN OF CLONOSTACHYS ROSEA FOR USE AS A BIOLOGICAL CONTROL AGENT**
[54] **SOUCHE ISOLEE DE CLONOSTACHYS ROSEA DESTINEE A ETRE UTILISEE EN TANT QUE BIOPESTICIDE**
[72] SUTTON, JOHN, CA
[72] MASON, TODD GORDON, CA
[73] BEE VECTORING TECHNOLOGY INC., CA
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[54] **LABELED INHIBITORS OF PROSTATE SPECIFIC MEMBRANE ANTIGEN (PSMA), THEIR USE AS IMAGING AGENTS AND PHARMACEUTICAL AGENTS FOR THE TREATMENT OF PROSTATE CANCER**
[54] **INHIBITEURS MARQUES DE L'ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE (PSMA), LEUR UTILISATION COMME AGENTS D'IMAGERIE ET AGENTS PHARMACEUTIQUES POUR LE TRAITEMENT DU CANCER DE LA PROSTATE**
[72] EDER, MATTHIAS, DE
[72] KOPKA, KLAUS, DE
[72] SCHAFER, MARTIN, DE
[72] BAUDER-WUST, ULRIKE, DE
[72] HABERKORN, UWE, DE
[72] BENESOVA, MARTINA, DE
[72] MIER, WALTER, DE
[72] EISENHUT, MICHAEL, DE
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[54] **A METHOD FOR PRODUCING AN L-AMINO ACID USING A BACTERIUM OF THE FAMILY ENTEROBACTERIACEAE HAVING ATTENUATED EXPRESSION OF A PHOSPHATE TRANSPORTER-ENCODING GENE**
[54] **PROCEDE DE PRODUCTION D'UN ACIDE L-AMINO AU MOYEN D'UNE BACTERIE DE LA FAMILLE DES ENTEROBACTERIACEAE AYANT UNE EXPRESSION ATTENUEE D'UN GENE CODANT LE TRANSPORTEUR DE PHOSPHATE**
[72] KUVAEVA, TATYANA MIKHAILOVNA, RU
[72] POLYAKOVA, EVGENIYA ALEKSANDROVNA, RU
[72] STOYNOVA, NATALIA VIKTOROVNA, RU
[73] AJINOMOTO CO., INC., JP
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[54] **DISPOSITIF DE DEVERSEMENT DE GRANULES**
[72] BARTLING, WERNER, DE
[73] NOWE GMBH, DE
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[54] **ACIER A OUTILS POUR TRAVAIL A FROID, RESISTANT A LA CORROSION ET A L'USURE**
[72] EJNERMARK, SEBASTIAN, SE
[72] HILLSKOG, THOMAS, SE
[72] EKMAN, LARS, SE
[72] ROBERTSSON, RIKARD, SE
[72] BERGQVIST, VICTORIA, SE
[72] KARLSSON, JENNY, SE
[72] DAMM, PETTER, SE
[72] MOSSFELDT, ULRIKA, SE
[72] EDVINSSON, ROLAND, SE
[72] ENGSTROM SVENSSON, ANNIKA, SE
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[54] **METHODES, APPAREILS ET SYSTEMES DE PROFILAGE DE FLUX DE VAPEUR**
[72] SHIRDEL, MAHDY, US
[72] WELLS, MICHAEL JOHN, US
[72] BUELL, RICHARD SCOTT, US
[72] SIMS, JACKIE C., US
[73] CHEVRON U.S.A. INC., US
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[72] JACOB, GREGOIRE, US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[54] **SAND DISPENSER FOR A RAIL VEHICLE AND METHOD FOR PROVIDING SAND FOR A RAIL VEHICLE**
[54] **DISPOSITIF DE SABLAGE POUR VEHICULE FERROVIAIRE ET PROCEDE DE DOSAGE DE SABLE POUR VEHICULE FERROVIAIRE**
[72] KRISMANIC, GEORG, AT
[72] HOESCH, FLORIAN, AT
[72] SCHNEIDER, ALBERT, AT
[73] KNORR-BREMSE SYSTEME FUR SCHIENENFAHRZEUGE GMBH, DE
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[54] **LUBRICATING OIL COMPOSITION FOR PROTECTION OF SILVER BEARINGS IN MEDIUM SPEED DIESEL ENGINES**
[54] **COMPOSITION D'HUILE DE GRAISSAGE POUR LA PROTECTION DE PALIERS EN ARGENT DANS DES MOTEURS DIESELS A MOYENNE VITESSE**
[72] LI, YUE-RONG, US
[72] CASTILE, KEVIN S., US
[72] PALAZZOTTO, JOHN DOMINIC, US
[73] CHEVRON ORONITE COMPANY LLC, US
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[54] **TECHNIQUES D'IMAGERIE D'UN OBJET BALAYE**
[72] AWAD, WILLIAM, CA
[72] ARCHAMBAULT, SIMON, CA
[73] VOTI INC., CA
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[54] **METHODS AND COMPOSITIONS COMPRISING A COMBINATION OF A VEGF ANTAGONIST AND AN ANTI-CTLA-4 ANTIBODY**
[54] **METHODES ET COMPOSITIONS COMPRENANT UNE COMBINAISON D'ANTAGONISTE DU VEGF ET D'ANTICORPS ANTI-CTLA-4**
[72] IOFFE, ELLA, US
[72] LOWY, ISRAEL, US
[72] THURSTON, GAVIN, US
[72] BUROVA, ELENA, US
[73] REGENERON PHARMACEUTICALS, INC., US
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[25] FR
[54] **HANDLING VEHICLE AND ELECTROLYSIS PLANT COMPRISING SAID VEHICLE**
[54] **VEHICULE DE MANUTENTION ET USINE D'ELECTROLYSE COMPRENANT CE VEHICULE**
[72] PRODENT, STEPHANE, FR
[72] BAYARD, CHRISTOPHE, FR
[72] RUGET, GABRIEL, FR
[73] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
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[54] **CONSTANT-CURRENT CONTROLLER FOR AN INDUCTIVE LOAD**
[54] **CONTROLEUR A COURANT CONSTANT DESTINE A UNE CHARGE INDUCTIVE**
[72] DAVIS, BRETT L., US
[72] SHAFFER, RANDALL, US
[73] HANCHETT ENTRY SYSTEMS, INC., US
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[51] **Int.Cl. A61B 17/16 (2006.01)**
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[54] **DEVICE FOR CREATING A VOID SPACE IN LIVING TISSUE, THE DEVICE INCLUDING A HANDLE WITH A CONTROL KNOB THAT CAN BE SET REGARDLESS OF THE ORIENTATION OF THE HANDLE**
[54] **DISPOSITIF PERMETTANT DE CREER UN ESPACE VIDE DANS UN TISSU VIVANT, COMPRENANT UNE POIGNEE DOTEE D'UN BOUTON DE COMMANDE QUI PEUT ETRE REGLE QUELLE QUE SOIT L'ORIENTATION DE LA PO IGNEE**
[72] BROCKMAN, CHRISTOPHER SCOTT, US
[72] VANGEMERT, GEOFFREY JAMES, US
[73] STRYKER CORPORATION, US
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[54] **BROMODOMAIN INHIBITORS**
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[72] BENNETT, MICHAEL JOHN, US
[72] BETANCORT, JUAN MANUEL, US
[72] BOLOOR, AMOGH, US
[72] KALDOR, STEPHEN W., US
[72] STAFFORD, JEFFREY ALAN, US
[72] VEAL, JAMES MARVIN, US
[73] CELGENE QUANTICEL RESEARCH, INC., US
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[54] **NOUVEAUX SYSTEMES DE LIANTS**
[72] WALTHER, BURKHARD, DE
[72] FEICHTENSCHLAGER, BERNHARD, DE
[72] WOLFLE, HEIMO, DE
[72] BRUCHMANN, BERND, DE
[72] SMEETS, ALFONS, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
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[54] **METHOD AND APPARATUS FOR TRANSMISSION AND RECEPTION OF MEDIA DATA**
[54] **PROCEDE ET APPAREIL D'EMISSION ET DE RECEPTION DE DONNEES MULTIMEDIA**
[72] CHAMPEL, MARY-LUC, FR
[72] AUMONT, FRANCK, FR
[73] INTERDIGITAL CE PATENT HOLDINGS, SAS, FR
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[54] **PRODUCTION DE CELLULES T RECIBLANT DES IMMUNOGLOBULINES HERERO-DIMERIQUES**
[72] BLEIN, STANISLAS, CH
[72] OLLIER, ROMAIN, CH
[72] HOU, SAMUEL, CH
[72] SKEGRO, DARKO, CH
[73] ICHNOS SCIENCES SA, CH
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[25] EN
[54] **MACHINE AND METHODS FOR DISPENSING NUTRITIONAL SUPPLEMENTS AND MULTI-SERVING CARTRIDGE THEREFOR**
[54] **MACHINE ET PROCEDES DE DISTRIBUTION DE COMPLEMENTS NUTRITIONNELS ET CARTOUCHE A USAGES MULTIPLES ASSOCIEE**
[72] MILLS, TED MATTHEW, US
[72] LINTON, JEFFREY THOMAS, US
[72] LINTON, CHASE RYAN, US
[73] TESPO IP, LLC, US
[85] 2016-05-05
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[54] **SEMELLE DE REGULATION DE LA PRONATION**
[72] SWAGER VAN DOK, JAN, CH
[73] GVB SHOETECH AG, CH
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[51] **Int.Cl. B28C 7/02 (2006.01) B28C 5/42 (2006.01) G01C 19/56 (2012.01) G01P 3/00 (2006.01)**
[25] EN
[54] **DETERMINATION OF GYROSCOPIC BASED ROTATION**
[54] **DETERMINATION D'UNE ROTATION GYROSCOPIQUE**
[72] JORDAN, RICHARD K., US
[72] GLINA, YAN, US
[72] ROBERTS, MARK F., US
[72] KOEHLER, ERIC P., US
[73] VERIFI LLC, US
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[54] **SIEGE INCLINABLE POUR BERLINE**
[72] ZIMMERMAN, RONALD A., II, US
[73] MAGNA SEATING INC., CA
[85] 2016-05-17
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[54] **DISTRIBUTEUR POUR DISTRIBUER UN LIQUIDE**
[72] BUCKLEY, PAUL FLEMING, NZ
[72] LYND, MALCOLM, NZ
[73] TE PARI PRODUCTS LIMITED, NZ
[85] 2016-05-17
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[54] **CATIONIC POLY ALPHA-1,3-GLUCAN ETHERS**
[54] **ETHERS DE POLY(ALPHA-1,3-GLUCANE) CATIONIQUES**
[72] DENNES, T. JOSEPH, US
[72] PERTICONE, ANDREA M., US
[72] PAULLIN, JAYME L., US
[73] NUTRITION & BIOSCIENCES USA 4, INC., US
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[54] **PROCESSING VIDEO AND SENSOR DATA ASSOCIATED WITH A VEHICLE**
[54] **TRAITEMENT DE DONNEES VIDEO ET DE DONNEES DE DETECTION ASSOCIEES A UN VEHICULE**
[72] MCNALLY, LUKE, GB
[72] ROBERTS, MELFYN, GB
[72] TAYLOR, MARK, GB
[73] COSWORTH GROUP HOLDINGS LIMITED, GB
[85] 2016-06-06
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[30] GB (1321626.2) 2013-12-06
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[25] FR
[54] **TERMINAL FOR DISPLAYING ELEMENTS OF A DATABASE HIERARCHIZED IN N LEVELS**
[54] **TERMINAL D'AFFICHAGE D'ELEMENTS D'UNE BASE DE DONNEES HIERARCHISEES A N NIVEAUX**
[72] CHORIN, PATRICK, FR
[72] DURIEUX, YVES, FR
[72] GRISVARD, OLIVIER, FR
[72] LE PORS, ERIC, FR
[73] THALES, FR
[85] 2016-06-03
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[25] FR
[54] **PURIFICATION OF FATTY ACIDS BY A CHROMATOGRAPHIC METHOD**
[54] **PURIFICATION D'ACIDES GRAS PAR UN PROCEDE CHROMATOGRAPHIQUE**
[72] VALERY, ERIC, FR
[72] BLEHAUT, JEAN, FR
[73] NOVASEP EQUIPMENT SOLUTIONS, FR
[85] 2016-06-03
[86] 2014-12-09 (PCT/EP2014/077036)
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[25] EN
[54] **DEVICE FOR COLLECTING A BIOLOGICAL SAMPLE**
[54] **DISPOSITIF DE COLLECTE UN ECHANTILLON BIOLOGIQUE**
[72] MARKOWITZ, SANFORD, US
[72] CHAK, AMITABH, US
[72] WILLIS, JOSEPH, US
[72] TAGGART, JEFFREY SILVER, US
[72] BLICE, REBECCA, US
[72] SECREST, DEAN, US
[72] SIEDLAK, DENNIS, US
[73] CASE WESTERN RESERVE UNIVERSITY, US
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[86] 2014-12-12 (PCT/US2014/070060)
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[51] **Int.Cl. B22F 9/08 (2006.01) B05B 7/02 (2006.01)**
[25] EN
[54] **A METHOD AND A DEVICE FOR THE CRUCIBLE-FREE MELTING OF A MATERIAL AND FOR ATOMISING THE MELTED MATERIAL, FOR MANUFACTURING POWER**
[54] **UNE METHODE ET UN DISPOSITIF DE FONTE SANS CREUSET D'UN MATERIAU ET D'ATOMISATION DU MATERIAU FONDU DESTINES A LA FABRICATION DE POUDRE**
[72] GERKING, LUDER, DE
[72] GERKING, CHRISTIAN, DE
[72] STOBIK, MARTIN, DE
[72] HEINZ, RICO, DE
[73] NANOVAL GMBH & CO. KG, DE
[85] 2016-06-17
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[25] EN
[54] **DEVICE AND METHOD FOR CONTROLLING DEPOSIT FORMATION**
[54] **DISPOSITIF ET PROCEDE POUR CONTROLER LA FORMATION DE DEPOT**
[72] SEIDA, FRANK, DE
[72] FLOCKEN, CHRISTIAN, DE
[73] SOLENIS TECHNOLOGIES CAYMAN, L.P., CH
[85] 2016-06-21
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[54] **RECONFIGURABLE POWER CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE PUISSANCE RECONFIGURABLE**
[72] WOOTTON, MATTHEW, US
[72] WOOTTON, JOHN, US
[72] MCKINNEY, JUSTIN, US
[72] KING, LLOYD HERBERT, JR., US
[73] IVANI, LLC, US
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[54] **AUTHENTICATION SYSTEM FOR REUSABLE SURGICAL INSTRUMENTS**
[54] **SYSTEME D'AUTHENTIFICATION POUR INSTRUMENTS CHIRURGICAUX REUTILISABLES**
[72] COLLINS, ETHAN, US
[72] RICHARD, PAUL, US
[73] COVIDIEN LP, US
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[25] EN
[54] **METHODS, SYSTEMS, AND MEDIA FOR GENERATING SEARCH RESULTS BASED ON CONTEXTUAL INFORMATION**
[54] **PROCEDES, SYSTEMES ET SUPPORTS POUR GENERER DES RESULTATS DE RECHERCHE SUR LA BASE D'INFORMATIONS CONTEXTUELLES**
[72] TROLLOPE, INGRID MCAULAY, GB
[72] OZTASKENT, ANT, GB
[72] VOLOVICH, YAROSLAV, GB
[73] GOOGLE LLC, US
[85] 2016-06-29
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[54] **SUPPORT MATERIALS FOR 3D PRINTING**
[54] **MATERIAUX DE SUPPORT POUR IMPRESSION 3D**
[72] BAYER, ROLAND, DE
[72] PYZIK, ALEKSANDER J., US
[72] ALLEN, SHARON, US
[73] NUTRITION & BIOSCIENCES USA 1, LLC, US
[85] 2016-07-08
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[25] EN
[54] **PROCESS FOR ACIDIZING**
[54] **PROCEDE D'ACIDIFICATION**
[72] HARRIS, RALPH EDMUND, GB
[72] HOLDSWORTH, DUNCAN, GB
[73] CLEANSORB LIMITED, GB
[85] 2016-07-12
[86] 2015-01-12 (PCT/GB2015/050047)
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[25] EN
[54] **MULTIPLEXED EXCITATION EMISSION MATRIX SPECTROSCOPY**
[54] **SPECTROSCOPIE PAR MATRICE D'EMISSION-EXCITATION MULTIPLEXEE**
[72] LOOCK, HANS-PETER, CA
[72] REICH, OLIVER, DE
[72] ANDREWS, NICHOLAS L. P., CA
[73] QUEEN'S UNIVERSITY AT KINGSTON, CA
[86] (2936725)
[87] (2936725)
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[54] **HIGH EFFICIENCY POUR POINT REDUCTION PROCESS**
[54] **PROCEDE DE REDUCTION DU POINT D'ECOULEMENT A EFFICACITE ELEVEE**
[72] COPPOLA, EDWARD N., US
[72] NANA, SANJAY, US
[72] RED, CHARLES, JR., US
[73] APPLIED RESEARCH ASSOCIATES, INC., US
[85] 2016-07-14
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[54] **PNEUMATIC ORE CHARGING**
[54] **CHARGEMENT PNEUMATIQUE DE MINERAI**
[72] MILLNER, ROBERT, AT
[72] PLAUL, JAN-FRIEDEMANN, AT
[72] REIN, NORBERT, AT
[73] PRIMETALS TECHNOLOGIES AUSTRIA GMBH, AT
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[25] EN
[54] **VIBRATORY FLOWMETER AND METHODS AND DIAGNOSTICS FOR METER VERIFICATION**
[54] **DEBITMETRE VIBRATOIRE ET PROCEDES ET DIAGNOSTICS POUR LA VERIFICATION DU COMPTEUR**
[72] CUNNINGHAM, TIMOTHY J., US
[72] KAPOLNEK, DAVID J., US
[72] RENSING, MATTHEW J., US
[72] LARSEN, CHRISTOPHER GEORGE (DECEASED), US
[73] MICRO MOTION, INC., US
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[25] EN
[54] **AUSTENITIC STAINLESS STEEL SHEET FOR GASKET, AND GASKET**
[54] **FEUILLE D'ACIER INOXYDABLE AUSTENITIQUE POUR JOINT D'ETANCHEITE ET JOINT D'ETANCHEITE**
[72] KUMANO, NAOHITO, JP
[72] IMAKAWA, KAZUNARI, JP
[72] OKU, MANABU, JP
[73] NIPPON STEEL STAINLESS STEEL CORPORATION, JP
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[54] **BINDER COMPOSITION FOR MINERAL WOOL**
[54] **COMPOSITION DE LIANT POUR LAINE MINERALE**
[72] OBERT, EDOUARD, FR
[72] KIEFER, LIONEL, FR
[73] SAINT-GOBAIN ISOVER, FR
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[25] EN
[54] **METHOD OF PRIMING PLANTS AGAINST ABIOTIC STRESS FACTORS AND PROMOTING GROWTH**
[54] **PROCEDE D'AMORCAGE DE PLANTES CONTRE DES FACTEURS DE STRESS ABIOTIQUE ET DE PROMOTION DE LA CROISSANCE**
[72] KASHFI, KHOSROW, US
[72] FOTOPOULOS, VASILEIOS, CY
[73] RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK, US
[73] CYPRUS UNIVERSITY OF TECHNOLOGY, CY
[85] 2016-07-29
[86] 2015-02-11 (PCT/US2015/015380)
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[30] US (61/939,064) 2014-02-12
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[25] EN
[54] **ANTI-PRESEPSIN ANTIBODY AND ITS USE IN DETECTING SEPSIS**
[54] **ANTICORPS ANTI-PRESEPSINE ET UTILISATION DANS LA DETECTION DE LA SEPSIE**
[72] SHIRAKAWA, KAMON, JP
[73] MOCHIDA PHARMACEUTICAL CO., LTD., JP
[85] 2016-08-05
[86] 2015-02-25 (PCT/JP2015/055488)
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[25] EN
[54] **N2-PHENYL-PYRIDO[3,4-D]PYRIMIDINE-2,8-DIAMINE DERIVATIVES AND THEIR USE AS MPS1 INHIBITORS**
[54] **DERIVES DE N2-PHENYL-PYRIDO[3,4-D]PYRIMIDINE-2,8-DIAMINE ET LEUR UTILISATION COMME INHIBITEURS DE MPS1**
[72] WOODWARD, HANNAH, GB
[72] INNOCENTI, PAOLO, GB
[72] NAUD, SEBASTIEN, GB
[72] BLAGG, JULIAN, GB
[72] HOELDER, SWEN, GB
[73] CANCER RESEARCH TECHNOLOGY LIMITED, GB
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[86] 2015-02-27 (PCT/GB2015/050590)
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[25] EN
[54] **METHOD AND COMPOSITION FOR DUST CONTROL**
[54] **PROCEDE ET COMPOSITION DE REGULATION DES POUSSIERES**
[72] ZIM, DANILO, BR
[72] GOMES, FABIO PEIXOTO MACEDO, BR
[73] ECOLAB USA INC., US
[85] 2016-08-09
[86] 2015-02-10 (PCT/US2015/015172)
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[30] US (14/181,631) 2014-02-15

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[25] EN
[54] **COIL ASSEMBLY FOR MAGNETIC RESONANCE IMAGING**
[54] **ENSEMBLE BOBINE POUR L'IMAGERIE PAR RESONANCE MAGNETIQUE**
[72] PIRON, CAMERON, CA
[72] PANTHER, ALEX, CA
[72] THINGVOLD, SHERYL, CA
[72] HARRIS, CHAD, CA
[72] STAINSBY, JEFF, CA
[73] SYNAPTIVE MEDICAL INC., CA
[86] (2939405)
[87] (2939405)
[22] 2014-09-17
[62] 2,921,714
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[25] EN
[54] **A LOCKING DEVICE FOR A WEAR MEMBER OF AN EARTH MOVING MACHINE**
[54] **DISPOSITIF DE VERROUILLAGE POUR ELEMENT D'USURE DE MACHINE DE TERRASSEMENT**
[72] TRIGINER BOIXEDA, JORGE, ES
[72] ROL, JAVIER, ES
[73] METALOGENIA RESEARCH & TECHNOLOGIES S.L., ES
[85] 2016-08-16
[86] 2015-02-26 (PCT/EP2015/054089)
[87] (WO2015/128439)
[30] EP (14382072.8) 2014-02-27

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[25] EN
[54] **CATALYST ARRANGEMENT FOR STEAM REFORMING OF HYDROCARBONS**
[54] **DISPOSITION DU CATALYSEUR POUR VAPOREFORMAGE DES HYDROCARBURES**
[72] CHLAPIK, KENNETH, US
[72] FARNELL, PETER WILLIAM, GB
[73] JOHNSON MATTHEY PUBLIC LIMITED COMPANY, GB
[85] 2016-08-16
[86] 2015-02-17 (PCT/GB2015/050447)
[87] (WO2015/132555)
[30] GB (1403787.3) 2014-03-04

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[13] C
[51] **Int.Cl. A47J 31/06 (2006.01) A47J 31/24 (2006.01)**
[25] EN
[54] **INFUSION BREWER, CLOSED LOOP FILTER THEREFORE, AND METHOD OF PRODUCING A PLURALITY OF INFUSION PORTIONS**
[54] **MACHINE DE PREPARATION D'INFUSION, ELEMENT DE FILTRATION EN BOUCLE CONTINUE ASSOCIE, ET PROCEDE DE PRODUCTION D'UNE PLURALITE DE PARTIES D'INFUSION**
[72] RADOSAV, ALEKSANDAR, CA
[73] RADOSAV, ALEKSANDAR, CA
[85] 2016-08-18
[86] 2015-02-17 (PCT/CA2015/050113)
[87] (WO2015/123766)
[30] US (61/941,661) 2014-02-19

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[25] EN
[54] **PYRAZOLE AMIDE DERIVATIVE**
[54] **DERIVE DE PYRAZOLE AMIDE**
[72] BECK, HILARY PLAKE, US
[72] BOOKER, SHON KEITH, US
[72] BREGMAN, HOWARD, US
[72] CEE, VICTOR J., US
[72] CHAKKA, NAGASREE, US
[72] CUSHING, TIMOTHY D., US
[72] EPSTEIN, OLEG, US
[72] FOX, BRIAN M., US
[72] GEUNS-MEYER, STEPHANIE, US
[72] HAO, XIAOLIN, US
[72] HIBIYA, KENTA, JP
[72] HIRATA, JUN, JP
[72] HUA, ZIHAO, US
[72] HUMAN, JASON, US
[72] KAKUDA, SHINJI, JP
[72] LOPEZ, PATRICIA, US
[72] NAKAJIMA, RYOTA, JP
[72] OKADA, KAZUHISA, JP
[72] OLSON, STEVEN H., US
[72] OONO, HIROYUKI, JP
[72] PENNINGTON, LEWIS D., US
[72] SASAKI, KOSUKE, JP
[72] SHIMADA, KEIKO, JP
[72] SHIN, YOUNGSOOK, US
[72] WHITE, RYAN D., US
[72] WURZ, RYAN P., US
[72] YI, SHUYAN, US
[72] ZHENG, XIAO MEI, US
[73] TEIJIN PHARMA LIMITED, JP
[85] 2016-08-24
[86] 2015-02-27 (PCT/JP2015/056584)
[87] (WO2015/129926)
[30] JP (2014-039880) 2014-02-28

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[51] **Int.Cl. G10K 11/18 (2006.01) E04B 1/84 (2006.01) E04B 2/82 (2006.01) E04B 9/00 (2006.01) G10K 11/168 (2006.01)**
[25] EN
[54] **HIGH AND LOW FREQUENCY SOUND ABSORPTION ASSEMBLY**
[54] **ENSEMBLE D'ABSORPTION ACOUSTIQUE A HAUTES ET BASSES FREQUENCES**
[72] SCHERRER, JEAN-MARC, FR
[73] SCHERRER, JEAN-MARC, FR
[85] 2016-08-31
[86] 2015-03-03 (PCT/FR2015/050509)
[87] (WO2015/132521)
[30] FR (1451735) 2014-03-04

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[13] C
[51] **Int.Cl. F16B 31/04 (2006.01) B25B 29/02 (2006.01)**
[25] FR
[54] **BOLTED CONNECTION**
[54] **LIAISON BOULONNEE**
[72] COFFINEY, SEBASTIEN, FR
[73] ARIANEGROUP SAS, FR
[85] 2016-09-13
[86] 2015-03-11 (PCT/EP2015/055093)
[87] (WO2015/135998)
[30] FR (1452084) 2014-03-13

[11] **2,943,291**
[13] C
[51] **Int.Cl. B65D 65/38 (2006.01)**
[25] EN
[54] **RECLOSABLE PACKAGE, RECLOSABLE PACKAGING METHOD, AND METHOD OF USING RECLOSABLE PACKAGE**
[54] **EMBALLAGE REFERMABLE, METHODE DE CONDITIONNEMENT D'EMBALLAGE REFERMABLE, ET METHODE D'UTILISATION D'EMBALLAGE REFERMABLE**
[72] LI, TING, US
[72] LU, ANDY, US
[72] LIN, TER-HAI, US
[72] TENG, JEFF, US
[73] INTEPLAST GROUP CORPORATION, US
[86] (2943291)
[87] (2943291)
[22] 2016-09-26
[30] US (62/232,189) 2015-09-24

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[51] **Int.Cl. B61D 15/00 (2006.01) E01B 27/00 (2006.01)**
[25] EN
[54] **BULK MATERIAL LOADING WAGON**
[54] **WAGON DE CHARGEMENT DE MATERIAU EN VRAC**
[72] BRUNNINGER, MANFRED, AT
[73] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
[85] 2016-09-27
[86] 2015-04-24 (PCT/EP2015/000848)
[87] (WO2015/176794)
[30] AT (A 374/2014) 2014-05-20

[11] **2,944,347**
[13] C
[51] **Int.Cl. A61D 7/04 (2006.01) A61M 16/06 (2006.01) A62B 18/06 (2006.01)**
[25] EN
[54] **AN IMPROVED MASK APPARATUS FOR VETERINARY APPLICATIONS**
[54] **APPAREIL FORMANT MASQUE AMELIORE POUR APPLICATIONS VETERINAIRES**
[72] DUNLOP, COLIN, AU
[73] DUNLOP, COLIN, AU
[85] 2016-09-29
[86] 2015-03-31 (PCT/AU2015/000192)
[87] (WO2015/149113)
[30] AU (2014901152) 2014-03-31

[11] **2,944,351**
[13] C
[51] **Int.Cl. F16L 55/162 (2006.01) F16L 55/1645 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PLUGGING A PIPE**
[54] **APPAREIL ET PROCEDE POUR BOUCHER UN TUYAU**
[72] URBANSKI, JEFF, US
[73] SOURCE 1 ENVIRONMENTAL, LLC, US
[85] 2016-09-28
[86] 2015-03-31 (PCT/US2015/023559)
[87] (WO2015/153590)
[30] US (61/972,561) 2014-03-31

[11] **2,944,522**
[13] C
[51] **Int.Cl. D06M 15/333 (2006.01) D21B 1/06 (2006.01) D21B 1/08 (2006.01) D21C 5/02 (2006.01) D21H 11/14 (2006.01) D21H 11/18 (2006.01)**
[25] EN
[54] **FIBERS WITH FILLER**
[54] **FIBRES COMPRENANT UNE CHARGE**
[72] SUMNICHT, DANIEL W., US
[72] SCHULZE, THOMAS, DE
[72] NIEMZ, FRANK-GUNTHER, DE
[73] GPCP IP HOLDINGS LLC, US
[85] 2016-09-29
[86] 2015-04-06 (PCT/US2015/024507)
[87] (WO2015/157168)
[30] US (61/978,323) 2014-04-11
[30] US (14/677,011) 2015-04-02

[11] **2,944,809**
[13] C
[51] **Int.Cl. A23L 27/60 (2016.01) A23L 27/18 (2016.01) A23L 33/20 (2016.01) A23D 7/005 (2006.01)**
[25] EN
[54] **COMPOSITION IN THE FORM OF AN OIL-IN-WATER EMULSION COMPRISING GROUND WHITE OR YELLOW MUSTARD SEED**
[54] **COMPOSITION SE PRESENTANT SOUS LA FORME D'UNE EMULSION HUILE DANS EAU CONTENANT DES GRAINES DE MOUTARDE BLANCHE OU JAUNE BROYEES**
[72] REGISMOND, SUDARSHI TANUJA ANGELIQUE, ZA
[72] RESZKA, ALEKSANDER ARIE, NL
[73] UNILEVER IP HOLDINGS B.V., NL
[85] 2016-10-04
[86] 2015-03-27 (PCT/EP2015/056725)
[87] (WO2015/169506)
[30] EP (14167215.4) 2014-05-06

[11] **2,944,899**
[13] C
[51] **Int.Cl. D21B 1/08 (2006.01)**
[25] EN
[54] **METHOD FOR RECYCLING WASTE MATERIAL WITH REDUCED ODOR EMISSION**
[54] **PROCEDE DE RECYCLAGE DE DECHETS AVEC EMISSION D'ODEUR REDUITE**
[72] HENRIKSSON, DAVID CHRISTER, US
[72] WINKLER, WAYNE FREDERICK, US
[72] LUCAS, BRADLEY E., US
[73] JUNO LLC, US
[85] 2016-10-04
[86] 2015-04-17 (PCT/US2015/026295)
[87] (WO2015/161151)
[30] US (14/256,652) 2014-04-18

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[13] C
[51] **Int.Cl. C09K 23/00 (2022.01) B01F 23/41 (2022.01) C09K 3/00 (2006.01)**
[25] EN
[54] **NANOEMULSIONS HAVING REVERSIBLE CONTINUOUS AND DISPERSED PHASES**
[54] **NANOEMULSIONS COMPORTANT DES PHASES CONTINUES ET DISPERSEES REVERSIBLES**
[72] WU, CHIEN-CHIN, US
[73] LG BIONANO, LLC, US
[86] (2945444)
[87] (2945444)
[22] 2016-10-17
[30] US (14/921,572) 2015-10-23

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[51] **Int.Cl. C05F 11/00 (2006.01) C05C 9/00 (2006.01) C05D 9/00 (2006.01) C08F 220/18 (2006.01) C08K 5/09 (2006.01) C08L 33/00 (2006.01)**
[25] EN
[54] **POLYMER SOIL TREATMENT COMPOSITIONS INCLUDING HUMIC ACIDS**
[54] **COMPOSITIONS DE TRAITEMENT DE SOL POLYMERES COMPRENANT DES ACIDES HUMIQUES**
[72] SANDERS, JOHN LARRY, US
[73] VERDESIAN LIFE SCIENCES U.S., LLC, US
[85] 2016-10-13
[86] 2015-05-21 (PCT/US2015/032037)
[87] (WO2015/179687)
[30] US (62/001,376) 2014-05-21

[11] **2,947,108**
[13] C
[51] **Int.Cl. B42D 25/355 (2014.01) B42D 25/373 (2014.01) B42D 25/43 (2014.01) D21H 21/42 (2006.01)**
[25] FR
[54] **SECURITY STRIP AND SECURITY DOCUMENT INCORPORATING SAID STRIP**
[54] **BANDEAU DE SECURITE ET DOCUMENT DE SECURITE QUI L'INTEGRE**
[72] CHAPEAU, GUILLAUME, FR
[72] GILLOT, JULIEN, FR
[72] BORDE, XAVIER, FR
[73] OBERTHUR FIDUCIAIRE SAS, FR
[85] 2016-10-25
[86] 2015-04-30 (PCT/EP2015/059471)
[87] (WO2015/166026)
[30] FR (1454023) 2014-05-02

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[13] C
[51] **Int.Cl. A61B 17/00 (2006.01) A61F 2/01 (2006.01)**
[25] EN
[54] **ENDOVASCULAR TREATMENT ASSISTANCE TOOL**
[54] **OUTIL D'ASSISTANCE AU TRAITEMENT ENDOVASCULAIRE**
[72] INOUE, KANJI, JP
[72] YAGI, TAKAHIRO, JP
[72] FUJITA, MASAKI, JP
[72] KADOWAKI, KOJI, JP
[72] TANAHASHI, KAZUHIRO, JP
[73] TORAY INDUSTRIES, INC., JP
[73] INOUE, KANJI, JP
[85] 2016-11-02
[86] 2015-05-08 (PCT/JP2015/063265)
[87] (WO2015/170732)
[30] JP (2014-097539) 2014-05-09
[30] JP (2014-154888) 2014-07-30

[11] **2,948,690**
[13] C
[51] **Int.Cl. G01R 31/12 (2020.01)**
[25] EN
[54] **A PARTIAL DISCHARGE ACQUISITION SYSTEM COMPRISING A CAPACITIVE COUPLING ELECTRIC FIELD SENSOR**
[54] **SYSTEME D'ACQUISITION DE DECHARGE PARTIELLE COMPRENANT UN CAPTEUR DE CHAMP ELECTRIQUE A COUPLAGE CAPACITIF**
[72] DI STEFANO, ANTONIO, IT
[72] CANDELA, ROBERTO, IT
[72] FISCELLI, GIUSEPPE, IT
[73] PRYSMIAN S.P.A., IT
[85] 2016-11-10
[86] 2014-05-16 (PCT/EP2014/060141)
[87] (WO2015/172849)

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[13] C
[51] **Int.Cl. H01M 8/0276 (2016.01) H01M 8/0202 (2016.01) C25B 13/02 (2006.01)**
[25] EN
[54] **METALLIC BIPOLAR PLATE WITH RESILIENT SEAL COMPRISING BEAD WITH ELASTOMER-FILLED RECESS, AND ELECTROCHEMICAL SYSTEM COMPRISING SAME**
[54] **PLAQUE BIPOLAIRE METALLIQUE A AGENCEMENT D'ETANCHEITE ELASTIQUE ET SYSTEME ELECTROCHIMIQUE**
[72] GAUGLER, BERND, DE
[72] ORUC, AHMET, DE
[73] REINZ-DICHTUNGS-GMBH, DE
[85] 2016-11-18
[86] 2015-05-22 (PCT/EP2015/061466)
[87] (WO2015/177365)
[30] DE (20 2014 004 456.2) 2014-05-23

[11] **2,949,750**
[13] C
[51] **Int.Cl. A01N 59/16 (2006.01) A01C 1/06 (2006.01) A01H 1/04 (2006.01) A01H 3/04 (2006.01) A01H 7/00 (2006.01) A01N 59/00 (2006.01) A01P 1/00 (2006.01) A01P 3/00 (2006.01) A01P 21/00 (2006.01)**
[25] EN
[54] **ENHANCEMENT AND CONTROL OF SEED GERMINATION WITH COMPOSITIONS COMPRISING A TRANSITION METAL CATALYST AND AN OXIDANT**
[54] **AMELIORATION ET CONTROLE DE LA GERMINATION DES GRAINES AU MOYEN DE COMPOSITIONS COMPRENANT UN CATALYSEUR A METAUX DE TRANSITION ET UN OXYDANT**
[72] OLKOWSKI, ANDREW A., CA
[72] LAARVELD, BERNARD, CA
[72] TANINO, KAREN K., CA
[73] UNIVERSITY OF SASKATCHEWAN, CA
[85] 2016-11-21
[86] 2014-05-29 (PCT/IB2014/061826)
[87] (WO2014/191961)
[30] US (61/828,617) 2013-05-29

[11] **2,950,134**
[13] C
[51] **Int.Cl. F23J 15/04 (2006.01) B01D 53/50 (2006.01) B01D 53/73 (2006.01) F23J 15/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REDUCING LIQUID DISCHARGE FROM ONE OR MORE DEVICES**
[54] **SYSTEME ET PROCEDE DE REDUCTION DES REJETS LIQUIDES D'UN OU PLUSIEURS DISPOSITIFS**
[72] KLIDAS, MICHAEL, US
[72] REDINGER, KEVIN, US
[72] MITCHELL, JOSEPH, III, US
[72] FEENEY, STEVEN, US
[72] JACOBSEN, NIELS, DK
[72] BOILESEN, CLAUS ERIK, DK
[73] THE BABCOCK & WILCOX COMPANY, US
[73] GEA PROCESS ENGINEERING A/S, DK
[85] 2016-11-23
[86] 2015-05-21 (PCT/US2015/031981)
[87] (WO2015/179644)
[30] US (62/002,584) 2014-05-23

[11] **2,951,014**
[13] C
[51] **Int.Cl. F01D 5/30 (2006.01) F01D 5/14 (2006.01) F01D 11/00 (2006.01)**
[25] FR
[54] **ROTOR FOR TURBOMACHINE COMPRISING PROTRACTED PLATFORM BLADES.**
[54] **ROTOR POUR TURBOMACHINE COMPORTANT DES AUBES A PLATES-FORMES RAPORTEES.**
[72] TRAPPIER, NICOLAS, FR
[72] BEAUJARD, ANTOINE JEAN-PHILIPPE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-01
[86] 2015-06-03 (PCT/FR2015/051471)
[87] (WO2015/185860)
[30] FR (1455017) 2014-06-03

[11] **2,951,174**
[13] C
[51] **Int.Cl. B02C 21/02 (2006.01)**
[25] EN
[54] **A METHOD FOR IN-LINE QUANTITATIVE ANALYSIS OF A STREAM IN A PRODUCTION PLANT FOR THE SYNTHESIS OF UREA**
[54] **PROCEDE POUR UNE ANALYSE QUANTITATIVE EN LIGNE D'UN FLUX DANS UNE INSTALLATION DE PRODUCTION POUR LA SYNTHESE DE L'UREE**
[72] RUGNONE, LUCA, IT
[73] CASALE S.A., CH
[85] 2016-12-05
[86] 2015-06-02 (PCT/EP2015/062304)
[87] (WO2015/189075)
[30] EP (14172011.0) 2014-06-11

[11] **2,951,307**
[13] C
[51] **Int.Cl. C10M 143/12 (2006.01)**
[25] EN
[54] **VISCOSITY INDEX IMPROVER CONCENTRATES**
[54] **CONCENTRES D'AMELIORATION D'INDICE DE VISCOSITE**
[72] TARIBAGIL, RAJIV R., US
[72] TAYLOR, STUART A., GB
[72] BRIGGS, STUART, US
[72] CHAMBARD, LAURENT, US
[73] INFINEUM INTERNATIONAL LIMITED, GB
[86] (2951307)
[87] (2951307)
[22] 2016-12-09
[30] US (14/963,477) 2015-12-09

[11] **2,952,078**
[13] C
[51] **Int.Cl. A61N 1/36 (2006.01) A61N 1/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FUNCTIONAL ELECTRICAL STIMULATION**
[54] **SYSTEME ET PROCEDE DE STIMULATION ELECTRIQUE FONCTIONNELLE**
[72] KELLER, THIERRY, CH
[72] MALESEVIC, NEBOJSA, RS
[72] BIJELIC, GORAN, HR
[73] FESIA TECHNOLOGY, S.L., ES
[85] 2016-12-13
[86] 2014-06-13 (PCT/EP2014/062474)
[87] (WO2015/188889)

[11] **2,952,750**
[13] C
[51] **Int.Cl. F01D 11/12 (2006.01) B23P 15/04 (2006.01) F01D 9/04 (2006.01) F01D 11/00 (2006.01)**
[25] FR
[54] **METHOD FOR CREATING AND REPAIRING A TURBOMACHINE COMPONENT AND ASSOCIATED TURBOMACHINE COMPONENT**
[54] **PROCEDE DE REALISATION ET DE REPARATION D'UN ORGANE DE TURBOMACHINE ET ORGANE DE TURBOMACHINE ASSOCIE**
[72] MONGIS, THOMAS GUILLAUME, FR
[72] CHAMPION, GUILLAUME BENOIT NOEL, FR
[72] DROUARD, PASCAL JEAN-SERGE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-16
[86] 2015-06-15 (PCT/FR2015/051582)
[87] (WO2015/197942)
[30] FR (FR1455759) 2014-06-23

[11] **2,952,752**
[13] C
[51] **Int.Cl. F01D 11/00 (2006.01) F01D 5/08 (2006.01) F01D 5/30 (2006.01)**
[25] FR
[54] **ROTARY ASSEMBLY FOR TURBOMACHINE**
[54] **ENSEMBLE ROTATIF POUR TURBOMACHINE**
[72] BLANCHARD, STEPHANE PIERRE GUILLAUME, FR
[72] ITO-LARDEAU, YOUKI OLIVIER, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-16
[86] 2015-06-24 (PCT/FR2015/051699)
[87] (WO2015/197980)
[30] FR (1455997) 2014-06-26

[11] **2,953,397**
[13] C
[51] **Int.Cl. H02S 10/30 (2014.01) H02S 40/30 (2014.01) H01L 31/042 (2014.01) H01L 31/18 (2006.01)**
[25] EN
[54] **INFRARED TRANSMISSIVE CONCENTRATED PHOTOVOLTAICS FOR COUPLING SOLAR ELECTRIC ENERGY CONVERSION TO SOLAR THERMAL ENERGY UTILIZATION**
[54] **SYSTEME PHOTOVOLTAIQUE CONCENTRE A TRANSMISSION DE L'INFRAROUGE POUR COUPLER LA CONVERSION D'ENERGIE SOLAIRE EN ENERGIE ELECTRIQUE A UNE UTILISATION D'ENERGIE SOLAIRE THERMIQUE**
[72] ESCARRA, MATTHEW DAVID, US
[72] LEWSON, BENJAMIN, US
[72] JI, YAPING, US
[72] XU, QI, US
[72] OLLANIK, ADAM, US
[73] THE ADMINISTRATORS OF THE TULANE EDUCATIONAL FUND, US
[85] 2016-12-21
[86] 2015-06-29 (PCT/US2015/038396)
[87] (WO2015/200927)
[30] US (62/018,332) 2014-06-27

[11] **2,953,463**
[13] C
[51] **Int.Cl. C08B 15/06 (2006.01) C08B 16/00 (2006.01) D01C 1/00 (2006.01) D01F 2/28 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING CELLULOSE CARBAMATE**
[54] **PROCEDE PERMETTANT LA FABRICATION DE CARBAMATE DE CELLULOSE**
[72] SAXELL, HEIDI, FI
[72] RANTAMAKI, PAULA, FI
[72] EKMAN, KALLE, FI
[73] STORA ENSO OYJ, FI
[85] 2016-12-22
[86] 2015-06-23 (PCT/IB2015/054696)
[87] (WO2015/198218)
[30] SE (1450795-8) 2014-06-27

[11] **2,954,105**
[13] C
[51] **Int.Cl. F01D 5/30 (2006.01)**
[25] FR
[54] **MOUNTING OF VANES IN THE PERIPHERY OF A TURBINE ENGINE DISC**
[54] **MONTAGE D'AUBES EN PERIPHERIE D'UN DISQUE DE TURBOMACHINE**
[72] CONGRATEL, SEBASTIEN, FR
[72] BARIAUD, CHRISTIAN, FR
[72] BOUSQUET, DOMINIQUE JEAN ANDRE, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2017-01-03
[86] 2015-07-02 (PCT/FR2015/051840)
[87] (WO2016/005687)
[30] FR (1456554) 2014-07-08

[11] **2,954,857**
[13] C
[51] **Int.Cl. B21D 26/035 (2011.01) B21D 26/047 (2011.01)**
[25] EN
[54] **MOLDING DEVICE AND MOLDING METHOD**
[54] **DISPOSITIF ET PROCEDE DE MOULAGE**
[72] ISHIZUKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[72] SAIKA, MASAYUKI, JP
[72] KOMATSU, TAKASHI, JP
[73] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2017-01-11
[86] 2015-07-03 (PCT/JP2015/069226)
[87] (WO2016/009854)
[30] JP (2014-145194) 2014-07-15

[11] **2,955,152**
[13] C
[51] **Int.Cl. H02J 15/00 (2006.01) H02J 1/10 (2006.01) H02J 7/00 (2006.01)**
[25] EN
[54] **ENERGY STORAGE BALANCING SYSTEM**
[54] **DISPOSITIF D'EQUILIBRAGE DE STOCKAGE D'ENERGIE**
[72] EMADI, ALI, CA
[72] PREINDL, MATTHIAS, US
[73] ENEDYM INC., CA
[86] (2955152)
[87] (2955152)
[22] 2017-01-16
[30] US (62/279,054) 2016-01-15

[11] **2,957,232**
[13] C
[51] **Int.Cl. F16K 17/00 (2006.01) F16K 11/10 (2006.01)**
[25] EN
[54] **PROPORTIONAL PRESSURE CONTROLLER WITH ISOLATION VALVE ASSEMBLY**
[54] **COMMANDE DE PRESSION PROPORTIONNELLE DOTEE D'UN MECANISME DE VANNE D'ISOLATION**
[72] NEFF, ROBERT H., US
[72] NEFF, MATTHEW, US
[72] WILLIAMS, KEVIN C., US
[72] RICHARDSON, JOSEPH, US
[73] MAC VALVES, INC., US
[86] (2957232)
[87] (2957232)
[22] 2017-02-07
[30] US (15/052,307) 2016-02-24

[11] **2,957,330**
[13] C
[51] **Int.Cl. C10M 145/14 (2006.01)**
[25] EN
[54] **HYDRAULIC FLUIDS CONTAINING A POLYALKYL(METH)ACRYLATE VISCOSITY IMPROVER FOR USE IN PLASTIC INJECTION MOLDING PROCESSES**
[54] **FLUIDES HYDRAULIQUES CONTENANT UN AMELIORATEUR DE LA VISCOSITE D'UN POLYALKYL(METH)ACRYLATE A UTILISER DANS LES PROCEDES DE MOULAGE DE PLASTIQUE PAR INJECTION**
[72] LAUTERWASSER, FRANK, DE
[72] MAHLING, FRANK-OLAF, DE
[72] KOLB, ROBERT, DE
[72] BARTELS, THORSTEN, DE
[72] SCHIMMEL, THOMAS, US
[72] MAIER, STEFAN, DE
[72] ALIBERT, MICHAEL, DE
[73] EVONIK OPERATIONS GMBH, DE
[85] 2017-02-06
[86] 2015-08-07 (PCT/EP2015/068272)
[87] (WO2016/026719)
[30] EP (14181237.0) 2014-08-18

[11] **2,957,493**
[13] C
[51] **Int.Cl. G06T 11/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COLORIMETRIC AND GEOMETRIC PARAMETERIZATION OF PROCEDURAL TEXTURES ON AN OBJECT**
[54] **SYSTEME ET METHODE DE PARAMETRISATION COLORIMETRIQUE ET GEOMETRIQUE DE TEXTURES PROCEDURALES SUR UN OBJET**
[72] DEGUY, SEBASTIEN, FR
[73] ALLEGORITHMIC, FR
[85] 2017-02-07
[86] 2015-07-20 (PCT/IB2015/001210)
[87] (WO2016/024153)
[30] FR (14/01849) 2014-08-14

[11] **2,960,339**
[13] C
[51] **Int.Cl. F01B 7/20 (2006.01) F02B 75/30 (2006.01)**
[25] EN
[54] **INTERNAL COMBUSTION ENGINES**
[54] **MOTEURS A COMBUSTION INTERNE**
[72] BUCKSEY, CHRISTIAN, GB
[73] COX POWERTRAIN LTD, GB
[85] 2017-03-06
[86] 2014-10-16 (PCT/GB2014/053103)
[87] (WO2015/056015)
[30] GB (1318376.9) 2013-10-17
[30] GB (1408534.4) 2014-05-14

[11] **2,960,536**
[13] C
[51] **Int.Cl. B01F 35/53 (2022.01) B01F 23/53 (2022.01) B01F 27/91 (2022.01)**
[25] EN
[54] **MIXING APPARATUS AND ITS USE**
[54] **APPAREIL DE MELANGE ET SON UTILISATION**
[72] LATVA-KOKKO, MARKO, FI
[73] OUTOTEC (FINLAND) OY, FI
[85] 2017-03-08
[86] 2015-09-15 (PCT/FI2015/050610)
[87] (WO2016/042204)
[30] FI (20145808) 2014-09-16

[11] **2,961,429**
[13] C
[51] **Int.Cl. C02F 1/32 (2006.01) B01J 19/12 (2006.01)**
[25] EN
[54] **UV LIGHT REACTOR FOR CONTAMINATED FLUIDS**
[54] **REACTEUR A LUMIERE UV DESTINE AUX FLUIDES CONTAMINES**
[72] SCHUETZ, REINHARD, CA
[73] UV-DOX PATENT LTD, CA
[86] (2961429)
[87] (2961429)
[22] 2017-03-20

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[13] C
[51] **Int.Cl. D21C 11/12 (2006.01)**
[25] EN
[54] **PROCESS FOR TREATING BLACK LIQUOR**
[54] **PROCEDE DE TRAITEMENT DE LIQUEUR NOIRE**
[72] ZEEUW, AREND-JAN, NL
[72] WEARING, JAMES THEODORE, CA
[72] BOYD, DAVID ANTHONY, CA
[72] BRERETON, CLIVE, CA
[72] BLACKWELL, BRIAN ROBIN, CA
[73] HUNTSMAN INTERNATIONAL LLC, US
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[54] **PROCESS FOR THE PREPARATION OF AROMATIC COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES AROMATIQUES**
[72] HEERES, ANDRE, NL
[72] SCHENK, NIELS JAN, NL
[72] ZEEUW, AREND-JAN, NL
[72] DE WAELE, BART, BE
[72] KAMMINGA, KORNELIS JAN, NL
[73] HUNTSMAN INTERNATIONAL LLC, US
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[54] **PATIENT SUPPORT APPARATUS WITH ADJUSTABLE FOOT SECTION**
[54] **APPAREIL DE SOUTIEN DU PATIENT A SUPPORT DE PIED AJUSTABLE**
[72] ELKU, JOSEPH STEVEN DAVID, CA
[72] CONNELL, JASON JOHN, CA
[72] CERNY, JASON JAMES, CA
[72] DERENNE, RICHARD A., US
[73] STRYKER CORPORATION, US
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[54] **VIS CENTRIFUGE DESTINEE A LA SEPARATION MECANIQUE HUMIDE DE SOLIDES**
[72] KLIMENTA, STEFAN, DE
[72] FRANC, JOHANN, DE
[73] ANDRITZ TECHNOLOGY AND ASSET MANAGEMENT GMBH, AT
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[54] **IN-CASINO MOBILE GAMING**
[54] **JEU SUR MOBILE DANS UN CASINO**
[72] PRICE, MELISSA, US
[72] PENA, SADAF, US
[73] CAESARS ENTERTAINMENT OPERATING COMPANY, INC., US
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[25] EN
[54] **DEFINING NON-LINEAR PETROFACIES FOR A RESERVOIR SIMULATION MODEL**
[54] **DEFINITION DE FACIES PETROGRAPHIQUE NON LINEAIRE POUR UN MODELE DE SIMULATION DE RESERVOIR**
[72] RAMSAY, TRAVIS ST. GEORGE, US
[73] LANDMARK GRAPHICS CORPORATION, US
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[54] **PHARMACEUTICAL COMPOSITION FOR ORAL ADMINISTRATION COMPRISING TAXANE**
[54] **COMPOSITION PHARMACEUTIQUE POUR ADMINISTRATION ORALE COMPRENANT UN TAXANE**
[72] LEE, IN-HYUN, KR
[72] SON, MIN-HEE, KR
[72] PARK, YEONG-TAEK, KR
[72] LEE, SEUL-AE, KR
[72] LEE, HAN-KOO, KR
[73] DAE HWA PHARMA. CO., LTD., KR
[85] 2017-04-27
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[25] EN
[54] **SYSTEMS AND METHODS FOR CHAIN JOINT CABLE ROUTING**
[54] **SYSTEMES ET PROCEDES POUR ACHEMINEMENT DE CABLE D'ARTICULATION DE CHAINE**
[72] COLE, MATTHEW, US
[72] LINNEBUR, PAUL DAMON, US
[72] PRESTON, DAN ALAN, US
[72] SCHOFIELD, KEN, US
[73] VEOLIA NUCLEAR SOLUTIONS, INC., US
[85] 2017-05-01
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[25] EN
[54] **MOBILE SUPPORT STRUCTURE FOR BULK MATERIAL CONTAINERS**
[54] **STRUCTURE DE SUPPORT MOBILE POUR CONTENEURS DE MATERIAUX EN VRAC**
[72] HAWKINS, THOMAS W., US
[72] LEWIS, BRYAN JOHN, US
[72] MILLER, TORI H., US
[72] WARREN, WESLEY JOHN, US
[72] SCHAFFNER, AUSTIN CARL, US
[72] FOWLER, GLENN RAY, US
[72] LUCAS, BRYAN CHAPMAN, US
[72] STEGEMOELLER, CALVIN L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **MULTI-DRIVE CRUSHER**
[54] **BROYEUR A ENTRAINEMENT MULTIPLE**
[72] NICHOLSON, PHIL, GB
[72] WHEATLEY, MARTIN, GB
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-05-10
[86] 2014-12-16 (PCT/EP2014/077901)
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[25] EN
[54] **A METHOD FOR REVAMPING AN AMMONIA PLANT**
[54] **PROCEDE DE MODERNISATION D'UNE INSTALLATION DE PRODUCTION D'AMMONIAC**
[72] PANZA, SERGIO, IT
[72] BRUNI, COSTANTINO, CH
[73] CASALE SA, CH
[85] 2017-05-10
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR SUPPRESSION OF INHIBITOR FORMATION AGAINST FACTOR VIII IN HEMOPHILIA A PATIENTS**
[54] **COMPOSITIONS ET PROCEDES POUR LA SUPPRESSION DE LA FORMATION D'UN INHIBITEUR CONTRE LE FACTEUR VIII DE L'HEMOPHILIE A CHEZ DES PATIENTS PAR ADMINISTRATION D'ANTIGENES BIOENCAPSULE S DANS DES CELLULES VEGETALES**
[72] HERZOG, ROLAND W., US
[72] DANIELL, HENRY, US
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[73] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC., US
[85] 2017-05-10
[86] 2014-11-17 (PCT/US2014/065994)
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[30] US (61/905,069) 2013-11-15
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[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING THE THERMAL POWER LINE RATING**
[54] **PROCEDE ET SYSTEME POUR DETERMINER LE COEFFICIENT THERMIQUE D'UNE LIGNE ELECTRIQUE**
[72] LILIEN, JEAN-LOUIS, BE
[72] NGUYEN, HUU-MINH, BE
[72] GODARD, BERTRAND, BE
[73] AMPACIMON SA, BE
[85] 2017-05-15
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[25] EN
[54] **HETEROBIFUNCTIONAL INHIBITORS OF E-SELECTINS AND CXCR4 CHEMOKINE RECEPTORS**
[54] **INHIBITEURS HETEROBIFONCTIONNELS DES E-SELECTINES ET DES RECEPTEURS AUX CHIMIOKINES CXCR4**
[72] MAGNANI, JOHN L., US
[72] SARKAR, ARUN K., US
[72] PETERSON, JOHN M., US
[73] GLYCOMIMETICS, INC., US
[85] 2017-05-18
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[51] **Int.Cl. A61F 2/00 (2006.01)**
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[54] **IMPLANTABLE OCCLUSION SYSTEM**
[54] **SYSTEME OCCLUSIF IMPLANTABLE**
[72] LAMRAOUI, HAMID, FR
[73] UROMEMS, FR
[85] 2017-05-23
[86] 2015-11-25 (PCT/EP2015/077586)
[87] (WO2016/083428)
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[25] EN
[54] **METHOD FOR PREPARING SODIUM FREE ETHYLENEAMINE POLYPHOSPHATE (EAPPA) FOR FLAME RETARDANT USES**
[54] **PROCEDE DE PREPARATION DE POLYPHOSPHATE D'ETHYLENE-AMINE EXEMPT DE SODIUM UTILISE COMME AGENT RETARDATEUR DE FLAMMES**
[72] KASOWSKI, ROBERT VALENTINE, US
[73] KASOWSKI, ROBERT VALENTINE, US
[85] 2017-05-29
[86] 2015-12-12 (PCT/US2015/065415)
[87] (WO2016/094887)
[30] US (62/091,457) 2014-12-12
[30] US (62/110,560) 2015-02-01
[30] US (62/120,465) 2015-02-25
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[25] EN
[54] **ASSESSMENT OF PHYSICAL FITNESS OF AN ANIMAL OR HUMAN INDIVIDUAL**
[54] **EVALUATION DE LA CONDITION PHYSIQUE D'UN SUJET ANIMAL OU HUMAIN**
[72] HARRISON, ADRIAN PAUL, DK
[73] CURO DIAGNOSTICS APS, DK
[85] 2017-06-09
[86] 2015-12-11 (PCT/EP2015/079433)
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[51] **Int.Cl. F04B 53/16 (2006.01) F04B 53/00 (2006.01)**
[25] EN
[54] **FLUID-END OF A HIGH PRESSURE PUMP**
[54] **EXTREMITE DE FLUIDE D'UNE POMPE HAUTE PRESSION**
[72] CARY, PAUL DOUGLAS, US
[72] KACHKOVSKIY, VADIM, US
[73] GD ENERGY PRODUCTS, LLC, US
[86] (2970467)
[87] (2970467)
[22] 2017-06-12
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[25] EN
[54] **CLOSTRIDIUM HISTOLYTICUM ENZYMES AND METHODS FOR THE USE THEREOF**
[54] **ENZYMES DE CLOSTRIDIUM HISTOLYTICUM ET PROCEDES POUR LES UTILISER**
[72] HERBER, WAYNE K., US
[73] AUXILIUM INTERNATIONAL HOLDINGS, INC., US
[86] (2970639)
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[25] EN
[54] **PERSONAL CARE COMPOSITION WITH ZINC PHOSPHATE ACTIVE**
[54] **COMPOSITION DE SOINS PERSONNELS CONTENANT DU PHOSPHATE DE ZINC ACTIF**
[72] PAN, LONG, US
[72] QIAO, BAOHUA, US
[72] HILLIARD, PETER, JR., US
[72] NAWROCKI, SHIRI, US
[72] DUBOVOY, VIKTOR, US
[73] COLGATE-PALMOLIVE COMPANY, US
[85] 2017-06-23
[86] 2014-12-26 (PCT/US2014/072428)
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[51] **Int.Cl. A01C 15/04 (2006.01) A01C 15/00 (2006.01)**
[25] EN
[54] **METERING SYSTEM FOR SOLID PARTICULATE**
[54] **SYSTEME DE DOSAGE POUR MATIERE PARTICULAIRE SOLIDE**
[72] MONTAG, ROGER A., US
[72] MOGLER, ISAAC, US
[72] FEHR, JASON, US
[73] MONTAG INVESTMENTS, LLC, US
[85] 2017-07-07
[86] 2015-01-20 (PCT/US2015/012021)
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[30] US (14/600,621) 2015-01-20

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[51] **Int.Cl. F16J 15/43 (2006.01) F16J 15/34 (2006.01)**
[25] EN
[54] **MAGNETIC ROTARY SEAL WITH IMPROVED DRAIN BACK**
[54] **JOINT ROTATIF MAGNETIQUE A VIDANGE AMELIOREE**
[72] DAWSON, STEPHEN M., US
[73] ISOMAG CORPORATION, US
[85] 2017-07-11
[86] 2016-01-14 (PCT/US2016/013417)
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[25] EN
[54] **CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES**
[72] TANAKA, SHINYA, JP
[72] HIRANO, NAOTO, CA
[72] KAGOYA, YUKI, CA
[73] TAKARA BIO INC., JP
[73] UNIVERSITY HEALTH NETWORK, CA
[85] 2017-07-26
[86] 2016-02-11 (PCT/CA2016/050126)
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[30] US (62/115,527) 2015-02-12

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[51] **Int.Cl. H04W 4/40 (2018.01) G06Q 30/02 (2012.01) G06Q 30/06 (2012.01) G06Q 50/10 (2012.01) G06Q 40/08 (2012.01) G07C 5/00 (2006.01)**
[25] EN
[54] **ASSISTANCE ON THE GO**
[54] **ASSISTANCE EN DEPLACEMENT**
[72] WASSERMAN, ROBERT, US
[72] CAVALLARO KOZLOWSKI, TARA, US
[72] BRIGGS, RYAN M., US
[72] IQBAL, IMRAN, US
[73] ALLSTATE INSURANCE COMPANY, US
[85] 2017-07-31
[86] 2016-01-20 (PCT/US2016/014044)
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[25] EN
[54] **METHODS FOR MAKING AND USING SINOATRIAL NODE-LIKE PACEMAKER CARDIOMYOCYTES AND VENTRICULAR-LIKE CARDIOMYOCYTES**
[54] **PROCEDES DE PRODUCTION ET D'UTILISATION DE CARDIOMYOCYTES STIMULATEURS DE TYPE NOEUD SINO-AURICULAIRE ET DE CARDIOMYOCYTES DE TYPE VENTRICULAIRE**
[72] KELLER, GORDON, CA
[72] PROTZE, STEPHANIE, CA
[73] UNIVERSITY HEALTH NETWORK, CA
[85] 2017-08-10
[86] 2016-02-17 (PCT/CA2016/050142)
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[30] US (62/117,107) 2015-02-17

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[51] **Int.Cl. E21B 17/03 (2006.01) E21D 20/00 (2006.01) F16B 21/00 (2006.01)**
[25] EN
[54] **MULTI-FUNCTIONAL CONNECTOR, DRILL HEAD, AND METHOD**
[54] **RACCORD MULTIFONCTIONNEL, TETE DE FORAGE, ET PROCEDE**
[72] GALLER, THOMAS, AT
[72] FELBER, ROBERT, AT
[72] HABERER, CHRISTOPH, AT
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2017-08-14
[86] 2015-04-02 (PCT/EP2015/057296)
[87] (WO2016/155832)

[11] **2,976,955**
[13] C
[51] **Int.Cl. G02B 5/18 (2006.01)**
[25] EN
[54] **IMPROVED MANUFACTURING FOR VIRTUAL AND AUGMENTED REALITY SYSTEMS AND COMPONENTS**
[54] **FABRICATION AMELIOREE POUR SYSTEMES ET COMPOSANTS DE REALITE VIRTUELLE ET AUGMENTEE**
[72] TEKOLSTE, ROBERT D., US
[72] KLUG, MICHAEL A., US
[72] GRECO, PAUL M., US
[72] SCHOWENGERDT, BRIAN T., US
[73] MAGIC LEAP, INC., US
[85] 2017-08-16
[86] 2016-03-05 (PCT/US2016/021093)
[87] (WO2016/141372)
[30] US (62/128,925) 2015-03-05
[30] US (15/007,117) 2016-01-26

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[25] EN
[54] **LANCE UNBLOCKING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE DEBOUCHAGE DE LANCE**
[72] HAYTON, MARK, AU
[72] DRY, RODNEY JAMES, AU
[72] PILOTE, JACQUES, AU
[73] TATA STEEL LIMITED, IN
[85] 2017-08-17
[86] 2016-02-16 (PCT/AU2016/050102)
[87] (WO2016/131097)
[30] AU (2015900516) 2015-02-17

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[13] C
[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/00 (2006.01)**
[25] EN
[54] **ELECTROMAGNETIC WAVE CONCENTRATED HEATING AND HEAT-ACTIVATED CHEMICAL REACTIONS OF ENHANCED SENSITIZERS FOR ENHANCED OIL RECOVERY**
[54] **CHAUFFAGE CONCENTRE PAR ONDES ELECTROMAGNETIQUES ET REACTIONS CHIMIQUES ACTIVEES PAR LA CHALEUR DE SENSIBILISATEURS PERFECTIONNES PERMETTANT UNE MEILLEURE RECUPERATION DU PETROLE**
[72] PARK, SIMON, CA
[72] KIM, SEONGHWAN, CA
[72] VYAS, RUSHI, CA
[73] ESPARK ENERGY INC., CA
[85] 2017-08-24
[86] 2016-02-25 (PCT/CA2016/050197)
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[30] US (62/120,422) 2015-02-25

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[13] C
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[25] EN
[54] **BIOACTIVE AGENTS UNDER WATER DISPERSIBLE SOLID FORMS FOR FOOD, NUTRACEUTICAL, AGRICULTURAL AND PHARMACEUTICAL APPLICATIONS**
[54] **FORMES SOLIDES DISPERSIBLES SOUS L'EAU D'AGENTS BIOACTIFS POUR DES APPLICATIONS ALIMENTAIRES, NUTRACEUTIQUES, AGRICOLES ET PHARMACEUTIQUES**
[72] CANH, LE TIEN, CA
[72] MATEESCU, MIRCEA-ALEXANDRU, CA
[73] B-ORGANIC FILMS CORP., CA
[85] 2017-08-25
[86] 2015-02-25 (PCT/CA2015/000117)
[87] (WO2015/127537)
[30] US (61/945,495) 2014-02-27

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[13] C
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[25] EN
[54] **PORCINE EPIDEMIC DIARRHEA VIRUS STRAINS AND IMMUNOGENIC COMPOSITIONS THEREFROM**
[54] **SOUCHES DU VIRUS DE LA DIARRHEE EPIDEMIQUE PORCINE ET COMPOSITIONS IMMUNOGENES TIREES DE CELLES-CI**
[72] ZHANG, JIANQIANG, US
[72] CHEN, QI, US
[72] GAUGER, PHILLIP, US
[72] MADSON, DARIN, US
[72] HARDHAM, JOHN MORGAN, US
[72] BANDRICK, MEGGAN, US
[72] CALVERT, JAY GREGORY, US
[72] THOMPSON, JAMES RICHARD, US
[72] STOEVA, MIRA IVANOVA, US
[72] VALDEZ, WALTER, US
[73] ZOETIS SERVICES LLC, US
[73] IOWA STATE UNIVERSITY RESEARCH FOUNDATION, INC., US
[85] 2017-08-25
[86] 2016-02-26 (PCT/US2016/019846)
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[54] **PRESSURE AND HEADLOSS MAINTAINING VALVE SYSTEM FOR CLEAN AND DIRTY WATER SYSTEMS**
[54] **SYSTEME DE SOUPAPE MAINTENANT LA PRESSION ET LA PERTE DE CHARGE DESTINE AU NETTOYAGE DE SYSTEMES DE DISTRIBUTION D'EAU PROPRE ET D'EAU SALE**
[72] PLATUSICH, BRUCE M., US
[73] RED VALVE COMPANY, INC., US
[86] (2978414)
[87] (2978414)
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[25] EN
[54] **GUANIDINE COMPOUNDS AND USE THEREOF**
[54] **COMPOSES DE GUANIDINE ET LEUR UTILISATION**
[72] KIM, SUNG WUK, KR
[72] KIM, HONG WOO, KR
[72] YOO, SANG HEE, KR
[72] LEE, JI SUN, KR
[72] HEO, HYE JIN, KR
[72] LEE, HONG BUM, KR
[72] KOOK, JI AE, KR
[72] LEE, YOUNG WOO, KR
[73] IMMUNOMET THERAPEUTICS INC., US
[85] 2017-10-25
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[54] **CHILD RESISTANT DROPPER CLOSURE**
[54] **FERMETURE DE COMPTE-GOUTTES RESISTANT AUX ENFANTS**
[72] PHILIP, BRADLEY S., US
[72] MASTIC, TODD, US
[72] BATES, PETER, US
[73] AMCOR RIGID PLASTICS USA, LLC, US
[85] 2017-10-27
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[25] EN
[54] **ROPE HOIST**
[54] **PALAN A CABLE**
[72] KOSUGA, KOSUKE, JP
[72] YUDATE, FUJITO, JP
[73] KITO CORPORATION, JP
[85] 2017-10-30
[86] 2016-03-16 (PCT/JP2016/058405)
[87] (WO2016/178339)
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[25] EN
[54] **METHOD OF DETERMINING A CHEMICAL COMPOSITION OF A SLAG PORTION**
[54] **PROCEDE DE DETERMINATION D'UNE COMPOSITION CHIMIQUE D'UNE PARTIE DE SCORIES**
[72] VICENTE ROJO, ASIER, ES
[72] PICON RUIZ, ARTZAI, ES
[72] RODRIGUEZ VAAMONDE, SERGIO, ES
[73] ARCELORMITTAL, LU
[85] 2017-11-14
[86] 2015-05-11 (PCT/IB2015/053453)
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[25] EN
[54] **METHOD FOR EXTRACTING AMERICIUM FROM LIQUID RADIOACTIVE WASTES AND ITS SEPARATION FROM RARE-EARTH ELEMENTS**
[54] **PROCEDE D'EXTRACTION D'AMERICIUM A PARTIR DE DECHETS RADIOACTIFS LIQUIDES ET DE SA SEPARATION DES ELEMENTS DES TERRES RARES**
[72] ALYAPYSHEV, MIHAIL YURIEVICH, RU
[72] BABAIN, VASILY ALEKSANDROVICH, RU
[72] KENF, EKATERINA VLADIMIROVNA, RU
[72] TKACHENKO, LUDMILA IGOREVNA, RU
[72] LOGUNOV, MIHAIL VASILIEVICH, RU
[72] VOROSHILOV, YURIY ARKADIEVICH, RU
[72] HASANOV, RINAT NAILEVICH, RU
[72] SHADRIN, ANDREY YURIEVICH, RU
[72] VIDANOV, VITALIY LVOVICH, RU
[73] STATE ATOMIC ENERGY CORPORATION "ROSATOM" ON BEHALF OF THE RUSSIAN FEDERATION, RU
[85] 2018-01-29
[86] 2015-12-31 (PCT/RU2015/000967)
[87] (WO2016/182472)
[30] RU (2015117911) 2015-05-13

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[25] EN
[54] **NOVEL ANTI-HUMAN NGF ANTIBODY FAB FRAGMENT**
[54] **NOUVEAU FRAGMENT FAB D'ANTICORPS CONTRE LE NGF HUMAIN**
[72] TANAKA, HIROTSUGU, JP
[72] FUJITA, HIROTADA, JP
[72] AOKI, TOSHIAKI, JP
[73] ASTELLAS PHARMA INC., JP
[85] 2017-11-16
[86] 2016-05-20 (PCT/JP2016/065099)
[87] (WO2016/190263)
[30] JP (2015-104806) 2015-05-22

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[51] **Int.Cl. G08B 25/04 (2006.01) G08B 21/02 (2006.01) H04M 11/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING ASSISTANCE IN AN EMERGENCY**
[54] **SYSTEMES ET PROCEDES POUR FOURNIR UNE ASSISTANCE EN CAS D'URGENCE**
[72] WINKLER, WILLIAM ZACHARY, US
[72] WOMACK, CHRISTOPHER CHAD, US
[72] KUNNEMANN, AARON MIKKAEL, US
[73] NOONLIGHT, INC., US
[85] 2017-11-21
[86] 2016-05-25 (PCT/US2016/034182)
[87] (WO2016/191497)
[30] US (62/179,977) 2015-05-26
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[51] **Int.Cl. A61K 31/135 (2006.01) A61K 9/70 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **KETAMINE TRANSDERMAL DELIVERY SYSTEM**
[54] **SYSTEME D'ADMINISTRATION TRANSDERMIQUE DE LA KETAMINE**
[72] TANG, HUADONG, US
[72] TAN, HOCK S., US
[72] MAYERSOHN, MICHAEL, US
[73] SHENOX PHARMACEUTICALS, LLC, US
[85] 2017-11-29
[86] 2016-06-27 (PCT/US2016/039601)
[87] (WO2017/003935)
[30] US (62/185,573) 2015-06-27

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[25] EN
[54] **DIHYDROPYRENE DERIVATIVES, PROCESSES FOR PREPARING THE SAME AND THEIR USES**
[54] **DERIVES DIHYDROPYRENE, PROCEDES POUR LES PREPARER ET LEURS UTILISATIONS**
[72] ROYAL, GUY, FR
[72] COBO, SAIOA, FR
[72] SAINT-AMAN, ERIC, FR
[73] UNIVERSITE GRENOBLE ALPES, FR
[85] 2017-12-01
[86] 2015-06-04 (PCT/IB2015/001934)
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[25] EN
[54] **SOYBEAN SEED AND OIL COMPOSITIONS AND METHODS OF MAKING SAME**
[54] **COMPOSITIONS D'HUILES ET DE GRAINES DE SOJA ET PROCEDES DE FABRICATION**
[72] FILLATTI, JOANNE J., US
[72] KEITHLY, GREG E., US
[72] VOELKER, TONI, US
[72] ULMASOV, TIM, US
[73] MONSANTO TECHNOLOGY LLC, US
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[25] EN
[54] **POOLING DEVICE FOR SINGLE OR MULTIPLE MEDICAL CONTAINERS**
[54] **DISPOSITIF DE REGROUPEMENT POUR RECIPIENT UNIQUE OU DE MULTIPLES RECIPIENTS**
[72] SCHWEISS, MARK DAVID, US
[72] ROUSH, DANIEL E., US
[72] HOLZNER, STEFAN, US
[72] JONES, SETH DALE, US
[72] LOOPER, ANTHONY MARTIN, US
[72] DHYANI, TEJAS, US
[72] SHAH, MICHELLE, US
[72] GIBSON, MADELEINE CLARE, US
[72] CHUNG, JESSICA, US
[73] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2017-12-07
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[25] EN
[54] **ENZYMATIC-ASSISTED HYDROTHERMAL EXTRACTION OF HEMICELLULOSES**
[54] **EXTRACTION D'HEMICELLULOSES HYDROTHERMIQUE ASSISTEE PAR DES ENZYMES**
[72] VILAPLANA, FRANCISCO, SE
[72] RUTHES, ANDREA CAROLINE, SE
[73] LANTMANNEN EK FOR, SE
[85] 2017-12-08
[86] 2016-06-10 (PCT/EP2016/063372)
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[30] SE (1550805-4) 2015-06-12
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[51] **Int.Cl. C07D 233/32 (2006.01) A61K 31/4166 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **ARYL SULFONAMIDE COMPOUNDS AS CARBONIC ANHYDRASE INHIBITORS AND THEIR THERAPEUTIC USE**
[54] **COMPOSES D'ARYL SULFONAMIDE UTILISES COMME INHIBITEURS D'ANHYDRASE CARBONIQUE ET LEUR UTILISATION THERAPEUTIQUE**
[72] ZHANG, ZAIHUI, CA
[73] SIGNALCHEM LIFESCIENCES CORPORATION, CA
[85] 2017-12-29
[86] 2016-07-01 (PCT/US2016/040736)
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[25] EN
[54] **SYSTEM AND METHOD FOR OBTAINING INFORMATION RELATING TO AN ITEM OF COMMERCE USING A PORTABLE IMAGING DEVICE**
[54] **SYSTEME ET PROCEDE POUR OBTENIR DES INFORMATIONS RELATIVES A UN ARTICLE DE COMMERCE, AU MOYEN D'UN DISPOSITIF D'IMAGERIE PORTABLE**
[72] DU, KAVIN, US
[72] NANKOV, MILEN, US
[73] AMAZON TECHNOLOGIES, INC., US
[86] (2991966)
[87] (2991966)
[22] 2004-12-22
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[25] EN
[54] **PURE LAYERED STRETCH FILM PRODUCED USING SINGLE PASS EXTRUSION RESINS**
[54] **FILM ETIRABLE EN COUCHES PURE PRODUIT A L'AIDE DE RESINES D'EXTRUSION A PASSAGE UNIQUE**
[72] BAAB, MICHAEL JOHN, US
[73] PARAGON FILMS, INC., US
[85] 2018-01-25
[86] 2016-08-01 (PCT/US2016/044998)
[87] (WO2017/020037)
[30] US (62/199,152) 2015-07-30
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[51] **Int.Cl. E21B 17/03 (2006.01) E21B 3/02 (2006.01)**
[25] EN
[54] **TOOL COUPLER WITH ROTATING COUPLING METHOD FOR TOP DRIVE**
[54] **DISPOSITIF DE RACCORD D'OUTIL A METHODE DE COUPLAGE ROTATIF DESTINE A UN MECANISME D'ENTRAINEMENT SUPERIEUR**
[72] LIESS, MARTIN, DE
[72] FUEHRING,ERNST, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (2995284)
[87] (2995284)
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[25] EN
[54] **A MICROFLUIDIC HYDRODYNAMIC SHUTTLING CHIP DEVICE FOR HIGHTHROUGHPUT MULTIPLE SINGLE CELLS CAPTURE**
[54] **DISPOSITIF DE PUCE DE TRANSPORT HYDRODYNAMIQUE MICROFLUIDIQUE POUR LA CAPTURE DE MULTIPLES CELLULES SIMPLES A HAUT DEBIT**
[72] HSU, CHIA-HSIEN, TW
[73] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[85] 2018-02-12
[86] 2016-08-13 (PCT/US2016/046944)
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[25] EN
[54] **OPTIMIZED FC VARIANTS**
[54] **VARIANTS FC OPTIMISES**
[72] BEHRENS, CHRISTIAN, FR
[72] JORIEUX, SYLVIE, FR
[72] KHARRAT, ABDELHAKIM, FR
[72] BOUAYADI, KHALIL, FR
[72] MONDON, PHILIPPE, FR
[72] MONNET-MARS, CELINE, FR
[73] LABORATOIRE FRANCAIS DU FRACTIONNEMENT ET DES BIOTECHNOLOGIES, FR
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[25] EN
[54] **IMAGE GENERATING APPARATUS AND IMAGE DISPLAY CONTROL APPARATUS FOR A PANORAMIC IMAGE**
[54] **APPAREIL DE GENERATION D'IMAGES ET APPAREIL DE COMMANDE D'AFFICHAGE D'IMAGES POUR IMAGES PANORAMIQUES**
[72] OTO, TOMOHIRO, JP
[72] SHINOHARA, TAKAYUKI, JP
[73] SONY INTERACTIVE ENTERTAINMENT INC., JP
[85] 2018-02-14
[86] 2016-06-24 (PCT/JP2016/068873)
[87] (WO2017/029885)
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[25] EN
[54] **SEQUENCING BULK MATERIAL CONTAINERS FOR CONTINUOUS MATERIAL USAGE**
[54] **SEQUENCAGE DE CONTENANTS DE MATIERES EN VRAC POUR UNE UTILISATION DE MATERIAU CONTINUE**
[72] BELCHER, DONALD ANTHONY, US
[72] WARREN, WESLEY JOHN, US
[72] LUCAS, BRYAN CHAPMAN, US
[72] LEWIS, BRYAN JOHN, US
[72] HUNTER, TIMOTHY, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. C07C 211/13 (2006.01) A61L 2/18 (2006.01)**
[25] EN
[54] **METHODS OF MAKING TRIAMINE SOLIDS**
[54] **PROCEDES DE FABRICATION DE MATIERES SOLIDES A BASE DE TRIAMINE**
[72] OLSON, ERIK C., US
[72] SILVERNAIL, CARTER M., US
[72] GRIESE, GREGORY G., US
[73] ECOLAB USA INC., US
[85] 2018-03-09
[86] 2016-09-16 (PCT/US2016/052141)
[87] (WO2017/049088)
[30] US (62/219,760) 2015-09-17

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[51] **Int.Cl. A61F 2/46 (2006.01)**
[25] EN
[54] **METHODS, INSTRUMENTS AND IMPLANTS FOR SCAPHO-LUNATE RECONSTRUCTION**
[54] **METHODES, INSTRUMENTS ET IMPLANTS POUR UNE RECONSTRUCTION SCAPHO-LUNAIRE**
[72] ROSENWASSER, MELVIN, US
[72] ROSENWASSER, EDWARD, US
[72] VON AMSBERG, MARC, US
[72] DONALDSON, CATE, US
[72] SCHULTZ, MATT, US
[73] ACUMED LLC, US
[85] 2018-03-12
[86] 2016-09-14 (PCT/US2016/051706)
[87] (WO2017/048826)
[30] US (62/218,387) 2015-09-14

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[25] EN
[54] **EUKARYOTIC CELL WITH INCREASED PRODUCTION OF FERMENTATION PRODUCT**
[54] **CELLULE EUCARYOTE PRESENTANT UNE PRODUCTION ACCRUE DE PRODUIT DE FERMENTATION**
[72] PAPAPETRIDIS, IOANNIS, NL
[72] PRONK, JACOBUS THOMAS, NL
[72] VAN MARIS, ANTONIUS JEROEN ADRIAAN, SE
[72] KLAASSEN, PAUL, NL
[73] DSM IP ASSETS B.V., NL
[85] 2018-03-16
[86] 2016-10-03 (PCT/EP2016/073561)
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[30] EP (15188645.4) 2015-10-06

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[51] **Int.Cl. A01G 31/00 (2018.01) A01G 31/06 (2006.01)**
[25] EN
[54] **IMPROVED HYDROPONIC PLANT CULTIVATING APPARATUS**
[54] **APPAREIL AMELIORE DE CULTURE HYDROPONIQUE DE PLANTES**
[72] BRYAN, MORRIS, US
[73] TOWER GARDEN, LLC, US
[85] 2018-04-19
[86] 2016-05-12 (PCT/US2016/032205)
[87] (WO2017/069803)
[30] US (62/243,767) 2015-10-20

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[51] **Int.Cl. F16H 39/42 (2006.01) B64C 13/40 (2006.01) B64C 13/50 (2006.01) F15B 15/08 (2006.01) F16H 61/42 (2010.01)**
[25] EN
[54] **LOW PROFILE ELECTRO-HYDROSTATIC ACTUATOR**
[54] **ACTIONNEUR ELECTRO-HYDROSTATIQUE A PROFIL BAS**
[72] BLANDING, DAVID E., US
[72] COFFMAN, JEFFREY C., US
[73] THE BOEING COMPANY, US
[86] (3003277)
[87] (3003277)
[22] 2018-04-30
[30] US (15/689,862) 2017-08-29

[11] **3,003,388**
[13] C
[51] **Int.Cl. H04W 88/06 (2009.01) H04W 16/14 (2009.01) H04W 28/20 (2009.01) H04W 72/04 (2009.01) H04W 72/12 (2009.01)**
[25] EN
[54] **UPLINK AND/OR DOWNLINK SIGNALING RELATED TO DIFFERENT RADIO ACCESS TECHNOLOGIES**
[54] **SIGNALISATION DE LIAISON MONTANTE ET/OU DESCENDANTE ASSOCIEE A DIFFERENTES TECHNOLOGIES D'ACCES RADIO**
[72] BALDEMAIR, ROBERT, SE
[72] PARKVALL, STEFAN, SE
[72] MILDH, GUNNAR, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2018-04-26
[86] 2015-11-10 (PCT/SE2015/051187)
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[11] **3,005,631**
[13] C
[51] **Int.Cl. G06F 3/14 (2006.01)**
[25] EN
[54] **SECONDARY COMPUTING DEVICE ASSISTANT**
[54] **ASSISTANT DE DISPOSITIF INFORMATIQUE SECONDAIRE**
[72] ZHA, TIANTIAN, US
[72] KUSCHER, ALEXANDER FRIEDRICH, US
[72] CHEN, JENNIFER SHIEN-MING, US
[72] BALASUBRAMANIAN, SANTHOSH, US
[73] GOOGLE LLC, US
[85] 2018-05-16
[86] 2016-12-19 (PCT/US2016/067542)
[87] (WO2017/171948)
[30] US (15/085,940) 2016-03-30

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[13] C
[51] **Int.Cl. A01G 9/02 (2018.01) A01G 9/029 (2018.01)**
[25] EN
[54] **INSERT AND APPARATUS FOR TRANSPLANTING PLANTS**
[54] **INSERT ET APPAREIL POUR TRANSPLANTER DES PLANTES**
[72] VAN ROOIJEN, NICOLAAS, AU
[73] GOLDFIELDS COLLECTIONS PTY LTD, AU
[86] (3007685)
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[22] 2014-03-13
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[25] EN
[54] **A METHOD, SYSTEM, COMPUTER PROGRAM PRODUCT AND DEVICE FOR FACILITATING CENTRALIZED CONTROL AND MONITORING OVER A NETWORK OF A SET OF REMOTE BATHING UNIT SYSTEMS**
[54] **UNE METHODE, UN SYSTEME, UN PRODUIT DE PROGRAMME INFORMATIQUE ET UN DISPOSITIF SERVANT A FACILITER LE CONTROLE CENTRALISE ET LA SURVEILLANCE SUR UN RESEAU D'UN ENSEMBLE DE SYSTEMES DE MODULE DE BAIN A DISTANCE**
[72] LAFLAMME, BENOIT, CA
[73] GECKO ALLIANCE GROUP INC., CA
[86] (3007688)
[87] (3007688)
[22] 2018-06-07

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[51] **Int.Cl. A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **PURGING SYSTEM FOR MULTIPLE VARIETY SEED METER**
[54] **SYSTEME DE PURGE DESTINE A UN DOSEUR DE SEMENCES DE VARIETE MULTIPLE**
[72] SCHOENY, CHRISTOPHER, US
[72] JOHNSON, CHAD M., US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (3008811)
[87] (3008811)
[22] 2018-06-19
[30] US (15/678,231) 2017-08-16

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[25] EN
[54] **SYSTEM AND METHOD FOR SPRAYING FLUID ONTO SEEDS DISPENSED FROM A PLANTER**
[54] **SYSTEME ET METHODE DE PULVERISATION DE FLUIDE SUR LES SEMENCES DISTRIBUEES PAR UNE PLANTEUSE**
[72] KOWALCHUK, TREVOR L., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3008991)
[87] (3008991)
[22] 2018-06-21
[30] US (15/683,943) 2017-08-23

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[13] C
[51] **Int.Cl. H04L 27/00 (2006.01) H04B 7/02 (2018.01) H04L 27/10 (2006.01) H04L 27/18 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM OF MODULATION CLASSIFICATION USING SIGNAL GRAPHS**
[54] **METHODE ET SYSTEME DE CLASSEMENT DE MODULATION AU MOYEN DES GRAPHIQUES DE SIGNAUX**
[72] ELDEMERDASH, YAHIA A., CA
[72] DOBRE, OCTAVIA A., CA
[72] URETEN, OKTAY, CA
[72] YENSEN, TREVOR, CA
[73] ALLEN-VANGUARD CORPORATION, CA
[86] (3009984)
[87] (3009984)
[22] 2018-06-28
[30] US (62526561) 2017-06-29

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[51] **Int.Cl. H04N 7/56 (2006.01) H04N 21/242 (2011.01) H04N 21/63 (2011.01)**
[25] EN
[54] **MEDIA RECOGNITION AND SYNCHRONISATION TO A MOTION SIGNAL**
[54] **RECONNAISSANCE ET SYNCHRONISATION DE CONTENU MULTIMEDIA SUR UN SIGNAL DE MOUVEMENT**
[72] MENARD, JEAN-FRANCOIS, CA
[72] LEMIEUX, PIERRE-ANTONY STIVELL, US
[73] D-BOX TECHNOLOGIES INC., CA
[86] (3011865)
[87] (3011865)
[22] 2011-06-02
[62] 2,841,802
[30] US (61/366,301) 2010-07-21

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[13] C
[51] **Int.Cl. B65H 45/24 (2006.01) B65H 45/28 (2006.01)**
[25] EN
[54] **AN INTERLEAVING UNIT, AND METHOD FOR INTERLEAVING A SUCCESSION OF SHEETS**
[54] **UNITE D'INTERCALAGE ET PROCEDE D'INTERCALAGE D'UNE SUCCESSION DE FEUILLES**
[72] LUPI, GIUSEPPE, IT
[72] GIOMETTI, GIANLUCA, IT
[72] TORRI, ANGELO, IT
[73] UNITED CONVERTING S.R.L., IT
[85] 2018-07-19
[86] 2017-01-19 (PCT/IT2017/000008)
[87] (WO2017/134693)
[30] IT (102016000010399) 2016-02-02

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[51] **Int.Cl. H04N 21/431 (2011.01) H04N 21/472 (2011.01) H04N 21/4722 (2011.01) H04N 21/482 (2011.01) G06F 3/0481 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR NAVIGATING A MEDIA GUIDANCE APPLICATION WITH MULTIPLE PERSPECTIVE VIEWS**
[54] **SYSTEMES ET PROCEDES PERMETTANT DE NAVIGUER DANS UNE APPLICATION DE GUIDAGE MULTIMEDIA AVEC DE MULTIPLES VUES EN PERSPECTIVE**
[72] WOODS, THOMAS STEVEN, US
[72] CONNESS, JASON, US
[72] BAUDER, CHRISTOPHER, DE
[73] ROVI GUIDES, INC., US
[86] (3012526)
[87] (3012526)
[22] 2010-03-23
[62] 2,757,652
[30] US (61/212414) 2009-04-10
[30] US (12/571035) 2009-09-30
[30] US (12/571069) 2009-09-30
[30] US (12/571186) 2009-09-30

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[13] C
[51] **Int.Cl. G06T 7/80 (2017.01) G03B 43/00 (2021.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATED CAMERA CALIBRATION**
[54] **SYSTEMES ET PROCEDES D'ETALONNAGE AUTOMATISE D'APPAREIL PHOTOGRAPHIQUE**
[72] JAVAN ROSHTKHARI, MEHRSAN, CA
[72] GAMBOA HIGUERA, JUAN CAMILO, CA
[72] DUDEK, GREGORY LEWIS, CA
[73] SPORTLOGIQ INC., CA
[85] 2018-07-26
[86] 2017-02-02 (PCT/CA2017/050117)
[87] (WO2017/132766)
[30] US (62/290,558) 2016-02-03

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[13] C
[51] **Int.Cl. A61F 9/007 (2006.01)**
[25] EN
[54] **OPHTHALMIC SURGICAL INSTRUMENT**
[54] **INSTRUMENT CHIRURGICAL OPHTALMIQUE**
[72] DETURK, NEAL ROBERT, US
[72] SCHATZ, WAYNE FREDERICK, US
[72] LUCIA, RICHARD LAWRENCE, US
[72] BUTRON, ANDREW ROBERT, US
[72] PLASCENCIA, FRANK TAMAYO, JR., US
[72] YERKA, TERRY MARTIN, US
[72] AMERAL, JOSE EDUARDO, US
[73] AUTOCAM MEDICAL DEVICES, LLC, US
[86] (3012868)
[87] (3012868)
[22] 2013-10-01
[62] 2,828,730
[30] US (61/709,540) 2012-10-04
[30] US (61/709,547) 2012-10-04
[30] US (61/709,568) 2012-10-04
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[25] EN
[54] **SELF-PROPELLED VEHICLES WITH PITCH CONTROL**
[54] **VEHICULES AUTOPROPULSES EQUIPES DE CONTROLE DE PAS**
[72] DOCKTER, NATHAN D., US
[73] VERMEER MANUFACTURING COMPANY, US
[86] (3013919)
[87] (3013919)
[22] 2018-08-10
[30] US (62/544139) 2017-08-11
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[11] **3,014,647**
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[51] **Int.Cl. H02J 1/10 (2006.01) G05F 3/08 (2006.01) H02J 3/38 (2006.01) H02J 7/35 (2006.01)**
[25] EN
[54] **COMBINATION WIND/SOLAR DC POWER SYSTEM**
[54] **COMBINAISON DE SYSTEME D'ALIMENTATION EN CC SOLAIRE/EOLIEN**
[72] MAUG, JAMES A., US
[72] FIELDS, JAMES P., US
[73] PITT-OHIO EXPRESS LLC, US
[85] 2018-08-14
[86] 2017-02-15 (PCT/US2017/017905)
[87] (WO2017/142905)
[30] US (62/295,349) 2016-02-15

[11] **3,015,234**
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[51] **Int.Cl. F16J 15/26 (2006.01) F04B 53/02 (2006.01) F16J 15/18 (2006.01)**
[25] EN
[54] **PACKING FOR A WELL SERVICE PUMP**
[54] **GARNITURE DE POMPE D'ENTRETIEN DE PUITS**
[72] CHASE, JOHN, US
[72] WIEGAND, TROY E., US
[73] GD ENERGY PRODUCTS, LLC, US
[86] (3015234)
[87] (3015234)
[22] 2018-08-23
[30] US (15/710,574) 2017-09-20

[11] **3,015,454**
[13] C
[51] **Int.Cl. G06F 16/20 (2019.01) G06F 16/23 (2019.01) G06F 16/906 (2019.01) G06Q 30/00 (2012.01) G06Q 40/00 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COMPLAINT AND REPUTATION MANAGEMENT IN A MULTI-PARTY DATA MARKETPLACE**
[54] **SYSTEME ET PROCEDE DE GESTION DE PLAINTES ET DE REPUTATION SUR UNE PLACE DE MARCHE DE DONNEES A PLUSIEURS ABONNES**
[72] SHUKLA, MANISH, IN
[72] LODHA, SACHIN PREMSUKH, IN
[72] PADMANABHAN, KISHORE, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[85] 2018-08-22
[86] 2017-02-22 (PCT/IB2017/051005)
[87] (WO2017/145067)
[30] IN (201621006133) 2016-02-22

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[25] EN
[54] **3D CAPACITOR AND CAPACITOR ARRAY FABRICATING PHOTOACTIVE SUBSTRATES**
[54] **SUBSTRATS PHOTOACTIFS POUR FABRIQUER UN CONDENSATEUR 3D ET UN RESEAU DE CONDENSATEURS**
[72] FLEMMING, JEB H., US
[72] BULLINGTON, JEFF, US
[72] MCWETHY, KYLE, US
[73] 3D GLASS SOLUTIONS, INC., US
[85] 2018-08-22
[86] 2017-02-24 (PCT/US2017/019483)
[87] (WO2017/147511)
[30] US (62/299,641) 2016-02-25

[11] **3,017,700**
[13] C
[51] **Int.Cl. H01M 8/04746 (2016.01) H01M 8/04 (2016.01)**
[25] EN
[54] **FUEL CELL SYSTEM AND CONTROL DEVICE THEREFOR, AND CONTROL METHOD FOR FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET SON DISPOSITIF DE COMMANDE, ET PROCEDE DE COMMANDE DE SYSTEME DE PILE A COMBUSTIBLE**
[72] CHIKUGO, HAYATO, JP
[72] TOMITA, YOUSUKE, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-09-13
[86] 2016-11-28 (PCT/JP2016/085173)
[87] (WO2017/158939)
[30] JP (2016-051472) 2016-03-15

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[13] C
[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **APPROACHES FOR ACHIEVING IMPROVED CAPACITY PLANS FOR A SATELLITE COMMUNICATIONS SYSTEM VIA INTERLEAVED BEAMS FROM MULTIPLE SATELLITES**
[54] **APPROCHES VISANT A AMELIORER DES PLANS DE CAPACITE POUR UN SYSTEME DE COMMUNICATIONS PAR SATELLITE VIA DES FAISCEAUX ENTRELACES PROVENANT D'UNE PLURALITE DE SATELLITES**
[72] MORRIS, ADRIAN, US
[72] ROOS, DAVE, US
[72] KAY, STAN, US
[73] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2018-08-27
[86] 2017-03-06 (PCT/US2017/021008)
[87] (WO2017/204881)
[30] US (62/304,121) 2016-03-04

[11] **3,019,466**
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[51] **Int.Cl. H02J 3/32 (2006.01) B64D 41/00 (2006.01) B64D 47/00 (2006.01) H02J 3/02 (2006.01)**
[25] EN
[54] **ELECTRIC SYSTEM STABILIZING SYSTEM FOR AIRCRAFT**
[54] **SYSTEME DE STABILISATION DE SYSTEME ELECTRIQUE POUR AERONEF**
[72] IWASHIMA, ATSUSHI, JP
[72] SUGIMOTO, KAZUSHIGE, JP
[72] MATSUO, KAZUYA, JP
[72] BREIT, JOSEPH S., US
[72] NOZARI, FARHAD, US
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[73] THE BOEING COMPANY, US
[86] (3019466)
[87] (3019466)
[22] 2013-07-29
[62] 2,971,338
[30] US (13/561,572) 2012-07-30

[11] **3,021,616**
[13] C
[51] **Int.Cl. B29C 67/00 (2017.01)**
[25] EN
[54] **RESIN TANK FOR PHOTOCURING 3D PRINTER AND 3D PRINTER**
[54] **RESERVOIR DE RESINE POUR IMPRIMANTE 3D PHOTOPOLYMERISABLE ET IMPRIMANTE 3D**
[72] LI, HOUMIN, CN
[72] SONG, XUEYANG, CN
[72] YE, SHANDING, CN
[72] WANG, YIKUN, CN
[72] ZHU, KAIQIANG, CN
[72] XU, BEIBEI, CN
[73] GOLD ARRAY TECHNOLOGY (BEIJING), LLC., CN
[85] 2018-10-19
[86] 2017-06-19 (PCT/CN2017/088989)
[87] (WO2017/219942)
[30] CN (201610461679.3) 2016-06-23

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[51] **Int.Cl. H05B 45/00 (2022.01) F21K 9/23 (2016.01) F21K 9/60 (2016.01) G06F 8/65 (2018.01) H04W 4/80 (2018.01) H05B 47/17 (2020.01) H05B 47/19 (2020.01) F21S 10/02 (2006.01)**
[25] EN
[54] **INTELLIGENT LIGHT BULB AND METHOD AND SYSTEM FOR USE IN CONFIGURING SAME**
[54] **AMPOULE ELECTRIQUE INTELLIGENTE ET METHODE ET SYSTEME A UTILISER POUR LACONFIGURER**
[72] BROCHU, CHRISTIAN, CA
[72] LAFLAMME, BENOIT, CA
[73] GECKO ALLIANCE GROUP INC., CA
[86] (3021700)
[87] (3021700)
[22] 2015-05-20
[62] 2,892,464
[30] US (14/286,788) 2014-05-23
[30] CA (2,852,445) 2014-05-23

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[13] C
[51] **Int.Cl. B65D 19/06 (2006.01) B65D 19/32 (2006.01)**
[25] EN
[54] **SNACK PALLET ASSEMBLY**
[54] **ASSEMBLAGE DE PALETTE DE COLLATIONS**
[72] MERTZ, WILLIAM J., II, US
[72] CLARK, BRAD L., US
[73] MENASHA CORPORATION, US
[86] (3021993)
[87] (3021993)
[22] 2018-10-23
[30] US (62/576,922) 2017-10-25
[30] US (16/166,372) 2018-10-22

[11] **3,024,825**
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[51] **Int.Cl. B60L 53/38 (2019.01) B60L 50/50 (2019.01) B60L 53/12 (2019.01) B60L 53/37 (2019.01) B60R 21/00 (2006.01) G08G 1/16 (2006.01)**
[25] EN
[54] **PARKING ASSISTANCE METHOD AND PARKING ASSISTANCE DEVICE**
[54] **SYSTEME ET DISPOSITIF D'AIDE AU STATIONNEMENT**
[72] FUKUSHIMA, YOSHITAKE, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2018-11-19
[86] 2016-05-18 (PCT/JP2016/064715)
[87] (WO2017/199362)

[11] **3,025,248**
[13] C
[51] **Int.Cl. G01R 27/08 (2006.01) G01R 31/62 (2020.01)**
[25] EN
[54] **METHOD AND APPARATUSES FOR DETERMINING RESISTANCES IN MULTIPHASE TRANSFORMERS**
[54] **PROCEDE ET DISPOSITIFS POUR DETERMINER DES RESISTANCES DANS DES TRANSFORMATEURS POLYPHASES**
[72] FLAX, DIRK, AT
[72] SAPETSCHNIG, RENE, AT
[73] OMICRON ELECTRONICS GMBH, AT
[85] 2018-11-22
[86] 2017-05-24 (PCT/EP2017/062569)
[87] (WO2017/202927)
[30] AT (A 50478/2016) 2016-05-25

[11] **3,025,791**
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[51] **Int.Cl. E05B 41/00 (2006.01) E05B 65/10 (2006.01) E05C 1/16 (2006.01)**
[25] EN
[54] **STATUS-INDICATING CYLINDRICAL LOCK ASSEMBLY**
[54] **ENSEMBLE SERRURE CYLINDRIQUE A INDICATION D'ETAT**
[72] BASAVARAJU, SMITHA, IN
[72] BARKER, KENTON H., US
[72] MANNATTIL, HARIKRISHNAN, IN
[72] GOPALAKRISHNAN, SUBBIAH, IN
[72] HURLBERT, DAVID J., US
[72] RAO, AJEYA S., IN
[72] D.S., ACHYUTA, IN
[73] SCHLAGE LOCK COMPANY LLC, US
[85] 2018-11-27
[86] 2017-05-30 (PCT/US2017/035001)
[87] (WO2017/205871)
[30] US (62/342,424) 2016-05-27

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[13] C
[51] **Int.Cl. A46D 1/00 (2006.01) A46B 9/04 (2006.01) A46D 1/08 (2006.01)**
[25] EN
[54] **HEAD FOR AN ORAL CARE IMPLEMENT AND ORAL CARE IMPLEMENT**
[54] **TETE POUR INSTRUMENT D'HYGIENE BUCCALE, ET INSTRUMENT D'HYGIENE BUCCALE**
[72] JUNGNICKEL, UWE, DE
[72] ALINSKI, JENS, DE
[72] FRANKE, SVEN ALEXANDER, DE
[72] CLAIRE-ZIMMET, KAREN LYNN, DE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-11-27
[86] 2017-05-30 (PCT/US2017/034965)
[87] (WO2017/210171)
[30] EP (16172797.9) 2016-06-03
[30] EP (16172798.7) 2016-06-03
[30] EP (16172799.5) 2016-06-03
[30] EP (16177183.7) 2016-06-30

[11] **3,026,183**
[13] C
[51] **Int.Cl. B01J 19/06 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **SOLIDIFICATION OF WASTE BRINE FROM IN SITU HYDROCARBON RECOVERY OPERATIONS**
[54] **SOLIDIFICATION DE SAUMURE RESIDUELLE DES OPERATIONS DE RECUPERATION D'HYDROCARBURE SUR PLACE**
[72] PERNITSKY, DAVID, CA
[72] SELINGER, ANITA, CA
[72] KUPAR, JOHN, US
[72] HAUSSMANN, CHRISTIAN, US
[72] BENNETT, GREGORY, US
[72] NOWAK, JAMES, US
[72] WEIMER, LANNY, US
[73] SUNCOR ENERGY INC., CA
[73] BL TECHNOLOGIES, INC., US
[73] NEXEN ENERGY ULC, CA
[73] CANADIAN NATURAL RESOURCES LIMITED, CA
[73] CONOCOPHILLIPS CANADA RESOURCES CORP., CA
[73] STATOIL CANADA LTD., CA
[86] (3026183)
[87] (3026183)
[22] 2014-11-17
[62] 2,871,395

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[13] C
[51] **Int.Cl. G01N 33/573 (2006.01) G01N 33/577 (2006.01)**
[25] EN
[54] **AN IMPROVED METHOD FOR DIAGNOSING A FUNGAL INFECTION**
[54] **UNE METHODE AMELIOREE DE DIAGNOSTIC D'INFECTION FONGIQUE**
[72] HERBST, VICTOR, DE
[72] HOFFMANN, KATHRIN, DE
[73] EUROIMMUN MEDIZINISCHE LABORDIAGNOSTIKA AG, DE
[86] (3026947)
[87] (3026947)
[22] 2018-12-10
[30] EP (17206386.9) 2017-12-11

[11] **3,028,454**
[13] C
[51] **Int.Cl. H04W 72/12 (2009.01)**
[25] EN
[54] **COORDINATION OF SIGNALING AND RESOURCE ALLOCATION IN A WIRELESS NETWORK USING RADIO ACCESS TECHNOLOGY**
[54] **COORDINATION DE SIGNALISATION ET ATTRIBUTION DE RESSOURCES DANS UN RESEAU SANS FIL UTILISANT UNE TECHNOLOGIE D'ACCES RADIO**
[72] HAMPEL, KARL GEORG, US
[72] SUBRAMANIAN, SUNDAR, US
[72] LI, JUNYI, US
[72] ISLAM, MUHAMMAD NAZMUL, US
[72] ABEDINI, NAVID, US
[73] QUALCOMM INCORPORATED, US
[85] 2018-12-18
[86] 2017-07-10 (PCT/US2017/041294)
[87] (WO2018/026465)
[30] US (62/370,900) 2016-08-04
[30] US (15/412,362) 2017-01-23

[11] **3,028,620**
[13] C
[51] **Int.Cl. B60W 50/04 (2006.01) B60W 50/02 (2012.01) E21C 25/68 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR COLLECTING OPERATIONAL VIBRATION DATA FOR A MINING MACHINE**
[54] **SYSTEME ET PROCEDE DE COLLECTE DE DONNEES DE VIBRATION DE FONCTIONNEMENT POUR UNE MACHINE D'EXPLOITATION MINIERE**
[72] WHITE, BRIAN N., US
[73] JOY GLOBAL SURFACE MINING INC, US
[85] 2018-12-19
[86] 2016-06-24 (PCT/US2016/039176)
[87] (WO2017/222546)

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[13] C
[51] **Int.Cl. G06N 3/04 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING DATA EXPLANATIONS FOR NEURAL NETWORKS AND RELATED SYSTEMS**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'EXPLICATIONS DE DONNEES POUR RESEAUX NEURONAUX ET SYSTEMES APPARENTES**
[72] GEORGE, DILEEP, US
[72] KANSKY, KENNETH ALAN, US
[72] LAAN, CHRISTOPHER REMMERT, US
[72] LEHRACH, WOLFGANG, US
[72] MARTHI, BHASKARA MANNAR, US
[72] PHOENIX, DAVID SCOTT, US
[72] PURDY, ERIC, US
[73] VICARIOUS FPC, INC., US
[85] 2018-12-20
[86] 2016-06-21 (PCT/US2016/038516)
[87] (WO2017/222505)

[11] **3,029,259**
[13] C
[51] **Int.Cl. A24F 17/00 (2006.01)**
[25] EN
[54] **CIGARETTE PAPER BOOKLET WITH INSERT**
[54] **CARNET DE PAPIER A CIGARETTE AVEC POCHETTE**
[72] MULLER-PROVENZANO, MARKUS, DE
[73] GIZEH RAUCHERBEDARF GMBH, DE
[85] 2018-12-24
[86] 2017-06-19 (PCT/EP2017/064940)
[87] (WO2018/001777)
[30] DE (10 2016 111 802.8) 2016-06-28

[11] **3,030,707**
[13] C
[51] **Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01)**
[25] EN
[54] **MULTI-VARIETY SEED METER WITH PRIORITY DELIVERY OF EARLIER SUPPLIED SEED**
[54] **DOSEUR DE SEMENCES MULTIVARIETE A DISTRIBUTION PRIORITAIRE DES PREMIERES SEMENCES FOURNIES**
[72] SCHOENY, CHRISTOPHER, US
[72] JOHNSON, CHAD M., US
[73] CNH INDUSTRIAL AMERICA LLC, US
[86] (3030707)
[87] (3030707)
[22] 2019-01-21
[30] US (15/915579) 2018-03-08

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **HUMANIZED ANTI-TAU ANTIBODIES AND COMPOSITIONS FOR AND METHODS OF MAKING AND USING IN TREATMENT, DIAGNOSIS AND MONITORING OF TAUOPATHIES**
[54] **ANTICORPS ANTI-TAU HUMANISES, COMPOSITIONS ET PROCEDES DE FABRICATION ET METHODES D'UTILISATION DANS LE TRAITEMENT, LE DIAGNOSTIC ET LA SURVEILLANCE DE TAUOPATHIES**
[72] GHOCHIKYAN, ANAHIT, US
[72] AGADJANYAN, MICHAEL, US
[73] GHOCHIKYAN, ANAHIT, US
[73] AGADJANYAN, MICHAEL, US
[85] 2019-01-11
[86] 2017-07-12 (PCT/US2017/041799)
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[30] US (62/364,813) 2016-07-20

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[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/22 (2006.01) C07K 14/47 (2006.01) C07K 14/575 (2006.01)**
[25] EN
[54] **NOVEL FATTY ACID MODIFIED UROCORTIN-2 ANALOGS FOR THE TREATMENT OF DIABETES AND CHRONIC KIDNEY DISEASE**
[54] **NOUVEAUX ANALOGUES D'UROCORTINE-2 MODIFIES PAR ACIDES GRAS POUR LE TRAITEMENT DU DIABETE ET DE MALADIES RENALES CHRONIQUES**
[72] ALSINA-FERNANDEZ, JORGE, US
[72] GUO, LILI, US
[72] LEE, JOHN, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-01-15
[86] 2017-07-13 (PCT/US2017/041922)
[87] (WO2018/013803)
[30] US (62/362,711) 2016-07-15
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[51] **Int.Cl. C07K 14/00 (2006.01) A61K 47/64 (2017.01) A61K 49/00 (2006.01) A61K 51/08 (2006.01) A61P 35/00 (2006.01) C07K 7/06 (2006.01) C07K 7/08 (2006.01) C07K 14/705 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ENVIRONMENTALLY SENSITIVE COMPOSITION COMPRISING A PH TRIGGERED PEPTIDE AND USES THEREOF**
[54] **COMPOSITION RESPECTUEUSE DE L'ENVIRONNEMENT RENFERMANT UN PEPTIDE DECLENCHE PAR LE PH ET UTILISATION ASSOCIEE**
[72] RESHETNYAK, YANA K., US
[72] ANDREEV, OLEG A., US
[72] ENGELMAN, DONALD M., US
[73] YALE UNIVERSITY, US
[73] UNIVERSITY OF RHODE ISLAND BOARD OF TRUSTEES, US
[86] (3032186)
[87] (3032186)
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[25] EN
[54] **METHOD AND COATING DEVICE FOR COATING A METAL STRIP**
[54] **PROCEDE ET DISPOSITIF D'ENDUCTION POUR REVETIR UNE BANDE METALLIQUE**
[72] BEHRENS, HOLGER, DE
[72] KUMMEL, LUTZ, DE
[72] DAUBE, THOMAS, DE
[72] RICHTER, GERNOT, DE
[72] TALEB-ARAGHI, BABAK, DE
[72] FONTAINE, PASCAL, DE
[72] ZIELENBACH, MICHAEL, DE
[73] FONTAINE ENGINEERING UND MASCHINEN GMBH, DE
[85] 2019-02-19
[86] 2017-08-17 (PCT/EP2017/070872)
[87] (WO2018/036908)
[30] DE (10 2016 216 131.8) 2016-08-26
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[51] **Int.Cl. B65B 11/00 (2006.01) B65B 11/48 (2006.01) F21V 33/00 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **LIGHT EMITTING GIFT WRAPPING APPARATUS**
[54] **APPAREIL D'EMBALLAGE CADEAU EMETTEUR DE LUMIERE**
[72] BOIVIN, PHILIPPE, CA
[73] INSTITUT NATIONAL D'OPTIQUE, CA
[86] (3035187)
[87] (3035187)
[22] 2019-02-27
[30] US (62/637,545) 2018-03-02

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[51] **Int.Cl. C10G 29/20 (2006.01) C07C 2/58 (2006.01) C10G 17/02 (2006.01)**
[25] EN
[54] **ALKYLATION OF REFINERY PENTENES WITH ISOBUTANE**
[54] **ALKYLATION DE PENTENES DE RAFFINERIE AVEC L'ISOBUTANE**
[72] TIMKEN, HYE-KYUNG CHO, US
[72] CHANG, BONG-KYU, US
[72] HOMMELTOFT, SVEN IVAR, US
[73] CHEVRON U.S.A. INC., US
[85] 2019-02-27
[86] 2017-07-18 (PCT/US2017/042517)
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[25] EN
[54] **INSERTER FOR URETHRAL PLUG**
[54] **DISPOSITIF D'INSERTION POUR BOUCHON URETRAL**
[72] JANZEN, ERNIE, CA
[72] HALSTED, NIGEL, CA
[72] BELLAIRE, THOM, CA
[72] RANGER, NICOLE, CA
[72] ORR, ROBERT MITCHELL, CA
[73] LIFE360 INNOVATIONS, INC., CA
[85] 2019-03-08
[86] 2018-08-22 (PCT/IB2018/001076)
[87] (WO2019/038599)
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[51] **Int.Cl. A24F 40/42 (2020.01) A24F 40/46 (2020.01)**
[25] EN
[54] **LIQUID STORAGE TANK FOR A VAPOUR PROVISION SYSTEM**
[54] **RESERVOIR DE STOCKAGE DE LIQUIDE POUR SYSTEME DE FOURNITURE DE VAPEUR**
[72] OTIABA, KENNY, GB
[72] LEADLEY, DAVID, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2019-03-19
[86] 2017-09-13 (PCT/GB2017/052687)
[87] (WO2018/060675)
[30] GB (1616430.3) 2016-09-28

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[51] **Int.Cl. C02F 1/44 (2006.01) C02F 1/78 (2006.01) C02F 9/00 (2006.01)**
[25] EN
[54] **OZONE GENERATOR FOR WATER PURIFICATION SYSTEM**
[54] **GENERATEUR D'OZONE POUR SYSTEME DE PURIFICATION D'EAU**
[72] BURROWS, BRUCE D., US
[73] DS SERVICES OF AMERICA, INC., US
[85] 2019-04-23
[86] 2017-10-26 (PCT/US2017/058416)
[87] (WO2018/081352)
[30] US (62/412,794) 2016-10-25
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[51] **Int.Cl. G06F 15/163 (2006.01)**
[25] EN
[54] **DATA EXCHANGE IN A COMPUTER**
[54] **ECHANGE DE DONNEES DANS UN ORDINATEUR**
[72] FELIX, STEPHEN, GB
[72] KNOWLES, SIMON CHRISTIAN, GB
[73] GRAPHCORE LIMITED, GB
[86] (3041881)
[87] (3041881)
[22] 2019-05-01
[30] GB (1821132.6) 2018-12-21

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[13] C
[51] **Int.Cl. A63F 3/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REMOTE DISPLAY OF SCRATCH-OFF LOTTERY TICKETS PRIOR TO SALE**
[54] **SYSTEME ET METHODE D'AFFICHAGE A DISTANCE DE BILLETS DE LOTERIE A GRATTER AVANT LA VENTE**
[72] MARTINECK, JEFFREY D., SR., US
[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[86] (3042206)
[87] (3042206)
[22] 2019-05-03
[30] US (15/971,557) 2018-05-04

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[51] **Int.Cl. A61F 2/95 (2013.01) A61F 2/966 (2013.01) A61F 2/24 (2006.01)**
[25] EN
[54] **CARDIAC VALVE DELIVERY DEVICES AND SYSTEMS**
[54] **DISPOSITIFS ET SYSTEMES DE POSE DE VALVULE CARDIAQUE**
[72] GREGG, PETER, US
[72] WALLACE, DAN, US
[72] HAYNES, EVELYN, US
[72] GROGAN, AARON, US
[72] CRISOSTOMO, CRISSLY, US
[72] PFEIFLE, MAX, US
[73] CEPHEA VALVE TECHNOLOGIES, INC., US
[85] 2019-05-14
[86] 2017-11-16 (PCT/US2017/062045)
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[51] **Int.Cl. E06C 1/14 (2006.01) E06C 1/383 (2006.01)**
[25] EN
[54] **MULTIPURPOSE LADDER AND METHOD**
[54] **ECHELLE MULTIUSAGE ET METHODE**
[72] LENTINE, TEK, US
[72] PARKER, THOMAS, US
[72] BADOWSKI, CLINT, US
[72] HLEBOVY, JAMES, US
[73] WERNER CO., US
[86] (3044208)
[87] (3044208)
[22] 2019-05-24
[30] US (62/677,443) 2018-05-29
[30] US (16/412,014) 2019-05-14

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[13] C
[51] **Int.Cl. E21B 47/00 (2012.01) E21B 47/003 (2012.01) E21B 47/117 (2012.01) E21B 47/06 (2012.01) G01F 17/00 (2006.01)**
[25] EN
[54] **CALIPER-BEHIND-CASING FROM PULSED NEUTRON APPARATUS**
[54] **DIAMETREUR SITUE A L`ARRIERE DU TUBAGE PROVENANT D`UN APPAREIL A NEUTRONS PULSES**
[72] PAVLAKOS, PAUL, CA
[72] SCHMID, GREGORY J., US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3044459)
[87] (3044459)
[22] 2019-05-28
[30] US (16/421,829) 2019-05-24

[11] **3,044,578**
[13] C
[51] **Int.Cl. H04W 76/15 (2018.01) H04W 4/38 (2018.01) G01D 4/02 (2006.01)**
[25] EN
[54] **SELECTION AND USE OF DIFFERENT WIRELESS NETWORKS BY METER READING DEVICES**
[54] **SELECTION ET UTILISATION DE DIFFERENTS RESEAUX SANS FIL PAR DES DISPOSITIFS LECTEURS DE COMPTEUR**
[72] BRUNSON, CHARLES P., IV, US
[72] WORKS, GLOICE DEAN, III, US
[72] REED, ROBERT DALE, US
[73] NEPTUNE TECHNOLOGY GROUP INC., US
[86] (3044578)
[87] (3044578)
[22] 2019-05-28
[30] US (15/992,629) 2018-05-30

[11] **3,044,858**
[13] C
[51] **Int.Cl. A61M 5/315 (2006.01) G01D 5/245 (2006.01)**
[25] EN
[54] **MEDICATION DELIVERY DEVICE WITH SENSING SYSTEM**
[54] **DISPOSITIF DE DISTRIBUTION DE MEDICAMENT AVEC SYSTEME DE DETECTION**
[72] BOONZAIER, JAMES ANGUS, US
[72] FOSTER, CLARK BERG, US
[72] RINGENBERGER, KIMBERLY ANN, US
[73] ELI LILLY AND COMPANY, US
[85] 2019-05-23
[86] 2017-12-08 (PCT/US2017/065251)
[87] (WO2018/111709)
[30] US (62/434,684) 2016-12-15

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[13] C
[51] **Int.Cl. B01D 53/02 (2006.01) B01D 53/04 (2006.01) B01D 53/26 (2006.01) B01J 20/28 (2006.01)**
[25] EN
[54] **SELF-SUPPORTING STRUCTURES HAVING FOAM-GEOMETRY STRUCTURE AND ACTIVE MATERIALS**
[54] **STRUCTURES AUTOPORTANTES A GEOMETRIE ALVEOLAIRE ET A MATERIAUX ACTIFS**
[72] BRODY, JOHN F., US
[72] TINDALL, PAUL J., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2019-05-24
[86] 2017-11-29 (PCT/US2017/063742)
[87] (WO2018/118361)
[30] US (62/437,319) 2016-12-21

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[51] **Int.Cl. H02J 3/06 (2006.01) H02J 3/00 (2006.01) H02J 3/14 (2006.01) H02J 3/46 (2006.01)**
[25] FR
[54] **MANAGEMENT OF COMPOSITE ELECTRICAL ENERGY**
[54] **GESTION D'ENERGIE ELECTRIQUE COMPOSITE**
[72] PIGNIER, DANIEL, FR
[72] MENGA, DAVID, FR
[73] ELECTRICITE DE FRANCE, FR
[85] 2019-06-18
[86] 2017-12-19 (PCT/EP2017/083575)
[87] (WO2018/114968)
[30] FR (16 62728) 2016-12-19

[11] **3,047,511**
[13] C
[51] **Int.Cl. C21D 11/00 (2006.01) B21B 37/74 (2006.01) B21B 37/76 (2006.01) C21D 9/46 (2006.01) C21D 9/48 (2006.01)**
[25] EN
[54] **A METHOD OF DYNAMICAL ADJUSTMENT FOR MANUFACTURING A THERMALLY TREATED STEEL SHEET**
[54] **PROCEDE DE REGLAGE DYNAMIQUE POUR LA FABRICATION D'UNE TOLE D'ACIER TRAITEE THERMIQUEMENT**
[72] BONNET, FREDERIC, FR
[73] ARCELORMITTAL, LU
[85] 2019-06-18
[86] 2017-12-20 (PCT/IB2017/058189)
[87] (WO2018/116194)
[30] IB (PCT/IB2016/001790) 2016-12-20

[11] **3,048,140**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01) G06T 19/00 (2011.01) G06Q 50/26 (2012.01) G06F 3/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GENERATING A SEARCH PATTERN FOR AN INCIDENT SCENE**
[54] **PROCEDE ET APPAREIL POUR DE GENERATION D'UN MOTIF DE RECHERCHE POUR UNE SCENE INCIDENTE**
[72] LIM, BING QIN, MY
[72] HAMBALY, ALFY MERICAN AHMAD, MY
[72] HUA, SHIJIE, MY
[72] KEE, CHEW YEE, MY
[73] MOTOROLA SOLUTIONS, INC., US
[85] 2019-06-21
[86] 2017-12-13 (PCT/US2017/066079)
[87] (WO2018/118576)
[30] US (15/390,471) 2016-12-24

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[51] **Int.Cl. B32B 7/12 (2006.01) B32B 25/00 (2006.01) D06N 7/00 (2006.01)**
[25] EN
[54] **RECYCLABLE SURFACE COVERING AND METHOD AND SYSTEM FOR MANUFACTURING A RECYCLABLE SURFACE COVERING**
[54] **REVETEMENT DE SURFACE RECYCLABLE, ET PROCEDE ET SYSTEME POUR LA FABRICATION D'UN REVETEMENT DE SURFACE RECYCLABLE**
[72] DODGE, ARTHUR B., III, US
[72] MCFALLS, JOHN, US
[73] ECORE INTERNATIONAL INC., US
[86] (3048307)
[87] (3048307)
[22] 2010-11-12
[62] 2,788,658
[30] US (61/301,468) 2010-02-04
[30] US (12/756,954) 2010-04-08

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[51] **Int.Cl. A24F 40/50 (2020.01) A24F 40/53 (2020.01)**
[25] EN
[54] **AEROSOL GENERATING DEVICE, METHOD OF CONTROLLING AEROSOL GENERATING DEVICE, AND PROGRAM**
[54] **APPAREIL DE GENERATION D'AEROSOL, PROCEDE DE COMMANDE D'APPAREIL DE GENERATION D'AEROSOL ET PROGRAMME**
[72] NAKANO, TAKUMA, JP
[72] YAMADA, MANABU, JP
[73] JAPAN TOBACCO INC., JP
[85] 2019-06-27
[86] 2017-04-24 (PCT/JP2017/016133)
[87] (WO2018/198152)

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[51] **Int.Cl. A01D 90/12 (2006.01) A01B 45/02 (2006.01) A01D 78/00 (2006.01) A01D 89/00 (2006.01)**
[25] EN
[54] **SWATH LIFTER**
[54] **LEVE-ANDRAIN**
[72] SOMMERFELD, RYAN RAY, CA
[73] SOMMERFELD, RYAN RAY, CA
[86] (3049425)
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[51] **Int.Cl. B29C 45/00 (2006.01) F16J 15/44 (2006.01)**
[25] EN
[54] **INJECTION MOLDED SEAL RINGS AND METHODS FOR MAKING THEM**
[54] **BAGUES D'ETANCHEITE MOULEES PAR INJECTION ET LEURS PROCEDES DE FABRICATION**
[72] GRONITZKI, MIRCO, DE
[73] SAINT-GOBAIN PERFORMANCE PLASTICS L+S GMBH, DE
[85] 2019-07-08
[86] 2018-01-09 (PCT/IB2018/000055)
[87] (WO2018/138575)
[30] US (62/444,783) 2017-01-10

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[51] **Int.Cl. E05D 7/00 (2006.01) A01G 9/20 (2006.01) E05D 11/08 (2006.01) F21V 21/30 (2006.01) F21K 9/00 (2016.01)**
[25] EN
[54] **HINGE FOR A LUMINAIRE**
[54] **CHARNIERE POUR UN LUMINAIRE**
[72] FRAME, KENNETH B., US
[72] SCHMIDT, JONATHAN BECKER, US
[72] VAN DER SCHYF, MARTHINUS CHRISTOFFEL, US
[73] FLUENCE BIOENGINEERING, INC., US
[86] (3050935)
[87] (3050935)
[22] 2019-07-31
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[30] US (16/523,591) 2019-07-26

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[51] **Int.Cl. H05B 3/12 (2006.01) A24F 40/40 (2020.01) A24F 40/46 (2020.01) H05B 3/22 (2006.01)**
[25] EN
[54] **HEATING ELEMENT SELECTION METHOD**
[54] **PROCEDE DE SELECTION D'ELEMENT CHAUFFANT**
[72] ROTHWELL, HOWARD, GB
[73] NICOVENTURES TRADING LIMITED, GB
[85] 2019-07-23
[86] 2018-01-30 (PCT/GB2018/050254)
[87] (WO2018/142115)
[30] GB (1701633.8) 2017-02-01

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[51] **Int.Cl. B21D 15/06 (2006.01) B21D 17/02 (2006.01) B21D 17/04 (2006.01) B21D 41/04 (2006.01) B21H 1/22 (2006.01) B21H 7/18 (2006.01)**
[25] EN
[54] **CAM GROOVING MACHINE WITH CAM STOP SURFACES**
[54] **MACHINE DE RAINURAGE A CAME PRESENTANT DES SURFACES D'ARRET DE CAME**
[72] DOLE, DOUGLAS R., US
[73] VICTAULIC COMPANY, US
[85] 2019-07-24
[86] 2018-02-26 (PCT/US2018/019622)
[87] (WO2018/203963)
[30] US (15/585,457) 2017-05-03

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[13] C
[51] **Int.Cl. B61C 17/00 (2006.01) B61C 17/12 (2006.01)**
[25] EN
[54] **ASSEMBLIES FOR MOUNTING PORTABLE REMOTE CONTROL LOCOMOTIVE(RCL) SYSTEMS TO LOCOMOTIVE HANDRAILING**
[54] **ENSEMBLES POUR MONTER DES SYSTEMES DE LOCOMOTIVES AVEC LOCO-COMMANDE (LLC) PORTABLES SUR UN GARDE-CORPS DE LOCOMOTIVE**
[72] EVANS, RICHARD ALLEN, US
[72] BALENT, MARK ANTHONY, US
[72] ADKINS, MATTHEW, US
[73] CATTRON NORTH AMERICA, INC., US
[86] (3051793)
[87] (3051793)
[22] 2019-08-12
[30] US (62/718,589) 2018-08-14
[30] US (16/525,153) 2019-07-29

[11] **3,052,428**
[13] C
[51] **Int.Cl. H04L 5/00 (2006.01) H04J 11/00 (2006.01)**
[25] EN
[54] **BROADCAST CHANNEL TRANSMISSION AND DEMODULATION**
[54] **TRANSMISSION ET DEMODULATION D'UN CANAL DE DIFFUSION**
[72] PAN, KYLE JUNG-LIN, US
[72] XI, FENGJUN, US
[72] FERRANTE, STEVEN, US
[72] YE, CHUNXUAN, US
[72] STERN-BERKOWITZ, JANET A., US
[72] SHAH, NIRAV B., US
[73] IDAC HOLDINGS, INC., US
[85] 2019-08-01
[86] 2018-01-26 (PCT/US2018/015430)
[87] (WO2018/144337)
[30] US (62/454,621) 2017-02-03
[30] US (62/500,702) 2017-05-03
[30] US (62/519,751) 2017-06-14
[30] US (62/543,155) 2017-08-09

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[13] C
[51] **Int.Cl. E21B 33/138 (2006.01) C09K 8/508 (2006.01) C09K 8/516 (2006.01) E21B 43/22 (2006.01)**
[25] EN
[54] **PLASTICIZED POLYVINYL ALCOHOL DIVERTER MATERIALS**
[54] **MATERIAUX DE DERIVATION PLASTIFIES A BASE D'ALCOOL POLYVINYLIQUE**
[72] BEUTERBAUGH, AARON MICHAEL, US
[72] EOFF, LARRY STEVEN, US
[72] LARSEN, TRAVIS HOPE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-08-12
[86] 2017-06-15 (PCT/US2017/037725)
[87] (WO2018/231236)

[11] **3,055,191**
[13] C
[51] **Int.Cl. G01M 3/24 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO ANALYZE RECORDINGS IN LEAK DETECTION**
[54] **PROCEDES ET APPAREIL D'ANALYSE D'ENREGISTREMENTS DANS UNE DETECTION DE FUITE**
[72] COLE, PHILIP ALAN, US
[73] ITRON, INC., US
[85] 2019-08-30
[86] 2018-03-01 (PCT/US2018/020439)
[87] (WO2018/160826)
[30] US (62/466,843) 2017-03-03
[30] US (15/589,497) 2017-05-08

[11] **3,056,140**
[13] C
[51] **Int.Cl. G01F 11/00 (2006.01) G01F 11/26 (2006.01) G01F 13/00 (2006.01)**
[25] EN
[54] **APPARATUS AND PROCESS FOR DISPENSING A MEASURED QUANTITY OF LIQUID**
[54] **APPAREIL ET PROCEDE DE DISTRIBUTION D'UNE QUANTITE MESUREE DE LIQUIDE**
[72] SMITH, CHRISTOPHER LAWRENCE, US
[72] BRIGGS, NICOLE LYNN, US
[72] HU, HUA, US
[72] HORSTMAN, RICHARD LAWRENCE, US
[72] MIZER, SCOTT EUGENE, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2019-09-10
[86] 2018-04-25 (PCT/US2018/029306)
[87] (WO2018/200639)
[30] US (62/490,080) 2017-04-26
[30] US (62/554,341) 2017-09-05

[11] **3,056,311**
[13] C
[51] **Int.Cl. G01R 31/34 (2020.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MONITORING THE PERFORMANCE OF ELECTRIC MOTORS**
[54] **PROCEDES ET SYSTEMES DE SURVEILLANCE DES PERFORMANCES DE MOTEURS ELECTRIQUES**
[72] KASSAB, AMER, GB
[73] ZENITH OILFIELD TECHNOLOGY LIMITED, GB
[85] 2019-09-12
[86] 2018-03-15 (PCT/EP2018/056594)
[87] (WO2018/167236)
[30] GB (1704145.0) 2017-03-15

[11] **3,056,824**
[13] C
[51] **Int.Cl. H01M 4/136 (2010.01) H01M 10/0525 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **POSITIVE ELECTRODE MATERIAL FOR LITHIUM-ION SECONDARY BATTERIES, POSITIVE ELECTRODE FOR LITHIUM-ION SECONDARY BATTERIES, AND LITHIUM-ION SECONDARY BATTERY**
[54] **MATERIAU D`ELECTRODE POSITIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION, ELECTRODE POSITIVE POUR BATTERIES SECONDAIRES AU LITHIUM-ION, ET BATTERIE SECONDAIRE AU LITHIUM-ION**
[72] NOZOE, TSUTOMU, JP
[72] NAKANO, TOYOMASA, JP
[73] SUMITOMO OSAKA CEMENT CO., LTD., JP
[86] (3056824)
[87] (3056824)
[22] 2019-09-26
[30] JP (2019-063056) 2019-03-28

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[11] **3,056,831**
[13] C
[51] **Int.Cl. G01D 21/00 (2006.01) G01S 19/14 (2010.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VALIDATING GEOSPATIAL DATA COLLECTION WITH MEDIATED REALITY**
[54] **SYSTEME ET METHODE POUR VALIDER LA COLLECTE DE DONNEES GEOSPATIALES AU MOYEN DE REALITE ELECTRONIQUE**
[72] PESTOV, ALEXANDRE, CA
[73] VGIS INC., CA
[86] (3056831)
[87] (3056831)
[22] 2019-09-26

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[11] **3,057,291**
[13] C
[51] **Int.Cl. G05B 23/02 (2006.01) G06F 3/048 (2013.01)**
[25] EN
[54] **PREDICTIVE INTEGRITY ANALYSIS**
[54] **ANALYSE D'INTEGRITE PREDICTIVE**
[72] SUTHERLAND, JEFFREY EARLE, CA
[73] GENERAL ELECTRIC COMPANY, US
[85] 2019-09-19
[86] 2018-02-08 (PCT/US2018/017404)
[87] (WO2018/175007)
[30] US (62/474,460) 2017-03-21
[30] US (15/870,304) 2018-01-12

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[13] C
[51] **Int.Cl. A61B 50/33 (2016.01) A61C 19/02 (2006.01)**
[25] EN
[54] **DENTAL SURGICAL SYSTEMS AND TRAYS**
[54] **SYSTEMES ET PLATEAUX DE CHIRURGIE DENTAIRE**
[72] DEBORD, JEFFREY T., US
[73] BIOMET 3I, LLC, US
[86] (3057490)
[87] (3057490)
[22] 2019-10-02
[30] US (62/742,775) 2018-10-08
[30] US (62/747,199) 2018-10-18
[30] US (62/811,789) 2019-02-28

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[13] C
[51] **Int.Cl. C22C 38/04 (2006.01) C21D 8/02 (2006.01)**
[25] EN
[54] **A X80 PIPELINE STEEL PLATE WITH HIGH CARBON EQUIVALENT AND HIGH TOUGHNESS AT LOW TEMPERATURES USED FOR BENT PIPES AS WELL AS A MANUFACTURING METHOD THEREOF**
[54] **PLAQUE EN ACIER DE PIPELINE A HAUTE TENEUR EN CARBONE ET HAUTE TENACITE A BASSE TEMPERATURE POUR TUYAU COUDE X80 ET SON PROCEDE DE FABRICATION**
[72] JIANG, CHANGLIN, CN
[72] XU, XIAOHONG, CN
[72] CHU, JIANYANG, CN
[72] XU, GUOQING, CN
[72] LIN, TAO, CN
[72] WU, XIAOLIN, CN
[72] HU, JIANGUO, CN
[72] PAN, YUEMING, CN
[73] JIANGYIN XINGCHENG SPECIAL STEEL WORKS CO., LTD, CN
[85] 2019-09-30
[86] 2017-10-10 (PCT/CN2017/105529)
[87] (WO2018/176790)
[30] CN (201710213372.6) 2017-04-01

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[13] C
[51] **Int.Cl. B01D 29/66 (2006.01) B01D 65/02 (2006.01) B01D 69/08 (2006.01)**
[25] EN
[54] **MEMBRANE CLEANING WITH PULSED AIRLIFT PUMP**
[54] **NETTOYAGE DE MEMBRANE A L'AIDE D'UNE POMPE D'ASPIRATION D'AIR PULSE**
[72] ZHA, FUFANG, AU
[72] JAMES, GERIN, US
[72] ZUBACK, JOSEPH EDWARD, US
[72] ZAUNER, PETER, AU
[72] PHELPS, ROGER WILLIAM, AU
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[86] (3058737)
[87] (3058737)
[22] 2008-05-29
[62] 2,688,455
[30] US (60/940,507) 2007-05-29

[11] **3,059,493**
[13] C
[51] **Int.Cl. H04L 1/08 (2006.01) H04L 25/02 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **TRANSMITTER AND RECEIVER AND CORRESPONDING METHODS**
[54] **EMETTEUR, RECEPTEUR ET PROCEDES ASSOCIES**
[72] KNEISSL, JAKOB, DE
[72] KILIAN, GERD, DE
[72] BERNHARD, JOSEF, DE
[72] ROBERT, JOERG, DE
[72] WECHSLER, JOHANNES, DE
[72] SOLLER, DOMINIK, DE
[72] KOCH, WOLFGANG, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[73] FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN-NUERNBERG, DE
[85] 2019-10-09
[86] 2018-04-06 (PCT/EP2018/025097)
[87] (WO2018/188808)
[30] DE (10 2017 206 248.7) 2017-04-11

[11] **3,059,840**
[13] C
[51] **Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6837 (2018.01) C12Q 1/6855 (2018.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR IMPROVING SAMPLE IDENTIFICATION IN INDEXED NUCLEIC ACID LIBRARIES**
[54] **COMPOSITIONS ET PROCEDES POUR AMELIORER L'IDENTIFICATION D'ECHANTILLONS DANS DES BIBLIOTHEQUES D'ACIDES NUCLEIQUES INDEXEES**
[72] SMITH, VINCENT PETER, GB
[72] BEVIS-MOTT, CLAIRE, GB
[72] BOUTELL, JONATHAN MARK, GB
[73] ILLUMINA CAMBRIDGE LIMITED, GB
[85] 2019-10-11
[86] 2018-04-23 (PCT/IB2018/000509)
[87] (WO2018/197950)
[30] US (62/488,824) 2017-04-23

[11] **3,059,958**
[13] C
[51] **Int.Cl. F17C 1/06 (2006.01) F17C 1/02 (2006.01) F17C 1/16 (2006.01)**
[25] EN
[54] **BOSS FOR PRESSURE VESSEL HAVING FLANGE WITH THREADED PERIPHERAL SURFACE**
[54] **BOSSAGE POUR RECIPIENT SOUS PRESSION AYANT UNE BRIDE PRESENTANT UNE SURFACE PERIPHERIQUE FILETEE**
[72] MOUTRAY, BRAD JAMES, US
[73] HEXAGON TECHNOLOGY AS, NO
[85] 2019-10-11
[86] 2018-05-17 (PCT/US2018/033100)
[87] (WO2018/217529)
[30] US (62/510,328) 2017-05-24

[11] **3,060,781**
[13] C
[51] **Int.Cl. A63J 1/00 (2006.01) A63J 5/00 (2006.01)**
[25] EN
[54] **ILLUMINATION SYSTEM AND ILLUMINATION METHOD**
[54] **SYSTEME ET METHODE D'ILLUMINATION**
[72] ISAYAMA, KIYOSHI, JP
[73] ISA CO., LTD., JP
[85] 2019-10-31
[86] 2019-08-01 (PCT/JP2019/030366)
[87] (WO2020/240878)
[30] JP (2019-099416) 2019-05-28

[11] **3,060,835**
[13] C
[51] **Int.Cl. G06F 21/53 (2013.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SECURE ELECTRONIC TRANSACTION PLATFORM**
[54] **SYSTEME ET PROCEDE DE PLATEFORME DE TRANSACTION ELECTRONIQUE SECURISEE**
[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
[73] ROYAL BANK OF CANADA, CA
[85] 2020-02-21
[86] 2019-05-28 (PCT/CA2019/050725)
[87] (WO2019/227208)
[30] US (62/677,133) 2018-05-28
[30] US (62/691,406) 2018-06-28
[30] US (62/697,140) 2018-07-12
[30] US (62/806,394) 2019-02-15
[30] US (62/824,697) 2019-03-27

[11] **3,061,150**
[13] C
[51] **Int.Cl. E21B 41/00 (2006.01) H02J 3/38 (2006.01) H02P 9/02 (2006.01)**
[25] EN
[54] **DOWNHOLE POWER GENERATION SYSTEM AND OPTIMIZED POWER CONTROL METHOD THEREOF**
[54] **SYSTEME DE GENERATION D'ENERGIE DE FOND DE TROU ET SON PROCEDE DE REGULATION DE PUISSANCE OPTIMISEE**
[72] CHEN, YUNZHENG, DE
[72] LIAO, YI, US
[72] MAO, SAIJUN, CN
[72] XUE, MING, CN
[72] BRAZIL, STEWART BLAKE, US
[72] QI, XUELE, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2019-10-22
[86] 2018-04-24 (PCT/US2018/029057)
[87] (WO2018/200463)
[30] CN (201710271102.0) 2017-04-24

[11] **3,061,414**
[13] C
[51] **Int.Cl. E21B 34/06 (2006.01) F16K 1/42 (2006.01)**
[25] EN
[54] **BALL SEAT WITH TWO-SEGMENT SEALING ELEMENT**
[54] **SIEGE DE BILLE COMPORTANT UN ELEMENT D'ETANCHEITE A DEUX SEGMENTS**
[72] ZENG, QIJUN, CN
[73] VERTECHS OIL & GAS TECHNOLOGY CO., LTD., CN
[85] 2020-02-10
[86] 2018-08-22 (PCT/CN2018/101649)
[87] (WO2020/037528)

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[13] C
[51] **Int.Cl. H04L 67/565 (2022.01) H04W 12/02 (2009.01) G06F 21/62 (2013.01) G06F 16/27 (2019.01) G16H 10/60 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENFORCING CENTRALIZED PRIVACY CONTROLS IN DE-CENTRALIZED SYSTEMS**
[54] **SYSTEMES ET PROCEDES POUR APPLIQUER DES COMMANDES DE CONFIDENTIALITE CENTRALISEES DANS DES SYSTEMES DECENTRALISES**
[72] LAFEVER, MALCOLM GARY, US
[72] MYERSON, TED N., US
[72] MASON, STEVEN, US
[73] ANONOS INC., US
[85] 2019-10-25
[86] 2018-04-27 (PCT/US2018/029890)
[87] (WO2018/201009)
[30] US (62/491,294) 2017-04-28
[30] US (62/535,601) 2017-07-21
[30] US (62/554,000) 2017-09-04
[30] US (62/580,628) 2017-11-02
[30] US (62/644,463) 2018-03-17
[30] US (62/649,103) 2018-03-28
[30] US (15/963,609) 2018-04-26

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[11] **3,062,640**
[13] C
[51] **Int.Cl. H04N 19/34 (2014.01) H04N 21/2365 (2011.01) H04N 21/2383 (2011.01) H04N 21/643 (2011.01) H04L 1/00 (2006.01)**
[25] EN
[54] **AN APPARATUS AND METHOD FOR BROADCAST SIGNAL RECEPTION USING LAYERED DIVISIONAL MULTIPLEXING**
[54] **APPAREIL ET METHODE POUR LA RECEPTION D'UN SIGNAL DE DIFFUSION AU MOYEN DU MULTIPLEXAGE DIVISIONNAIRE EN COUCHES**
[72] KIM, HEUNG-MOOK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] PARK, SUNG-IK, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (3062640)
[87] (3062640)
[22] 2016-01-07
[62] 2,973,086
[30] KR (10-2015-0002588) 2015-01-08
[30] KR (10-2016-0001735) 2016-01-06

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[13] C
[51] **Int.Cl. A63C 17/26 (2006.01)**
[25] EN
[54] **A PERSONAL TRANSPORT APPARATUS**
[54] **APPAREIL DE TRANSPORT PERSONNEL**
[72] KOCH, JASON, AU
[72] DE GAYE, DANIEL JAMES, AU
[73] SKATE INNOVATION PTY LTD, AU
[85] 2019-10-31
[86] 2017-05-10 (PCT/AU2017/050427)
[87] (WO2017/193166)
[30] AU (2016901746) 2016-05-10
[30] AU (2016903430) 2016-08-29

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[11] **3,063,179**
[13] C
[51] **Int.Cl. H04L 45/302 (2022.01) H04L 43/0829 (2022.01) H04L 43/087 (2022.01)**
[25] EN
[54] **DETERMINATION OF QUALITY OF SERVICE OF A NETWORK TUNNEL**
[54] **DETERMINATION DE LA QUALITE DE SERVICE D'UN TUNNEL DE RESEAU**
[72] ATTARWALA, MURTUZA S., US
[73] CISCO TECHNOLOGY, INC., US
[85] 2019-11-08
[86] 2018-05-15 (PCT/US2018/032673)
[87] (WO2018/217491)
[30] US (15/602,038) 2017-05-22

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[11] **3,063,266**
[13] C
[51] **Int.Cl. A61N 1/05 (2006.01) A61F 5/56 (2006.01) A61N 1/36 (2006.01) A61N 1/372 (2006.01)**
[25] EN
[54] **ANTENNA PROVIDING VARIABLE COMMUNICATION WITH AN IMPLANT**
[54] **ANTENNE ETABLISSANT UNE COMMUNICATION VARIABLE AVEC UN IMPLANT**
[72] MUELLER, CARSTEN, DE
[72] MASHIACH, ADI, BE
[73] NYXOAH SA, BE
[86] (3063266)
[87] (3063266)
[22] 2012-09-28
[62] 2,850,445
[30] US (61/541,651) 2011-09-30
[30] US (61/657,424) 2012-06-08

[11] **3,063,691**
[13] C
[51] **Int.Cl. G01V 8/16 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **DISPERSION-SHIFTED OPTICAL FIBERS FOR DOWNHOLE SENSING**
[54] **FIBRES OPTIQUES A DISPERSION DECALEE POUR DETECTION DE FOND DE TROU**
[72] JOHNSTON, WILLIAM ALBERT, US
[72] WYSOCKI, PAUL FRANCIS, US
[73] BAKER HUGHES HOLDINGS LLC, US
[85] 2019-11-14
[86] 2018-04-13 (PCT/US2018/027550)
[87] (WO2018/212872)
[30] US (15/596,504) 2017-05-16

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[11] **3,063,701**
[13] C
[51] **Int.Cl. H02N 3/00 (2006.01)**
[25] EN
[54] **AN ELECTRO-GAS-DYNAMIC CONVERTER WITH AN ELECTRON GUN EMITTER**
[54] **CONVERTISSEUR ELECTRO-GAZ-DYNAMIQUE MUNI D'UN CANON ELECTRONIQUE**
[72] IVANNIKOV, VSEVOLOD, VI, CA
[73] IVANNIKOV, VSEVOLOD, VI, CA
[86] (3063701)
[87] (3063701)
[22] 2019-12-04

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[13] C
[51] **Int.Cl. E21B 3/02 (2006.01) E21B 19/06 (2006.01) E21B 19/16 (2006.01)**
[25] EN
[54] **MODULAR TOP DRIVE**
[54] **ENTRAINEMENT PAR LE HAUT MODULAIRE**
[72] HELMS, MARTIN, DE
[72] THOMAS, BENSON, DE
[72] LIESS, MARTIN, DE
[72] KIESS, CHRISTIAN, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[86] (3063884)
[87] (3063884)
[22] 2015-11-20
[62] 2,967,397
[30] US (62/084,695) 2014-11-26

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[13] C
[51] **Int.Cl. C25B 9/23 (2021.01) C25B 3/03 (2021.01) C25B 3/25 (2021.01) C25B 11/031 (2021.01) C25B 11/054 (2021.01)**
[25] EN
[54] **ORGANIC HYDRIDE PRODUCTION DEVICE**
[54] **DISPOSITIF DE PRODUCTION D'HYDRURE ORGANIQUE**
[72] MITSUSHIMA, SHIGENORI, JP
[72] NAGASAWA, KENSAKU, JP
[72] NISHIKI, YOSHINORI, JP
[72] OGATA, SETSURO, JP
[72] KATO, AKIHIRO, JP
[72] ZAENAL, AWALUDIN, JP
[72] MATSUOKA, KOJI, JP
[72] SATO, YASUSHI, JP
[73] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[73] DE NORA PERMELEC LTD, JP
[85] 2019-11-19
[86] 2018-04-02 (PCT/JP2018/014110)
[87] (WO2018/216356)
[30] JP (2017-101419) 2017-05-23

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[11] **3,064,430**
[13] C
[51] **Int.Cl. C10B 29/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR REPAIRING A COKE OVEN**
[54] **SYSTEME ET PROCEDE DE REPARATION D'UN FOUR A COKE**
[72] CRUM, JASON, US
[72] BALL, MARK ANTHONY, US
[72] WEST, GARY DEAN, US
[72] QUANCI, JOHN FRANCIS, US
[72] CHOI, CHUN WAI, US
[73] SUNCOKE TECHNOLOGY AND DEVELOPMENT LLC, US
[85] 2019-11-20
[86] 2018-05-23 (PCT/US2018/034235)
[87] (WO2018/217955)
[30] US (62/510,109) 2017-05-23

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[13] C
[51] **Int.Cl. B65D 88/26 (2006.01) B65G 3/04 (2006.01) F16F 7/10 (2006.01) F16F 15/02 (2006.01)**
[25] EN
[54] **SILO DYNAMIC VIBRATION ATTENUATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ATTENUATION DES VIBRATIONS DYNAMIQUES DE SILO**
[72] TU, PHUNG, AU
[73] TU, PHUNG, AU
[85] 2019-11-21
[86] 2018-08-03 (PCT/AU2018/050811)
[87] (WO2019/033153)
[30] AU (2017903256) 2017-08-14

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[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] LIU, JIANHUA, CN
[72] YANG, NING, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-11-21
[86] 2017-07-17 (PCT/CN2017/093225)
[87] (WO2019/014818)

[11] **3,065,389**
[13] C
[51] **Int.Cl. H04N 19/34 (2014.01) H04N 21/434 (2011.01) H04N 19/119 (2014.01) H04N 19/187 (2014.01) H04N 19/65 (2014.01) H04N 19/70 (2014.01) H03M 13/11 (2006.01) H03M 13/27 (2006.01) H04L 27/26 (2006.01)**
[25] EN
[54] **BROADCAST SIGNAL FRAME GENERATION APPARATUS AND BROADCAST SIGNAL FRAME GENERATION METHOD USING LAYERED DIVISION MULTIPLEXING**
[54] **APPAREIL DE GENERATION DE TRAME DE SIGNAUX DE RADIODIFFUSION, ET PROCEDE DE GENERATION DE TRAME DE SIGNAUX DE RADIODIFFUSION UTILISANT LE MULTIPLEXAGE PAR REPARTITION EN COUCHES**
[72] LEE, JAE-YOUNG, KR
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (3065389)
[87] (3065389)
[22] 2016-02-11
[62] 2,978,059
[30] KR (10-2015-0031089) 2015-03-05
[30] KR (10-2016-0004461) 2016-01-13

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[13] C
[51] **Int.Cl. A61K 9/48 (2006.01) A61K 9/52 (2006.01)**
[25] EN
[54] **MULTI PHASE SOFT GEL CAPSULES, APPARATUS AND METHOD THEREOF**
[54] **CAPSULES MULTIPHASES DE GEL MOU, APPAREIL ET PROCEDE POUR CELLES-CI**
[72] DRAPER, PETER, CA
[72] DRAPER, JAMES, CA
[72] OKUTAN, BETH, CA
[73] CATALENT ONTARIO LIMITED, CA
[86] (3065589)
[87] (3065589)
[22] 2010-06-03
[62] 2,706,272

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[13] C
[51] **Int.Cl. G06N 3/02 (2006.01) H03M 7/30 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE, DATA PROCESSING METHOD, AND NON-TRANSITORY COMPUTER-READABLE STORAGE MEDIUM**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES, METHODE DE TRAITEMENT DES DONNEES ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR NON TRANSITOIRE**
[72] MINEZAWA, AKIRA, JP
[72] MORIYA, YOSHIMI, JP
[72] WANG, MENGXIONG, JP
[72] SUGIMOTO, KAZUO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2019-12-04
[86] 2017-07-07 (PCT/JP2017/024992)
[87] (WO2019/008752)

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[13] C
[51] **Int.Cl. F24B 1/199 (2006.01) A47J 37/07 (2006.01) F23K 3/00 (2006.01) F24B 13/04 (2006.01)**
[25] EN
[54] **PELLET GRILLS HAVING PELLET LEVEL DETECTION SYSTEMS AND RELATED METHODS**
[54] **BARBECUE A GRANULES DE BOIS AVEC SYSTEMES DE DETECTION DE NIVEAU DE GRANULES DE BOIS ET PROCEDES CONNEXES**
[72] ALTENRITTER, DANIEL A., US
[73] TRAEGER PELLET GRILLS, LLC, US
[86] (3066299)
[87] (3066299)
[22] 2020-01-02
[30] US (62/788,805) 2019-01-05

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[25] EN
[54] **PLATABILITY IMPROVER, MOLDED OBJECT FOR PLATING, PELLET COMPOSITION FOR PLATING, PLATED MOLDED OBJECT, AND PLATING METHOD**
[54] **AGENT AMELIORANT L'APTITUDE AU PLACAGE, OBJET MOULE DESTINE A ETRE PLAQUE, COMPOSITION DE PASTILLE DE PLACAGE, OBJET MOULE PLAQUE ET PROCEDE DE PLACAGE**
[72] OONO, NORIYOSHI, JP
[72] IMOTO, YUKA, JP
[72] KITAGUCHI, HIRONORI, JP
[72] WATANABE, ATSUSHI, JP
[73] TECHNO-UMG CO., LTD., JP
[85] 2019-12-06
[86] 2018-07-06 (PCT/JP2018/025775)
[87] (WO2019/009421)
[30] JP (2017-134124) 2017-07-07
[30] JP (2017-134125) 2017-07-07
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[25] EN
[54] **COFFEE CHERRY PROCESSING METHODS AND EXTRACTION PRODUCTS OBTAINED BY THE SAME**
[54] **PROCEDES DE TRAITEMENT ET PRODUITS D'EXTRACTION DE CERISES DE CAFE OBTENUS PAR CEUX-CI**
[72] LAUX, ROLAND, CH
[72] HUHN, TILO, CH
[73] MASTERCOLDBREWER AG, CH
[85] 2019-12-16
[86] 2018-06-22 (PCT/EP2018/066721)
[87] (WO2018/234528)
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[51] **Int.Cl. C22B 3/04 (2006.01)**
[25] EN
[54] **BENEFICIATION OF VALUES FROM ORES WITH A HEAP LEACH PROCESS**
[54] **ENRICHISSEMENT DE METAUX DE VALEUR A PARTIR DE MINERAIS A L'AIDE D'UN PROCEDE DE LIXIVIATION EN TAS**
[72] FILMER, ANTHONY OWEN, AU
[72] ALEXANDER, DANIEL JOHN, GB
[73] ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, GB
[85] 2019-12-16
[86] 2018-05-15 (PCT/IB2018/053394)
[87] (WO2018/234880)
[30] US (15/631,137) 2017-06-23

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[51] **Int.Cl. G01N 21/90 (2006.01) G01N 21/93 (2006.01)**
[25] EN
[54] **INSPECTION DEVICE WITH OPTICAL WATERMARK**
[54] **DISPOSITIF D'INSPECTION UTILISANT UN FILIGRANE OPTIQUE**
[72] HEUFT, BERNHARD, DE
[72] POLSTER, WOLFGANG, DE
[72] UNGER, MICHAEL, DE
[73] HEUFT SYSTEMTECHNIK GMBH, DE
[85] 2020-01-09
[86] 2018-09-06 (PCT/EP2018/074067)
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[30] DE (10 2017 008 383.5) 2017-09-07

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[25] EN
[54] **SMART MOBILE CART FOR NURSING AND CARING**
[54] **CHARIOT MOBILE INTELLIGENT POUR LES SOINS INFIRMIERS ET PERSONNELS**
[72] KANG, SHIH-CHUNG, CN
[72] TSENG, YI-CHUN, CN
[72] LIU, TING-JU, CN
[72] CHOU, YA HAN, CN
[73] SMART AGEING TECH CO., LTD., CN
[86] (3069715)
[87] (3069715)
[22] 2020-01-26
[30] TW (108103109) 2019-01-28

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[51] **Int.Cl. C07D 211/36 (2006.01) C07D 211/02 (2006.01)**
[25] EN
[54] **TRANS-ISOMERIC HETEROCYCLIC COMPOUNDS AND PREPARATION THEREOF**
[54] **NOUVEAUX COMPOSES TRICYCLIQUES ISOMERES TRANS ET LEUR PROCEDE DE PREPARATION**
[72] HSU, MING-CHU, TW
[72] LIN, CHU-CHUNG, TW
[72] YEN, CHI-FENG, TW
[72] HSU, HAN-PEI, TW
[72] CHEN, WEN-CHANG, TW
[72] CHOU, SHAN-YEN, TW
[73] TAIGEN BIOTECHNOLOGY CO., LTD., TW
[85] 2020-02-06
[86] 2018-08-10 (PCT/IB2018/001044)
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[30] US (15/674,937) 2017-08-11

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[25] EN
[54] **POCKETED SPRING UNIT AND METHOD AND APPARATUS FOR FORMING THE SAME**
[54] **UNITE DE RESSORTS ENSACHES AINSI QUE PROCEDE ET APPAREIL DE FORMATION DE CELLE-CI**
[72] SPINKS, SIMON, GB
[72] CLARE, DAVID, GB
[72] MARCANGELO, DARREN, GB
[72] ESSERY, RICHARD, GB
[73] HS PRODUCTS LIMITED, GB
[85] 2020-02-10
[86] 2018-08-10 (PCT/GB2018/052278)
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[25] EN
[54] **MODULAR CARRIAGE ASSEMBLY FOR THE FUSION OF POLYOLEFIN PIPES**
[54] **ENSEMBLE CHARIOT MODULAIRE POUR LA FUSION DE TUYAUX EN POLYOLEFINE**
[72] MCELROY, ARTHUR H., US
[72] LAWRENCE, JASON A., US
[72] DONALDSON, PAUL JOHN, US
[72] AHRENS, SETH P., US
[73] MCELROY MANUFACTURING, INC., US
[85] 2020-02-11
[86] 2018-09-19 (PCT/US2018/051747)
[87] (WO2019/060412)
[30] US (62/560,666) 2017-09-19
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[51] **Int.Cl. B21B 27/10 (2006.01) B21B 45/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONTAINING VISCOUS MATERIALS IN ROLL PROCESSING**
[54] **SYSTEME ET PROCEDE POUR RETENIR DES MATERIAUX VISQUEUX DANS UN TRAITEMENT AU ROULEAU**
[72] XAVIER, RENATO RUFINO, US
[72] WRIGHT, DAVID SKINGLEY, DE
[72] KOSMICKI, MICHAEL, US
[72] EBOLI, CARLOS, US
[72] STANISTREET, TIMOTHY F., US
[72] PARK, YOUNG TAEG, KR
[73] NOVELIS INC., US
[85] 2020-02-13
[86] 2019-06-13 (PCT/US2019/037039)
[87] (WO2019/241550)
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[25] EN
[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
[73] WAYMO LLC, US
[85] 2020-02-24
[86] 2018-08-29 (PCT/US2018/048457)
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[25] EN
[54] **TRACE ELEMENT SOLUTION FOR ANIMALS**
[54] **SOLUTION D'OLIGO-ELEMENTS POUR ANIMAUX**
[72] SMITH, WILLIAM A., IE
[73] WARBURTON TECHNOLOGY LIMITED, IE
[86] (3075135)
[87] (3075135)
[22] 2009-11-30
[62] 2,984,263
[30] ZA (2008/10426) 2008-12-09

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[25] EN
[54] **BEEF SPLITTING METHOD AND SYSTEM**
[54] **SYSTEME ET PROCEDE DE FENDAGE DE BOEUF**
[72] DRISCOLL, DANIEL, US
[73] JARVIS PRODUCTS CORPORATION, US
[86] (3076055)
[87] (3076055)
[22] 2017-10-25
[62] 3,037,045
[30] US (62/414,240) 2016-10-28
[30] US (62/520,143) 2017-06-15
[30] US (15/663,097) 2017-07-28

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[13] C
[51] **Int.Cl. A61K 9/14 (2006.01) A61K 9/51 (2006.01) A61K 33/00 (2006.01)**
[25] EN
[54] **BIOAVAILABLE DITHIOCARBAMATE-METAL COMPLEX PARTICLES, METHOD OF PREPARATION AND USE THEREOF**
[54] **PARTICULES DE COMPLEXE DITHIOCARBAMATE-METAL BIODISPONIBLES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION**
[72] SKROTT, ZDENEK, CZ
[72] MISTRIK, MARTIN, CZ
[72] HAJDUCH, MARIAN, CZ
[72] DZUBAK, PETR, CZ
[72] BARTEK, JIRI, DK
[72] ZBORIL, RADEK, CZ
[73] PALACKY UNIVERSITY OLOMOUC, CZ
[85] 2020-03-24
[86] 2018-09-26 (PCT/EP2018/076098)
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[25] EN
[54] **BALL THROWING DEVICE**
[54] **DISPOSITIF DE LANCEMENT DE BALLES**
[72] TAMULEWICZ, PAUL, US
[73] PETSMART HOME OFFICE, INC., US
[86] (3077151)
[87] (3077151)
[22] 2020-03-26
[30] US (62/824,469) 2019-03-27
[30] US (16/787,284) 2020-02-11

[11] **3,078,006**
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[51] **Int.Cl. C07C 327/32 (2006.01) A61K 31/197 (2006.01)**
[25] EN
[54] **STABILIZED MULTI-FUNCTIONAL ANTIOXIDANT COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES ANTIOXYDANTS MULTIFONCTIONNELS STABILISES ET PROCEDES D'UTILISATION**
[72] BAILIE, MARC, US
[72] DUDDY, STEVEN K., US
[72] HERMAN, JIM, US
[73] XPD HOLDINGS, LLC, US
[86] (3078006)
[87] (3078006)
[22] 2013-07-09
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[51] **Int.Cl. C02F 1/44 (2006.01) B01D 63/08 (2006.01) C02F 1/52 (2006.01) C02F 3/06 (2006.01)**
[25] EN
[54] **FILM SEPARATION DEVICE, STRUCTURE FOR ARRANGING FILM ELEMENT, AND FILM CASSETTE AND FILM UNIT**
[54] **DISPOSITIF DE SEPARATION DE FILM, STRUCTURE DE MISE EN PLACE D'UN ELEMENT DE FILM, ET CASSETTE DE FILM ET UNITE DE FILM**
[72] NARITA, TAICHI, JP
[72] ISHIMOTO, SHIGEO, JP
[73] MEIDENSHA CORPORATION, JP
[86] (3079461)
[87] (3079461)
[22] 2017-04-28
[62] 3,026,022
[30] JP (2016-108645) 2016-05-31
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[25] EN
[54] **SNOW REMOVAL MACHINE**
[54] **MACHINE DE DENEIGEMENT**
[72] FUKANO, JUN, JP
[72] KAWAKAMI, TOSHIAKI, JP
[72] MIZOROKE, TSUTOMU, JP
[72] MOROI, ATSUSHI, JP
[73] HONDA MOTOR CO., LTD., JP
[85] 2020-05-21
[86] 2017-11-22 (PCT/JP2017/041926)
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[25] EN
[54] **O-(5-AMINO-2-PHENYLBENZOXAZOL-7-YL)METHYL-3,5-DICHLORO-L-TYROSINE FOR USE IN TREATING CANCER**
[54] **O-(5-AMINO-2-PHENYLBENZOXAZOL-7-YL)METHYL-3,5-DICHLORO-L-TYROSINE A UTILISER DANS LE TRAITEMENT DU CANCER**
[72] ENDOU HITOSHI, JP
[72] FURUSE JUNJI, JP
[72] OKAYASU ISAO, JP
[72] WEMPE MICHAEL F., US
[73] J-PHARMA CO., LTD., JP
[85] 2020-05-22
[86] 2018-08-01 (PCT/JP2018/028887)
[87] (WO2019/130637)
[30] JP (2017-253385) 2017-12-28

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[54] **PANEL**
[54] **PANNEAU**
[72] HANNIG, HANS-JURGEN, DE
[72] SCHAFERS, ERICH, DE
[73] SURFACE TECHNOLOGIES GMBH & CO. KG, DE
[85] 2020-05-20
[86] 2018-11-23 (PCT/EP2018/082383)
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[51] **Int.Cl. B60B 27/00 (2006.01)**
[25] EN
[54] **WHEEL RETENTION SYSTEM**
[54] **SYSTEME DE RETENUE DE ROUE**
[72] DUNNA, PAVAN KUMAR, US
[72] DESHMUKH, KAUSTUBH, US
[73] CONSOLIDATED METCO, INC., US
[85] 2020-04-22
[86] 2018-10-25 (PCT/US2018/057537)
[87] (WO2019/084281)
[30] US (15/794,595) 2017-10-26

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[13] C
[51] **Int.Cl. A01G 18/70 (2018.01) A01D 85/00 (2006.01)**
[25] EN
[54] **VISION SYSTEM FOR AUTOMATED HARVESTER AND METHOD FOR OPERATING A VISION SYSTEM FOR AN AUTOMATED HARVESTER**
[54] **SYSTEME VISIONIQUE POUR UNE MOISSONNEUSE AUTOMATISEE ET METHODE D'EXPLOITATION D'UN SYSTEME VISIONIQUE POUR UNE MOISSONNEUSE AUTOMATISEE**
[72] GLIBETIC, STEFAN, CA
[72] HAYDEN, SCOTT, CA
[73] MYCIONICS INC., CA
[86] (3084650)
[87] (3084650)
[22] 2019-11-13
[62] 3,073,861
[30] US (62/760,598) 2018-11-13

[11] **3,089,250**
[13] C
[51] **Int.Cl. F16L 3/10 (2006.01)**
[25] EN
[54] **ADJUSTABLE BRACKET AND HUB FOR FLEXIBLE HOSE SUPPORT**
[54] **SUPPORT ET MOYEU REGLABLES POUR SUPPORT DE TUYAU FLEXIBLE**
[72] MITCHELL, STEPHEN, US
[72] DOOLEY, MIKE, US
[72] RINGER, YORAM, US
[72] DAFONSECA, ODAIR, US
[73] ASC ENGINEERED SOLUTIONS, LLC, US
[86] (3089250)
[87] (3089250)
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[62] 3,035,182
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[25] EN
[54] **BACK GUARD ATTACHABLE TO A BUCKET, METHOD OF FORMING THE BACK GUARD, AND BUCKET ASSEMBLY INCLUDING THE BACK GUARD**
[54] **PROTECTION ARRIERE POUVANT ETRE ATTACHEE A UN GODET, PROCEDE DE FORMATION DE LA PROTECTION ARRIERE ET ENSEMBLE A GODET COMPRENANT LA PROTECTION ARRIERE**
[72] HENNING, RYAN G., US
[72] HENNING, ROBERT K., US
[73] R2 MANUFACTURING LLC, US
[85] 2020-07-24
[86] 2019-02-08 (PCT/US2019/017278)
[87] (WO2019/160761)
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[25] EN
[54] **TRAINING BELT FOR USE WITH A RUBBER BALL MEMBER**
[54] **CEINTURE D'ENTRAINEMENT A UTILISER AVEC UN ELEMENT DE BALLE DE CAOUTCHOUC**
[72] MAEKAWA, HIDEMITSU, JP
[73] EIDEN CO., LTD., JP
[85] 2020-08-19
[86] 2019-05-17 (PCT/JP2019/019704)
[87] (WO2020/039667)
[30] JP (2018-155886) 2018-08-22
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[13] C
[51] **Int.Cl. G01V 1/28 (2006.01) G01V 1/40 (2006.01) G06G 7/48 (2006.01) G06G 7/57 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR REFINING ESTIMATED EFFECTS OF PARAMETERS ON AMPLITUDES**
[54] **SYSTEMES ET PROCEDES POUR AFFINER DES EFFETS ESTIMES DE PARAMETRES SUR DES AMPLITUDES**
[72] RAY, ANANDAROOP, US
[72] ROY, PRASENJIT, US
[72] MAGILL, JAMES, US
[72] BARTEL, DAVID, US
[72] CARDONA, REYNALDO, US
[72] KRISHNAMURTHY, KABILAN, US
[73] CHEVRON U.S.A. INC., US
[85] 2020-09-29
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[30] US (15/943,513) 2018-04-02

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[51] **Int.Cl. G06F 16/21 (2019.01) G06F 16/2453 (2019.01) G06F 16/2455 (2019.01)**
[25] EN
[54] **BUDGET TRACKING IN A DIFFERENTIALLY PRIVATE DATABASE SYSTEM**
[54] **SUIVI DE BUDGET DANS UN SYSTEME DE BASE DE DONNEES A CONFIDENTIALITE DIFFERENTIELLE**
[72] HOCKENBROCHT, CHRISTOPHER, US
[72] NERURKAR, ISHAAN, US
[72] DAMEWOOD, LIAM, US
[72] MARUSEAC, MIHAI, US
[72] ROZENSHTEYN, ALEXANDER, US
[73] LEAPYEAR TECHNOLOGIES, INC., US
[85] 2020-10-07
[86] 2019-01-24 (PCT/US2019/015035)
[87] (WO2019/199366)
[30] US (15/953,409) 2018-04-14

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[51] **Int.Cl. F16L 59/14 (2006.01) F16L 59/10 (2006.01)**
[25] EN
[54] **VENTILATION SYSTEM FOR INSULATED PIPE**
[54] **SYSTEME DE VENTILATION POUR TUYAU ISOLE**
[72] GROOME, DONALD, CA
[73] GROOME, DONALD, CA
[86] (3097107)
[87] (3097107)
[22] 2020-10-23
[30] US (62/926,710) 2019-10-28

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[13] C
[51] **Int.Cl. G10L 21/038 (2013.01) G10L 19/18 (2013.01) G10L 21/02 (2013.01)**
[25] EN
[54] **INTEGRATION OF HIGH FREQUENCY RECONSTRUCTION TECHNIQUES WITH REDUCED POST-PROCESSING DELAY**
[54] **INTEGRATION DE TECHNIQUES DE RECONSTRUCTION HAUTE FREQUENCE A RETARD POST-TRAITEMENT REDUIT**
[72] KJOERLING, KRISTOFER, US
[72] VILLEMOES, LARS, US
[72] PURNHAGEN, HEIKO, US
[72] EKSTRAND, PER, US
[73] DOLBY INTERNATIONAL AB, NL
[85] 2020-10-23
[86] 2019-04-25 (PCT/US2019/029144)
[87] (WO2019/210068)
[30] US (62/662,296) 2018-04-25

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[51] **Int.Cl. A61K 31/498 (2006.01) A61K 31/194 (2006.01) A61K 31/444 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **COMBINATIONS COMPRISING A SULFONAMIDE COMPOUND FOR THE TREATMENT OF GLAUCOMA OR OCULAR HYPERTENSION**
[54] **COMBINAISON DE COMPOSES DE SULFONAMIDE AUX FINS DE TRAITEMENT D'UN GLAUCOME OU D'UNE HYPERTENSION OCULAIRE**
[72] KIRIHARA, TOMOKO, JP
[72] SHIMAZAKI, ATSUSHI, JP
[72] NAKAMURA, MASATSUGU, JP
[73] SANTEN PHARMACEUTICAL CO., LTD., JP
[86] (3099517)
[87] (3099517)
[22] 2013-07-11
[62] 2,878,370
[30] JP (2012-157204) 2012-07-13

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[13] C
[51] **Int.Cl. E04H 12/08 (2006.01) E04H 12/34 (2006.01)**
[25] EN
[54] **SUBSECTION OF A TOWER SECTION, A TOWER AND A METHOD FOR MANUFACTURING A SUBSECTION OF A TOWER SECTION**
[54] **SOUS-SECTION D'UNE SECTION DE TOUR, UNE TOUR ET UNE METHODE DE FABRICATION D'UNE SOUS-SECTION D'UNE SECTION DE TOUR**
[72] PORM, KARSTEN, DE
[72] BOCKHOLT, STEFAN, DE
[72] JAKOWSKI, KLAUS, DE
[72] AHRENS, ROBIN, DE
[72] BULL, MICHAEL, DE
[73] ENO ENERGY SYSTEMS GMBH, DE
[86] (3101288)
[87] (3101288)
[22] 2016-06-23
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[30] DE (10 2015 110 344.3) 2015-06-26

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[54] **1,3,5-TRIS(6-METHYLPYRIDIN-2-YLOXY)BENZENE DERIVATIVES AND RELATED COMPOUNDS AS NLRX1 LIGANDS FOR TREATING INFLAMMATORY DISEASES**
[54] **DERIVES DE 1,3,5-TRIS(6-METHYLPYRIDIN-2-YLOXY)BENZENE ET COMPOSES APPARENTES EN TANT QUE LIGANDS DE NLRX1 POUR LE TRAITEMENT DE MALADIES INFLAMMATOIRES**
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[72] HONTECILLAS, RAQUEL, US
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[54] **APPAREIL ET PROCEDES POUR LAMPES A DEL DE GRANDE PUISSANCE**
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[54] **RACCORDEMENTS DE CONDUCTEURS DE STATOR POUR UN MOTEUR PLANAIRE**
[72] BRINKMANN, ROLF, DE
[72] BENTFELD, LUKAS, DE
[72] PRUESSMEIER, UWE, DE
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[54] **MOBILE-PLATFORM COMPRESSION-INDUCED IMAGING FOR SUBSURFACE AND SURFACE OBJECT CHARACTERIZATION**
[54] **IMAGERIE INDUITE PAR COMPRESSION DE PLATEFORME MOBILE POUR CARACTERISATION DE SUBSURFACE ET D'OBJET DE SURFACE**
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[73] TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
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[54] **SYSTEME D'ALIMENTATION DE MOTEUR A PISTON ROTATIF LIQUIDE-AIR DE NAVIRE**
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[54] **DISPOSITIF ROTATIF POUR EXECUTER DES REACTIONS CHIMIQUES**
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[54] **APPAREIL PORTATIF PERMETTANT L'EXCITATION DE FLUORESCENCE ET L'IRRADIATION DE MICRO-ORGANISMES DANS LA BOUCHE ET LA GORGE**
[72] KONIG, KARSTEN, DE
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[54] **EXTRACTION AQUEUSE DE COMPOSES PSYCHOACTIFS DE CHAMPIGNONS PSILOCYBINES**
[72] LIGHTBURN, BENJAMIN, CA
[72] MOSS, RYAN, CA
[72] RANKEN, LISA, CA
[73] PSILO SCIENTIFIC LTD., CA
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[54] **DECARBONISATION DE FOURS A COKE, ET SYSTEMES ET PROCEDES ASSOCIES**
[72] QUANCI, JOHN FRANCIS, US
[72] CHARLES, DANIEL C., US
[72] WEST, GARY DEAN, US
[72] EVATT, SHARLA, US
[72] BALL, MARK ANTHONY, US
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[54] **SYSTEME ET PROCEDE DE FOUR DE RECUPERATION DE CHALEUR A RESSORT**
[72] QUANCI, JOHN, FRANCIS, US
[72] ALDERMAN, WES, US
[72] KAPLAREVIC, MILOS, J., US
[72] MEHTA, SURESH, US
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[54] **ENSEMBLE DE COFFRET POUR TUYAU FLEXIBLE**
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[72] RAUCH, MARTIN, DE
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[72] TURESSON, ALEXANDER, SE
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[54] **PROCEDE ET SYSTEME DE DURCISSEMENT LASER D'UNE SURFACE D'UNE PIECE A US NER**
[72] DOMINGUEZ, JESUS, ES
[72] GABILONDO, AMAIA, ES
[72] OCANA, JOSE LUIS, ES
[72] SORIANO, CARLOS, ES
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[54] **OUTIL DE MONTAGE AU SOL ET DISPOSITIF DE MONTAGE AU SOL**
[72] ZHOU, WEIAN, CN
[73] GUANGDONG BRIGHT DREAM ROBOTICS CO., LTD., CN
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[54] **DISPOSITIF ET PROCEDE PERMETTANT DE COMPENSER UNE FUITE D'AIR A PARTIR D'UN CIRCUIT DE CERCLE D'ANESTHESIE**
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[73] TEXAS TECH UNIVERSITY SYSTEM, US
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[54] **LIPID CONJUGATE PREPARED FROM SCAFFOLD MOIETY**
[54] **CONJUGUE LIPIDIQUE PREPARE A PARTIR D'UN FRAGMENT SQUELETTE**
[72] CHEN, SAM, CA
[72] TAM, YUEN YI, CA
[72] ZAIFMAN, JOSHUA, CA
[72] CIUFOLINI, MARCO, CA
[73] INTEGRATED NANOTHERAPEUTICS INC., CA
[73] CHEN, SAM, CA
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[54] **COMPOSITION D'ADDITIF DE GLISSEMENT STABLE DANS UN SOLVANT**
[72] FRYFOGLE, PATRICK J., US
[72] LIU, YIHAN, US
[72] MITCHELL, TIMOTHY P., US
[72] REIL, JENNIFER A., US
[72] REITER, MICHAEL R., US
[72] ROBERTS, JOHN M., US
[72] WIEBER, GARY M., US
[72] ZIMMERMAN, BRETT L., US
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[54] **REJECTION MECHANISM FOR A CONVEYOR SYSTEM**
[54] **MECANISME DE REJET POUR SYSTEME TRANSPORTEUR**
[72] DOUGLAS, JOSIAH, US
[72] HOOD, BRADFORD JAMES, US
[72] RECEVEUR, PAUL, US
[72] WITTMER, KURT MICHAEL, US
[73] MATERIAL HANDLING SYSTEMS, INC., US
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[54] **COMPOSITIONS, ARTICLES, AND METHODS FOR ABATEMENT OF HYDROCARBON, METALS, AND ORGANIC POLLUTANTS**
[54] **COMPOSITIONS, ARTICLES ET PROCEDES DE REDUCTION D'HYDROCARBURES, DE METAUX ET DE POLLUANTS ORGANIQUES**
[72] LOLLING, SHAWN M., US
[72] GAN, BRUCE R., US
[73] ABTECH INDUSTRIES, INC., US
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April 10, 2022 to April 16, 2022

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[54] **DISPOSITIF DE DISTRIBUTION D'OXYGENE PARFUME PORTATIF O+**
[72] GRIESE, DONALD H., CA
[71] O TWO PLUS LIMITED, CA
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[54] **ELEMENT DE JOINT POUR PANNEAUX**
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[71] ESSEPI S.R.L., IT
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[54] **SYSTEMES DE COFFRAGE ET METHODES CONNEXES**
[72] FERREIRA, MANUEL, CA
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[54] **MASSAGE AID FOR REDUCING PRACTITIONER FATIGUE**
[54] **OUTIL DE MASSAGE POUR REDUIRE LA FATIGUE DU PRATICIEN**
[72] JONES, DEVIN, CA
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[54] **MODIFIED POLYVINYL BUTYRAL MATERIAL, AND PREPARATION AND APPLICATIONS THEREOF**
[54] **MATERIAU DE POLYVINYLBUTYRAL MODIFIE ET PREPARATION ET APPLICATIONS CONNEXES**
[72] CHANG, AN-HSIUNG, CN
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[54] **MECANISME DE VERROUILLAGE DE LEVIER DE VITESSE POUR CARAVANES A SELLETTE**
[72] JOST, JAMES B., CA
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[54] **A THRUST PRODUCING UNIT WITH A FAIL-SAFE ELECTRICAL DRIVE UNIT**
[54] **UNITE DE POUSSEE AYANT UNE UNITE D'ENTRAINEMENT ELECTRIQUE A SECURITE INTEGREE**
[72] PREISSER, GERO, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
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[54] **CLOISON POUR FLECHE D'AERONEF**
[72] FINK, AXEL, DE
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
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[54] **OPTHALMOLOGICAL IMAGING AND LASER DELIVERY DEVICE, SYSTEM AND METHODS**
[54] **DISPOSITIF, SYSTEME ET METHODES D'ADMINISTRATION DE LASER ET D'IMAGERIE OPHTALMOLOGIQUE**
[72] KATCHINSKIY, NIR, CA
[72] ELEZZABI, ABDULHAKEM, CA
[71] PULSEMEDICA CORP., CA
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[54] **POIGNEE D'APPAREIL DE COUPE**
[72] POSNAK, ALFRED, CA
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[54] **APPAREIL DE SECHAGE DES GRAINS**
[72] HANRATTY, ALAN, CA
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[54] **METHODE ET SYSTEME POUR REALISER UNE OPERATION**
[72] MILLER, ROBERT K., CA
[72] FARAGHER, KEVIN W., CA
[72] JUSSAWALLA, MALCOLM D., CA
[72] PAWELKIEWICZ, TOMASZ, CA
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[54] **SANITISER UNIT**
[54] **UNITE D'ASSAINISSEMENT**
[72] GALLIFORD, PETER, GB
[71] MECHLINE DEVELOPMENTS LIMITED, GB
[22] 2020-10-15
[41] 2022-04-15

[21] **3,096,380**
[13] A1
[51] **Int.Cl. B65D 50/02 (2006.01) B65D 50/00 (2006.01)**
[25] EN
[54] **CHILD RESISTANT CONTAINER**
[54] **CONTENANT A L'EPREUVE DES ENFANTS**
[72] LEVITZ, BEN, US
[71] LEVITZ, BEN, US
[22] 2020-10-16
[41] 2022-04-16

[21] **3,096,650**
[13] A1
[51] **Int.Cl. B62D 53/04 (2006.01) B60P 3/42 (2006.01) B62B 1/18 (2006.01)**
[25] EN
[54] **TRAILER DOLLY**
[54] **CHARIOT-REMORQUE**
[72] INGLESON, GREG, CA
[71] INGLESON, GREG, CA
[22] 2020-10-16
[41] 2022-04-16

[21] **3,096,825**
[13] A1
[51] **Int.Cl. E06B 3/72 (2006.01)**
[25] EN
[54] **DOOR ASSEMBLY**
[54] **ASSEMBLAGE DE PORTE**
[72] MACDONALD, KEVIN T., US
[72] JASKIEWICZ, TOMASZ, US
[72] JOHNSON, ERIC, US
[71] ENDURA PRODUCTS, LLC, US
[22] 2020-10-21
[41] 2022-04-12
[30] US (17/068,503) 2020-10-12

[21] **3,099,389**
[13] A1
[51] **Int.Cl. E21B 19/00 (2006.01) B23K 20/10 (2006.01)**
[25] EN
[54] **AUTOMATIC CABLE AND DEVICE DEPLOYMENT SYSTEM**
[54] **SYSTEME AUTOMATIQUE DE DEPLOIEMENT DE CABLE ET DE DISPOSITIF**
[72] JAASKELAINEN, MIKKO, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2020-11-16
[41] 2022-04-16
[30] US (17/072,467) 2020-10-16

[21] **3,101,134**
[13] A1
[51] **Int.Cl. A47J 37/06 (2006.01)**
[25] EN
[54] **SANDWICH MAKER**
[54] **GRILLE-SANDWICH**
[72] WU, YU-CHIEH, CN
[72] CHANG, I-TING, CN
[71] PRESIDENT CHAIN STORE CORP., CN
[22] 2020-11-27
[41] 2022-04-14
[30] TW (109213470) 2020-10-14

[21] **3,101,698**
[13] A1
[51] **Int.Cl. G01N 37/00 (2006.01) G01G 19/00 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR PERFORMING NON-DESTRUCTIVE TESTING (NDT)**
[54] **METHODES ET SYSTEMES POUR REALISER DES ESSAIS NON DESTRUCTIFS (NDT)**
[72] LACASSE, SEBASTIEN, CA
[72] DJAFRI, IKRAM, CA
[71] BELL TEXTRON INC., US
[22] 2020-12-04
[41] 2022-04-16
[30] US (17/073,214) 2020-10-16

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[21] **3,101,756**
[13] A1
[51] **Int.Cl. B62B 5/04 (2006.01) B64F 5/60 (2017.01) B62B 3/00 (2006.01)**
[25] EN
[54] **CART FOR NON-DESTRUCTIVE TESTING AND INSPECTION OF A PART**
[54] **CHARIOT POUR REALISER DES ESSAIS NON DESTRUCTIFS ET L'INSPECTION D'UNE PIECE**
[72] LALIBERTE, FREDERIC, CA
[71] BELL TEXTRON INC., US
[22] 2020-12-04
[41] 2022-04-16
[30] US (17/073,179) 2020-10-16

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[13] A1
[51] **Int.Cl. G01G 19/14 (2006.01) G01G 23/14 (2006.01) G01G 23/42 (2006.01)**
[25] EN
[54] **WEIGHING SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE PESAGE**
[72] TETREAULT, SIMON, CA
[71] BELL TEXTRON INC., US
[22] 2020-12-04
[41] 2022-04-16
[30] US (17/073,195) 2020-10-16

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[21] **3,107,452**
[13] A1
[51] **Int.Cl. G02B 6/124 (2006.01) G02B 5/18 (2006.01) G02B 6/13 (2006.01)**
[25] EN
[54] **PHOTOBLEACHING OF FIBER BRAGG GRATINGS WRITTEN THROUGH THE FIBER COATING**
[54] **PRODUCTION DE PHOTO-INSTABILITE DANS LE REVETEMENT DES RESEAUX DE BRAGG DE FIBRES OPTIQUES**
[72] GOUIN, SAMUEL, CA
[72] CARIGNAN, CLAUDE, CA
[72] FAUCHER, MATHIEU, CA
[72] TREPANIER, FRANCOIS, CA
[72] ROUSSEAU, GUY, CA
[72] BERNIER, MARTIN, CA
[72] VILLENEUVE, ALAIN, CA
[71] TERAXION INC., CA
[22] 2021-01-29
[41] 2022-04-16
[30] US (63/092, 787) 2020-10-16

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[21] **3,115,538**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 49/00 (2006.01) C12N 1/14 (2006.01)**
[25] EN
[54] **METHOD FOR FABRICATION OF NANOSTRUCTURE**
[54] **METHODE DE FABRICATION D'UNE NANOSTRUCTURE**
[72] WOLL-MORISON, VAUGHN, CA
[72] KHOSROSHAHI, MOHAMMAD, CA
[72] MODMEDI, TIAM, CA
[71] M.I.S. ELECTRONICS INC., CA
[22] 2021-04-19
[41] 2022-04-16
[30] US (63/093,053) 2020-10-16

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[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01) G06Q 20/40 (2012.01) H04L 12/16 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM, AND MEDIUM FOR SOCIAL MEDIA CONTENT MONITORING, ORGANIZATION, AND REPORTING**
[54] **METHODE, SYSTEME ET MOYEN DE SURVEILLANCE, D'ORGANISATION ET DE RAPPORT DE CONTENU SUR LES MEDIAS SOCIAUX**
[72] ALAMEDDINE, ABDULMAJID, CA
[72] FOISY, ROGER R., CA
[71] PF IP HOLDINGS INC., CA
[22] 2021-05-14
[41] 2022-04-16
[30] US (63/093,027) 2020-10-16

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[51] **Int.Cl. E04F 13/072 (2006.01) E04F 13/075 (2006.01)**
[25] EN
[54] **CHANNELED PLANK SIDING**
[54] **PLANCHE DE PAREMENT CANALISEE**
[72] RASMUSSEN, C. SCOTT, US
[72] PRITCHARD, ZACHARY, US
[71] QUALITY EDGE, INC., US
[22] 2021-05-17
[41] 2022-04-12
[30] US (17/068,350) 2020-10-12

[21] **3,121,968**
[13] A1
[51] **Int.Cl. A47G 29/30 (2006.01) G06Q 10/08 (2012.01) A47G 29/20 (2006.01) E05G 1/04 (2006.01) E05G 5/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR PARCEL TRANSPORT AND TRACKING OPERATED RESPONSIVE TO DATA BEARING RECORDS**
[54] **SYSTEME DE TRANSPORT DE COLIS ET SUIVI EXPLOITE EN REPONSE A DES DOSSIERS CONTENANT DES DONNEES**
[72] ESTILL, JIM, CA
[72] HALL, GREGORY ALLAN THOMAS, CA
[72] WILSON, CHRIS, CA
[72] ABELLERA, STEPHEN, CA
[71] SHIPPERBEE, INC., CA
[22] 2021-06-10
[41] 2022-04-15
[30] US (63/092,164) 2020-10-15

[21] **3,123,666**
[13] A1
[51] **Int.Cl. B60T 5/00 (2006.01)**
[25] EN
[54] **BRAKE COOLING SYSTEM AND METHOD OF COOLING BRAKES IN AN AXLE ASSEMBLY**
[54] **SYSTEME DE REFROIDISSEMENT DE FREIN ET METHODE POUR REFROIDIR LES FREINS D'UN TRAIN DE ROULEMENT**
[72] FISHER, KEITH BRYON, US
[72] BENT, FRED WALLACE, US
[71] TOWHAUL CORPORATION, US
[22] 2021-06-30
[41] 2022-04-15
[30] US (17/071016) 2020-10-15

[21] **3,124,383**
[13] A1
[51] **Int.Cl. B65D 81/00 (2006.01) A61K 36/185 (2006.01) B65D 25/00 (2006.01) B65D 51/28 (2006.01) B65D 77/24 (2006.01) B65D 81/18 (2006.01)**
[25] EN
[54] **VOLATILES PRESERVING PACKAGING AND METHODS**
[54] **EMBALLAGE POUR PRESERVER DES PRODUITS VOLATILS ET METHODES**
[72] GREENBAUM, ERIC, US
[71] VIREO HEALTH INC., US
[22] 2021-07-13
[41] 2022-04-14
[30] US (17/070,846) 2020-10-14

[21] **3,126,451**
[13] A1
[51] **Int.Cl. H05B 45/00 (2022.01) H05B 45/10 (2020.01) H05B 45/20 (2020.01) H05B 45/40 (2020.01) H05B 47/185 (2020.01)**
[25] EN
[54] **SYSTEMS TO CONTROL LIGHT OUTPUT CHARACTERISTICS OF A LIGHTING DEVICE**
[54] **SYSTEMES POUR CONTROLER LES CARACTERISTIQUES D'EMISSION LUMINEUSE D'UN APPAREIL D'ECLAIRAGE**
[72] RODRIGUEZ, YAN, US
[71] ABL IP HOLDING LLC, US
[22] 2021-07-28
[41] 2022-04-16
[30] US (17/072,264) 2020-10-16

[21] **3,128,688**
[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 25/24 (2006.01) F01D 25/30 (2006.01)**
[25] EN
[54] **BLADE CONTAINMENT ASSEMBLY FOR A GAS TURBINE ENGINE**
[54] **ENSEMBLE DE RETENTION DE PALE POUR TURBINE A GAZ**
[72] LEFEBVRE, GUY, CA
[72] DOYON, FRANCOIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-08-20
[41] 2022-04-16
[30] US (17/072,212) 2020-10-16

[21] **3,128,833**
[13] A1
[51] **Int.Cl. B29C 64/393 (2017.01)**
[25] EN
[54] **PROCESS CONTROL METHOD FOR A 3D-PRINTING PROCESS**
[54] **METHODE DE CONTROLE D'UN PROCEDE D'IMPRESSION TRIDIMENSIONNELLE**
[72] REISSNER, JOACHIM, AT
[72] EBERT, JORG, CH
[72] BONDERER, LORENZ JOSEF, CH
[71] IVOCLAR VIVADENT AG, LI
[22] 2021-08-20
[41] 2022-04-15
[30] EP (20201987.3) 2020-10-15

[21] **3,129,797**
[13] A1
[51] **Int.Cl. B60Q 1/22 (2006.01) F21S 43/14 (2018.01) B60Q 1/30 (2006.01)**
[25] EN
[54] **MODULAR TAILGATE LIGHT ASSEMBLY**
[54] **MECANISME DE LUMIERE DE HAYON MODULAIRE**
[72] SINGH, IQBAL, US
[72] CONNINGTON, CHRIS, US
[72] LI, ERIC, CN
[71] HOPKINS MANUFACTURING CORPORATION, US
[22] 2021-09-02
[41] 2022-04-13
[30] US (17/069,007) 2020-10-13

[21] **3,130,007**
[13] A1
[51] **Int.Cl. F16N 39/02 (2006.01) F16H 57/04 (2010.01) F16N 7/40 (2006.01) F16N 27/00 (2006.01) F16N 39/04 (2006.01)**
[25] EN
[54] **A GEAR SYSTEM AND A METHOD FOR LUBRICATING A GEAR**
[54] **SYSTEME D'ENGRENAGE ET METHODE DE LUBRIFICATION D'UN ENGRENAGE**
[72] VUOLLE-APIALA, TUOMAS, FI
[72] HEINO, JUHA, FI
[71] MOVENTAS GEARS OY, FI
[22] 2021-09-07
[41] 2022-04-12
[30] EP (20201277.9) 2020-10-12

[21] **3,130,190**
[13] A1
[51] **Int.Cl. F28G 15/00 (2006.01)**
[25] EN
[54] **METHOD OF CLEANING HEAT EXCHANGERS OR TUBE BUNDLES USING A CLEANING STATION**
[54] **METHODE DE NETTOYAGE D'ECHANGEURS DE CHALEUR OU DE FAISCEAUX TUBULAIRES AU MOYEN D'UN POSTE DE NETTOYAGE**
[72] GROMES, TERRY D., SR, US
[72] GROMES, TERRY D., JR, US
[72] GRIFFIN, KRISTEN E., US
[72] SHOCKEY, JON M., JR, US
[72] EAST, GORDON W., US
[72] JACKSON, WILLIAM C., US
[71] TERYDON, INC., US
[22] 2021-09-08
[41] 2022-04-15
[30] US (17/071,203) 2020-10-15

[21] **3,130,334**
[13] A1
[51] **Int.Cl. A61J 15/00 (2006.01) A61M 25/02 (2006.01)**
[25] EN
[54] **FIXING DEVICE OF NASOGASTRIC TUBE**
[54] **DISPOSITIF DE FIXATION D'UNE SONDE NASOGASTRIQUE**
[72] SU, CHIEN-CHUNG, TW
[71] SU, CHIEN-CHUNG, TW
[22] 2021-09-10
[41] 2022-04-12
[30] TW (109135090) 2020-10-12

[21] **3,130,866**
[13] A1
[51] **Int.Cl. G16H 20/10 (2018.01) G06V 10/764 (2022.01) G06V 10/82 (2022.01) G06N 3/02 (2006.01)**
[25] EN
[54] **IDENTIFICATION AND VERIFICATION OD MEDICATION**
[54] **IDENTIFICATION ET VERIFICATION DE MEDICATION**
[72] TRUSCOTT, ANDREW J., US
[72] BISCHOFF, ETHAN R., US
[71] ACCENTURE GLOBAL SOLUTIONS LIMITED, GB
[22] 2021-09-15
[41] 2022-04-16
[30] US (63/092,735) 2020-10-16
[30] US (17/117,919) 2020-12-10

[21] **3,131,054**
[13] A1
[51] **Int.Cl. G07C 5/08 (2006.01) H04W 4/44 (2018.01) G01S 19/52 (2010.01)**
[25] EN
[54] **DRIVING MONITORING AND DETECTION SYSTEM**
[54] **SYSTEME DE SURVEILLANCE ET DE DETECTION D'UN EVENEMENT DE CONDUITE**
[72] BYKHOVOY, ROMAN, US
[72] LUNDQUIST, WILLIAM, US
[71] J. J. KELLER & ASSOCIATES, INC., US
[22] 2021-09-16
[41] 2022-04-14
[30] US (17/070,567) 2020-10-14

[21] **3,131,921**
[13] A1
[51] **Int.Cl. H04L 43/04 (2022.01) H04L 9/40 (2022.01)**
[25] EN
[54] **NETWORK TRAFFIC ANALYSIS**
[54] **ANALYSE DE TRAFIC RESEAU**
[72] NIEMENMAA, MATTI, US
[72] MATHEWS, JAMES, US
[71] CUJO LLC, US
[22] 2021-09-24
[41] 2022-04-13
[30] US (17/069,099) 2020-10-13

[21] **3,132,172**
[13] A1
[51] **Int.Cl. G01N 27/9093 (2021.01) G01N 17/04 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR THE DETECTION OF CORROSION UNDER INSULATION (CUI), CORROSION UNDER FIREPROOFING (CUF), AND FAR SIDE CORROSION ON CARBON STEEL PIPING AND PLATES**
[54] **METHODE ET APPAREIL DE DETECTION DE LA CORROSION SOUS L'ISOLATION (CUI), DE LA CORROSION SOUS LA PROTECTION IGNIFUGE (CUF) ET DE LA CORROSION COTE DISTAL DE LA TUYAUTERIE ET DES PLAQUES D'ACIER**
[72] RUSSELL, DAVID E., CA
[72] YU, YUWU, CA
[72] NGUYEN, HOAN, CA
[72] THAI, BRIAN, CA
[72] LINGNAU, DANIEL, CA
[72] JIN, ELLEN, CA
[71] RUSSELL NDE SYSTEMS INC., CA
[22] 2021-09-24
[41] 2022-04-12
[30] US (17/068,448) 2020-10-12

[21] **3,132,349**
[13] A1
[51] **Int.Cl. B64D 31/00 (2006.01) B64C 11/30 (2006.01) F02K 1/54 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING IN-FLIGHT REVERSE THRUST FOR AN AIRCRAFT**
[54] **SYSTEME ET METHODE POUR PRODUIRE UNE INVERSION DE POUSSEE D'AERONEF EN VOL**
[72] CORMIER, CHARLES, CA
[72] COUTU, DANIEL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-09-29
[41] 2022-04-16
[30] US (17/072,477) 2020-10-16

[21] **3,132,483**
[13] A1
[51] **Int.Cl. H04L 43/08 (2022.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGING VIDEO STREAMING QUALITY OF EXPERIENCE**
[54] **SYSTEME ET METHODE DE GESTION DE LA QUALITE DE L'EXPERIENCE DE DIFFUSION VIDEO EN CONTENU**
[72] RAMANUJAM, SRINIDHI CHAKRAVARTHY, IN
[72] KARANTH, PRADEEP, IN
[72] KUMAR, SANDEEP, IN
[71] SANDVINE CORPORATION, CA
[22] 2021-09-30
[41] 2022-04-15
[30] IN (202011044963) 2020-10-15

[21] **3,132,952**
[13] A1
[51] **Int.Cl. G01C 11/04 (2006.01) G16Z 99/00 (2019.01)**
[25] EN
[54] **AUTOMATED TOOLS FOR GENERATING BUILDING MAPPING INFORMATION**
[54] **OUTILS AUTOMATISES POUR GENERER DES RENSEIGNEMENTS DE CARTOGRAPHIE DE BATIMENT**
[72] LI, YUGUANG, US
[72] MOULON, PIERRE, US
[72] WIXSON, LAMBERT E., US
[72] BUEHLER, CHRISTOPHER, US
[72] BOYADZHIEV, IVAYLO, US
[71] ZILLOW, INC., US
[22] 2021-10-04
[41] 2022-04-13
[30] US (17/069,800) 2020-10-13

[21] **3,133,392**
[13] A1
[51] **Int.Cl. B65H 57/18 (2006.01) B23K 9/133 (2006.01) B65H 49/18 (2006.01)**
[25] EN
[54] **HORIZONTAL WIRE FEED SPOOL DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE BOBINE D'ALIMENTATION DE FIL HORIZONTALE**
[72] BESCHTA, MARK, US
[72] BROWN, ERIK, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-10-05
[41] 2022-04-16
[30] US (17/072,210) 2020-10-16

[21] **3,133,529**
[13] A1
[51] **Int.Cl. B24C 9/00 (2006.01)**
[25] EN
[54] **HYDRAULIC FAST-COUPLING ASSEMBLY FOR COUPLING A WATER JET CUTTING SYSTEM WITH A SUPPORTING HEAD OF A MACHINE USED FOR THE WORKING OF SHEET MATERIALS**
[54] **ASSEMBLAGE DE RACCORD RAPIDE HYDRAULIQUE POUR RACCORDER UN SYSTEME DE COUPE A JET D'EAU A UNE TETE DE SUPPORT D'UNE MACHINE UTILISEE POUR L'USINAGE DE MATERIAUX EN FEUILLES**
[72] DI CARLO, RENATO, IT
[71] SASSOMECCANICA S.P.A., IT
[22] 2021-10-07
[41] 2022-04-15
[30] IT (102020000024406) 2020-10-15

[21] **3,133,612**
[13] A1
[51] **Int.Cl. A21C 14/00 (2006.01) G05B 15/02 (2006.01)**
[25] EN
[54] **DOUGH PROCESSING MACHINE FOR TREATING PRODUCTS**
[54] **MACHINE DE TRANSFORMATION DE PATE POUR TRAITER DES PRODUITS**
[72] GEBHARDT, SAMUEL, DE
[72] LANG, JOHANNES, DE
[71] FRITSCH BAKERY TECHNOLOGIES GMBH & CO. KG, DE
[22] 2021-10-08
[41] 2022-04-13
[30] DE (102020126779.7) 2020-10-13

[21] **3,133,615**
[13] A1
[51] **Int.Cl. G01S 17/58 (2006.01) F03D 80/00 (2016.01)**
[25] FR
[54] **METHOD FOR DETERMINATION OF AN INDUCTION FACTOR BETWEEN A MEASUREMENT PLANE AND THE ROTOR PLANE OF A WIND TURBINE**
[54] **PROCEDE DE DETERMINATION D'UN FACTEUR D'INDUCTION ENTRE UN PLAN DE MESURE ET LE PLAN DU ROTOR D'UNE EOLINNE**
[72] NGUYEN, HOAI-NAM, FR
[72] GUILLEMIN, FABRICE, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2021-10-08
[41] 2022-04-14
[30] FR (20/10.493) 2020-10-14

[21] **3,133,637**
[13] A1
[51] **Int.Cl. E21B 43/20 (2006.01) E21B 43/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR UTILIZING LATE LIFE IN SITU RESERVOIRS**
[54] **SYSTEMES ET METHODES POUR UTILISER LES RESERVOIRS SUR PLACE EN FIN DE VIE**
[72] SOOD, ARUN, CA
[72] GLOVER, ROBERT DANIEL, CA
[72] RUPERT, KRISTOPHER DAVID, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-10-06
[41] 2022-04-16
[30] CA (3,096,230) 2020-10-16
[30] CA (3,111,218) 2021-03-04

[21] **3,133,695**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **INVENTORY INFORMATION UPDATE METHOD, DEVICE, COMPUTER APPARATUS AND STORAGE MEDIUM**
[54] **METHODE DE MISE A JOUR DES RENSEIGNEMENTS DE STOCKS, DISPOSITIF, APPAREIL INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] WANG, KANGLONG, CN
[72] QIN, GANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-08
[41] 2022-04-12
[30] CN (202011085289.3) 2020-10-12

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[13] A1
[51] **Int.Cl. H01M 50/538 (2021.01) H01M 10/0587 (2010.01) H01M 50/107 (2021.01)**
[25] EN
[54] **ELECTRODE BODY AND CYLINDRICAL LITHIUM BATTERY CONTAINING THE SAME**
[54] **CORPS D'ELECTRODE ET BATTERIE AU LITHIUM CYLINDRIQUE LE CONTENANT**
[72] TSAI, JUI-MIN, TW
[72] TSAI, TSUNG-YI, TW
[72] TSAI, KUN-MIAO, TW
[72] CHANG, WEI-DUNG, TW
[71] E-ONE MOLI ENERGY CORP., TW
[22] 2021-10-08
[41] 2022-04-12
[30] TW (109135168) 2020-10-12
[30] TW (109213311) 2020-10-12

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[13] A1
[51] **Int.Cl. H04L 69/329 (2022.01) H04L 47/43 (2022.01) H04L 69/22 (2022.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR LAYER 7 HARDWARE ASSIST AND CPU TASK OFFLOADS**
[54] **METHODES ET SYSTEMES D'APPUI MATERIEL DE COUCHE 7 ET DECHARGEMENT DES TACHES DU CPU**
[72] GALLES, MICHAEL BRIAN, US
[72] VINCHURE, HEMANT, US
[71] PENSANDO SYSTEMS INC., US
[22] 2021-10-08
[41] 2022-04-15
[30] US (17/071,975) 2020-10-15

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[51] **Int.Cl. A01K 87/00 (2006.01) A45B 19/04 (2006.01) A45B 19/08 (2006.01) E04H 12/18 (2006.01) E04H 15/44 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR EXPANDING AND COLLAPSING A ROD**
[54] **APPAREIL ET METHODES D'EXPANSION ET D'ESCAMOTAGE D'UNE TIGE**
[72] ZHANG, WEI, CA
[71] ZHANG, WEI, CA
[22] 2021-10-11
[41] 2022-04-11
[30] US (17/067711) 2020-10-11

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[51] **Int.Cl. E21B 33/138 (2006.01) E21B 33/134 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ESTABLISHING SUBSURFACE BARRIERS**
[54] **SYSTEME ET METHODE POUR ETABLIR DES BARRIERES EN SUBSURFACE**
[72] BEENTJES, IVAN, CA
[72] MCMINN, NEIL, CA
[72] SMITH, JENNIFER, CA
[72] CAMPBELL, SUSAN, CA
[72] BOGATKOV, DMITRY, CA
[71] SUNCOR ENERGY INC., CA
[22] 2021-10-12
[41] 2022-04-16
[30] CA (3,096,230) 2020-10-16
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[51] **Int.Cl. E05C 1/08 (2006.01)**
[25] EN
[54] **GATE LATCH**
[54] **VERROU DE PORTAIL**
[72] WHEATLAND, GRAHAM, US
[71] SPECTRUM BRANDS, INC., US
[22] 2021-10-12
[41] 2022-04-13
[30] US (63/091,155) 2020-10-13

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[51] **Int.Cl. A47G 29/02 (2006.01) A47F 5/08 (2006.01) B25H 3/00 (2006.01) E04F 13/08 (2006.01) E04F 13/21 (2006.01) E04F 13/24 (2006.01)**
[25] EN
[54] **REINFORCED SLATWALL ASSEMBLY**
[54] **ASSEMBLAGE DE MUR A LATTES RENFORCE**
[72] LETHAM, ERIC, CA
[71] SOLUTIONS MURALES PROSLAT INC., CA
[22] 2021-10-12
[41] 2022-04-15
[30] US (63/091.995) 2020-10-15

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[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR SIMULATING ORGANIZATIONAL SUCCESSION PLANNING**
[54] **METHODE ET SYSTEME INFORMATIQUE POUR SIMULER UNE PLANIFICATION DE LA RELEVE D'UNE ORGANISATION**
[72] MUBAYED, JONATHAN, CA
[72] LAFRENIERE, MARC-ANDRE, CA
[71] BANQUE NATIONALE DU CANADA, CA
[22] 2021-10-12
[41] 2022-04-16
[30] US (63/092,603) 2020-10-16

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[13] A1
[51] **Int.Cl. E04F 19/02 (2006.01)**
[25] EN
[54] **INTERNAL WALL END APPARATUS**
[54] **APPAREIL D'EXTREMITE DE PAROI INTERNE**
[72] MCKECHNIE, MARK SIMON, AU
[72] MCALPIN, WARWICK JAMES, AU
[72] STEVENS, BENJAMIN GORDON, AU
[71] STUDCO AUSTRALIA PTY LTD, AU
[22] 2021-10-12
[41] 2022-04-13
[30] AU (2020102698) 2020-10-13

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[13] A1
[51] **Int.Cl. B64D 33/08 (2006.01) B64D 27/02 (2006.01) F01P 1/00 (2006.01) F01P 5/04 (2006.01) F02B 61/04 (2006.01)**
[25] EN
[54] **AIRCRAFT PROPULSION SYSTEM WITH PROPELLER AND COOLING FAN**
[54] **SYSTEME DE PROPULSION D'AERONEF AVEC HELICE ET VENTILATEUR DE REFROIDISSEMENT**
[72] DIONNE, LUC, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-10-12
[41] 2022-04-14
[30] US (17/070,154) 2020-10-14

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[13] A1
[51] **Int.Cl. E05B 15/00 (2006.01) E05B 41/00 (2006.01)**
[25] EN
[54] **CYLINDRICAL LEVER LOCKING SYSTEM**
[54] **SYSTEME DE VERROUILLAGE DE LEVIER CYLINDRIQUE**
[72] HICKMAN, CHAD A., US
[71] DORMAKABA USA INC., US
[22] 2021-10-12
[41] 2022-04-14
[30] US (63/091,670) 2020-10-14

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[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **CREDIT INVESTIGATION DATA SUBMISSION METHOD, DEVICE AND SYSTEM, EQUIPMENT AND COMPUTER STORAGE MEDIUM**
[54] **METHODE, DISPOSITIF ET SYSTEME DE PRESENTATION DE DONNEES D'ENQUETE SUR LE CREDIT, EQUIPEMENT ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] ZHU, YUANYUAN, CN
[72] LI, ZHIHAI, CN
[72] FAN, QINGXIANG, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-12
[41] 2022-04-12
[30] CN (202011083304.0) 2020-10-12

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[51] **Int.Cl. E21B 23/04 (2006.01) E21B 33/068 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **PNEUMATIC TRANSPORT SYSTEM AND METHOD FOR WELLBORE OPERATIONS**
[54] **SYSTEME DE TRANSPORT PNEUMATIQUE ET METHODE POUR LES OPERATIONS DE TROU DE FORAGE**
[72] WATKINS, TOM, CA
[72] NAJAFOV, JEYHUN, CA
[71] ADVANCED UPSTREAM LTD., CA
[22] 2021-10-13
[41] 2022-04-14
[30] US (63/091,865) 2020-10-14

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[51] **Int.Cl. E06C 7/48 (2006.01) E06C 7/02 (2006.01) E06C 7/06 (2006.01)**
[25] EN
[54] **LADDER, ACCESSORY FOR A LADDER WITH A LOCKING ASSEMBLY, AND METHOD**
[54] **ECHELLE, ACCESSOIRE POUR UNE ECHELLE AVEC UN MECANISME DE VERROUILLAGE ET METHODE**
[72] LOPEZ, IVAN D., US
[71] WERNER CO., US
[22] 2021-10-13
[41] 2022-04-14
[30] US (63/091,742) 2020-10-14

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[51] **Int.Cl. G06Q 30/02 (2012.01) G06N 20/00 (2019.01) G06F 3/04842 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING USER EXPERIENCE DURING DAMAGE APPRAISAL**
[54] **SYSTEMES ET METHODES POUR AMELIORER L'EXPERIENCE UTILISATEUR PENDANT UNE EVALUATION DES DOMMAGES**
[72] LYONS, JENNIFER, US
[72] DE NEVE, MARCEL, US
[72] SULLIVAN, BEAU, US
[71] MITCHELL INTERNATIONAL, INC., US
[22] 2021-10-13
[41] 2022-04-14
[30] US (63/091,907) 2020-10-14

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[13] A1
[51] **Int.Cl. B65G 27/24 (2006.01)**
[25] EN
[54] **VIBRATING CONVEYOR**
[54] **TRANSPORTEUR VIBRANT**
[72] JENSEN, SVERRE FAUREHOLM, DK
[72] GORNITZKA, MIKE, DK
[72] NORBY, THOMAS, DK
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2021-10-13
[41] 2022-04-14
[30] EP (20201834.7) 2020-10-14

[21] **3,134,230**
[13] A1
[51] **Int.Cl. G07C 3/00 (2006.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **DIGITIZED AUTOMATIC, FIRE, SMOKE, AND EGRESS DOOR INSPECTION SYSTEM AND METHODS**
[54] **SYSTEME ET METHODES D'INSPECTION AUTOMATIQUE NUMERIQUE DES INCENDIES, DE LA FUMEE ET DES PORTES DE SORTIE**
[72] PARKS, GEORGE C., US
[72] SAXTON, STEPHEN, US
[72] WAINWRIGHT, DIANNE, US
[72] PICKETT, RONALD, US
[71] EMRGTECH IQ, INC. D/B/A FACILITIESIQ, US
[22] 2021-10-13
[41] 2022-04-13
[30] US (63/090,738) 2020-10-13
[30] US (63/179,943) 2021-04-26

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[51] **Int.Cl. G07F 11/68 (2006.01) G07B 3/02 (2006.01) G07C 15/00 (2006.01) G07F 11/62 (2006.01)**
[25] EN
[54] **LOTTERY TICKET DISPENSING SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE BILLETS DE LOTERIE**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[72] HOLBROOK, JAMES JONATHAN, US
[72] THOMPSON, MARK ANDREW, US
[72] SCOTT, IAN ROBERT, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2021-10-13
[41] 2022-04-14
[30] US (17/070,125) 2020-10-14

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[51] **Int.Cl. G06Q 10/00 (2012.01) G05B 19/05 (2006.01) G05B 23/02 (2006.01) G06F 11/36 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS TO AUTOMATE PROCESS HAZARD, LOPA AND SAFETY PLC APPLICATION PROGRAM VALIDATION FOR SAFETY INSTRUMENTED SYSTEMS**
[54] **METHODE ET APPAREIL POUR AUTOMATISER LA VALIDATION DE PROGRAMMES D'APPLICATION D'AUTOMATES PROGRAMMABLES INDUSTRIELS D'ANALYSE DES DANGERS, DES COUCHES DE PROTECTION ET DE LA SECURITE POUR LES SYSTEMES A INSTRUMENTS DE SECURITE**
[72] MISHRA, AJAY, US
[72] IVANOV, DIANA, US
[72] BANCHIK, ERNA, US
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
[22] 2021-10-13
[41] 2022-04-16
[30] US (17/072,735) 2020-10-16

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[51] **Int.Cl. G07F 11/68 (2006.01) G07B 3/02 (2006.01) G07C 15/00 (2006.01) G07F 11/62 (2006.01)**
[25] EN
[54] **LOTTERY TICKET DISPENSING UNIT WTIH A SHUTTLE SEPARATOR DEVICE**
[54] **UNITE DE DISTRIBUTION DE BILLETS DE LOTERIE AVEC UN SEPARATEUR A NAVETTE**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[72] BEHM, WILLIAM F., US
[72] HOLBROOK, JAMES JONATHAN, US
[72] THOMPSON, MARK ANDREW, US
[72] SCOTT, IAN ROBERT, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2021-10-13
[41] 2022-04-14
[30] US (17/070,102) 2020-10-14

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[13] A1
[51] **Int.Cl. G01D 5/12 (2006.01) G01F 23/20 (2006.01) G01S 13/08 (2006.01)**
[25] EN
[54] **TEMPERATURE COMPENSATION FOR MAGNETOSTRICTIVE POSITION DETECTORS**
[54] **COMPENSATION THERMIQUE POUR DES DETECTEURS DE POSITION MAGNETOSTRICTIVE**
[72] BALUJA, WILFREDO FERNANDO, CN
[71] ABB SCHWEIZ AG, CH
[22] 2021-10-14
[41] 2022-04-15
[30] US (17/071,568) 2020-10-15

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[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **SIDE PANEL ASSEMBLY FOR A SNOW PLOW**
[54] **ASSEMBLAGE DE PANNEAU LATERAL POUR UN CHASSE-NEIGE**
[72] STRAIT, BLAKE LLOYD, US
[72] STRAIT, LUCAS LAWRENCE, US
[71] STRAIT, BLAKE LLOYD, US
[71] STRAIT, LUCAS LAWRENCE, US
[22] 2021-10-14
[41] 2022-04-14
[30] US (63/091,668) 2020-10-14
[30] US (63/157,373) 2021-03-05

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[51] **Int.Cl. A45C 3/00 (2006.01) A45C 9/00 (2006.01) A45C 13/00 (2006.01) A45C 13/03 (2006.01) B65D 30/00 (2006.01) B65D 33/14 (2006.01)**
[25] EN
[54] **SOFT-SIDED CONTAINER WITH HANGING SUSPENSION**
[54] **CONTENANT A PAROIS SOUPLES AVEC SUSPENSION A TIGE**
[72] RODGERS, REBECCA, CA
[72] MOGIL, MELVIN S., CA
[72] WU, JINGCHAO, CA
[72] STEVENS, RICHARD C., US
[71] CALIFORNIA INNOVATIONS INC., CA
[22] 2021-10-14
[41] 2022-04-14
[30] US (17/069,946) 2020-10-14
[30] CA (PCT/CA2020/051374) 2020-10-14

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[51] **Int.Cl. G07F 11/68 (2006.01) G07B 3/02 (2006.01) G07C 15/00 (2006.01) G07F 11/62 (2006.01)**
[25] EN
[54] **LOTTERY TICKET DISPENSING UNIT WITH BRAKE ROLLER**
[54] **UNITE DE DISTRIBUTION DE BILLETS DE LOTERIE COMPRENANT UN ROULEAU FREINANT**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[72] HOLBROOK, JAMES JONATHAN, US
[72] SCOTT, IAN ROBERT, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2021-10-13
[41] 2022-04-14
[30] US (17/070,080) 2020-10-14

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[13] A1
[51] **Int.Cl. B64D 11/00 (2006.01) B64D 11/06 (2006.01)**
[25] FR
[54] **INTERIOR DESIGN OF AN AIRCRAFT CABIN AND ASSOCIATED METHOD**
[54] **AMENAGEMENT INTERIEUR D'UNE CABINE D'AERONEF ET PROCEDE ASSOCIE**
[72] DUGAS, QUENTIN, FR
[72] BILLON, JEAN-REMI, FR
[71] DASSAULT AVIATION, FR
[22] 2021-10-14
[41] 2022-04-15
[30] FR (2010543) 2020-10-15

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[13] A1
[51] **Int.Cl. H04L 67/60 (2022.01) H04L 67/55 (2022.01)**
[25] EN
[54] **DATA QUEUE PUSHING METHOD AND DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE NOTIFICATION POUSSEE DE FILE DE DONNEES, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] WANG, YANG, CN
[72] WANG, GANG, CN
[72] XU, HENG, CN
[72] QIAN, WEI, CN
[72] XIAO, FAN, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-14
[41] 2022-04-14
[30] CN (202011097363.3) 2020-10-14

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[13] A1
[51] **Int.Cl. H04L 67/55 (2022.01)**
[25] EN
[54] **MESSAGE PUSHING METHOD AND DEVICE THEREOF, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE ET DISPOSITIF DE NOTIFICATION POUSSEE DE MESSAGE, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] TANG, DONG, CN
[72] WANG, GANG, CN
[72] XU, HENG, CN
[72] QIAN, WEI, CN
[72] GE, ZHENYU, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-14
[41] 2022-04-14
[30] CN (202011097078.1) 2020-10-14

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[13] A1
[51] **Int.Cl. G10L 21/02 (2013.01)**
[25] EN
[54] **SIGNAL RESTORATION METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE RESTAURATION DE SIGNAL, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] ZHU, LINLIN, CN
[72] QI, XIN, CN
[72] BAO, FEI, CN
[72] YAO, SHOUBAI, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-10-14
[41] 2022-04-14
[30] CN (202011098772.5) 2020-10-14

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[13] A1
[51] **Int.Cl. B65H 23/192 (2006.01) B65H 43/00 (2006.01) B65H 59/38 (2006.01) G05D 15/00 (2006.01)**
[25] EN
[54] **PARAMETERIZATION OF A TRACTIVE FORCE CONTROLLER**
[54] **PARAMETRAGE D'UN CONTROLEUR DE FORCE TRACTRICE**
[72] RAPPEL, LUKAS STEFAN, AT
[72] ANSCHUBER, ULRICH, AT
[72] SKOTSCHEK, RALF, AT
[72] STAUDECKER, MARTIN, AT
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2021-10-14
[41] 2022-04-15
[30] AT (A50885/2020) 2020-10-15

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[13] A1
[51] **Int.Cl. E04D 13/076 (2006.01)**
[25] EN
[54] **GUTTER COVER**
[54] **COUVRE-GOUTTIERE**
[72] KRONEBERGER, JEFFREY TODD, US
[71] KRONEBERGER, JEFFREY TODD, US
[22] 2021-10-14
[41] 2022-04-14
[30] US (17/070,116) 2020-10-14

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[13] A1
[51] **Int.Cl. E06B 3/26 (2006.01)**
[25] EN
[54] **WINDOW ASSEMBLY AND FITTING THEREFOR**
[54] **ASSEMBLAGE DE FENETRE ET RACCORDS**
[72] BOER, ANTHONIE, CA
[71] ELTON MANUFACTURING, A DIVISION OF ONTARIO DOOR SALES LTD., CA
[22] 2021-10-14
[41] 2022-04-15
[30] US (63/092,200) 2020-10-15

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[51] **Int.Cl. F02D 19/06 (2006.01) F02M 13/08 (2006.01)**
[25] EN
[54] **FUEL SOURCE ADAPTER FOR COMBUSTION ENGINES**
[54] **ADAPTATEUR DE SOURCE DE CARBURANT POUR MOTEURS A COMBUSTION**
[72] ONG, ANDREW, US
[71] AHO HOLDINGS LLC, US
[22] 2021-10-15
[41] 2022-04-16
[30] US (63/092,800) 2020-10-16

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[13] A1
[51] **Int.Cl. H03K 17/72 (2006.01) H01L 29/74 (2006.01) H02P 9/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MONITORING THE POLARIZATION AND CONDUCTION OF A THYRISTOR**
[54] **SYSTEME ET METHODE POUR SURVEILLER LA POLARISATION ET LA CONDUCTION D'UN THYRISTOR**
[72] ST. ROCH, JEAN-FRANCOIS, CA
[72] CARTE, AURELIEN, CA
[72] BRICARD, QUENTIN, CA
[72] BLANCHETTE, HANDY FORTIN, CA
[71] ANDRITZ HYDRO CANADA INC., CA
[22] 2021-10-14
[41] 2022-04-14
[30] US (63/091,354) 2020-10-14

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[13] A1
[51] **Int.Cl. B41M 5/41 (2006.01)**
[25] EN
[54] **HOT FOIL STAMPING MACHINE**
[54] **MACHINE D'ESTAMPAGE A CHAUD**
[72] LI, LEI, CN
[71] B&R INDUSTRIAL AUTOMATION GMBH, AT
[22] 2021-10-15
[41] 2022-04-16
[30] EP (20202298.4) 2020-10-16

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[13] A1
[51] **Int.Cl. C10M 163/00 (2006.01) C10M 125/24 (2006.01) C10M 133/44 (2006.01) C10M 135/24 (2006.01) C10M 137/04 (2006.01) C10M 159/22 (2006.01)**
[25] EN
[54] **TRANSMISSION FLUID COMPOSITIONS FOR HYBRID AND ELECTRIC VEHICLE APPLICATIONS**
[54] **COMPOSITIONS DE LIQUIDE DE TRANSMISSION POUR DES APPLICATIONS DANS DES VEHICULES HYBRIDES ET ELECTRIQUES**
[72] CUNNINGHAM, MATTHEW J., GB
[72] CHIAPPELLI, MARIA C., US
[72] NOLES, JOE R., JR., US
[72] COGEN, KERRY L., US
[72] GORDA, KEITH R., US
[72] KIM, HAHN SOO, US
[72] WATTS, RAYMOND F., US
[72] KAHSAR, LAURA A., US
[71] INFINEUM INTERNATIONAL LIMITED, GB
[22] 2021-10-15
[41] 2022-04-16
[30] US (17/072,398) 2020-10-16

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[13] A1
[51] **Int.Cl. A01B 29/04 (2006.01) A01B 29/06 (2006.01) A01B 49/00 (2006.01)**
[25] FR
[54] **KIT FOR FORMING AN AGRICULTURAL TOOL OUT OF A WHEEL BODY OR A TUBULAR SUPPORT**
[54] **KIT POUR FORMER UN OUTIL AGRICOLE A PARTIR D'UN CORPS DE ROUE OU UN SUPPORT TUBULAIRE**
[72] PHELY, OLIVIER, FR
[71] OTICO, FR
[22] 2021-10-15
[41] 2022-04-16
[30] FR (FR2010675) 2020-10-16

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[13] A1
[51] **Int.Cl. B65F 3/00 (2006.01) B60L 50/60 (2019.01) B60L 58/00 (2019.01) H02J 13/00 (2006.01)**
[25] EN
[54] **REFUSE VEHICLE WITH ELECTRIC CHASSIS**
[54] **VEHICULE A ORDURES DOTE D'UN CHASSIS ELECTRIQUE**
[72] DAVIS, EMILY, US
[72] ROCHOLL, JOSHUA D., US
[72] WECKWERTH, CLINTON T., US
[72] HOOVER, VINCENT, US
[72] MOORE, MICHAEL R., US
[72] MUELLER, SAMUEL, US
[72] VERHAGEN, JEFF, US
[72] ANDRINGA, JEREMY, US
[72] STEFFENS, GREG, US
[72] KOGA, JEFFREY, US
[71] OSHKOSH CORPORATION, US
[22] 2021-10-15
[41] 2022-04-15
[30] US (63/092,354) 2020-10-15
[30] US (63/147,406) 2021-02-09
[30] US (17/501,479) 2021-10-14

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[13] A1
[51] **Int.Cl. B62K 21/12 (2006.01) B62J 27/00 (2020.01) B62K 21/02 (2006.01) B62K 21/16 (2006.01)**
[25] EN
[54] **SAFETY DEVICE FOR HANDLEBAR OF ROLLING TRANSPORTATION SYSTEM**
[54] **DISPOSITIF DE SECURITE POUR UN GUIDON D'UN SYSTEME DE TRANSPORT ROULANT**
[72] CHONG, HENRY, CA
[71] CHONG, HENRY, CA
[22] 2021-10-15
[41] 2022-04-16
[30] US (63/092,512) 2020-10-16

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[13] A1
[51] **Int.Cl. F16L 41/06 (2006.01) B23B 51/00 (2006.01) F16L 55/18 (2006.01) F16L 55/11 (2006.01) F16L 55/162 (2006.01)**
[25] EN
[54] **BIT FOR REMOVING A PLUG FROM A BRANCH CONDUIT**
[54] **MECHE POUR RETIRER UN BOUCHON D'UN CONDUIT DE DERIVATION**
[72] BAXTER, RICK, US
[72] MCKEEFREY, STEVEN, US
[72] HERRLICH, HERMANN, US
[72] KOTTMEIER, KOLE, US
[71] INA ACQUISITION CORP., US
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[71] OILQUICK DEUTSCHLAND KG, DE
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[54] **ASSEMBLAGE DE SUPPORT DE CREMAILLERE DE DIRECTION D'UN ASSEMBLAGE DE SUPPORT**
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[72] ROBERTS, JONATHAN D., US
[71] SANDCRAFT LLC, US
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[72] HEINZ, VOLKER, DE
[72] PAJIC, ALEKSANDAR, DE
[72] RUMKER VON HOVEN, MATTHIAS, DE
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[54] **SYSTEMES D'ISOLATION DE DEFAILLANCES NON TRIPHASEES ET DE RESTAURATION**
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[72] FAN, HUA, US
[72] ROSTRON, JOSEPH R., US
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[71] LINCOLN GLOBAL, INC., US
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[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
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[72] LEBLOND, ANDRE VALMONT, US
[72] MACINTOSH, CRAIG D., US
[71] DOUGLAS DYNAMICS, L.L.C., US
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[72] WATANABE, KAREN KING-LUN TAM, CA
[72] WILSON, SCOTT WILLIAM, CA
[72] TYTUS, RICHARD HENRY, CA
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[72] HEWAGE, YASITH PRABUDDHAKA PEDURU, LK
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[71] TAURUS TECHNOLOGIES HOLDINGS, INC., US
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[54] **COMPOSANTE DE CONDUITE D'AIR POUR UN ROTOR TRANSVERSAL ET APPAREIL DE CLIMATISATION LA COMPRENANT**
[72] LING, JING, CN
[72] WANG, LONGFEI, CN
[72] LIU, QIANKUN, CN
[72] WANG, XIDONG, CN
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[54] **CLIMATISEUR**
[72] WANG, XIDONG, CN
[72] LING, JING, CN
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[54] **METHODE DE TRAITEMENT DE L'AMBIGUITE INTER DIKW ORIENTEE VERS LES CALCULS ESSENTIELS ET LE RAISONNEMENT**
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[71] HAINAN UNIVERSITY, CN
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[54] **LIGNEE PRODUISANT UNE LYASE D'ALGINATE, LYASE D'ALGINATE ET UTILISATION CONNEXE**
[72] HUANG, HUIQIN, CN
[72] HU, YONGHUA, CN
[72] MO, KUNLIAN, CN
[72] GU, HANJIE, CN
[72] WU, QINGJUAN, CN
[71] INSTITUTE OF TROPICAL BIOSCIENCE AND BIOTECHNOLOGY, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES, CN
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[54] **METHODE DE PREPARATION D'UN COMPOSE D'OXAZOLE SANS DANGER POUR L'ENVIRONNEMENT D'OXAZOLE SUBSTITUE**
[72] LI, XINFA, CN
[72] ZHOU, LISHAN, CN
[72] WANG, CHENGWEI, CN
[72] LIU, NINGNING, CN
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[72] PHAM, VINCENT, US
[72] GOODSITT, JEREMY, US
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[54] **MARQUEUR DE CARENCE DE RECOMBINISAION HOMOLOGUE, METHODE ET SYSTEME DE DETECTION**
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[72] SHAO, YANG, CN
[72] BAO, HUA, CN
[72] LIU, RUI, CN
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[54] **SYSTEME D'ESSAI DE SIMULATION DE FAILLE RADIALE POUR UN MATERIEL MECANIQUE ROTATIF**
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[72] WANG, ENZHONG, CN
[72] SU, LEI, CN
[72] FENG, ZHIGUO, CN
[72] RAN, YINKANG, CN
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[72] ZHU, XIANGYANG, CN
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[54] **SYSTEME DE RECYCLAGE DE PERMEAT DE MEMBRANE DESTINE A ETRE UTILISE AVEC UN APPAREIL D'ADSORPTION A PRESSION MODULEE**
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[72] PANDEY, GAUTAM, US
[72] WEGERER, DAVID A., US
[72] ELSEVIERS, WIM, US
[71] UOP LLC, US
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[71] YALE UNIVERSITY, US
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[72] SCRIBNER, DAVID M., US
[72] SOMA, SCOTT J., US
[72] ALSTON, ROBERT P., US
[72] FENIMORE, DAVID, US
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[71] CPC AG, CH
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[71] CRAYOLA LLC, US
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[54] **CONNEXION A IDENTIFICATION RADIOFREQUENCE**
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[72] HAGEN, KRISTIAN JAMES, US
[72] CAROLL, JAMES E., US
[72] SAUSEN, KARI ANN, US
[71] OETIKER NY, INC., US
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[54] **SYSTEME ET PROCEDE D'ETALONNAGE D'ANTENNE D'EMISSION**
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[72] LAWS, STEPHEN, GB
[72] RAMSEY, WINSTON, GB
[71] AIRBUS DEFENCE AND SPACE LIMITED, GB
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[54] **PROCEDE DE PURIFICATION DE MATIERES PREMIERES BIOLOGIQUES**
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[54] **SYSTEMES ET PROCEDES D'ASPIRATION A MULTIPLES POMPES ET CAPTEUR DE PRESSION**
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[72] SORENSEN, GARY P., US
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[72] RICOTTI, VALERIA, GB
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[54] **DETERGENT-FREE SIMULTANEOUS MULTIOMICS SAMPLE PREPARATION METHOD USING NOVEL NEW VESICLE DESIGN**
[54] **PROCEDE DE PREPARATION D'ECHANTILLONS MULTIOMIQUES SIMULTANES SANS DETERGENT AU MOYEN D'UNE NOUVELLE CONCEPTION DE VESICULE INNOVANTE**
[72] ZOUGMAN, ALEXANDRE, GB
[72] WILSON, SANDRA, US
[72] WILSON, JOHN PAUL, US
[71] PROTIFI, LLC, US
[85] 2022-02-24
[86] 2020-08-31 (PCT/US2020/048840)
[87] (WO2021/042070)
[30] US (62/894,201) 2019-08-30

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[51] **Int.Cl. A61M 39/22 (2006.01) A61M 39/24 (2006.01)**
[25] EN
[54] **FLUID CHECK VALVE AND FLUIDIC SYSTEMS FOR GAS VENTING**
[54] **CLAPET DE NON-RETOUR DE FLUIDE ET SYSTEMES FLUIDIQUES POUR UNE EVACUATION DE GAZ**
[72] BEGUIN, STEVE MICHAEL, AU
[72] LUBANSKY, ALEXANDER SAMUEL, AU
[72] MIEGEL, JONATHON LUKE, AU
[72] STODDART, PAUL RANDALL, AU
[71] HAEMOGRAPH PTY LTD, AU
[85] 2022-02-24
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[87] (WO2021/035305)
[30] AU (2019903149) 2019-08-28

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[51] **Int.Cl. B29C 70/86 (2006.01) B29D 99/00 (2010.01) F16C 7/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A POSITIVE-LOCKING LOAD APPLICATION FOR A TENSION-COMPRESSION ROD AND A TENSION-COMPRESSION ROD**
[54] **PROCEDE DE PRODUCTION D'UNE APPLICATION DE CHARGE A VERROUILLAGE POSITIF POUR UNE TIGE DE TENSION-COMPRESSION ET TIGE DE COMPRESSION-COMPRESSION**
[72] FUNCK, RALPH, DE
[72] WELSCH, MARTIN, DE
[71] ALBANY ENGINEERED COMPOSITES, INC., US
[85] 2022-02-24
[86] 2020-09-04 (PCT/US2020/049343)
[87] (WO2021/046310)
[30] DE (10 2019 006 280.9) 2019-09-05

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[51] **Int.Cl. B06B 1/06 (2006.01) G01H 3/00 (2006.01) G01H 11/08 (2006.01) G01N 29/02 (2006.01) G01N 29/24 (2006.01) G01N 29/34 (2006.01) G01N 29/44 (2006.01)**
[25] EN
[54] **DEVICES FOR ANALYSIS OF A FLUID**
[54] **DISPOSITIFS D'ANALYSE D'UN FLUIDE**
[72] GYDE, DWAYNE MARK, NZ
[72] HARRIS, PAUL DAVID, NZ
[72] ORCHARD, ROBERT GRAHAM, NZ
[72] WHETNALL, SAMUEL JAMES, NZ
[71] SCR ENGINEERS LIMITED, IL
[85] 2022-02-24
[86] 2020-08-28 (PCT/NZ2020/050095)
[87] (WO2021/040540)
[30] NZ (756776) 2019-08-28

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUGMENTED REALITY VISUALIZATION OF BENIGN PAROXYSMAL POSITION VERTIGO (BPPV) DISORDER**
[54] **SYSTEME ET PROCEDE DE VISUALISATION DE REALITE AUGMENTEE DU TROUBLE DU VERTIGE POSITIONNEL PAROXYSTIQUE BENIN (VPPB)**
[72] TEIXIDO, MICHAEL, US
[71] TEIXIDO, MICHAEL, US
[85] 2022-02-24
[86] 2020-08-27 (PCT/US2020/048141)
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[30] US (62/892,066) 2019-08-27

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[51] **Int.Cl. F24H 3/00 (2006.01) F24D 13/02 (2006.01) F24D 19/06 (2006.01) F24H 9/02 (2006.01) F24H 9/14 (2006.01)**
[25] FR
[54] **ELECTRIC RADIATOR COMPRISING A THERMAL PROTECTION SHIELD BETWEEN THE HEATING MEMBER AND A REMOVABLE ELECTRICAL ENERGY STORAGE DEVICE**
[54] **RADIATEUR ELECTRIQUE COMPRENANT UN BOUCLIER DE PROTECTION THERMIQUE ENTRE L'ORGANE DE CHAUFFE ET UN DISPOSITIF DE STOCKAGE D'ENERGIE ELECTRIQUE AMOVIBLE**
[72] MOREAU, GILLES, FR
[72] CHATILLON, YOHANN, FR
[72] TANGHE, ADRIEN, FR
[71] LANCEY ENERGY STORAGE, FR
[85] 2022-02-24
[86] 2020-09-04 (PCT/FR2020/051536)
[87] (WO2021/044108)
[30] FR (FR1909799) 2019-09-05

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[51] **Int.Cl. C12N 15/09 (2006.01) C07C 69/38 (2006.01) C12N 9/16 (2006.01) C12N 15/52 (2006.01)**
[25] EN
[54] **RECOMBINANT HOST CELLS FOR THE PRODUCTION OF MALONATE**
[54] **CELLULES HOTES RECOMBINEES POUR LA PRODUCTION DE MALONATE**
[72] DIETRICH, JEFFREY, US
[72] CONLEY, ANDREW, US
[72] CARLE, CHRISTINE, US
[72] MIH, NATHAN, US
[72] CHEN, CHANG-TING, US
[72] DESAI, SHUCHI, US
[72] GOH, EE-BEEN, US
[72] TENG, POH, US
[71] LYGOS, INC., US
[85] 2022-02-24
[86] 2020-08-31 (PCT/US2020/048820)
[87] (WO2021/042058)
[30] US (62/894,548) 2019-08-30

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[51] **Int.Cl. G06K 9/00 (2022.01) G06K 9/62 (2022.01)**
[25] EN
[54] **ARTICLE IDENTIFICATION AND TRACKING**
[54] **IDENTIFICATION ET SUIVI D'ARTICLE**
[72] RYAN, SID, CA
[71] SITA INFORMATION NETWORKING COMPUTING UK LIMITED, GB
[85] 2022-02-24
[86] 2020-08-25 (PCT/GB2020/052037)
[87] (WO2021/038218)
[30] GB (1912428.8) 2019-08-29
[30] GB (1918893.7) 2019-12-19
[30] EP (20166042.0) 2020-03-26

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[51] **Int.Cl. E04C 2/288 (2006.01)**
[25] EN
[54] **AN INSULATED MODULAR BRICK SYSTEM AND METHODS**
[54] **SYSTEME DE BRIQUE MODULAIRE ISOLE ET PROCEDES**
[72] OLIVER, COLIN RICHARD, US
[71] CSR PRODUCTS LLC, US
[85] 2022-02-24
[86] 2020-08-28 (PCT/US2020/048545)
[87] (WO2021/041910)
[30] US (62/893,400) 2019-08-29

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[51] **Int.Cl. B01L 3/00 (2006.01)**
[25] EN
[54] **PLASTIC JACKET FOR VIAL LABELING SYSTEMS**
[54] **COQUE EN PLASTIQUE POUR SYSTEMES D'ETIQUETAGE DE FLACONS**
[72] FLORES, STEPHEN, US
[72] KESSLER, PATRICIA M., US
[71] ALLOGENE THERAPEUTICS, INC., US
[85] 2022-02-24
[86] 2020-10-06 (PCT/US2020/054405)
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[51] **Int.Cl. G01N 1/10 (2006.01) C02F 1/00 (2006.01)**
[25] EN
[54] **WASTEWATER TREATMENT SAMPLING DEVICE**
[54] **DISPOSITIF D'ECHANTILLONNAGE DE TRAITEMENT D'EAUX USEES**
[72] BOUCHER, BENOIT, CA
[71] 11814192 CANADA INC., CA
[85] 2022-02-24
[86] 2020-04-30 (PCT/CA2020/050577)
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[30] US (62/895,842) 2019-09-04

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[51] **Int.Cl. F23L 7/00 (2006.01) F23C 7/00 (2006.01) F23L 15/04 (2006.01)**
[25] EN
[54] **FLAME CONTROL IN AN OXYFUEL COMBUSTION PROCESS**
[54] **REGLAGE DE FLAMME DANS UN PROCEDE DE COMBUSTION OXYCOMBUSTIBLE**
[72] FETVEDT, JEREMY ERON, US
[72] FORREST, BROCK ALAN, US
[72] MARTIN, SCOTT THOMAS, US
[72] LU, XIJIA, US
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2022-02-24
[86] 2020-08-26 (PCT/IB2020/057987)
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[51] **Int.Cl. E04B 9/18 (2006.01) F16B 5/06 (2006.01) F16L 3/22 (2006.01) H02G 7/00 (2006.01)**
[25] EN
[54] **SUSPENSION ASSEMBLY**
[54] **ENSEMBLE DE SUSPENSION**
[72] DAVIS, SIMON, GB
[72] SUNDERLAND, OLIVER, GB
[71] GRIPPLE LIMITED, GB
[85] 2022-02-24
[86] 2020-08-24 (PCT/IB2020/057893)
[87] (WO2021/048666)
[30] GB (1912932.9) 2019-09-09
[30] GB (2011165.4) 2020-07-20
[30] GB (2013103.3) 2020-08-21

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[51] **Int.Cl. A24F 42/20 (2020.01) A24F 42/60 (2020.01)**
[25] EN
[54] **DUAL-CHAMBER AEROSOL DISPENSER**
[54] **GENERATEUR D'AEROSOL A DEUX CHAMBRES**
[72] HEJAZI, VAHID, US
[71] RAI STRATEGIC HOLDINGS, INC., US
[85] 2022-02-24
[86] 2020-08-27 (PCT/IB2020/058021)
[87] (WO2021/038493)
[30] US (62/893,339) 2019-08-29

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[51] **Int.Cl. A01D 41/14 (2006.01)**
[25] EN
[54] **MULTI-SEGMENT HEADER FOR AN AGRICULTURAL HARVESTER**
[54] **COLLECTEUR A SEGMENTS MULTIPLES POUR UNE MOISSONNEUSE AGRICOLE**
[72] FARLEY, HERBERT M., US
[72] TODDERUD, STEPHEN, US
[72] COOK, JOEL T., US
[72] CONWAY, CORY M., US
[71] CNH INDUSTRIAL AMERICA LLC, US
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[30] US (16/657,393) 2019-10-18

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[51] **Int.Cl. C08G 18/02 (2006.01) C08G 18/09 (2006.01) C08G 18/16 (2006.01) C08G 18/18 (2006.01)**
[25] EN
[54] **PHASE TRANSFER ACTIVE TRIMERIZATION CATALYST SALTS**
[54] **SELS DE CATALYSEUR DE TRIMERISATION ACTIF DE TRANSFERT DE PHASE**
[72] BURDENIUC, JUAN JESUS, US
[72] PANITZSCH, TORSTEN, DE
[72] KELLER, RENEE JO, US
[72] VANDERSANDE, DAVID, US
[71] EVONIK OPERATIONS GMBH, DE
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[87] (WO2021/043853)
[30] US (62/895,618) 2019-09-04

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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 9/00 (2006.01) A61K 9/50 (2006.01)**
[25] EN
[54] **OPHTHALMIC FORMULATIONS OF METHOTREXATE**
[54] **FORMULATIONS OPHTALMIQUES DE METHOTREXATE**
[72] ELIOTT, DEAN, US
[72] MACHATHA, STEPHEN GITU, US
[72] SARPOTDAR, PRAMOD, US
[72] STRYJEWSKI, TOMASZ, US
[71] ALDEYRA THERAPEUTICS, INC., US
[85] 2022-02-24
[86] 2020-09-11 (PCT/US2020/050565)
[87] (WO2021/051003)
[30] US (62/900,060) 2019-09-13
[30] US (63/044,288) 2020-06-25

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[13] A1
[51] **Int.Cl. A61J 1/10 (2006.01) A61J 1/14 (2006.01) A61J 1/20 (2006.01)**
[25] EN
[54] **MEDICAL DEVICES FOR CONTINUOUS DELIVERY OF THERAPEUTIC AGENTS**
[54] **DISPOSITIFS MEDICAUX POUR L'ADMINISTRATION CONTINUE D'AGENTS THERAPEUTIQUES**
[72] BREWER, ERIK, US
[72] LOWMAN, ANTHONY M., US
[72] MI, ZAICHUAN, US
[72] JACKSON, EDWIN K., US
[71] FORMAN, MERVYN B., US
[71] BREWER, ERIK, US
[71] LOWMAN, ANTHONY M., US
[71] MI, ZAICHUAN, US
[71] JACKSON, EDWIN K., US
[85] 2022-02-24
[86] 2020-08-26 (PCT/US2020/047942)
[87] (WO2021/041505)
[30] US (62/891,829) 2019-08-26

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[51] **Int.Cl. A61B 17/00 (2006.01) A61B 17/08 (2006.01)**
[25] EN
[54] **MEDICAL APPARATUS AND METHOD FOR CLOSING AN APERTURE IN A TISSUE**
[54] **APPAREIL MEDICAL, APPAREIL ET PROCEDE PERMETTANT DE FORMER UNE OUVERTURE DANS UN TISSU**
[72] GOETZ, WOLFGANG, DE
[72] BARNES, TERRENCE G., DE
[71] VENOCK MEDICAL GMBH, DE
[85] 2022-02-24
[86] 2020-08-26 (PCT/EP2020/073907)
[87] (WO2021/037943)
[30] EP (19193644.2) 2019-08-26
[30] EP (20170612.4) 2020-04-21

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[51] **Int.Cl. E21B 19/02 (2006.01) E21B 19/06 (2006.01) E21B 19/07 (2006.01) E21B 19/08 (2006.01) E21B 19/086 (2006.01) E21B 19/10 (2006.01)**
[25] EN
[54] **ROD JACK APPARATUS**
[54] **APPAREIL DE VERIN A TIGE**
[72] GORDEY, KEN, CA
[72] ZIEGLER, MARK, US
[72] FOSTER, ROB, CA
[72] SEIFERT, JAROD JAMES, US
[72] MERCIER, REAL, US
[72] KIRKHAMMER, KENT, US
[71] NEWKOTA SERVICES AND RENTALS, LLC, US
[85] 2022-02-24
[86] 2021-07-05 (PCT/US2021/040396)
[87] (WO2022/039845)
[30] US (16/997,548) 2020-08-19

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[51] **Int.Cl. A61K 31/352 (2006.01) A23C 21/08 (2006.01) A61K 36/185 (2006.01) A61K 38/01 (2006.01)**
[25] EN
[54] **PROTEIN BASED CANNABIS COMPOSITIONS**
[54] **COMPOSITIONS DE CANNABIS A BASE DE PROTEINES**
[72] LECHT, SHIMON, IL
[72] GABAY, OLGA, IL
[72] LAHIANI HAFZADI, ADI, IL
[72] LEVINE, WILLIAM Z., IL
[71] IZUN PHARMACEUTICAL CORP., US
[85] 2022-02-25
[86] 2020-08-26 (PCT/IL2020/050930)
[87] (WO2021/038563)
[30] US (62/893,201) 2019-08-29

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[51] **Int.Cl. C10G 45/00 (2006.01) C07C 6/04 (2006.01) C07C 45/00 (2006.01) C07C 67/03 (2006.01) C10G 3/00 (2006.01) C10M 101/00 (2006.01) C10M 177/00 (2006.01)**
[25] EN
[54] **RENEWABLE BASE OIL PRODUCTION ENGAGING METATHESIS**
[54] **METATHESE IMPLIQUANT LA PRODUCTION D'HUILE DE BASE RENOUVELABLE**
[72] MYLLYOJA, JUKKA, FI
[72] HIETALA, JUKKA, FI
[71] NESTE OYJ, FI
[85] 2022-02-25
[86] 2020-09-25 (PCT/FI2020/050630)
[87] (WO2021/058875)
[30] FI (20195823) 2019-09-26

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[13] A1
[51] **Int.Cl. C07C 67/03 (2006.01) C07C 6/04 (2006.01) C07C 11/02 (2006.01) C07C 45/00 (2006.01) C10G 3/00 (2006.01) C10G 7/00 (2006.01) C10G 45/58 (2006.01) C10M 101/00 (2006.01) C10M 177/00 (2006.01)**
[25] EN
[54] **RENEWABLE ALKENE PRODUCTION ENGAGING METATHESIS**
[54] **PRODUCTION D'ALCENE RENOUVELABLE IMPLIQUANT UNE METATHESE**
[72] HIETALA, JUKKA, FI
[72] LEMINEN, ANJA, FI
[72] RAMO, VIRPI, FI
[72] RASANEN, JUKKA, FI
[71] NESTE OYJ, FI
[85] 2022-02-25
[86] 2020-09-25 (PCT/FI2020/050631)
[87] (WO2021/058876)
[30] FI (20195820) 2019-09-26

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[51] **Int.Cl. C07C 6/04 (2006.01) C07C 11/02 (2006.01) C07C 67/333 (2006.01) C07C 69/533 (2006.01) C12P 7/64 (2022.01)**
[25] EN
[54] **RENEWABLE CHEMICAL PRODUCTION ENGAGING METATHESIS AND MICROBIAL OXIDATION**
[54] **PRODUCTION CHIMIQUE RENOUVELABLE IMPLIQUANT UNE METATHESE ET UNE OXYDATION MICROBIENNE**
[72] HIETALA, JUKKA, FI
[72] RASANEN, JUKKA, FI
[72] LEMINEN, ANJA, FI
[72] RAMO, VIRPI, FI
[71] NESTE OYJ, FI
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[86] 2020-09-25 (PCT/FI2020/050632)
[87] (WO2021/058877)
[30] FI (20195822) 2019-09-26

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[51] **Int.Cl. B65D 71/18 (2006.01)**
[25] EN
[54] **ARTICLE CARRIER AND BLANK THERFOR**
[54] **SUPPORT D'ARTICLES ET EBAUCHE ASSOCIEE**
[72] DEMANGE, ARNAUD, DE
[72] MERREYWETHER, RICHARD C., GB
[72] MERZEAU, JULIEN D., FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2022-02-25
[86] 2020-07-16 (PCT/US2020/042213)
[87] (WO2021/040901)
[30] US (62/891,608) 2019-08-26

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[13] A1
[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/40 (2018.01) G16H 40/63 (2018.01)**
[25] EN
[54] **MEDICAL DEVICE ADAPTIVE CONTROL FOR HOSTILE ENVIRONMENT**
[54] **COMMANDE ADAPTATIVE DE DISPOSITIF MEDICAL POUR ENVIRONNEMENT HOSTILE**
[72] DAVE, JAY, US
[72] NESTERENKO, IGOR, US
[71] CAREFUSION 303, INC., US
[85] 2022-02-25
[86] 2020-08-25 (PCT/US2020/047839)
[87] (WO2021/041437)
[30] US (62/891,869) 2019-08-26

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **NUCLEIC ACIDS FOR INHIBITING EXPRESSION OF C3 IN A CELL**
[54] **ACIDES NUCLEIQUES PERMETTANT D'INHIBER L'EXPRESSION DE C3 DANS UNE CELLULE**
[72] AUMILLER, VERENA, DE
[72] BETHGE, LUCAS, DE
[72] HAUPTMANN, JUDITH, DE
[72] WIKSTROM LINDHOLM, MARIE, SE
[72] WEINGARTNER, ADRIEN, DE
[71] SILENCE THERAPEUTICS GMBH, DE
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[86] 2020-08-26 (PCT/EP2020/073904)
[87] (WO2021/037941)
[30] EP (19193840.6) 2019-08-27
[30] EP (19219497.5) 2019-12-23
[30] EP (20176947.8) 2020-05-27

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[51] **Int.Cl. B65G 1/04 (2006.01)**
[25] EN
[54] **AN AUTOMATED STORAGE AND RETRIEVAL SYSTEM WITH A VEHICLE PEN**
[54] **SYSTEME DE STOCKAGE ET DE RECUPERATION AUTOMATISE AYANT UN ENCLOS DE VEHICULE**
[72] HEGGEBO, JORGEN DJUVE, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2022-02-25
[86] 2020-09-21 (PCT/EP2020/076301)
[87] (WO2021/058434)
[30] NO (20191158) 2019-09-25
[30] NO (20200762) 2020-06-30

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[51] **Int.Cl. G16H 40/20 (2018.01) G16H 40/40 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ENFORCING CLEANING OF A MEDICAL DEVICE**
[54] **SYSTEMES ET PROCEDES POUR EXECUTER LE NETTOYAGE D'UN DISPOSITIF MEDICAL**
[72] NESTERENKO, IGOR, US
[72] CHEN, EVAN, US
[72] DIGGETT, LISA, US
[72] REGEDANZ, ROBERT, US
[71] CAREFUSION 303, INC., US
[85] 2022-02-25
[86] 2020-08-25 (PCT/US2020/047838)
[87] (WO2021/041436)
[30] US (62/891,890) 2019-08-26

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[13] A1
[51] **Int.Cl. G01N 23/04 (2018.01) G01N 23/083 (2018.01) G06N 3/02 (2006.01)**
[25] EN
[54] **PROBABILISTIC IMAGE ANALYSIS**
[54] **ANALYSE PROBABILISTE D'IMAGES**
[72] MANALAD, JAMES, CA
[72] DESJEANS-GAUTHIER, PHILIPPE, CA
[72] ARCHAMBAULT, SIMON, CA
[72] AWAD, WILLIAM, CA
[72] BRILLON, FRANCOIS, CA
[71] VOTI INC., CA
[85] 2022-02-25
[86] 2020-09-15 (PCT/CA2020/051239)
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[30] US (62/900,713) 2019-09-16

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[51] **Int.Cl. A01G 9/16 (2006.01) A01G 13/02 (2006.01) A01G 13/04 (2006.01) A01H 1/02 (2006.01)**
[25] EN
[54] **PLANT POLLINATION CONTROL STRUCTURES**
[54] **STRUCTURES DE CONTROLE DE POLLINISATION DE PLANTES**
[72] CARTER, STUART, GB
[72] PALEY, DEREK, GB
[72] STOKES, ROLAND, GB
[72] SENIOR, HANNAH, GB
[72] TEMPLE, MAGGIE, GB
[71] PBS INTERNATIONAL LTD, GB
[85] 2022-02-25
[86] 2020-08-28 (PCT/GB2020/052072)
[87] (WO2021/038245)
[30] GB (1912432.0) 2019-08-29
[30] GB (2009135.1) 2020-06-16

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[51] **Int.Cl. A01G 31/04 (2006.01) A01G 31/06 (2006.01)**
[25] EN
[54] **GROW TOWER DRIVE MECHANISM FOR AGRICULTURE PRODUCTION SYSTEMS**
[54] **MECANISME D'ENTRAINEMENT DE TOUR DE CULTURE POUR SYSTEMES DE PRODUCTION AGRICOLES**
[72] ASPERGER, LUKE, US
[72] JENKINS, MERRITT JONATHAN, US
[72] FLYNN, MICHAEL PETER, US
[72] OLSON, ANNA, US
[72] MURRAY, KELLEN, US
[72] DUBEL, ANDREW, US
[72] MATERA, MATTHEW JAMES, US
[72] KARR, CHARLES DYLAN, US
[72] CUSON, MARK, US
[71] MJNN LLC, US
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[51] **Int.Cl. A61K 35/17 (2015.01) C07K 14/70 (2006.01)**
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[54] **SYNTHETIC CARS TO TREAT IL13R.ALPHA.2 POSITIVE HUMAN AND CANINE TUMORS**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES POUR TRAITER LES TUMEURS HUMAINES ET CANINES A IL13RA2 POSITIF**
[72] O'ROURKE, DONALD M., US
[72] YIN, YIBO, US
[72] JOHNSON, LAURA, US
[72] BINDER, ZEV, US
[72] THOKALA, RADHIKA, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[54] **SYSTEME D'ASSISTANCE A UNE ACTIVITE**
[72] COLACHIS, SAMUEL, US
[72] SHARMA, GAURAV, US
[72] DUNLAP, COLLIN, US
[71] BATTELLE MEMORIAL INSTITUTE, US
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[54] **COMPOSITIONS FOR SMALL MOLECULE THERAPEUTIC AGENT COMPOUNDS**
[54] **COMPOSITIONS POUR COMPOSES AGENTS THERAPEUTIQUES A PETITES MOLECULES**
[72] WATKINS, GREGORY A., US
[71] DELPOR, INC., US
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[25] EN
[54] **NOVEL SOLUBLE LIQUID COMPOSITIONS OF SAFLUFENACIL, METHOD OF PREPARATION AND USE THEREOF**
[54] **NOUVELLES COMPOSITIONS LIQUIDES SOLUBLES DE SAFLUFENACIL, SON PROCEDE DE PREPARATION ET SON UTILISATION**
[72] ZISERMAN, LIOR, IL
[72] MELIKER, DANIEL, IL
[72] NAHMOUD, SERGIO, IL
[71] ADAMA AGAN LTD., IL
[85] 2022-02-25
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[54] **REBOUNDING DEVICE FOR SPORTS BALL**
[54] **DISPOSITIF DE REBONDISSEMENT POUR BALLE DE SPORT**
[72] FEDON, SHANE, US
[72] FUCHS, DANIEL C., US
[72] HOFFMAN, EVAN J., US
[72] WESTPHAL, RYAN G., US
[71] IMPLUS FOOTCARE, LLC, US
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[54] **SYSTEMS AND METHODS FOR SELECTIVE RECOVERY OF METALS FROM ION EXCHANGE RESINS**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION SELECTIVE DE METAUX A PARTIR DE RESINES ECHANGEUSES D'IONS**
[72] SINCLAIR, LAURA KATHERINE, US
[72] FOX, ROBERT VINCENT, US
[72] MOSES, JOHN M., US
[72] SWEENEY, JESSICA LEE, US
[72] CASE, MARY ELLEN, US
[72] GONZALEZ, JUSTIN ERNESTO, US
[71] CF TECHNOLOGIES, INC., US
[71] BATTELLE ENERGY ALLIANCE, LLC, US
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[25] EN
[54] **METHOD, DEVICE AND APPARATUS FOR MEASURING SEGMENTAL MUSCLE VOLUME**
[54] **PROCEDE, DISPOSITIF ET APPAREIL DE MESURE DE LA MASSE MUSCULAIRE PAR SEGMENTATION**
[72] HOGREL, JEAN-YVES, FR
[72] BACHASSON, DAMIEN, FR
[71] ASSOCIATION INSTITUT DE MYOLOGIE, FR
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[54] **HBV VACCINES AND METHODS TREATING HBV**
[54] **VACCINS CONTRE LE VIRUS DE L'HEPATITE B ET METHODES DE TRAITEMENT DU VHB**
[72] BALSITIS, SCOTT J., US
[72] DAFFIS, STEPHANE, FR
[72] AHMADI-ERBER, SARAH M., AT
[72] SCHIPPERS, TIMO, AT
[72] SCHMIDT, SARAH, AT
[71] GILEAD SCIENCES, INC., US
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[51] **Int.Cl. C07F 15/00 (2006.01) A61K 31/282 (2006.01) A61P 31/04 (2006.01) A61P 31/20 (2006.01) A61P 35/00 (2006.01) G01N 23/20 (2018.01)**
[25] EN
[54] **CARBOPLATIN COMPLEX AND PHARMACEUTICAL PREPARATION THEREOF**
[54] **COMPLEXE DE CARBOPLATINE ET SA PREPARATION PHARMACEUTIQUE**
[72] ZHENG, JIANQIANG, CN
[71] ADVANCHL BIOTECHNOLOGY SERVICE CENTER (SHANGHAI), CN
[85] 2022-02-25
[86] 2020-08-26 (PCT/CN2020/111393)
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[51] **Int.Cl. C07C 311/21 (2006.01) C07C 311/29 (2006.01)**
[25] EN
[54] **HEAT SENSITIVE RECORDING MATERIAL WITH NON-PHENOLIC COLOR DEVELOPERS**
[54] **MATERIAU D'ENREGISTREMENT THERMOSENSIBLE AVEC REVELATEURS DE COULEUR NON PHENOLIQUES**
[72] KOCAK, ERKAN, US
[72] BACHMANN, FRANK, DE
[72] KULKARNI, PRITI, DE
[72] O'NEIL, ROBERT MONTGOMERY, DE
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., KY
[71] BASF SE, DE
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[51] **Int.Cl. G06N 3/04 (2006.01) G06N 3/063 (2006.01)**
[25] EN
[54] **METHOD FOR PROCESSING INPUT DATA**
[54] **PROCEDE DE TRAITEMENT DE DONNEES D'ENTREE**
[72] TRAXLER, JOHANNES, AT
[72] WUNDERLICH, ILKAY, DE
[72] SCHONFELD, SVEN, DE
[71] EYYES GMBH, AT
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[25] EN
[54] **ADHESIVE TAMPER EVIDENT LABEL**
[54] **ETIQUETTE ADHESIVE INVIOLABLE**
[72] MCDONAGH, GARETH JAMES, GB
[71] MCDONAGH, GARETH JAMES, GB
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[54] **CRYPTOANCHOR READER**
[54] **LECTEUR DE CRYPTOANCRE**
[72] CASTLE, SCOTT RICHARD, US
[72] DALAY, TRISTAN SANTOS, PH
[72] MUYSKENS, ROBERT HENRY, US
[72] NAVARRETE, NEILSON GUTAY, PH
[72] NYSTROM, BRANT DENNIS, US
[72] PANGBURN, THOMAS EUGENE, US
[72] RHODUS, SAMUEL LEO, US
[71] LEXMARK INTERNATIONAL, INC., US
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[51] **Int.Cl. H02J 7/00 (2006.01)**
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[54] **UAV AIRWAYS SYSTEMS AND APPARATUS**
[54] **SYSTEMES ET APPAREIL DE VOIES AERIENNES D'UAV**
[72] SYRACUSE, STEVEN J., US
[72] TILLMAN, CHAD D., US
[71] NXP AERONAUTICS RESEARCH, LLC, US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/048047)
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[30] US (62/891,963) 2019-08-26

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[51] **Int.Cl. A47G 9/10 (2006.01)**
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[54] **NECK PILLOW**
[54] **OREILLER CERVICAL**
[72] ISHIDA, YOSHINOBU, JP
[71] MOGU CO., LTD., JP
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[51] **Int.Cl. B64C 27/26 (2006.01)**
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[54] **LIFT ENHANCEMENT ASSEMBLY OF AN AERIAL VEHICLE WITH FIXED WINGS**
[54] **ENSEMBLE D'AMELIORATION DE PORTANCE D'UN VEHICULE AERIEN A VOILURE FIXE**
[72] S R, CHAKRAVARTHY, IN
[72] WALVEKAR, OMKAR NARENDRA, IN
[72] R, GOWDHAM, IN
[72] R, SREE RAGHAV, IN
[72] RAVICHANDRAN, RAMPRAKASH, IN
[71] UBIFLY TECHNOLOGIES PRIVATE LIMITED, IN
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[87] (WO2021/019556)
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[51] **Int.Cl. A61K 35/34 (2015.01)**
[25] EN
[54] **XENOGEN-FREE MESENCHYMAL STEM CELL COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE CELLULES SOUCHES MESENCHYMATEUSES EXEMPTES DE XENOGENE ET METHODES D'UTILISATION**
[72] WATTS, ASHLEE, US
[72] ROWLAND, AILEEN, US
[71] THE TEXAS A&M UNIVERSITY SYSTEM, US
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[51] **Int.Cl. G01S 5/02 (2010.01) G01S 5/14 (2006.01) G01S 5/18 (2006.01) G01S 5/30 (2006.01) G01S 11/10 (2006.01) G01S 11/14 (2006.01)**
[25] EN
[54] **POSITION DETERMINATION**
[54] **DETERMINATION DE POSITION**
[72] BOOIJ, WILFRED EDWIN, NO
[72] THIO, VINCENT MARTELLO KWIE HOE, NO
[71] FORKBEARD TECHNOLOGIES AS, NO
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[86] 2020-08-27 (PCT/GB2020/052049)
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[30] GB (1912412.2) 2019-08-29

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[51] **Int.Cl. C25B 1/04 (2021.01) C25B 15/02 (2021.01)**
[25] EN
[54] **ELECTROLYSIS SYSTEM AND METHOD**
[54] **PROCEDE ET SYSTEME D'ELECTROLYSE**
[72] CAMPEANU, RON, AU
[72] CAMPEANU, THOMAS, AU
[71] ENERGYNE PTY LTD, AU
[85] 2022-02-25
[86] 2020-08-28 (PCT/AU2020/050906)
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[51] **Int.Cl. G06T 7/00 (2017.01)**
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[54] **IMAGE ANALYSIS**
[54] **ANALYSE D'IMAGE**
[72] JIA, KAI, US
[72] XIONG, ZHIYAO, US
[72] CHOW, SIU FAI, US
[72] PHAN, RAYMOND, US
[72] LI, PANFENG, US
[72] CURRO, DOMENICO, US
[72] SHREE, ATULYA, US
[72] JIA, KAI, US
[72] XIONG, ZHIYAO, US
[72] CHOW, SIU FAI, US
[72] PHAN, RAYMOND, US
[72] LI, PANFENG, US
[72] CURRO, DOMENICO, US
[71] HOVER INC., US
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[86] 2020-08-27 (PCT/US2020/048263)
[87] (WO2021/041719)
[30] US (62/893,100) 2019-08-28
[30] US (62/940,135) 2019-11-25
[30] US (62/983,324) 2020-02-28
[30] US (63/070,165) 2020-08-25

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[51] **Int.Cl. A61B 5/103 (2006.01) G06T 7/38 (2017.01) A61B 6/00 (2006.01) A61N 5/00 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, AND APPARATUS FOR ASSESSING AN EFFECT OF A MEDICAL TREATMENT ON ORGAN FUNCTION**
[54] **PROCEDES, SYSTEMES ET APPAREIL POUR EVALUER UN EFFET D'UN TRAITEMENT MEDICAL SUR UNE FONCTION D'UN ORGANE**
[72] FOURAS, ANDREAS, AU
[71] 4DMEDICAL LIMITED, AU
[85] 2022-02-25
[86] 2020-08-27 (PCT/AU2020/050900)
[87] (WO2021/035304)
[30] US (62/892,485) 2019-08-27

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[54] **SYSTEM AND METHOD FOR RAPID GENETIC ALGORITHM - BASED PORTFOLIO GENERATION**
[54] **SYSTEME ET PROCEDE DE GENERATION RAPIDE DE PORTEFEUILLES BASEE SUR UN ALGORITHME GENETIQUE**
[72] ALIAGA-DIAZ, ROGER, US
[72] AHLUWALIA, HARSHDEEP, US
[72] RENZI-RICCI, GIULIO, US
[71] VANGUARD GROUP, US
[85] 2022-02-25
[86] 2020-08-26 (PCT/US2020/047939)
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[30] US (16/551,688) 2019-08-26

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[51] **Int.Cl. B01J 23/755 (2006.01) B01J 21/18 (2006.01) B01J 35/00 (2006.01) B01J 35/02 (2006.01) B01J 37/00 (2006.01) B01J 37/03 (2006.01) B01J 37/08 (2006.01) B01J 37/32 (2006.01) C07C 29/141 (2006.01) C07C 37/00 (2006.01) C07C 67/303 (2006.01) C07C 209/48 (2006.01) C07C 209/52 (2006.01)**
[25] EN
[54] **MATERIALS COMPRISING CARBON-EMBEDDED NICKEL NANOPARTICLES, PROCESSES FOR THEIR MANUFACTURE, AND USE AS HETEROGENEOUS CATALYSTS**
[54] **MATERIAUX COMPRENANT DES NANOPARTICULES DE NICKEL INCORPOREES AU CARBONE, LEURS PROCESSUS DE FABRICATION ET LEUR UTILISATION EN TANT QUE CATALYSEURS HETEROGENES**
[72] REINSDORF, ARNE, DE
[72] WOLF, DORIT, DE
[72] KADYROV, RENAT, DE
[72] CHAMSKI, SARAH, DE
[71] EVONIK OPERATIONS GMBH, DE
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[86] 2020-09-03 (PCT/EP2020/074536)
[87] (WO2021/043868)
[30] EP (19195503.8) 2019-09-05

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[51] **Int.Cl. A61K 39/00 (2006.01) A61K 45/06 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **REACTIVATING P53 MUTANTS FOR CANCER TREATMENT BY TARGETING PROLIDASE (PEPD)**
[54] **REACTIVATION DE MUTANTS P53 POUR LE TRAITEMENT DU CANCER PAR CIBLAGE DE LA PROLIDASE (PEPD)**
[72] ZHANG, YUESHENG, US
[72] LI, YUN, US
[72] YANG, LU, US
[71] HEALTH RESEARCH, INC., US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048547)
[87] (WO2021/041912)
[30] US (62/893,367) 2019-08-29

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[54] **PEPTIDE Q-ER**
[72] WENSVOORT, GERT, NL
[71] BIOTEMPT B.V., NL
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[87] (WO2021/040526)
[30] EP (19194645.8) 2019-08-30

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[51] **Int.Cl. G21D 5/06 (2006.01) B64G 1/40 (2006.01) G21D 5/02 (2006.01)**
[25] EN
[54] **ROBUST NUCLEAR PROPULSION FISSION REACTOR WITH TRI-PITCH PATTERNED CORE AND DRUM ABSORBERS**
[54] **REACTEUR NUCLEAIRE DE FISSION ROBUSTE POUR PROPULSION A COEUR A TROIS PITCH ET ABSORBEURS A TAMBOUR**
[72] GRAMLICH, CRAIG D., US
[72] FISHER, BENJAMIN D., US
[72] RUSSELL II, WILLIAM E., US
[71] BWXT ADVANCED TECHNOLOGIES LLC, US
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[86] 2020-08-25 (PCT/US2020/047722)
[87] (WO2021/071599)
[30] US (62/893,263) 2019-08-29
[30] US (16/999,244) 2020-08-21

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) C12N 15/12 (2006.01) C12N 15/13 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **CHIMERIC PROTEINS IN AUTOIMMUNITY**
[54] **PROTEINES CHIMERIQUES UTILES EN AUTO-IMMUNITE**
[72] SCHREIBER, TAYLOR, US
[72] FROMM, GEORGE, US
[72] DE SILVA, SURESH, US
[72] GONZALES, LOUIS, US
[71] SHATTUCK LABS, INC., US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048600)
[87] (WO2021/041958)
[30] US (62/894,481) 2019-08-30

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[51] **Int.Cl. A47L 9/16 (2006.01)**
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[54] **DEBRIS FIN FOR ROBOTIC CLEANER DUST CUP**
[54] **AILETTE A DEBRIS POUR BAC A POUSSIERE DE ROBOT NETTOYEUR**
[72] GILL, AARON, US
[72] KAMADA, ISAKU D., US
[72] KHAN, RAHAT, US
[72] SUBRAMANI, KARTHIKEYAN, US
[72] LIN, HONGBO, US
[71] SHARKNINJA OPERATING LLC, US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048513)
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[30] US (62/892,953) 2019-08-28
[30] US (63/013,188) 2020-04-21

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[51] **Int.Cl. C12N 5/074 (2010.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **MULTI-TARGETING EFFECTOR CELLS AND USE THEREOF**
[54] **CELLULES EFFECTRICES A CIBLAGE MULTIPLE ET LEUR UTILISATION**
[72] VALMEHR, BAHRAM, US
[72] BJORDAHL, RYAN, US
[72] GOODRIDGE, JODE, US
[72] LEE, TOM TONG, US
[71] FATE THERAPEUTICS, INC., US
[85] 2022-02-25
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[87] (WO2021/062281)
[30] US (62/906,046) 2019-09-25
[30] US (62/944,187) 2019-12-05

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[54] **METHODS AND APPARATUS FOR DETERMINING DEVICE DOSAGE**
[54] **PROCEDES ET APPAREIL POUR DETERMINER UNE DOSE DE DISPOSITIF**
[72] ANDREWS, JEFFREY STERLING, US
[72] HE, XUANYAO, US
[72] XUE, JIE, US
[71] ELI LILLY AND COMPANY, US
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[54] **SCREENING METHOD, DEVICE, AND KIT FOR DETECTING MUCOSAL CARBOHYDRATES AND ASSOCIATED CONDITIONS**
[54] **PROCEDE, DISPOSITIF ET KIT DE CRIBLAGE POUR LA DETECTION DE GLUCIDES MUQUEUX ET D'ETATS ASSOCIES**
[72] SHAMSUDDIN, ABULKALAM MOHAMMED, US
[71] SHAMSUDDIN, ABULKALAM MOHAMMED, US
[85] 2022-02-25
[86] 2020-07-24 (PCT/US2020/043461)
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[25] EN
[54] **COMBINATIONS OF MEK INHIBITORS WITH CAP-DEPENDENT ENDONUCLEASE INHIBITORS**
[54] **COMBINAISONS D'INHIBITEURS DE MEK A DES INHIBITEURS D'ENDONUCLEASE CAP-DEPENDANTS**
[72] PLANZ, OLIVER, DE
[72] EWESS, HAZEM, DE
[71] ATRIVA THERAPEUTICS GMBH, DE
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[25] EN
[54] **SCREENING METHOD, DEVICE, AND KIT FOR DETECTING MUCOSAL CARBOHYDRATES AND ASSOCIATED CONDITIONS**
[54] **PROCEDE DE CRIBLAGE, DISPOSITIF ET KIT DE DETECTION DE GLUCIDES DE LA MUQUEUSE ET DE PATHOLOGIES ASSOCIES**
[72] SHAMSUDDIN, ABULKALAM MOHAMMED, US
[71] SHAMSUDDIN, ABULKALAM MOHAMMED, US
[85] 2022-02-25
[86] 2020-07-24 (PCT/US2020/043457)
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[54] **FUSED POLYPEPTIDE AND USE THEREOF**
[54] **POLYPEPTIDE DE FUSION ET SON UTILISATION**
[72] XU, HANMEI, CN
[71] NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD, CN
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[25] FR
[54] **ELECTRICALLY CONDUCTIVE NANOCOMPOSITE PARTICLES HAVING AN ALKYL POLYACRYLATE CORE AND A CONDUCTIVE POLYMER SHELL**
[54] **PARTICULES NANOCOMPOSITES ELECTRIQUEMENT CONDUCTRICES POSSEDANT UN COEUR DE POLYACRYLATE D'ALKYLE ET UNE ECORCE DE POLYMERE CONDUCTEUR**
[72] REYNAUD, STEPHANIE, FR
[72] MARCASUZAA, PIERRE, FR
[71] UNIVERSITE DE PAU ET DES PAYS DE L'ADOUR, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[25] EN
[54] **METHODS FOR PRODUCTION OF HUMAN RECOMBINANT ARGINASE 1 AND USES THEREOF**
[54] **PROCEDES DE PRODUCTION D'ARGINASE 1 DE RECOMBINAISON HUMAINE ET UTILISATIONS ASSOCIEES**
[72] ROWLINSON, SCOTT W., US
[71] AEGLEA BIOTHERAPEUTICS, INC., US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048536)
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[54] **METHODS OF INCREASING VACCINE EFFICACY**
[54] **PROCEDES D'AUGMENTATION DE L'EFFICACITE D'UN VACCIN**
[72] GUDKOV, ANDREI, US
[72] ANDRIANOVA, EKATERINA, US
[71] GENOME PROTECTION, INC., US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048425)
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[25] EN
[54] **SUBSTITUTED PYRIDOPYRIMIDINONYL COMPOUNDS USEFUL AS T CELL ACTIVATORS**
[54] **COMPOSES DE PYRIDOPYRIMIDINONYL SUBSTITUES UTILES EN TANT QU'ACTIVATEURS DE LYMPHOCYTES T**
[72] VELAPARTHI, UPENDER, US
[72] OLSON, RICHARD E., US
[72] DARNE, CHETAN PADMAKAR, US
[72] DASGUPTA, BIRESHWAR, US
[72] WARRIER, JAYAKUMAR SANKARA, IN
[72] RAHAMAN, HASIBUR, IN
[72] JALAGAM, PRASADA RAO, IN
[72] ROY, SAUMYA, IN
[72] GRUNENFELDER, DENISE C., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[25] EN
[54] **PALLET FORK AND CARRYING ROBOT**
[54] **FOURCHE DE PALETTE ET ROBOT DE TRANSPORT**
[72] ZHAN, QINGXIN, CN
[71] HAI ROBOTICS CO., LTD., CN
[85] 2022-02-25
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[54] **RECOMBINANT CHORIONIC GONADOTROPIN, PROCEDURE FOR PREPARATION, PHARMACEUTICAL COMPOSITIONS AND USES OF THE SAME**
[54] **GONADOTROPHINE CHORIONIQUE RECOMBINANTE, PROCEDE DE PREPARATION, COMPOSITIONS PHARMACEUTIQUES ET LEURS UTILISATIONS**
[72] PEREZ SAEZ, JUAN MANUEL, AR
[72] BUSSMANN, LEONARDO EDMUNDO, AR
[71] SYNTEX S.A., AR
[71] ABENTIN, ALEJANDRO DARIO, AR
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[25] EN
[54] **METHOD AND DEVICE FOR PRODUCING A RIGID-FOAM FILM**
[54] **METHODE ET DISPOSITIF POUR PRODUIRE UNE PELLICULE DE MOUSSE RIGIDE**
[72] RAKUTT, DIETMAR, CH
[72] GAUL, MARTIN, CH
[72] BURKARD, FRANZ, CH
[71] AIREX AG, CH
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[25] EN
[54] **NOVEL THERANOSTIC AGENTS FOR PSMA POSITIVE CANCERS**
[54] **NOUVEAUX AGENTS THERANOSTIQUES DESTINES AUX CANCERS POSITIFS AU PSMA**
[72] PILLARSETTY, NAGA VARA KISHORE, US
[72] KALIDINDI, TEJA MURALIDHAR, US
[72] LEE, SANG-GYU, US
[72] LARSON, STEVEN M., US
[72] LEWIS, JASON S., US
[72] LYASHCHENKO, SERGE, US
[72] BURNAZI, EVA, US
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US
[85] 2022-02-25
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[54] **UNIVERSAL GROUND-BASED REDUCED GRAVITY SYSTEM**
[54] **SYSTEME A GRAVITE REDUITE BASE AU SOL UNIVERSEL**
[72] PIZZICONI, VINCENT, US
[72] SEYEDMADANI, KIMIA, US
[71] ARIZONA BOARD OF REGENTS ON BEHALF OF ARIZONA STATE UNIVERSITY, US
[85] 2022-02-25
[86] 2020-08-28 (PCT/US2020/048444)
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[25] EN
[54] **SYSTEMS AND METHODS FOR ACCEPTANCE OF PAYMENTS TO A BUSINESS DEMAND DEPOSIT ACCOUNT**
[54] **SYSTEMES ET PROCEDES D'ACCEPTATION DE PAIEMENTS VERS UN COMPTE DE DEPOT A LA DEMANDE D'UNE ENTREPRISE**
[72] KAZA, SUMESH, US
[72] HELLMAN, TED, US
[72] KHAN, IQBAL M., US
[72] MIAH, MIZAN, US
[72] BANGA, JASBIR, US
[72] YODER, RYAN S., US
[72] MADDOX, JEFF, US
[71] JPMORGAN CHASE BANK, N.A., US
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[51] **Int.Cl. C12Q 1/6886 (2018.01)**
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[54] **CHARACTERIZING METHYLATED DNA, RNA, AND PROTEINS IN SUBJECTS SUSPECTED OF HAVING LUNG NEOPLASIA**
[54] **CARACTERISATION D'ADN ET D'ARN METHYLES ET DE PROTEINES CHEZ DES SUJETS SOUPCONNES D'AVOIR UNE NEOPLASIE PULMONAIRE**
[72] MORRIS, SCOTT, US
[72] MALLERY, DAVID, US
[72] ALLAWI, HATIM T., US
[72] LIDGARD, GRAHAM P., US
[72] GIAKOUMOPOULOS, MARIA, US
[72] KAISER, MICHAEL W., US
[72] AHLQUIST, DAVID A., US
[72] TAYLOR, WILLIAM R., US
[72] MAHONEY, DOUGLAS W., US
[71] EXACT SCIENCES CORPORATION, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[86] 2020-08-27 (PCT/US2020/048270)
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[54] **ALKYL QUARTERNARY AMMONIUM TRYPTAMINES AND THEIR THERAPEUTIC USES**
[54] **TRYPTAMINES D'AMMONIUM QUATERNAIRE D'ALKYLE ET LEURS UTILISATIONS THERAPEUTIQUES**
[72] CHADEAYNE, ANDREW R., US
[71] CAAMTECH, INC., US
[85] 2022-02-25
[86] 2020-08-25 (PCT/US2020/047791)
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[30] US (62/891,388) 2019-08-25
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[54] **POLYPEPTIDE AND USE THEREOF**
[54] **POLYPEPTIDE ET SON UTILISATION**
[72] XU, HANMEI, CN
[71] NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD, CN
[85] 2022-02-25
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[54] **INTRARUMINAL DEVICE**
[54] **DISPOSITIF INTRARUMINAL**
[72] MORROW, DESMOND IAN JOHN, NZ
[72] GILL, DAVID ANTHONY, NZ
[71] MORROW, DESMOND IAN JOHN, NZ
[71] GILL, DAVID ANTHONY, NZ
[85] 2022-02-25
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[25] EN
[54] **RECOMBINANT FUSED POLYPEPTIDE AND USE THEREOF**
[54] **POLYPEPTIDE DE FUSION DE RECOMBINAISON ET SON UTILISATION**
[72] XU, HANMEI, CN
[71] NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD, CN
[85] 2022-02-25
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[25] EN
[54] **FUSED POLYPEPTIDE WITH MULTIFUNCTIONAL ACTIVITIES AND USE THEREOF**
[54] **POLYPEPTIDE DE FUSION AYANT DES ACTIVITES MULTIFONCTIONNELLES ET SON UTILISATION**
[72] XU, HANMEI, CN
[71] NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD, CN
[85] 2022-02-25
[86] 2020-10-26 (PCT/CN2020/123553)
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[54] **TREATMENT UNIT AND SYSTEM**
[54] **UNITE ET SYSTEME DE TRAITEMENT**
[72] RAND, RYAN JAMES, CA
[71] PURE LIFE CARBON INC., CA
[85] 2022-02-25
[86] 2020-08-21 (PCT/CA2020/051140)
[87] (3149607)
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[25] EN
[54] **MEDICATION DELIVERY APPARATUS**
[54] **APPAREIL POUR L'ADMINISTRATION DE MEDICAMENTS**
[72] WAUGH, DONALD SPENCER, CA
[72] VAN OOYEN, WESLEY, CA
[72] CAMPBELL, SAMUEL, CA
[72] HORVATH, DYLAN, CA
[72] MAN, CHARLIE, CA
[72] DE GUZMAN, ART, CA
[72] VAN WYNGAARDEN, GERALD, CA
[72] CHYLINSKI, BORYS, CA
[71] ACEAGE INC., CA
[85] 2022-02-26
[86] 2020-10-27 (PCT/CA2020/051437)
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[25] EN
[54] **SYRINGE WITH DISPOSABLE BODY AND REUSABLE CAP ENABLING DOSE CAPTURE**
[54] **SERINGUE AVEC CORPS JETABLE ET CAPUCHON REUTILISABLE PERMETTANT LA CAPTURE DE DOSE**
[72] GYORY, J. RICHARD, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-02-28
[86] 2020-08-25 (PCT/US2020/047756)
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[54] **APPAREIL D'ESSAI MODULAIRE UNIVERSEL**
[72] HUNTER, CHRISTOPHER, US
[72] SHARMA, RUCHIKA, US
[72] MAHUNIK, WESLEY, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2022-02-28
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[30] US (62/901,122) 2019-09-16
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[54] **ANTICORPS SE LIANT A VISTA A UN PH ACIDE**
[72] SU, LIN HUI, US
[72] MUELLER, SABRINA, US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
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[30] US (62/902,741) 2019-09-19
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[54]
[72] OSATO, KEN, JP
[72] ISAJI, MIZUKI, JP
[72] TOMIKAWA, KOJI, JP
[71] FUJIKURA LTD., JP
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[54] **A SENSOR ARRAY FOR READING A MAGNETIC PUF**
[54] **RESEAU DE CAPTEURS POUR LA LECTURE D'UNE PUF MAGNETIQUE**
[72] ELLIS, JAMES HOWARD JR., US
[72] HARDIN, KEITH BRYAN, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2022-02-28
[86] 2020-09-04 (PCT/US2020/049418)
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[30] US (62/896,883) 2019-09-06
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[25] EN
[54] **OPTICAL FIBER ARRANGEMENT METHOD, OPTICAL FIBER FUSION SPLICING METHOD, METHOD FOR MANUFACTURING OPTICAL FIBER RIBBON WITH CONNECTOR, AND INTERMITTENTLY CONNECTED OPTICAL FIBER RIBBON**
[54] **PROCEDE D'AGENCEMENT DE FIBRES OPTIQUES, PROCEDE D'EPISSAGE DE FIBRES OPTIQUES, PROCEDE DE PRODUCTION POUR BANDE DE FIBRES OPTIQUES AVEC CONNECTEUR, ET BANDE DE FIBRES OPTIQUES CONNECTEE PAR INTERMITTENCE**
[72] KANEKO, SOICHIRO, JP
[72] TOMIKAWA, KOJI, JP
[72] OSATO, KEN, JP
[72] YAMASHITA, NORIAKI, JP
[71] FUJIKURA LTD., JP
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[25] EN
[54] **ARTIFICIAL INTELLIGENCE-BASED INJECTION MOLDING SYSTEM AND METHOD FOR GENERATING MOLDING CONDITION IN INJECTION MOLDING SYSTEM**
[54] **SYSTEME DE MOULAGE PAR INJECTION BASE SUR L'INTELLIGENCE ARTIFICIELLE ET PROCEDE DE GENERATION D'UNE CONDITION DE MOULAGE DANS UN SYSTEME DE MOULAGE PAR INJECTION**
[72] YU, HYEON JAE, KR
[72] PARK, KYONG HO, KR
[72] ANDREY, SALOV, KR
[72] LEE, SEUNG CHUL, KR
[72] LEE, CHI HUN, KR
[71] LS MTRON LTD., KR
[85] 2022-02-28
[86] 2020-09-08 (PCT/KR2020/012107)
[87] (WO2021/049848)
[30] KR (10-2019-0113137) 2019-09-11
[30] KR (10-2020-0105270) 2020-08-21

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[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/55 (2006.01) A61P 37/00 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSES INHIBITEURS DE RIP1 ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] CHEN, YAN, US
[72] YU, JIAXIN, US
[72] SHAW, SIMON, US
[72] DARWISH, IHAB, US
[72] TAYLOR, VANESSA, US
[72] BHAMIDIPATI, SOMASEKHAR, US
[72] LUO, ZHUSHOU, US
[72] KOLLURI, RAO, US
[71] RIGEL PHARMACEUTICALS, INC., US
[85] 2022-02-28
[86] 2020-09-04 (PCT/US2020/049527)
[87] (WO2021/046437)
[30] US (62/897,223) 2019-09-06
[30] US (62/932,404) 2019-11-07
[30] US (63/001,016) 2020-03-27
[30] US (63/004,290) 2020-04-02
[30] US (63/004,319) 2020-04-02

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[13] A1
[51] **Int.Cl. G01R 3/00 (2006.01) G01R 33/07 (2006.01)**
[25] EN
[54] **A SENSOR ARRAY FOR READING A MAGNETIC PUF**
[54] **RESEAU DE CAPTEURS POUR LA LECTURE D'UNE PUF MAGNETIQUE**
[72] ELLIS, JAMES HOWARD JR., US
[72] HARDIN, KEITH BRYAN, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2022-02-28
[86] 2020-09-04 (PCT/US2020/049411)
[87] (WO2021/046354)
[30] US (62/896,883) 2019-09-06
[30] US (17/012,474) 2020-09-04
[30] US (62/942,364) 2019-12-02

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[13] A1
[51] **Int.Cl. G01R 33/02 (2006.01) G01R 33/06 (2006.01) G01R 33/09 (2006.01) G06K 7/08 (2006.01)**
[25] EN
[54] **A SENSOR ARRAY FOR READING A MAGNETIC PUF**
[54] **RESEAU DE CAPTEURS POUR LA LECTURE D'UNE PUF MAGNETIQUE**
[72] ELLIS, JAMES HOWARD JR., US
[72] HARDIN, KEITH BRYAN, US
[71] LEXMARK INTERNATIONAL, INC., US
[85] 2022-02-28
[86] 2020-09-04 (PCT/US2020/049407)
[87] (WO2021/046351)
[30] US (62/896,883) 2019-09-06
[30] US (62/942,364) 2019-12-02
[30] US (17/012,456) 2020-09-04

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[13] A1
[51] **Int.Cl. G01M 13/00 (2019.01) G01F 1/00 (2022.01) G01L 1/02 (2006.01)**
[25] EN
[54] **AUTOMATED SPRAY NOZZLE TEST SYSTEM**
[54] **SYSTEME DE TEST AUTOMATISE DE BUSES DE PULVERISATION**
[72] GERMSCHEID, JAMES, US
[71] MICRO-TRAK SYSTEMS, INC., US
[85] 2022-02-28
[86] 2020-08-27 (PCT/US2020/048232)
[87] (WO2021/041701)
[30] US (62/893,973) 2019-08-30

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[13] A1
[51] **Int.Cl. H02J 7/14 (2006.01) B63C 11/00 (2006.01) H02P 9/04 (2006.01)**
[25] EN
[54] **ELECTRICITY SUPPLY SYSTEM AND METHOD AND CONTROLLER FOR CONTROLLING THE SAME**
[54] **SYSTEME D'ALIMENTATION ELECTRIQUE, SON PROCEDE DE COMMANDE, ET DISPOSITIF**
[72] HAYASHI, MASATO, JP
[72] OHNO, TATSUYA, JP
[72] ONODERA, TATSUYA, JP
[72] HINO, TAKENORI, JP
[72] KUJIME, YASUNORI, JP
[72] HARADA, YOSHITERU, JP
[72] EZAKI, HIDEAKI, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2022-02-28
[86] 2019-09-17 (PCT/JP2019/036416)
[87] (WO2021/053730)

[21] **3,149,734**
[13] A1
[51] **Int.Cl. F26B 11/00 (2006.01) F26B 23/00 (2006.01)**
[25] EN
[54] **ENERGY RECOVERY FROM CONTACT DRYERS**
[54] **RECUPERATION D'ENERGIE A PARTIR DE SECHOIRS A CONDUCTION**
[72] KIKSTRA, JAN FOEKE, NL
[72] KOOT, NORBERT, NL
[72] LIEFTING, THOMAS, NL
[71] CARGILL, INCORPORATED, US
[85] 2022-02-28
[86] 2020-08-31 (PCT/US2020/048680)
[87] (WO2021/042016)
[30] EP (19194697.9) 2019-08-30

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01)**
[25] EN
[54] **ANTISENSE OLIGONUCLEOTIDE THERAPY FOR CANCER**
[54] **THERAPIE PAR OLIGONUCLEOTIDES ANTISENS POUR LE CANCER**
[72] VEEDU, RAKESH NADUVILE, AU
[72] CHEN, SUXIANG, CN
[71] MURDOCH UNIVERSITY, AU
[85] 2022-02-28
[86] 2020-09-02 (PCT/AU2020/050919)
[87] (WO2021/042161)
[30] AU (2019903247) 2019-09-03

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[13] A1
[51] **Int.Cl. H02J 7/00 (2006.01) H02J 7/34 (2006.01)**
[25] EN
[54] **QUICK-CHARGING UNIT**
[54] **UNITE DE CHARGE RAPIDE**
[72] CHARLES, RIPPERT, ES
[71] CHARLES, RIPPERT, ES
[85] 2022-02-28
[86] 2020-08-20 (PCT/EP2020/073284)
[87] (WO2021/037649)
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[13] A1
[51] **Int.Cl. A61K 9/50 (2006.01) A61K 9/51 (2006.01) B01J 13/14 (2006.01)**
[25] EN
[54] **METHODS FOR PRODUCING HOLLOW CERAMIC SPHERES**
[54] **PROCEDES DE PRODUCTION DE SPHERES CREUSES EN CERAMIQUE**
[72] LYNCH, DAVID CHARLES, US
[71] PLASSEIN TECHNOLOGIES LTD. LLC, US
[85] 2022-02-28
[86] 2020-08-28 (PCT/US2020/048476)
[87] (WO2021/041860)
[30] US (62/892,619) 2019-08-28
[30] US (17/002,645) 2020-08-25

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[13] A1
[51] **Int.Cl. G06Q 10/06 (2012.01) G06Q 50/08 (2012.01)**
[25] EN
[54] **IMAGE-BASED PRODUCTIVITY TRACKING SYSTEM**
[54] **SYSTEME DE SUIVI DE PRODUCTIVITE BASE SUR DES IMAGES**
[72] SUBRAMANIAN, GAUTHAM, US
[71] CATERPILLAR INC., US
[85] 2022-02-28
[86] 2020-09-15 (PCT/US2020/050791)
[87] (WO2021/055301)
[30] US (16/571,996) 2019-09-16

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[13] A1
[51] **Int.Cl. B01D 11/04 (2006.01) C02F 1/26 (2006.01)**
[25] EN
[54] **CONDUIT CONTACTOR AND METHOD OF USING THE SAME**
[54] **CONTACTEUR DE CONDUIT ET PROCEDE D'UTILISATION DE CELUI-CI**
[72] DAVIS, SCOTT KEVIN, US
[72] MOORE, MATTHEW, US
[72] FUCHIGAMI, KEI, US
[72] LANIER, WILLIAM, US
[71] CHEMTOR, LP, US
[85] 2022-02-28
[86] 2019-09-12 (PCT/US2019/050795)
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[30] US (16/562,096) 2019-09-05

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[51] **Int.Cl. A61M 5/00 (2006.01) A61M 5/20 (2006.01) A61M 5/28 (2006.01) A61M 5/315 (2006.01) A61M 5/32 (2006.01) A61M 5/34 (2006.01) A61M 5/46 (2006.01)**
[25] EN
[54] **PEN NEEDLE WITH RETRACTABLE SHIELD**
[54] **STYLO INJECTEUR AVEC PROTECTION RETRACTABLE**
[72] POGANSKI, DAVID, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-02-28
[86] 2020-08-27 (PCT/US2020/048084)
[87] (WO2021/045950)
[30] US (62/896,860) 2019-09-06

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[13] A1
[51] **Int.Cl. C12Q 1/00 (2006.01) G01N 33/48 (2006.01) G01N 33/50 (2006.01) G01N 33/53 (2006.01) G01N 33/58 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **ALPHA-SYNUCLEIN DETECTION USING BEADS**
[54] **DETECTION D'ALPHA-SYNUCLEINE A L'AIDE DE BILLES**
[72] CONCHA, LUIS, US
[72] FARRIS, CARLY, US
[72] HOLGUIN, BRET, US
[72] LEBOVITZ, RUSSELL, US
[72] VOLLRATH, BENEDIKT, US
[72] ESPIN, FRANK G., US
[71] AMPRION, INC., US
[71] CONCHA, LUIS, US
[71] FARRIS, CARLY, US
[71] HOLGUIN, BRET, US
[71] LEBOVITZ, RUSSELL, US
[71] VOLLRATH, BENEDIKT, US
[71] ESPIN, FRANK G., US
[85] 2022-02-28
[86] 2020-09-03 (PCT/US2020/049130)
[87] (WO2021/046174)
[30] US (62/895,535) 2019-09-04
[30] US (63/073,424) 2020-09-01
[30] US (63/042,679) 2020-06-23
[30] US (63/073,420) 2020-09-01
[30] US (63/045,593) 2020-06-29
[30] US (63/040,144) 2020-06-17

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[51] **Int.Cl. B61K 9/02 (2006.01) B61K 9/08 (2006.01) B61L 15/00 (2006.01) B61L 23/04 (2006.01) B61L 25/02 (2006.01)**
[25] EN
[54] **RAIL BUCKLE DETECTION AND RISK PREDICTION**
[54] **DETECTION DE FLAMBAGE DE RAIL ET PREDICTION DE RISQUE**
[72] MILLER, MARC, US
[72] MOORE, CHAD A., US
[72] MIANZO, LAWRENCE A., US
[72] HOFFELDER, MIKE, US
[72] CANTRELL, DARRELL, US
[72] KOELZ, DERRILL J., US
[72] NADUKURU, NARAYANA G., US
[71] PROGRESS RAIL SERVICES CORPORATION, US
[85] 2022-02-28
[86] 2020-09-08 (PCT/US2020/049631)
[87] (WO2021/055181)
[30] US (16/574,446) 2019-09-18

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[13] A1
[51] **Int.Cl. F03H 1/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY CONDUCTIVE LIQUID PROPELLANT PULSED PLASMA THRUSTER**
[54] **PROPULSEUR PLASMIQUE PULSE A PROPERGOL LIQUIDE ELECTROCONDUCTEUR**
[72] MAYER, ALFONS ERNST HENDRIK JOHAN, NL
[72] WIELING, WOLTER PIETER WILHELMUS, NL
[72] HERMSEN, ROBERTUS JOHANNES GERHARDUS, NL
[71] NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO, NL
[85] 2022-02-28
[86] 2020-09-04 (PCT/NL2020/050548)
[87] (WO2021/045623)
[30] EP (19196003.8) 2019-09-06

[21] **3,149,749**
[13] A1
[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR PIPE**
[54] **RACCORD FILETE POUR TUYAU**
[72] MARUTA, SATOSHI, JP
[72] OKU, YOUSUKE, JP
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2022-02-28
[86] 2020-12-22 (PCT/JP2020/047836)
[87] (WO2021/145162)
[30] JP (2020-005811) 2020-01-17

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[13] A1
[51] **Int.Cl. A24F 40/40 (2020.01) A24F 40/51 (2020.01) A24F 40/10 (2020.01)**
[25] EN
[54] **ELECTRONIC ATOMIZING DEVICE AND ATOMIZER THEREOF**
[54] **DISPOSITIF D'ATOMISATION ELECTRONIQUE ET ATOMISEUR ASSOCIE**
[72] OU, GUOLIANG, CN
[71] SHENZHEN SMOORE TECHNOLOGY LIMITED, CN
[85] 2022-02-28
[86] 2020-06-09 (PCT/CN2020/095027)
[87] (WO2021/036401)
[30] CN (201921398720.2) 2019-08-26

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[13] A1
[51] **Int.Cl. C08L 75/00 (2006.01) C08G 18/10 (2006.01) C08J 9/12 (2006.01)**
[25] EN
[54] **ISOCYANATE-BASED FOAM AND PROCESS FOR PRODUCTION THEREOF**
[54] **MOUSSE A BASE D'ISOCYANATE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] ZHAO, WENWEI, CA
[72] SMEIANU, EUGEN, CA
[72] XIE, MIN, CA
[72] LEE, GERRY, CA
[71] PROPRIETECT L.P., CA
[85] 2022-02-28
[86] 2020-08-27 (PCT/CA2020/051165)
[87] (WO2021/035350)
[30] US (62/922,801) 2019-08-30

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[13] A1
[51] **Int.Cl. B61C 17/00 (2006.01) B61L 3/00 (2006.01) G05D 13/62 (2006.01)**
[25] EN
[54] **OVER-SPEED PROTECTION DEVICE**
[54] **DISPOSITIF DE PROTECTION CONTRE LA SURVITESSE**
[72] KANNER, ABE, CA
[72] KINIO, WALTER, CA
[72] ROCHEFORT, RUDY, CA
[72] WHITWAM, FIRTH, CA
[71] THALES CANADA INC., CA
[85] 2022-02-28
[86] 2020-09-10 (PCT/IB2020/058399)
[87] (WO2021/048772)
[30] US (62/899,438) 2019-09-12

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[13] A1
[51] **Int.Cl. F16L 55/00 (2006.01)**
[25] EN
[54] **METER TUBE ASSEMBLY**
[54] **ENSEMBLE TUBE DE DOSAGE**
[72] GERMSCHEID, JAMES, US
[71] MICRO-TRAK SYSTEMS, INC., US
[85] 2022-02-28
[86] 2020-08-27 (PCT/US2020/048222)
[87] (WO2021/041695)
[30] US (62/893,940) 2019-08-30

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[13] A1
[51] **Int.Cl. C07K 16/30 (2006.01) A61K 51/10 (2006.01)**
[25] EN
[54] **A SINGLE-DOMAIN ANTIBODY FOR TARGETING PROSTATE SPECIFIC MEMBRANE ANTIGEN (PSMA)**
[54] **ANTICORPS A DOMAINE UNIQUE POUR LE CIBLAGE D'UN ANTIGENE MEMBRANAIRE SPECIFIQUE DE LA PROSTATE (PSMA)**
[72] PAPO, NIV, IL
[72] ROSENFELD, LIOR, IL
[71] NATIONAL INSTITUTE FOR BIOTECHNOLOGY IN THE NEGEV LTD., IL
[85] 2022-02-28
[86] 2020-08-30 (PCT/IL2020/050940)
[87] (WO2021/038571)
[30] US (62/893,264) 2019-08-29

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 11/20 (2006.01)**
[25] EN
[54] **AUTOMATED MEDICAL IMAGE ANNOTATION AND ANALYSIS**
[54] **ANNOTATION ET ANALYSE AUTOMATISEES D'IMAGES MEDICALES**
[72] CARTER, CAMBRON NEIL, US
[72] PUTTASHAMACHAR, NANDAKISHORE, US
[72] ANNIGERI, ROHIT SANJAY, US
[72] TABAK, JOSHUA ALEXANDER, US
[72] SANT, NISHITA KAILASHNATH, US
[72] TANZ, OPHIR, US
[72] WILBERT, ADAM MICHAEL, US
[72] ALAMMAR, MUSTAFA, US
[71] PEARL INC., US
[85] 2022-02-28
[86] 2020-09-03 (PCT/US2020/049237)
[87] (WO2021/046241)
[30] US (16/562,285) 2019-09-05
[30] US (16/562,286) 2019-09-05

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[13] A1
[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR PIPE**
[54] **RACCORD A VIS POUR TUYAU**
[72] MARUTA, SATOSHI, JP
[72] OKU, YOUSUKE, JP
[72] MARTIN, PIERRE, FR
[72] DALY, DALY, FR
[71] NIPPON STEEL CORPORATION, JP
[71] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2022-02-28
[86] 2020-12-22 (PCT/JP2020/047837)
[87] (WO2021/145163)
[30] JP (2020-005809) 2020-01-17

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[13] A1
[51] **Int.Cl. D02G 3/44 (2006.01)**
[25] EN
[54] **FLAME-RESISTANT FABRIC**
[54] **TISSU IGNIFUGE**
[72] CHILD, ANDREW D., US
[72] BOYETTE, RACHEL W., US
[71] MILLIKEN & COMPANY, US
[85] 2022-02-28
[86] 2020-08-28 (PCT/US2020/048319)
[87] (WO2021/045962)
[30] US (62/895,732) 2019-09-04

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[13] A1
[51] **Int.Cl. A24F 42/20 (2020.01) A24F 42/60 (2020.01) A24F 47/00 (2020.01) A61M 11/00 (2006.01) A61M 15/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **INHALER ARTICLE WITH FOLDED DISTAL END**
[54] **ARTICLE D'INHALATEUR DOTE D'UN ELEMENT D'EXTREMITE DISTALE**
[72] CAMPITELLI, GENNARO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2022-02-28
[86] 2020-10-23 (PCT/IB2020/059990)
[87] (WO2021/079341)
[30] EP (19205453.4) 2019-10-25

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[13] A1
[51] **Int.Cl. A61J 1/05 (2006.01) A61J 3/00 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **CANNABINOID-CONTAINING ADDITIVE AND METHOD THEREFOR**
[54] **ADDITIF CONTENANT UN CANNABINOIDE ET SON PROCEDE**
[72] GOLDNER, STEPHEN, US
[72] KIRAKOSYAN, ARA, US
[71] PURE GREEN PHARMACEUTICALS, INC., US
[85] 2022-02-28
[86] 2020-09-04 (PCT/US2020/049326)
[87] (WO2021/046295)
[30] US (62/896,191) 2019-09-05

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[13] A1
[51] **Int.Cl. B63B 45/04 (2006.01)**
[25] EN
[54] **WATERCRAFT NAVIGATION LIGHT**
[54] **FEU DE NAVIGATION POUR EMBARCATION**
[72] POPA, NICHOLAS, US
[72] EBBENGA, MARK, US
[71] EBBENGA, MARK, US
[85] 2022-02-28
[86] 2020-08-28 (PCT/US2020/048562)
[87] (WO2021/041925)
[30] US (62/893,685) 2019-08-29

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[13] A1
[51] **Int.Cl. C07K 1/30 (2006.01) C07K 1/14 (2006.01) C07K 1/16 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR HIGH EFFICIENCY PROTEIN PRECIPITATION**
[54] **COMPOSITIONS ET PROCEDES DE PRECIPITATION DE PROTEINES A HAUT RENDEMENT**
[72] ZURLO, EUGENE, US
[72] CURTIN, DENNIS, US
[72] RADTKE, PETER, US
[72] BRILLHART, KURT L., US
[71] PLASMA TECHNOLOGIES, LLC, US
[85] 2022-02-28
[86] 2020-01-10 (PCT/US2020/012961)
[87] (WO2021/054998)
[30] US (62/903,644) 2019-09-20

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 47/68 (2017.01) A61K 31/5517 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **AMHRII-BINDING ANTIBODY DRUG CONJUGATES AND THEIR USE THEREOF IN THE TREATMENT OF CANCERS**
[54] **CONJUGUES ANTICORPS-MEDICAMENT LIANT L'AMHRII ET LEUR UTILISATION DANS LE TRAITEMENT DE CANCERS**
[72] D'HOOGE, FRANCOIS, DE
[72] BARRET, JEAN-MARC, FR
[72] PROST, JEAN-FRANCOIS, FR
[72] DUBREUIL, OLIVIER, FR
[72] LAHMAR, MEHDI, DE
[71] GAMAMABS PHARMA, FR
[85] 2022-02-28
[86] 2020-09-02 (PCT/EP2020/074505)
[87] (WO2021/043849)
[30] EP (19306066.2) 2019-09-03

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[13] A1
[51] **Int.Cl. G06F 3/00 (2006.01) G06F 7/00 (2006.01) G06K 9/62 (2022.01)**
[25] EN
[54] **METHODS FOR INDEXING AND RETRIEVING TEXT**
[54] **PROCEDES D'INDEXATION ET DE RECUPERATION DE TEXTE**
[72] SHOEIBI, LISA, US
[71] SHOEIBI, LISA, US
[85] 2022-02-28
[86] 2020-08-28 (PCT/US2020/048629)
[87] (WO2021/041983)
[30] US (62/894,386) 2019-08-30
[30] US (17/006,164) 2020-08-28

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[13] A1
[51] **Int.Cl. C07H 1/00 (2006.01) A61K 47/54 (2017.01) C07H 19/067 (2006.01) C07H 19/167 (2006.01) C07H 21/02 (2006.01)**
[25] EN
[54] **LIGAND-2'-MODIFIED NUCLEIC ACIDS, SYNTHESIS THEREOF AND INTERMEDIATE COMPOUNDS THEREOF**
[54] **ACIDES NUCLEIQUES MODIFIES PAR LIGAND-2', SYNTHESE DE CEUX-CI ET COMPOSES INTERMEDIAIRES DE CEUX-CI**
[72] WANG, WEIMIN, US
[72] NAZEF, NAIM, US
[71] DICERNA PHARMACEUTICALS, INC., US
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[54] **BRA, GARMENT AND METHOD**
[54] **SOUTIEN-GORGE, VETEMENT ET PROCEDE**
[72] HEPWORTH, ISABEL ROSE, GB
[71] PREVAYL INNOVATIONS LIMITED, GB
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[54] **COMPOSITIONS DE PROTEINES THERAPEUTIQUES ET PROCEDES CORRESPONDANTS**
[72] ZURLO, EUGENE, US
[72] CURTIN, DENNIS, US
[72] RADTKE, PETER, US
[72] BRILLHART, KURT L., US
[71] PLASMA TECHNOLOGIES, LLC, US
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[72] DARVISH, DANIEL, US
[71] DARVISH, DANIEL, US
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[54] **MULTI-NETWORK PLAYBACK DEVICES WITH NETWORK CONFIGURATION PARAMETER SHARING**
[54] **DISPOSITIFS DE LECTURE A RESEAUX MULTIPLES AVEC PARTAGE DE PARAMETRES DE CONFIGURATION DE RESEAU**
[72] SHOESMITH, WILLIAM, US
[72] YORE, JASON, US
[72] PETERS, JEFFREY M., US
[71] SONOS, INC., US
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[54] **PROJECTILE LAUNCHER COMPRISING A PLURALITY OF PULLEYS AND A DRAWSTRING**
[54] **LANCEUR DE PROJECTILES COMPRENANT UNE PLURALITE DE POULIES ET UN CORDON**
[72] TRPKOVSKI, PAUL, US
[71] RAVIN CROSSBOWS, LLC, US
[85] 2022-02-28
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[54] **METHOD AND APPARATUS FOR OBTAINING TRANSMITTER TEST PARAMETER, AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL POUR OBTENIR LE PARAMETRE DE TEST D'UN EMETTEUR, ET SUPPORT D'ENREGISTREMENT**
[72] ZHANG, KUO, CN
[72] ZHOU, LEI, CN
[72] LI, BORUI, CN
[72] LI, SHENGPING, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **ENGINE ASSEMBLY AND METHOD FOR CONTROLLING AN ENGINE**
[54] **ENSEMBLE MOTEUR ET PROCEDE DE COMMANDE DE MOTEUR**
[72] SCHUEHMACHER, BRUNO, CA
[72] CHAMPIGNY, LUC, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2022-02-28
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[54] **STABILISATEUR DE SOL**
[72] ALLEN, LOUIS, AU
[72] LEWER, SIMON, AU
[71] HALL RB PTY LTD, AU
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[25] EN
[54] **CRM197 PROTEIN EXPRESSION METHOD**
[54] **PROCEDE D'EXPRESSION DE PROTEINE CRM197**
[72] KIM, JEONG HYUN, KR
[72] KIM, HYUN-DO, KR
[72] PARK, EUN-HYE, KR
[72] KANG, JUNG HYUN, KR
[72] PAN, JAE GU, KR
[72] KIM, EUI JOONG, KR
[72] LEE, CHANKYU, KR
[72] PARK, MINCHUL, KR
[71] GENOFOCUS CO., LTD., KR
[71] EUBIOLOGICS.CO.,LTD, KR
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[54] **ENCODING AND DECODING METHOD, DEVICE AND APPARATUS**
[54] **PROCEDE, DISPOSITIF ET APPAREIL DE CODAGE ET DE DECODAGE**
[72] CHEN, FANGDONG, CN
[71] HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD., CN
[85] 2022-02-28
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[25] EN
[54] **COMBINATION OF ZIDOVUDINE AND FLUOROQUINOLONE ANTIBIOTIC**
[54] **ASSOCIATION DE ZIDOVUDINE ET D'UN ANTIBIOTIQUE FLUOROQUINOLONE**
[72] COATES, PROFESSOR ANTHONY, GB
[72] HU, YANMIN, GB
[71] HELPERBY THERAPEUTICS LIMITED, GB
[85] 2022-02-28
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[54] **POLYNUCLEOTIDE SYNTHESIS METHOD, KIT AND SYSTEM**
[54] **PROCEDE, KIT ET SYSTEME DE SYNTHESE DE POLYNUCLEOTIDES**
[72] MILTON, JOHN, GB
[72] NAYYAR, SOBIA, GB
[72] RIEDL, JAN, GB
[72] OGAKI, RYOSUKE, GB
[72] WILKINSON, MARC GEORGE, GB
[71] OXFORD NANOPORE TECHNOLOGIES PLC, GB
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[54] **INTEGRATED SYSTEMS OF A MODULAR SUPPORT SYSTEM**
[54] **SYSTEMES INTEGRES D'UN SYSTEME DE SUPPORT MODULAIRE**
[72] BISHOP, JUSTIN, US
[71] BISHOP ASCENDANT, INC., US
[85] 2022-02-28
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[54] **COMPOSITIONS AND METHODS FOR REMOVING DENTAL CALCULI**
[54] **COMPOSITIONS ET METHODES D'ELIMINATION DE TARTRE DENTAIRE**
[72] MYNARCIK, DENNIS C., US
[71] MYNARCIK, DENNIS C., US
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[54] **SYSTEMS AND METHODS FOR COORDINATION OF ASSET PROCUREMENT TRANSACTIONS**
[54] **SYSTEMES ET PROCEDES POUR LA COORDINATION DE TRANSACTIONS D'ACQUISITION D'ACTIFS**
[72] DAVIDSON, RYAN P., CA
[71] 12771888 CANADA INC., CA
[85] 2022-02-28
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[25] EN
[54] **INTERACTIVE PATH TRACING ON THE WEB**
[54] **TRACAGE DE CHEMIN INTERACTIF SUR LE WEB**
[72] CRANE, LUCAS, US
[72] AVILA, FRANCISCO, US
[72] TRIPATHI, ABHISHEK, US
[71] HOVER, INC., US
[85] 2022-03-01
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[30] US (62/913,663) 2019-10-10
[30] US (63/067,249) 2020-08-18
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[54] **REPRESSION DE PROMOTEUR**
[72] STREITNER, CORINNA, DE
[72] WELTMEIER, FRIDTJOF, DE
[71] KWS SAAT SE & CO. KGAA, DE
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[54] **FIBRE SPOOLING APPARATUS**
[54] **APPAREIL DE BOBINAGE DE FIBRES**
[72] PURKIS, DANIEL GEORGE, GB
[71] WELL-SENSE TECHNOLOGY LIMITED, GB
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[51] **Int.Cl. G01N 21/552 (2014.01) G01N 21/35 (2014.01) G01N 33/50 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **DISCERNING BRAIN CANCER TYPE**
[54] **DISCERNEMENT DU TYPE DE CANCER DU CERVEAU**
[72] BAKER, MATTHEW J, GB
[72] CAMERON, JAMES, GB
[71] DXCOVER LIMITED, GB
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[54] **NOVEL MOLECULES FOR DIAGNOSIS**
[54] **NOUVELLES MOLECULES DE DIAGNOSTIC**
[72] ADOLFSSON, OSKAR, CH
[72] PIORKOWSKA, KATARZYNA EWA, CH
[71] AC IMMUNE SA, CH
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[54] **SYSTEM AND METHOD OF PROVIDING A BLOCKCHAIN-BASED RECORDATION PROCESS**
[54] **SYSTEME ET PROCEDE DE FOURNITURE D'UN PROCESSUS D'ENREGISTREMENT BASE SUR UNE CHAINE DE BLOCS**
[72] INGARGIOLA, ROSARIO M., US
[71] BOSONIC, INC., US
[85] 2022-03-01
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[87] (WO2021/046494)
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[54] **METHODS AND COMPOSITIONS FOR PROTEIN AND PEPTIDE SEQUENCING**
[54] **PROCEDES ET COMPOSITIONS DE SEQUENCAGE DE PROTEINES ET PEPTIDES**
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[72] PAWLOSKY, ANNALISA MARIE, US
[72] CUTTS, ZACHARY, US
[72] HONG, JESSICA, US
[72] SHAO, SHIRLEY JING, US
[72] LE, ANNA, US
[72] WU, DIANA TERRI, US
[72] AHADI, SARA, US
[72] TRAN, ALEXANDER JULIAN, US
[72] BASHIR, ALI, US
[72] GIBBONS, MICHAEL, US
[72] CHAVARHA, MARIYA, US
[72] COSTA, EMMA KATHERINE, US
[72] JESS, PHILLIP, US
[72] CHURCH, VICTORIA A., US
[72] BERNDL, MARC, US
[72] CHEN, YE, US
[72] YANG, SAMUEL, US
[72] DIMON, MICHELLE THERESE HOERNER, US
[71] GOOGLE LLC, US
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[30] US (62/900,417) 2019-09-13
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[25] EN
[54] **MULTI-THREAT PROTECTION COMPOSITE COMPRISING AT LEAST ONE TEXTILE LAYER HAVING ON THE UPPER SURFACE THEREOF A NON-BLOCKING PRESSURE SENSITIVE ADHESIVE**
[54] **COMPOSITE DE PROTECTION CONTRE LES MENACES MULTIPLES COMPRENANT AU MOINS UNE COUCHE DE TEXTILE PRESENTANT SUR SA SURFACE SUPERIEURE UN AUTO-ADHESIF NON BLOQUANT**
[72] WANG, YUNZHANG, US
[71] MILLIKEN & COMPANY, US
[85] 2022-03-01
[86] 2020-09-10 (PCT/US2020/050190)
[87] (WO2021/050719)
[30] US (62/899,355) 2019-09-12
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[54] **VENTILATION LEAK COMPONENT**
[54] **ELEMENT DE FUITE DE VENTILATION**
[72] VARGA, CHRISTOPHER M., US
[72] WHITE, DENNIS, US
[72] DILLINGHAM, THOMAS, US
[71] VYAIRE MEDICAL, INC., US
[85] 2022-03-01
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[25] EN
[54] **MULTI-THREAT PROTECTION COMPOSITE COMPRISING AT LEAST TEN TEXTILE LAYERS HAVING ON THE UPPER SURFACE THEREOF A NON-BLOCKING PRESSURE SENSITIVE ADHESIVE**
[54] **COMPOSITE DE PROTECTION CONTRE DES MENACES MULTIPLES COMPRENANT AU MOINS DIX COUCHES TEXTILES AYANT SUR SA SURFACE SUPERIEURE UN ADHESIF AUTOCOLLANT NON BLOQUANT**
[72] WANG, YUNZHANG, US
[71] MILLIKEN & COMPANY, US
[85] 2022-03-01
[86] 2020-09-10 (PCT/US2020/050192)
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[30] US (62/899,366) 2019-09-12
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[25] EN
[54] **REDOX REACTION FACILITATED CARBON DIOXIDE CAPTURE FROM FLUE GAS AND CONVERSION TO CARBON MONOXIDE**
[54] **CAPTURE DE DIOXYDE DE CARBONE FACILITEE PAR UNE REACTION D'OXYDO-REDUCTION DANS UN GAZ DE COMBUSTION ET CONVERSION EN MONOXYDE DE CARBONE**
[72] FAN, LIANG-SHIH, US
[72] BASER, DEVEN, US
[72] SHAH, VEDANT, US
[72] CHENG, ZHUO, US
[71] OHIO STATE INNOVATION FOUNDATION, US
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[54] **ACTIVITY ASSISTANCE SYSTEM**
[54] **SYSTEME D'AIDE AUX ACTIVITES**
[72] COLACHIS, SAMUEL, US
[72] SHARMA, GAURAV, US
[72] DUNLAP, COLLIN, US
[72] BOYD, DOUGLAS, US
[72] BRANCH, JOSHUA, US
[71] BATTELLE MEMORIAL INSTITUE, US
[85] 2022-03-01
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[54] **METHODS FOR TRANSFORMATION OF DICOT PLANT CELLS**
[54] **PROCEDES DE TRANSFORMATION DE CELLULES VEGETALES DICOTYLEDONES**
[72] XU, JIANPING, CN
[72] LI, CHAO, CN
[72] WEN, QIN, CN
[71] SYNGENTA CROP PROTECTION AG, CH
[85] 2022-03-01
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[25] EN
[54] **HYDROXYALKYLAMIDE FUNCTIONALIZED ACRYLIC POLYMERS AND PROCESS FOR MANUFACTURING THEM**
[54] **POLYMERES ACRYLIQUES FONCTIONNALISES PAR HYDROXYALKYLAMIDE ET LEUR PROCEDE DE FABRICATION**
[72] MALACRIDA, STEFANO, IT
[71] POLIRESIN S.R.L., IT
[85] 2022-03-01
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[54] **OCULAR DEVICE AND DRUG DELIVERY SYSTEM, WITH CASE**
[54] **DISPOSITIF OCULAIRE ET SYSTEME D'ADMINISTRATION DE MEDICAMENT, AVEC BOITIER**
[72] LABOMBARD, DENIS E., US
[71] LABOMBARD, DENIS E., US
[85] 2022-03-01
[86] 2020-10-21 (PCT/US2020/056700)
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[54] **DIMERIC ANTIGEN RECEPTORS (DAR) THAT BIND BCMA**
[54] **RECEPTEURS ANTIGENIQUES DIMERES (DAR) QUI SE LIENT A BCMA**
[72] JI, HENRY HONGJUN, US
[72] GUO, WENZHONG, US
[72] ZHANG, YANLIANG, US
[72] DING, BEI BEI, US
[72] KAUFMANN, GUNNAR F., US
[71] SORRENTO THERAPEUTICS, INC., US
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[54] **ANTIBACTERIAL COMPOUNDS**
[54] **COMPOSES ANTIBACTERIENS**
[72] GUILLEMONT, JEROME EMILE GEORGES, FR
[72] MOTTE, MAGALI MADELEINE SIMONE, FR
[72] VILLELLAS ARILLA, MARIA CRISTINA, BE
[72] LAMMENS, GODELIEVE MARIA J, BE
[72] RENE, ADELINE JULIE DOMINIQUE MARIE, FR
[72] JEANTY, MATTHIEU LUDOVIC, FR
[72] LAMPRECHT, DIRK ANTONIE, BE
[71] JANSSEN SCIENCES IRELAND UNLIMITED COMPANY, IE
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[54] **METHODS OF TREATING KRAS MUTANT CANCERS**
[54] **METHODES DE TRAITEMENT DE CANCERS MUTANTS KRAS**
[72] SWEET-CORDERO, ERIC ALEJANDRO, US
[72] COCHRAN, JENNIFER R., US
[72] KIM, JUN WOO, US
[72] MARQUEZ, CESAR P., US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-03-01
[86] 2020-09-10 (PCT/US2020/050206)
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[30] US (62/898,249) 2019-09-10
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[54] **IMAGE PROCESSING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE TRAITEMENT D'IMAGE**
[72] TSUKUBA, TAKESHI, JP
[71] SONY CORPORATION, JP
[85] 2022-03-01
[86] 2020-09-04 (PCT/JP2020/033573)
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[54] **RAPID-ENTRY FOOTWEAR HAVING A POCKET FOR A COMPRESSED MEDIUM**
[54] **ARTICLE CHAUSSANT A ENFILAGE RAPIDE COMPORTANT UNE POCHE POUR UN MILIEU COMPRIME**
[72] CHENEY, CRAIG, US
[71] FAST IP, LLC, US
[85] 2022-03-01
[86] 2020-08-18 (PCT/US2020/046821)
[87] (WO2021/045902)
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[54] **METHOD FOR INDUCING TUMOR REGRESSION**
[54] **METHODE D'INDUCTION DE REGRESSION TUMORALE**
[72] CINCOTTA, ANTHONY H., US
[71] VEROSCIENCE LLC, US
[85] 2022-03-01
[86] 2020-09-23 (PCT/US2020/052278)
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[54] **HANG HARVESTING SYSTEM**
[54] **SYSTEME DE COLLECTE SUSPENDU**
[72] LARKINS, TODD CHANDLER, US
[71] DRIFLOWER, LLC, US
[85] 2022-03-01
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[54] **PROCESS FOR PREPARING ALUMINA**
[54] **PROCEDE DE PREPARATION D'ALUMINE**
[72] LAMACCHIA, ROBERT JOSEPH, AU
[72] BECKHAM, KEVIN RONALD, AU
[72] BARONI, TRAVIS, AU
[72] DYE, SHANNON TROY, AU
[71] ALCOA OF AUSTRALIA LIMITED, AU
[85] 2022-03-01
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[54] **RAPID-ENTRY FOOTWEAR HAVING AN ARM FOR EXPANDING AN OPENING**
[54] **CHAUSSURE A ENTREE RAPIDE AYANT UN BRAS POUR DILATER UNE OUVERTURE**
[72] CHENEY, CRAIG, US
[72] MUNGER, SETH, US
[71] FAST IP, LLC, US
[85] 2022-03-01
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[54] **SUBSTITUTED IMIDAZOQUINOXALINE COMPOUNDS AND USES THEREOF**
[54] **COMPOSES D'IMIDAZOQUINOXALINE SUBSTITUES ET LEURS UTILISATIONS**
[72] CAI, SUI XIONG, CN
[72] TIAN, YE EDWARD, CN
[72] WANG, XIAOZHU, CN
[71] IMPACT THERAPEUTICS (SHANGHAI), INC, CN
[85] 2022-03-01
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[54] **A METHOD AND SYSTEM FOR THE SECURE TRANSMISSION OF FUNDS**
[54] **PROCEDE ET SYSTEME DE TRANSMISSION SECURISEE DE FONDS**
[72] COOPER, JOSEPH GORDON, CA
[72] OGDEN, NICK, JE
[72] SMITH, ANDREW, GB
[71] RTGS LIMITED, GB
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[54] **PRE-THERAPEUTIC AND THERAPEUTIC DIGITAL MEDICAL DEVICE AND METHOD**
[54] **DISPOSITIF MEDICAL NUMERIQUE PRE-THERAPEUTIQUE ET THERAPEUTIQUE ET PROCEDE ASSOCIE**
[72] EICH, GEOFFREY S, US
[72] MCKINLEY, MICHAEL, US
[72] LIT, RICK, US
[72] MALECKI, MICHAEL, US
[72] ELFERS, MARK, US
[72] WHITTAKER, SADIE, US
[71] BLUE NOTE THERAPEUTICS, INC., US
[85] 2022-03-01
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[25] EN
[54] **QUICK CONNECT VEHICLE ATTACHMENT**
[54] **FIXATION POUR VEHICULE A RACCORD RAPIDE**
[72] MCKEIRNAN, ROBERT D., US
[72] BAGUMYAN, ARTHUR, US
[72] KEENAN, BRANDON, US
[71] STRATOS MECCANICA LLC, US
[85] 2022-03-01
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[54] **A DEVICE FOR REMOVING A WEAR MEMBER**
[54] **DISPOSITIF DE RETRAIT D'UN ELEMENT D'USURE**
[72] NIENABER, QUINTIN, AU
[72] ASHBY, IAN, AU
[72] VANDERSEE, DAVID, AU
[72] PLANT, BEN, AU
[71] CQMS PTY LTD, AU
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[54] **3,5-DISUBSTITUTED PYRAZOLE COMPOUNDS AS KINASE INHIBITORS AND USES THEREOF**
[54] **COMPOSES PYRAZOLE 3,5-DISUBSTITUES EN TANT QU'INHIBITEURS DE KINASE ET LEURS UTILISATIONS**
[72] CAI, SUI XIONG, CN
[72] TIAN, YE EDWARD, CN
[72] WANG, XIAOZHU, CN
[71] IMPACT THERAPEUTICS (SHANGHAI), INC, CN
[85] 2022-03-01
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[54] **ALLOGENEIC CELL COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE CELLULES ALLOGENIQUES ET PROCEDES D'UTILISATION**
[72] OSTERTAG, ERIC M., US
[72] SHEDLOCK, DEVON, US
[71] POSEIDA THERAPEUTICS, INC., US
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[86] 2020-09-03 (PCT/US2020/049262)
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[54] **LIQUEFIED GAS UNLOADING AND DEEP EVACUATION SYSTEM**
[54] **SYSTEME DE DECHARGEMENT DE GAZ LIQUEFIE ET D'EVACUATION EN PROFONDEUR**
[72] WALLACE, BLAKE, US
[72] TAYLOR, JAY, US
[71] ADVANCED FLOW SOLUTIONS, INC., US
[85] 2022-03-01
[86] 2020-08-18 (PCT/US2020/046768)
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[54] **5G-ENABLED INTEGRATED ROOFING ACCESSORY AND METHODS OF USE THEREOF**
[54] **ACCESSOIRE DE TOITURE INTEGRE COMPATIBLE 5G ET SES PROCEDES D'UTILISATION**
[72] ROBINSON, RICH, US
[72] RILEY, XAVIER, US
[71] BMIC LLC, US
[85] 2022-03-01
[86] 2020-09-04 (PCT/US2020/049568)
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[30] US (62/895,855) 2019-09-04

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[25] EN
[54] **MACHINE LEARNING SYSTEM FOR SUMMARIZING TAX DOCUMENTS WITH NON-STRUCTURED PORTIONS**
[54] **SYSTEME D'APPRENTISSAGE AUTOMATIQUE POUR RESUMER DES DOCUMENTS FISCAUX AYANT DES PORTIONS NON STRUCTUREES**
[72] HURD, GERALYN R., US
[72] JONES, NATHANIEL J., US
[72] MOMENI, CAMRON, US
[72] BASS, JUSTIN A., US
[71] CROWE LLP, US
[85] 2022-03-01
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[30] US (16/571,775) 2019-09-16

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[54] **GAS ISOLATED STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE ISOLE AU GAZ**
[72] FJELDHEIM, IVAR, NO
[72] AUSTRHEIM, TROND, NO
[71] AUTOSTORE TECHNOLOGY AS, NO
[85] 2022-03-01
[86] 2020-08-25 (PCT/EP2020/073750)
[87] (WO2021/058218)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR GENOMIC INTEGRATION**
[54] **METHODES ET COMPOSITIONS D'INTEGRATION GENOMIQUE**
[72] GETTS, DANIEL, US
[72] WANG, YUXIAO, US
[72] BISARIA, NAMITA, US
[71] MYELOID THERAPEUTICS, INC., US
[85] 2022-03-01
[86] 2020-09-03 (PCT/US2020/049240)
[87] (WO2021/046243)
[30] US (62/895,441) 2019-09-03
[30] US (62/908,800) 2019-10-01
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[54] **OXYTOCIN ANTAGONIST DOSING REGIMENS FOR PROMOTING EMBRYO IMPLANTATION AND PREVENTING MISCARRIAGE**
[54] **REGIMES POSOLOGIQUES D'ANTAGONISTES DE L'OCYTOCINE POUR FAVORISER L'IMPLANTATION D'EMBRYONS ET PREVENIR LES FAUSSES COUCHES**
[72] LOUMAYE, ERNEST, CH
[72] POHL, OLIVER, CH
[72] GOTTELAND, JEAN PIERRE, CH
[71] OBSEVA S.A., CH
[85] 2022-03-01
[86] 2020-08-31 (PCT/EP2020/074245)
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[30] US (62/895,262) 2019-09-03
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[25] EN
[54] **AMBULATORY PROTECTIVE DEVICE WITH REMOVABLE ORTHOSES**
[54] **DISPOSITIF DE PROTECTION AMBULATOIRE DOTE D'ORTHESES AMOVIBLES**
[72] HANFT, JASON R., US
[71] LEG DEFENDER, LLC, US
[85] 2022-03-03
[86] 2019-09-20 (PCT/US2019/052157)
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[51] **Int.Cl. F25D 29/00 (2006.01)**
[25] EN
[54] **THERMAL MONITORING SYSTEM FOR TEMPERATURE-SENSITIVE STORAGE CONTAINERS**
[54] **SYSTEME DE SURVEILLANCE THERMIQUE POUR RECIPIENTS DE STOCKAGE SENSIBLES A LA TEMPERATURE**
[72] ELLIOTT, THOMAS, US
[71] CRYO SENTINEL LLC, US
[85] 2022-03-04
[86] 2020-09-10 (PCT/US2020/050044)
[87] (WO2021/050624)
[30] US (62/898,176) 2019-09-10
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[51] **Int.Cl. C08B 37/00 (2006.01) C08B 37/08 (2006.01) C08L 5/08 (2006.01)**
[25] EN
[54] **PROCESS FOR EXTRACTING AND PURIFYING CHITIN BY USING GREEN SOLVENTS**
[54] **PROCEDE D'EXTRACTION ET DE PURIFICATION DE CHITINE A L'AIDE DE SOLVANTS VERTS**
[72] MELE, ANDREA, IT
[72] FERRO, MONICA, IT
[72] COLOMBO DUGONI, GRETA, IT
[71] POLITECNICO DI MILANO, IT
[85] 2022-03-08
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[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/315 (2006.01) A61M 5/50 (2006.01)**
[25] EN
[54] **INJECTION END POINT SIGNALLING ASSEMBLY FOR PRE-FILLED SYRINGES**
[54] **ENSEMBLE DE SIGNALISATION DE POINT D'EXTREMITE D'INJECTION POUR SERINGUES PRE-REMPLIES**
[72] MARCOZ, ALAIN, FR
[71] BIOCORP PRODUCTION S.A, FR
[85] 2022-03-11
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[25] EN
[54] **METHOD FOR TESTING A LIGHTNING PROTECTION SYSTEM IN A WIND TURBINE ROTOR BLADE**
[54] **PROCEDE DE TEST D'UN SYSTEME DE PROTECTION CONTRE LA FOUDRE DANS UNE PALE DE ROTOR D'EOLIENNE**
[72] JANSEN, GERHARD, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2022-02-15
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[51] **Int.Cl. A61P 21/00 (2006.01) A61P 21/04 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS AND METHODS USEFUL FOR MODULATING GENE SPLICING**
[54] **COMPOSES ET PROCEDES UTILES POUR MODULER L'EPISSAGE DE GENES**
[72] AGRAWAL, SUDHIR, US
[71] ARNAY SCIENCES, LLC, US
[71] AGRAWAL, SUDHIR, US
[85] 2022-03-18
[86] 2020-03-19 (PCT/US2020/023598)
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[30] US (62/902,603) 2019-09-19
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[51] **Int.Cl. F25J 1/00 (2006.01) B29C 53/08 (2006.01) B29C 53/60 (2006.01)**
[25] EN
[54] **HEAT EXCHANGE SYSTEM AND METHOD OF ASSEMBLY**
[54] **SYSTEME D'ECHANGE DE CHALEUR ET PROCEDE D'ASSEMBLAGE**
[72] VODA, JOSEPH E., US
[72] GARCIA, ADAM R., US
[72] TIEMANN, KEVIN E., US
[72] RANELLA, CHRISTOPHER J., US
[72] DEBRAH, PAUL I., US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[85] 2022-03-21
[86] 2020-10-08 (PCT/US2020/054794)
[87] (WO2021/072082)
[30] US (62/912,246) 2019-10-08

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[25] EN
[54] **NUCLEAR REACTOR CORE ARCHITECTURE WITH ENHANCED HEAT TRANSFER AND SAFETY**
[54] **ARCHITECTURE DE C?UR DE REACTEUR NUCLEAIRE AVEC TRANSFERT DE CHALEUR ET SECURITE AMELIORES**
[72] VENNERI, PAOLO FRANCESCO, US
[72] EADES, MICHAEL JOHN, US
[72] SOUZA, KELSEY, US
[72] DEASON, WESLEY, US
[71] ULTRA SAFE NUCLEAR CORPORATION, US
[85] 2022-03-21
[86] 2020-10-04 (PCT/US2020/054190)
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[30] US (62/910,561) 2019-10-04

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[51] **Int.Cl. E05F 15/41 (2015.01) E05F 15/77 (2015.01)**
[25] EN
[54] **DOOR SYSTEM WITH ACTIVE MONITORING**
[54] **SYSTEME DE PORTE A SURVEILLANCE ACTIVE**
[72] HASS, BRIAN D., US
[72] LAWHON, DUSTIN, US
[72] PRICE, DAVID M., US
[71] ASSA ABLOY ACCESSORIES AND DOOR CONTROLS GROUP, INC., US
[85] 2022-03-22
[86] 2020-09-23 (PCT/US2020/052152)
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[30] US (62/904,383) 2019-09-23
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[25] EN
[54] **MULTI-CHAMBERED LID APPARATUS WITH REAGENT PORT**
[54] **APPAREIL DE COUVERCLE A CHAMBRES MULTIPLES AVEC ORIFICE DE REACTIF**
[72] JORDAN, PAUL, US
[72] KURSE, ROHAN, US
[71] CEPHEID, US
[85] 2022-03-22
[86] 2019-09-23 (PCT/US2019/052483)
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[25] EN
[54] **TRANSCRIPTION MODULATION IN ANIMALS USING CRISPR/CAS SYSTEMS DELIVERED BY LIPID NANOPARTICLES**
[54] **MODULATION DE LA TRANSCRIPTION CHEZ DES ANIMAUX A L'AIDE DE SYSTEMES CRISPR/CAS ADMINISTRES PAR DES NANOPARTICULES LIPIDIQUES**
[72] HUNT, CHARLEEN, US
[72] HARTFORD, SUZANNE, US
[72] GONG, GUOCHUN, US
[72] ZAMBROWICZ, BRIAN, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[25] EN
[54] **HAIR STYLING DEVICE**
[54] **DISPOSITIF DE COIFFURE**
[72] DEBENEDICTIS, ALFREDO, GB
[72] HOLLAND, JANUSZ LUCIEN, GB
[72] HUGHES, MARK CHRISTOPHER, GB
[72] HARRIS, MARTIN MALCOLM, GB
[72] NELSON, JAMES ROBERT, GB
[71] JAPHAM GROUP LIMITED, GB
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[51] **Int.Cl. G16H 20/17 (2018.01) G16H 40/60 (2018.01)**
[25] EN
[54] **AUTOMATIC SAFETY ADJUSTMENT SYSTEM**
[54] **SYSTEME D'AJUSTEMENT AUTOMATIQUE DE SECURITE**
[72] AUSTNES, JAN HENNING, NO
[71] CAREFUSION 303, INC., US
[85] 2022-03-09
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[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01)**
[25] EN
[54] **COMPOSITIONS, SYSTEMS, AND METHODS FOR IDENTIFYING A COMPOUND THAT MODULATES ONE OR MORE CHARACTERISTICS ASSOCIATED WITH A RBM20 CONDENSATE AND/OR A RBM20 POLYPEPTIDE**
[54] **COMPOSITIONS, SYSTEMES ET PROCEDES D'IDENTIFICATION D'UN COMPOSE QUI MODULE UNE OU PLUSIEURS CARACTERISTIQUES ASSOCIEES A UN CONDENSAT DE RBM20 ET/OU UN POLYPEPTIDE RBM20**
[72] PATEL, AVINASH, DE
[72] MURCKO, MARK ANDREW, US
[72] HALE, STEPHEN PAUL, US
[72] BEUTEL, BRUCE AARON, US
[72] KESIC, BOZENA, DE
[72] WIJAYA, JUWINA, US
[72] MANTEIGA, JOHN C., US
[72] DANDLIKER, PETER JEFFREY, US
[72] KWONG, ANN D., US
[71] DEWPOINT THERAPEUTICS, INC., US
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[54] **PAGE OBTAINING METHOD, DEVICE AND SYSTEM**
[54] **METHODE, DISPOSITIF ET SYSTEME D'OBTENTION DE PAGE**
[72] ZHANG, QING, CN
[72] MENG, XIANGYING, CN
[72] LI, YONG, CN
[72] GUO, SONGSONG, CN
[72] ZHOU, LIWANG, CN
[71] 10353744 CANADA LTD., CA
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[54] **FLINK ENGINE-BASED DATA PARSING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ANALYSE DE DONNEES REPOSANT SUR UN MOTEUR FLINK**
[72] CHEN, JIE, CN
[72] SUN, QIAN, CN
[72] ZHANG, YI, CN
[72] LIU, JIANSHUANG, CN
[72] WANG, GUANGBANG, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **PHOTOCURABLE (METH)ACRYLATE COMPOSITIONS**
[54] **COMPOSITIONS PHOTODURCISSABLES A BASE DE (METH)ACRYLATE**
[72] JIN, SHUHUA, US
[72] CHENG, CHIH-MIN, US
[71] HENKEL AG & CO. KGAA, DE
[85] 2022-03-09
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[25] EN
[54] **ENCLOSURE ASSEMBLY HAVING A RESEALABLE ENCLOSURE WITHIN AN OUTER BOX ENCLOSURE AND METHOD ASSOCIATED**
[54] **ENSEMBLE ENCEINTE COMPRENANT UNE ENCEINTE REFERMABLE A L'INTERIEUR D'UNE ENCEINTE DE BOITE EXTERIEURE ET PROCEDE ASSOCIE**
[72] SINGH, KOMAL, US
[72] WIHLBORG, LARS, US
[72] SEPTIEN, JOSE, US
[72] PLOURDE, ERIC, US
[71] ILLINOIS TOOL WORKS INC., US
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[25] EN
[54] **LOCKER UNIT HAVING A SECURITY FEATURE**
[54] **UNITE DE CASIER DOTEE D'UN ELEMENT DE SECURITE**
[72] FERGUSON, JAMES, GB
[71] RACKIT LTD, GB
[85] 2022-03-10
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[25] EN
[54] **PLANTS HAVING A MODIFIED LAZY PROTEIN**
[54] **PLANTES AYANT UNE PROTEINE LAZY MODIFIEE**
[72] KEPINSKI, STEFAN SAMUEL, GB
[72] KAYE, RYAN ANDREW SAMUEL, GB
[71] UNIVERISTY OF LEEDS, GB
[85] 2022-03-10
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[54] **A DISPENSER**
[54] **UN DISTRIBUTEUR**
[72] O'REILLY, ALLAN, IE
[72] O'REILLY, ALAN, IE
[71] O'REILLY, ALLAN, IE
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[25] EN
[54] **PREAMBLE AND PHYSICAL UPLINK SHARED CHANNEL RESOURCE ORDERING AND SCRAMBLING IDENTIFIER GENERATION FOR TWO-STEP RANDOM ACCESS CHANNEL PROCEDURE**
[54] **GENERATION D'IDENTIFIANT D'ORDONNANCEMENT ET D'EMBROUILLAGE DE PREAMBULE ET DE RESSOURCE DE CANAL PHYSIQUE PARTAGE DE LIAISON MONTANTE POUR PROCEDURE DE CANAL D'ACCES ALEATOIRE EN DEUX ETAPES**
[72] LEI, JING, US
[72] CHEN, WANSHI, US
[72] GAAL, PETER, US
[71] QUALCOMM INCORPORATED, US
[85] 2022-03-10
[86] 2020-08-05 (PCT/US2020/070373)
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[25] EN
[54] **MATERIAL FEEDING DEVICE**
[54] **DISPOSITIF D'ALIMENTATION EN MATIERE**
[72] KELBASSA, JANA, DE
[72] GASSER, ANDRES, DE
[72] EBERT, THOMAS, DE
[72] KOSTELNIK, BASTIAN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] EN
[54] **URINALYSIS DEVICES AND RELATED METHODS**
[54] **DISPOSITIFS D'ANALYSE D'URINE ET PROCEDES ASSOCIES**
[72] PEESAPATI, SAMEERA ANIRUDH, US
[72] YUDS, DAVID, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2022-03-10
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[54] **COUPLEUR ANASTOMOTIQUE**
[72] BUCK, DONALD W., US
[71] BUCK SURGICAL LLC, US
[85] 2022-03-09
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[25] EN
[54] **A SHOWER HEAD INSERT**
[54] **INSERT DE POMME DE DOUCHE**
[72] GABELLA, THOMAS, CH
[72] GANSHOF VAN DER MEERSCH, NICOLAS, CH
[71] GJOSA SA, CH
[85] 2022-03-10
[86] 2020-09-11 (PCT/EP2020/075575)
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[25] EN
[54] **TREATMENT OF DISC DEGENERATIVE DISEASE AND STIMULATION OF PROTEOGLYCAN SYNTHESIS BY FIBROBLAST CONDITIONED MEDIA AND FORMULATIONS THEREOF**
[54] **TRAITEMENT DE MALADIE DEGENERATIVE DE DISQUE ET STIMULATION DE SYNTHESE DE PROTEOGLYCANE PAR DES MILIEUX CONDITIONNES DE FIBROBLASTES ET LEURS FORMULATIONS**
[72] O'HEERON, PETE, US
[72] ICHIM, THOMAS, US
[71] FIGENE, LLC, US
[85] 2022-03-10
[86] 2020-09-16 (PCT/US2020/051036)
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[51] **Int.Cl. G06Q 20/20 (2012.01) G06Q 20/32 (2012.01)**
[25] EN
[54] **POINT OF SALE INTERMEDIATION SYSTEM**
[54] **SYSTEME D'INTERMEDIATION DE POINT DE VENTE**
[72] PINKUS, MICHAEL C, US
[71] LAZLO 326, LLC, US
[85] 2022-03-10
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[51] **Int.Cl. A23K 10/00 (2016.01) A61K 9/00 (2006.01) A61K 9/08 (2006.01)**
[25] EN
[54] **SWINE MATERNAL NEONATAL PHEROMONE**
[54] **PHEROMONE NEONATALE MATERNELLE PORCINE**
[72] MCGLONE, JOHN J., US
[71] TEXAS TECH UNIVERSITY SYSTEM, US
[71] MCGLONE, JOHN J., US
[85] 2022-03-10
[86] 2020-09-21 (PCT/US2020/051748)
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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)**
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[54] **ANTIGEN-BINDING PROTEIN CONSTRUCTS AND USES THEREOF**
[54] **CONSTRUCTIONS PROTEIQUES DE LIAISON A L'ANTIGENE ET LEURS UTILISATIONS**
[72] NICHOLS, ALEXANDER J., US
[72] FISKE, BRIAN P., US
[72] GERA, NIMISH, US
[71] MYTHIC THERAPEUTICS, INC., US
[85] 2022-03-10
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[54] **THERAPEUTIC CONJUGATES**
[54] **CONJUGUES THERAPEUTIQUES**
[72] DHAWAN, NEIL SONIN, US
[72] BLAIR, JAMES ABELLERA, US
[72] PERNI, ROBERT B., US
[71] TOTUS MEDICINES INC., US
[85] 2022-03-10
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[30] US (62/902,554) 2019-09-19
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[54] **HUMAN CYTOMEGALOVIRUS VACCINE**
[54] **VACCIN CONTRE LE CYTOMEGALOVIRUS HUMAIN**
[72] JOHN, SHINU, US
[72] PANTHER, LORI, US
[72] ZAKS, TAL, US
[71] MODERNATX, INC., US
[85] 2022-03-10
[86] 2020-09-11 (PCT/US2020/050392)
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[30] US (62/899,129) 2019-09-11
[30] US (62/899,624) 2019-09-12
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[25] EN
[54] **LOW MELTING IRON BASED BRAZE FILLER METALS FOR HEAT EXCHANGER APPLICATIONS**
[54] **METAUX DE CHARGE DE BRASAGE A BASE DE FER A BAS POINT DE FUSION POUR APPLICATIONS D'ECHANGEUR DE CHALEUR**
[72] LEE, DONGMYOUNG, US
[72] RANGASWAMY, SUBRAMANIAM, US
[71] OERLIKON METCO (US) INC., US
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[86] 2020-10-09 (PCT/US2020/055026)
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[54] **SLEEP CONCIERGE**
[54] **CONCIERGERIE DE SOMMEIL**
[72] VELILLA, JOHN-DAVID, US
[72] DIBENEDETTO, LISA BARCLAY, US
[72] WEIDNER, KELLEY, US
[71] DREAMWELL, LTD., US
[85] 2022-03-10
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[25] EN
[54] **DIGITAL PRINTING-STRUCTURED ANTIWEAR FILM HAVING ADJUSTABLE GLOSS LEVEL**
[54] **FILM ANTI-USURE A STRUCTURE D'IMPRESSION NUMERIQUE A NIVEAU DE BRILLANCE REGLABLE**
[72] HANNIG, HANS-JURGEN, DE
[71] AKZENTA PANEELE + PROFILE GMBH, DE
[85] 2022-03-10
[86] 2020-12-11 (PCT/EP2020/085834)
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[51] **Int.Cl. E21B 19/00 (2006.01) E21B 17/01 (2006.01)**
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[54] **SYSTEME TENDEUR HYDRAULIQUE**
[72] POHNER, LARS, NO
[72] HOYLAND, OLE BJORN, NO
[71] MHWIRTH AS, NO
[85] 2022-03-10
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[51] **Int.Cl. C02F 1/52 (2006.01) C02F 1/44 (2006.01) C02F 1/66 (2006.01)**
[25] EN
[54] **SIMPLIFIED SULPHATE REMOVAL FOR EFFLUENT TREATMENT**
[54] **ELIMINATION SIMPLIFIEE DE SULFATE POUR LE TRAITEMENT D'EFFLUENTS**
[72] NETSHIKHUDINI, TSHAMANO, ZA
[72] VAN STADEN, PETRUS JOHANNES, ZA
[71] MINTEK, ZA
[85] 2022-03-09
[86] 2020-09-16 (PCT/ZA2020/050049)
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[30] ZA (2019/06328) 2019-09-26

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[51] **Int.Cl. B24D 15/08 (2006.01) B24D 15/06 (2006.01)**
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[54] **SHARPENING DEVICE**
[54] **DISPOSITIF D'AIGUISAGE**
[72] MEEK, PETER JOHN, AU
[71] 2WP INTERNATIONAL PTY LTD, AU
[85] 2022-03-10
[86] 2020-09-10 (PCT/AU2020/050960)
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[25] EN
[54] **SYSTEM FOR EVALUATING THE INSULATION PROPERTIES OF A THERMALLY INSULATED TRANSPORT UNIT**
[54] **SYSTEME D'EVALUATION DES PROPRIETES D'ISOLATION D'UNE UNITE DE TRANSPORT ISOLEE THERMIQUEMENT**
[72] WOLLNY, ANDREAS, DE
[72] BEHAM, FRANK, DE
[72] WEICKERT, MATHIAS, DE
[72] SPOERRI, CARL, CH
[71] BASF SE, DE
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[25] EN
[54] **FULLY-ADHERED ROOFING SYSTEMS UTILIZING A PRIMER HAVING A SILICON-TERMINATED POLYMER**
[54] **SYSTEMES DE TOITURE ENTIEREMENT COLLES UTILISANT UN APPRET AYANT UN POLYMERE A TERMINAISON SILICIUM**
[72] JAIN, DHARAMDEEP, US
[72] TANG, JIANSHENG, US
[72] HUBBARD, MICHAEL J., US
[72] QIN, ZENGQUAN, US
[71] FIRESTONE BUILDING PRODUCTS COMPANY, LLC, US
[85] 2022-03-09
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[30] US (62/899,814) 2019-09-13
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[25] EN
[54] **STIRRER APPARATUS AND METHOD FOR MIXING**
[54] **DISPOSITIF A ORGANE D'AGITATION ET PROCEDE DE MELANGE INTIME**
[72] ENZ, ANDREAS, DE
[72] KELLER, WOLFGANG, FR
[72] HIMMELSBACH, WERNER, DE
[72] LAST, WOLFGANG, DE
[71] EKATO RUHR- UND MISCHTECHNIK GMBH, DE
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[25] EN
[54] **FERMENTED MILK PRODUCT FOR ADMINISTRATION IN CANIDS SUCH AS DOGS, AND USES THEREOF**
[54] **PRODUIT LAITIER FERMENTE DESTINE A ETRE ADMINISTRE A DES CANIDES TELS QUE DES CHIENS, ET SES UTILISATIONS**
[72] RUBIO, PEDRO, ES
[72] CARVAJAL, ANA, ES
[72] GARCIA, MARTA, ES
[72] GONZALEZ, SANDRA, ES
[71] AQUILON CYL S.L., ES
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[25] EN
[54] **A TRIS (HYDROXYMETHYL) PHOSPHINE OXIDE BASED POLYESTER POLYOL AND A RESIN COMPOSITION OBTAINED THEREFROM**
[54] **POLYOL DE POLYESTER A BASE D'OXYDE DE TRIS(HYDROXYMETHYL) PHOSPHINE ET COMPOSITION DE RESINE OBTENUE A PARTIR DE CELUI-CI**
[72] ZHANG, ZHENGHE, CN
[72] XIE, FAN, CN
[72] ZHONG, HUALIANG, CN
[72] ZHANG, YUEFAN, CN
[71] HUNTSMAN INTERNATIONAL LLC, US
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[54] **ELECTROSURGICAL APPARATUS FOR TREATING BIOLOGICAL TISSUE WITH MICROWAVE ENERGY**
[54] **APPAREIL ELECTROCHIRURGICAL POUR TRAITER UN TISSU BIOLOGIQUE A L'AIDE D'ENERGIE MICRO-ONDE**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[71] CREO MEDICAL LTD, GB
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[54] **METHODS AND DEVICE FOR PRODUCING A THREAD, COMPRISING A GEAR UNIT**
[54] **PROCEDE ET DISPOSITIF DE FABRICATION D'UN FILET, COMPRENANT UNE UNITE D'ENGRENAGE**
[72] LIEBALD, PETER, DE
[72] HECHTLE, DIETMAR, DE
[72] FUNK, THOMAS, DE
[71] EMUGE-WERK RICHARD GLIMPEL GMBH & CO. KG FABRIK FUR PRAZISIONSWERKZEUGE, DE
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[54] **METHODS FOR LEARNING PARAMETERS OF A NEURAL NETWORK, FOR GENERATING A TRAJECTORY OF AN EXOSKELETON AND FOR SETTING THE EXOSKELETON IN MOTION**
[54] **PROCEDES D'APPRENTISSAGE DE PARAMETRES D'UN RESEAU DE NEURONES, DE GENERATION D'UNE TRAJECTOIRE D'UN EXOSQUELETTE ET DE MISE EN MOUVEMENT DE L'EXOSQUELETTE**
[72] DUBURCQ, ALEXIS, FR
[72] CHEVALEYRE, YANN, FR
[72] BOERIS, GUILHEM, FR
[71] WANDERCRAFT, FR
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[54] **COMBINATION TREATMENT WITH A P53 REACTIVATOR AND AN INHIBITOR OF AN ANTIAPOPTOTIC BCL-2 FAMILY PROTEIN**
[54] **TRAITEMENT COMBINE CONTENANT UN REACTIVATEUR DE P53 ET UN INHIBITEUR D'UNE PROTEINE ANTI-APOPTOTIQUE DE LA FAMILLE BCL-2**
[72] ABRAHMSEN, LARS, SE
[72] WENNBORG, ANDERS, SE
[71] APREA THERAPEUTICS AB, SE
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[54] **PRODUITS DE CHOCOLAT, INGREDIENTS, PROCEDES ET UTILISATIONS**
[72] ABU-HARDAN, MADIAN OTHMAN, GB
[72] FLEURY REY, YVETTE, CH
[72] VAFEIADI, CHRISTINA, CH
[72] VIEIRA, JOSELIO BATISTA, GB
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[54] **REDUCTION DE TEMPS DE DECALAGE/PULVERISATION DE GLACE**
[72] RONNANDER, JAMES PAUL, US
[72] KOCH, ANDREAS, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
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[54] **1,4-DIHYDROBENZO[D]PYRAZOLO[3,4-F][1,3]DIAZEPINE DERIVATIVES AND RELATED COMPOUNDS AS LRRK2, NUAK1 AND/OR TYK2 KINASE MODULATORS FOR THE TREATMENT OF E.G. AUTOIMMUNE DISEASE**
[54] **DERIVES DE 1,4-DIHYDROBENZO[D]PYRAZOLO[3,4-F][1,3]DIAZEPINE ET COMPOSES APPARENTES UTILISES EN TANT QUE MODULATEURS DE KINASES LRRK2, NUAK1 ET/OU TYK2 POUR LE TRAITEMENT PAR EXEMP LE DE MALADIES AUTO-IMMUNES**
[72] KOESTLER, ROLAND, DE
[72] THORMANN, MICHAEL, DE
[72] TASSEL, JEAN, DE
[72] YEHIA, NASSER, DE
[72] TREML, ANDREAS, DE
[72] ALMSTETTER, MICHAEL, DE
[71] ORIGENIS GMBH, DE
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[54] **UNITE DE COUVERCLE POUR TETE DE CONVERTISSEUR DE DISPOSITIF CONVERTISSEUR HAUTE TENSION, TETE DE CONVERTISSEUR ET DISPOSITIF CONVERTISSEUR HAUTE TENSION**
[72] BAEHR, SEBASTIAN, DE
[71] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[71] NEUTRIK AG, LI
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[54] **METHODES DE TRAITEMENT PAR RIFABUTINE, UTILISATIONS ET COMPOSITIONS DE RIFABUTINE**
[72] DALE, GLENN E., CH
[72] LOCIURO, SERGIO, CH
[72] KEMMER, CHRISTIAN, CH
[72] TREBOSC, VINCENT, FR
[72] GITZINGER, MARC, CH
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[54] **COMPOSITIONS D'HYDROGEL COMPRENANT DES CELLULES DE PROTISTES**
[72] JACOBE, HELEN, AU
[72] HAITES, RUTH ELIZABETH, AU
[72] SIRISENA, SAMEERA, AU
[71] THE UNIVERSITY OF MELBOURNE, AU
[71] GRAINS RESEARCH AND DEVELOPMENT CORPORATION, AU
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[54] **1,4-DIHYDROBENZO[D]PYRAZOLO[3,4-F][1,3]DIAZEPINE DERIVATIVES AND RELATED COMPOUNDS AS LRRK2, NUAK1 AND/OR TYK2 KINASE MODULATORS FOR THE TREATMENT OF E.G. AUTOIMMUNE DISEASE**
[54] **DERIVES DE 1,4-DIHYDROBENZO[D]PYRAZOLO[3,4-F][1,3]DIAZEPINE ET COMPOSES APPARENTES UTILISES EN TANT QUE MODULATEURS DE KINASES LRRK2, NUAK1 ET/OU TYK2 POUR LE TRAITEMENT, PAR EXEM PLE DE MALADIES AUTO-IMMUNES**
[72] KOESTLER, ROLAND, DE
[72] TASSEL, JEAN, DE
[72] THORMANN, MICHAEL, DE
[72] YEHIA, NASSER, DE
[72] TREML, ANDREAS, DE
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[54] **PROCEDES DE PRODUCTION DE PROTEINES**
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[72] XIE, JIANLING, AU
[72] DE POI, STUART, AU
[71] SOUTH AUSTRALIAN HEALTH AND MEDICAL RESEARCH INSTITUTE LIMITED, AU
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[54] **PROCEDE, PROGRAMME INFORMATIQUE ET SYSTEME D'ARMES POUR CALCULER UN POINT D'EXPLOSION D'UN PROJECTILE**
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[72] ERIKSSON, FRANS, SE
[71] BAE SYSTEMS BOFORS AB, SE
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[54] **COMPOSITIONS POLYMERES LIQUIDES ET SYSTEMES D'ADMINISTRATION PROLONGEE DE PEPTIDES EN TANT QU'INGREDIENTS PHARMACEUTIQUES ACTIFS**
[72] GOTTAM, HIMA BINDU, US
[72] KUMMEROW CASAS, GERHARD, US
[72] MIDDLETON, JOHN CHARLES, US
[72] NANGIA, AVINASH, US
[71] TOLMAR INTERNATIONAL LIMITED, IE
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[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENT AVEC SUBSTRATS EMPILABLES**
[72] MCCULLOUGH, TIMOTHY, US
[71] VAPOR CARTRIDGE TECHNOLOGY LLC, US
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[54] **INHIBITEURS DE MLL1 ET AGENTS ANTICANCEREUX**
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[72] LIU, KEVIN KUN CHIN, CN
[72] LU, CHUNLIANG, CN
[72] SUN, ZHUMING, CN
[72] ZHAO, JICHEN, CN
[72] ZHU, YIHUI, US
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[54] **CHAUFFAGE EN LIGNE DE FLUIDES DE DIALYSE**
[72] EGLEY, BERT, US
[72] MOSS, JON, US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
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[54] **ANTIMICROBIAL NANOWORMS**
[54] **NANOVERS ANTIMICROBIENS**
[72] MONTEIRO, MICHAEL, US
[71] THE BOEING COMPANY, US
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[54] **AUTOMATIC WAREHOUSE FOR STORING LOADING UNITS**
[54] **ENTREPOT AUTOMATIQUE PERMETTANT DE STOCKER DES UNITES DE CHARGEMENT**
[72] PESCINI, ENRICO, IT
[71] E80 GROUP S.P.A., IT
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[54] **DISPOSITIF DE CHAUFFAGE D'ALIMENTS**
[72] LIN, CHIH HUNG, US
[71] YO-KAI EXPRESS INC., US
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[54] **SYSTEMS AND METHODS FOR PREDICTING MANUFACTURING PROCESS RISKS**
[54] **SYSTEMES ET PROCEDES DE PREDICTION DE RISQUES DANS DES PROCESSUS DE FABRICATION**
[72] FRIDLEY, LILA, US
[72] OHLSSON, HENRIK, US
[72] KHOSHFETRATPAKAZAD, SINA, US
[71] C3.AI, INC., US
[85] 2022-03-10
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[25] EN
[54] **METHODS AND SYSTEMS FOR DETERMINING AND DISPLAYING PEDIGREES**
[54] **PROCEDES ET SYSTEMES DE DETERMINATION ET D'AFFICHAGE DE PEDIGREES**
[72] JEWETT, ETHAN M., US
[72] SEAMAN, ANDREW C., US
[72] MCMANUS, KIMBERLY F., US
[72] FREYMAN, WILLIAM A., US
[72] BLAKKAN, CORDELL T., US
[72] AUTON, ADAM, US
[72] MOUNTAIN, JOANNA L., US
[72] FUREST, SUSAN M., US
[72] LOPATIN, RACHEL E., US
[72] XU, HANG, US
[72] VANCE, HILARY M., US
[71] 23ANDME, INC., US
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[30] US (62/900,373) 2019-09-13
[30] US (62/911,026) 2019-10-04
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[25] EN
[54] **IMMUNOTHERAPY COMPOUNDS AND METHODS**
[54] **COMPOSES ET METHODES POUR L'IMMUNOTHERAPIE**
[72] VALLERA, DANIEL A., US
[72] MILLER, JEFFREY S., US
[72] FELICES, MARTIN, US
[72] SCHROEDER, MARTIN, US
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US
[71] GT BIOPHARMA, INC., US
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[54] **SYSTEM AND METHOD LINKING TO ACCOUNTS USING CREDENTIAL-LESS AUTHENTICATION**
[54] **SYSTEME ET PROCEDE DE LIAISON A DES COMPTES UTILISANT UNE AUTHENTIFICATION SANS JUSTIFICATIFS**
[72] HOCKEY, WILLIAM, US
[72] AGIN, NICK, US
[72] SHOGRY, BAKER, US
[72] NAIK, SAMIR, US
[72] CHAO, JONATHAN, US
[71] PLAID INC., US
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[54] **MATERIALS AND METHODS FOR DIFFERENTIAL CHARACTERIZATION OF MOLECULAR CONJUGATES AND CONJUGATION**
[54] **MATERIAUX ET PROCEDES POUR LA CARACTERISATION DIFFERENTIELLE DE CONJUGUES MOLECULAIRES ET DE CONJUGAISON**
[72] GUNAWARDENA, HARSHA, US
[71] JANSSEN BIOTECH, INC., US
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[54] **USER PLANE INTEGRITY PROTECTION (UP IP) CAPABILITY SIGNALING IN 5G/4G SYSTEMS**
[54] **SIGNALISATION DE CAPACITE DE PROTECTION D'INTEGRITE DE PLAN UTILISATEUR (UP IP) DANS DES SYSTEMES 5G/4G**
[72] PALANIGOUNDER, ANAND, US
[72] ESCOTT, ADRIAN EDWARD, US
[72] LEE, SOO BUM, US
[71] QUALCOMM INCORPORATED, US
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[54] **POWER SAVING AND CELL DORMANCY OPERATION**
[54] **FONCTIONNEMENT A ECONOMIE D'ENERGIE ET EN DORMANCE DE CELLULES**
[72] ZHOU, HUA, US
[72] DINAN, ESMAEL, US
[72] CIRIK, ALI, US
[72] YI, YUNJUNG, US
[72] KWAK, YOUNGWOO, US
[72] JEON, HYOUNGSUK, US
[72] XU, KAI, US
[71] OFINNO, LLC, US
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[25] EN
[54] **DETECTION OF SEQUENCES UNIQUELY ASSOCIATED WITH A DNA TARGET REGION**
[54] **DETECTION DE SEQUENCES ASSOCIEES DE MANIERE UNIQUE A UNE REGION CIBLE D'ADN**
[72] ACHARYA, ANANTA, US
[72] GANNON, AMANDA MARIE, US
[72] GUO, HENA, US
[72] HAYES, KEVIN, US
[72] LASKOWSKI, ROBYN LYNN, US
[72] MCEWAN, ROBERT EBOW, US
[72] TOWNSEND, CARISA, US
[72] UBAYASENA, LASANTHA, US
[72] ZASTROW-HAYES, GINA MARIE, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **METHODS AND MATERIALS FOR IDENTIFYING AND TREATING MEMBRANOUS NEPHROPATHY**
[54] **METHODES ET MATERIAUX POUR IDENTIFIER ET TRAITER UNE NEPHROPATHIE MEMBRANEUSE**
[72] SETHI, SANJEEV, US
[72] FERVENZA, FERNANDO C., US
[72] MADDEN, BENJAMIN J., US
[72] CHARLESWORTH, M. CRISTINE, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
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[54] **PREPARATION METHOD FOR (R)-1,2,3,4-TETRAHYDROISOQUINOLINE-1-CARBOXYLIC ACID, DERIVATIVES THEREOF AND L-PRAZIQUANTEL**
[54] **PROCEDE DE PREPARATION D'ACIDE (R)-1,2,3,4-TETRAHYDROISOQUINOLEINE-1-CARBOXYLIQUE, DERIVE DE CE DERNIER ET L-PRAZIQUANTEL**
[72] WU, JIANPING, CN
[72] TANG, LINGJIAO, CN
[72] ZHAN, XIAO, CN
[72] YANG, LIRONG, CN
[72] QIAN, MINGXIN, CN
[71] TONGLI BIOMEDICAL CO., LTD., CN
[71] ZHEJIANG UNIVERSITY, CN
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[54] **CHAMFERING CUTTER AND METHOD OF CHAMFERING WORKPIECE**
[54] **TOUPIE DE CHANFREINAGE ET METHODE POUR CHANFREINER UNE PIECE A USINER**
[72] SATO, KOJI, JP
[72] SATO, YOICHI, JP
[71] XEBEC TECHNOLOGY CO., LTD., JP
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[86] 2020-05-08 (PCT/JP2020/018620)
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[25] EN
[54] **ANGLE ADJUSTMENT MECHANISM, DESKTOP APPARATUS, AND METHOD FOR ASSEMBLING ANGLE ADJUSTMENT MECHANISM**
[54] **MECANISME DE REGLAGE D'ANGLE, APPAREIL DE BUREAU ET PROCEDE D'ASSEMBLAGE DE MECANISME DE REGLAGE D'ANGLE**
[72] KUNII, MASARU, JP
[71] NEC PLATFORMS, LTD., JP
[85] 2022-03-10
[86] 2020-07-20 (PCT/JP2020/028012)
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[54] **DCR3 VARIANT**
[54] **VARIANT DE DCR3**
[72] KANAI, AKIKO, JP
[72] HOSOMI, HITOMI, JP
[72] YONEZAWA, SAKIKO, JP
[71] KYOWA KIRIN CO., LTD., JP
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[54] **METHOD FOR INDUCING IMMATURE OOCYTES AND METHOD FOR PRODUCING MATURE OOCYTES**
[54] **PROCEDE D'INDUCTION D'OVOCYTES IMMATURES ET PROCEDE DE PRODUCTION D'OVOCYTES MATURES**
[72] HAMAZAKI, NOBUHIKO, US
[72] HAYASHI, KATSUHIKO, JP
[71] DIOSEVE INC., JP
[85] 2022-03-10
[86] 2020-09-11 (PCT/JP2020/034465)
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[25] EN
[54] **FRIED FOOD DISPLAY MANAGEMENT APPARATUS AND FRIED FOOD DISPLAY MANAGEMENT METHOD**
[54] **APPAREIL ET METHODE DE GESTION D'UN PRESENTOIR A ALIMENTS SECHES**
[72] SUZUKI, TAKESHI, JP
[72] INOUE, MASAMI, JP
[72] HAKAMADA, KAZUHIKO, JP
[72] KOZONO, SHINSUKE, JP
[72] WATANABE, KENICHI, JP
[71] J-OIL MILLS, INC., JP
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[71] SHOBAYASHI, YASUHIRO, JP
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[25] EN
[54] **DEVICE FOR CONTINUOUSLY PREPARING 2,6-DIHYDROXYBENZALDEHYDE**
[54] **DISPOSITIF POUR LA PREPARATION CONTINUE DE 2,6-DIHYDROXYBENZALDEHYDE**
[72] HONG, HAO, US
[72] LU, JIANGPING, CN
[72] FENG, XICHUN, CN
[72] ZHANG, XIN, CN
[72] YAN, BO, CN
[71] ASYMCHEM LABORATORIES (FUXIN) CO., LTD., CN
[85] 2022-03-11
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[25] EN
[54] **SEALING SYSTEM OF OCEAN POWER GENERATION DEVICE**
[54] **SYSTEME D'ETANCHEITE D'UN DISPOSITIF DE GENERATION D'ENERGIE OCEANIQUE**
[72] ZHU, FUWEI, CN
[72] LIN, DONG, CN
[72] MIAO, XIAONAN, CN
[72] WU, ZHENHUA, CN
[72] LIN, ENLE, CN
[72] JIANG, FANG, CN
[72] CHEN, ZHENDONG, CN
[72] TIAN, HONGYUE, CN
[71] HANGZHOU LHD INSTITUTE OF NEW ENERGY, LLC, CN
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[25] EN
[54] **SYSTEM AND METHOD OF TRACKING A MOBILE DEVICE**
[54] **SYSTEME ET PROCEDE DE SUIVI D'UN DISPOSITIF MOBILE**
[72] SOTOMAYOR, JOEL ROBERTO, CA
[72] SOULE ALAOFE, IDRIS, CA
[71] TRESPASS TRACKER LTD., CA
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[86] 2020-09-11 (PCT/CA2020/051227)
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[25] EN
[54] **ANTI-ONCOLYTIC VIRUS ANTIGEN ANTIBODIES AND METHODS OF USING SAME**
[54] **ANTICORPS CONTRE L'ANTIGENE DU VIRUS ONCOLYTIQUE ET LEURS PROCEDES D'UTILISATION**
[72] CUMMINS, EMMA J., CA
[72] BERGQVIST, JAN PETER, CA
[72] NELSON, BRAD, CA
[72] TWUMASI-BOATENG, KWAME, CA
[72] KWOK, YIN YU EUNICE, CA
[72] SMAZYNSKI, JULIAN, CA
[72] BENARD, FRANCOIS, CA
[72] ROUSSEAU, JULIE MARIE, CA
[72] LIN, KUO-SHYAN, CA
[71] ADMARE THERAPEUTICS SOCIETY, CA
[71] PROVINCIAL HEALTH SERVICES AUTHORITY, CA
[71] UVIC INDUSTRY PARTNERSHIPS INC., CA
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[54] **MACHINE AGRICOLE**
[72] UBALDI, RAFFAELE, IT
[71] ROC GROUP S.R.L., IT
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[54] **DETECTION OF CIRCULATING TUMOR DNA USING DOUBLE STRANDED HYBRID CAPTURE**
[54] **DETECTION D'ADN TUMORAL CIRCULANT A L'AIDE D'UNE CAPTURE HYBRIDE A DOUBLE BRIN**
[72] BRATMAN, SCOTT, CA
[72] HAN, KATHY, CA
[72] ZHAO, ZHEN, CA
[72] ZOU, JINFENG, CA
[71] UNIVERSITY HEALTH NETWORK, CA
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[54] **COMPOSITION OF RADIOACTIVE AND NON-RADIOACTIVE MICROPARTICLES**
[54] **COMPOSITION DE MICROPARTICULES RADIOACTIVES ET NON RADIOACTIVES**
[72] GREGOIRE, MARC, CA
[72] HEADLEY, JR., F. ANTHONY, US
[71] ABK BIOMEDICAL INCORPORATED, CA
[85] 2022-03-11
[86] 2020-09-15 (PCT/CA2020/051240)
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[51] **Int.Cl. B65D 55/16 (2006.01) B29C 45/00 (2006.01) B65D 41/32 (2006.01)**
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[54] **CLOSURE DEVICE FOR CONTAINER**
[54] **DISPOSITIF DE FERMETURE POUR CONTENANT**
[72] NAUMANN, TOBIAS, DE
[72] SCHERER, STEPHAN, DE
[72] BOULAY, CEDRIC, FR
[71] HUSKY INJECTION MOLDING SYSTEMS LTD., CA
[85] 2022-03-11
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[30] US (62/913,926) 2019-10-11

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[25] EN
[54] **BATTERY COOLING PANEL FOR ELECTRIC VEHICLES**
[54] **PANNEAU DE REFROIDISSEMENT DE BATTERIE POUR VEHICULES ELECTRIQUES**
[72] BRUNEAU, SAMUEL, CA
[72] FILICE, DANTE, CA
[72] GAGNON, MARC-OLIVIER, CA
[72] PETITCLERC-DEMERS, CHRISTOPHE, CA
[71] TAIGA MOTORS INC., CA
[85] 2022-03-11
[86] 2020-11-06 (PCT/CA2020/051511)
[87] (WO2021/087619)
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[51] **Int.Cl. H03F 1/32 (2006.01) H03F 3/189 (2006.01) H03F 3/20 (2006.01)**
[25] EN
[54] **POWER AMPLIFIER LINEARIZING MODULE AND POWER AMPLIFIER SYSTEM EQUIPPED THEREWITH**
[54] **MODULE DE LINEARISATION D'AMPLIFICATEUR DE PUISSANCE ET SYSTEME D'AMPLIFICATEUR DE PUISSANCE EQUIPE DUDIT MODULE**
[72] CONSTANTIN, NICOLAS G., CA
[72] SHARMA, SMARJEET, NL
[71] SOCOVAR S.E.C., CA
[85] 2022-03-11
[86] 2020-09-11 (PCT/CA2020/051232)
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[25] EN
[54] **HYBRID ELECTRODES FOR BATTERY CELLS AND METHODS OF PRODUCTION THEREOF**
[54] **ELECTRODES HYBRIDES POUR CELLULES DE BATTERIE ET LEURS PROCEDES DE PRODUCTION**
[72] FAVORS, ZACHARY, US
[72] ALBANO, FABIO, US
[72] BURGER, BILL, US
[71] NEXTECH BATTERIES, INC., US
[85] 2022-03-11
[86] 2020-09-14 (PCT/US2020/050780)
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[30] US (62/899,612) 2019-09-12
[30] US (62/899,569) 2019-09-12

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[51] **Int.Cl. F28B 1/06 (2006.01) F28B 9/08 (2006.01) F28B 9/10 (2006.01)**
[25] EN
[54] **ADVANCED LARGE SCALE FIELD-ERECTED AIR COOLED INDUSTRIAL STEAM CONDENSER**
[54] **CONDENSEUR DE VAPEUR INDUSTRIEL AVANCE REFROIDI PAR AIR MONTE SUR LE TERRAIN A GRANDE ECHELLE**
[72] BUGLER, THOMAS W., US
[72] LIBERT, JEAN-PIERRE, US
[72] HUBER, MARK, US
[72] ATHRON, TOBY, US
[72] SEXTON, WAYNE, US
[72] HILDEBRANDT, BEN, US
[71] EVAPCO, INC., US
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[86] 2020-03-12 (PCT/US2020/022259)
[87] (WO2021/050105)
[30] US (62/900,195) 2019-09-13
[30] US (62/902,521) 2019-09-19
[30] US (62/928,116) 2019-10-30
[30] US (62/946,039) 2019-12-10
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[25] EN
[54] **APPARATUSES AND METHODS FOR IMPROVING RECOVERY FROM MINIMALLY INVASIVE SURGERY**
[54] **APPAREILS ET PROCEDES D'AMELIORATION DE LA RECUPERATION APRES CHIRURGIE MINIMALEMENT INVASIVE**
[72] BALASUBRAMANIAM, SWARNA, US
[71] NOLEUS TECHNOLOGIES INC., US
[85] 2022-03-11
[86] 2020-09-10 (PCT/US2020/050118)
[87] (WO2021/050676)
[30] US (62/898,971) 2019-09-11
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[25] EN
[54] **AUTOMATIC BLADE HOLDER**
[54] **PORTE-LAME AUTOMATIQUE**
[72] BERGLUND, LINUS, SE
[72] ERIKSSON, MAGNUS, SE
[71] PROSHARP INC., US
[85] 2022-03-11
[86] 2020-09-03 (PCT/US2020/049172)
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[51] **Int.Cl. E21B 23/01 (2006.01)**
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[54] **EXPANDABLE METAL WELLBORE ANCHOR**
[54] **ANCRAGE DE PUITS DE FORAGE METALLIQUE EXTENSIBLE**
[72] FRIPP, MICHAEL LINLEY, US
[72] GRECI, STEPHEN MICHAEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-11
[86] 2019-10-29 (PCT/US2019/058464)
[87] (WO2021/086317)
[30] US (16/666,713) 2019-10-29

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[25] EN
[54] **ENHANCED BIOMETRIC AUTHENTICATION**
[54] **AUTHENTIFICATION BIOMETRIQUE AMELIOREE**
[72] BATTLE, SHARRON, US
[71] SELFIECOIN, INC., US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050293)
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[30] US (62/898,805) 2019-09-11

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[51] **Int.Cl. C07C 29/80 (2006.01) C07C 31/20 (2006.01)**
[25] EN
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[54] **ELIMINATION D'ACIDES ORGANIQUES DANS LA RECUPERATION DE MONOETHYLENE GLYCOL**
[72] LANGLEY, STEVEN, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
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[30] US (16/570,799) 2019-09-13

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[51] **Int.Cl. A61K 35/17 (2015.01) C12N 5/0783 (2010.01) C07K 14/725 (2006.01) C12N 15/62 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TCR REPROGRAMMING USING FUSION PROTEINS**
[54] **COMPOSITIONS ET PROCEDES DE REPROGRAMMATION DE TCR A L'AIDE DE PROTEINES DE FUSION**
[72] BAEUERLE, PATRICK, US
[72] HOFMEISTER, ROBERT, US
[72] GETTS, DANIEL, US
[72] GUTIERREZ, DARIO, US
[72] KIEFFER-KWON, PHILIPPE, US
[72] DONAGHEY, JULIE, US
[71] TCR2 THERAPEUTICS INC., US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050503)
[87] (WO2021/050948)
[30] US (62/899,563) 2019-09-12
[30] US (62/971,682) 2020-02-07

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[51] **Int.Cl. C12N 5/095 (2010.01) C12N 5/071 (2010.01) C12Q 1/6809 (2018.01) G01N 15/10 (2006.01) G01N 21/64 (2006.01) G01N 33/48 (2006.01) G01N 33/52 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **ATP-BASED CELL SORTING AND HYPERPROLIFERATIVE CANCER STEM CELLS**
[54] **TRI CELLULAIRE A BASE D'ATP ET CELLULES SOUCHES CANCEREUSES HYPERPROLIFERANTES**
[72] LISANTI, MICHAEL P., GB
[72] SOTGIA, FEDERICA, GB
[72] FIORILLO, MARCO, GB
[71] LUNELLA BIOTECH, INC., CA
[85] 2022-03-11
[86] 2020-09-14 (PCT/IB2020/058524)
[87] (WO2021/048830)
[30] US (62/900,139) 2019-09-13

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[51] **Int.Cl. A61K 51/08 (2006.01) A61K 51/12 (2006.01)**
[25] EN
[54] **STABLE, CONCENTRATED RADIOPHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION RADIOPHARMACEUTIQUE CONCENTREE, STABLE**
[72] MARIANI, MAURIZIO F., IT
[72] ORLANDI, FRANCESCA, IT
[72] FUGAZZA, LORENZA, IT
[72] SACCHETTI, LORENZO, IT
[72] TEDESCO, MATTIA, IT
[72] BARBATO, DONATO, IT
[71] NOVARTIS AG, CH
[85] 2022-03-14
[86] 2020-09-15 (PCT/EP2020/075767)
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[30] EP (19197607.5) 2019-09-16

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[25] EN
[54] **HISTOLOGICAL IMAGE ANALYSIS**
[54] **ANALYSE D'IMAGES HISTOLOGIQUES**
[72] RAEDT, SEPP DE, NO
[72] SKREDE, OLE-JOHAN, NO
[72] DANIELSEN, HAVARD EMIL GREGER, NO
[72] HVEEM, TARJEI SVEINSGJERD, NO
[72] KLEPPE, ANDREAS, NO
[72] LIESTOL, KNUT, NO
[71] OSLO UNIVERSITETSSYKEHUS, NO
[85] 2022-03-14
[86] 2020-09-18 (PCT/EP2020/076090)
[87] (WO2021/053135)
[30] GB (1913616.7) 2019-09-20

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[51] **Int.Cl. A01J 7/02 (2006.01)**
[25] EN
[54] **A CLEANING SYSTEM AND A CLEANING METHOD ESPECIALLY FOR A MILKING CLUSTER**
[54] **SYSTEME DE NETTOYAGE ET PROCEDE DE NETTOYAGE EN PARTICULIER POUR UN FAISCEAU TRAYEUR**
[72] DYRKA, MACIEJ, PL
[71] DYRKA, MACIEJ, PL
[85] 2022-03-10
[86] 2020-09-23 (PCT/IB2020/058869)
[87] (WO2021/059148)
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[25] EN
[54] **USE IN VITRO OF A KIT AND A METHOD FOR DIAGNOSTICS IN TRANSPLANTS AND/OR AUTOIMMUNE DISEASES AND/OR TUMOR DISEASES AND/OR VACCINATIONS AND ALSO A MESSENGER-SUBSTANCE-CONTAINING SU PERNATANT, CELL-CONTAINING SEDIMENT, AND A COMBINATION, FOR USE IN DIAGNOSTICS IN TRANSPLANTS AND/OR AUTOIMMUNE DISEASES AND/OR TUMOR DISEASES AND/OR VACCINATIONS**
[54] **UTILISATION IN VITRO D'UN KIT ET D'UN PROCEDE POUR REALISER UN DIAGNOSTIC DANS LE CADRE DE TRANSPLANTATIONS ET/OU MALADIES AUTO-IMMUNES ET/OU MALADIES TUMORALES ET/OU VACCINATIONS , SURNAGEANT RENFERMANT DES MESSAGERS, SEDIMENT CONTENANT DES CELLULES ET COMBINAISON A UTILISER POUR REALISER UN DIAGNOSTIC DANS LE CADRE DE TRANSPLANTATIONS ET/OU MALADIES AUTO-**
[72] SCHMOLZ, MANFRED, DE
[71] HOT SCREEN GMBH, DE
[85] 2022-03-14
[86] 2020-09-16 (PCT/EP2020/075894)
[87] (WO2021/053032)
[30] DE (10 2019 214 137.4) 2019-09-17

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[51] **Int.Cl. A61N 1/36 (2006.01)**
[25] EN
[54] **NEUROMODULATION OF THE GLOSSOPHARYNGEAL NERVE TO IMPROVE SLEEP DISORDERED BREATHING**
[54] **NEUROMODULATION DU NERF GLOSSOPHARYNGIEN POUR AMELIORER LES TROUBLES RESPIRATOIRES DU SOMMEIL**
[72] KENT, DAVID T., US
[71] VANDERBILT UNIVERSITY, US
[85] 2022-03-10
[86] 2020-09-11 (PCT/US2020/050335)
[87] (WO2021/050829)
[30] US (62/900,442) 2019-09-13
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[51] **Int.Cl. A61K 35/747 (2015.01) A61K 35/74 (2015.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING AUTISM SPECTRUM DISORDER**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TROUBLE DU SPECTRE AUTISTIQUE**
[72] SMITH, MARK, US
[72] WEIDENMAIER, CHRISTOPHER, US
[71] FINCH THERAPEUTICS HOLDINGS LLC, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050525)
[87] (WO2021/050965)
[30] US (62/899,874) 2019-09-13
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[51] **Int.Cl. G10L 17/04 (2013.01) G10L 17/26 (2013.01) G10L 25/30 (2013.01) G10L 15/16 (2006.01)**
[25] EN
[54] **Z-VECTORS: SPEAKER EMBEDDINGS FROM RAW AUDIO USING SINCNET, EXTENDED CNN ARCHITECTURE, AND IN-NETWORK AUGMENTATION TECHNIQUES**
[54] **VECTEURS Z : PLONGEMENT DE LOCUTEURS A PARTIR DE SIGNAUX AUDIO BRUTS A L'AIDE DE SINCNET, D'UNE ARCHITECTURE CNN ETENDU ET DE TECHNIQUES D'AUGMENTATION DANS LE RESEAU**
[72] KHOURY, ELIE, US
[72] SIVARAMAN, GANESH, US
[72] CHEN, TIANXIANG, US
[72] VIDWANS, AMRUTA, US
[71] PINDROP SECURITY, INC., US
[85] 2022-03-10
[86] 2020-10-08 (PCT/US2020/054825)
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[54] **LITHIUM METAL ANODES AND METHOD OF MAKING SAME**
[54] **ANODES METALLIQUES AU LITHIUM ET LEUR PROCEDE DE FABRICATION**
[72] CHO, SUNGJIN, US
[72] CHO, JONGSOO, US
[71] CHO, SUNGJIN, US
[71] CHO, JONGSOO, US
[85] 2022-03-10
[86] 2020-10-27 (PCT/US2020/057468)
[87] (WO2021/086820)
[30] US (62/927,082) 2019-10-28
[30] US (63/048,921) 2020-07-07
[30] US (63/070,656) 2020-08-26
[30] US (17/081,152) 2020-10-27

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[25] EN
[54] **MODIFIED TIMBER**
[54] **BOIS D'□UVRE MODIFIE**
[72] MILITZ, HOLGER, DE
[72] EMMERICH, LUKAS, DE
[72] CORPET, DAMIEN JULIEN, FR
[72] GATOUNES, PAULINE, FR
[71] GEORG-AUGUST-UNIVERSITAT GOTTINGEN STIFTUNG OFFENTLICHEN RECHTS, DE
[71] ARCHROMA IP GMBH, CH
[85] 2022-03-14
[86] 2020-09-17 (PCT/EP2020/075949)
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[30] EP (19198145.5) 2019-09-18

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[51] **Int.Cl. C08G 73/06 (2006.01) C08G 73/00 (2006.01) C08L 79/04 (2006.01)**
[25] EN
[54] **PHTHALONITRILE RESINS, METHODS OF MAKING SAME AND COMPOSITIONS THEREOF**
[54] **RESINES DE PHTALONITRILE, LEURS PROCEDES DE FABRICATION ET LEURS COMPOSITIONS**
[72] GAO, KUANQIANG, US
[72] BORJIGIN, NARASO, US
[72] TAO, TAO, US
[71] HUNTSMAN ADVANCED MATERIALS AMERICAS LLC, US
[85] 2022-03-10
[86] 2020-10-30 (PCT/US2020/058099)
[87] (WO2021/087193)
[30] US (62/928,466) 2019-10-31

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[51] **Int.Cl. C12Q 1/689 (2018.01)**
[25] EN
[54] **MICROBIOME MARKERS AND USES THEREOF**
[54] **MARQUEURS DU MICROBIOME ET LEURS UTILISATIONS**
[72] ADESOKAN, ADEYEMI, CH
[71] GNUBIOTICS SCIENCES SA, CH
[85] 2022-03-11
[86] 2019-09-13 (PCT/IB2019/001013)
[87] (WO2020/053659)
[30] US (62/731,051) 2018-09-13
[30] US (62/751,416) 2018-10-26

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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/438 (2006.01) A61K 31/546 (2006.01) A61K 38/12 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **ANTIBIOTIC COMBINATION THERAPIES**
[54] **POLYTHERAPIES PAR ANTIBIOTIQUES**
[72] TREBOSC, VINCENT, FR
[72] KEMMER, CHRISTIAN, CH
[72] DALE, GLENN, E., CH
[72] LOCIURO, SERGIO, CH
[72] GITZINGER, MARC, CH
[71] BIOVERSYS AG, CH
[85] 2022-03-11
[86] 2020-08-03 (PCT/IB2020/000645)
[87] (WO2021/048610)
[30] US (62/899,257) 2019-09-12
[30] US (62/902,019) 2019-09-18
[30] US (62/941,160) 2019-11-27
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 31/438 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/22 (2006.01) A61K 47/26 (2006.01) A61P 31/04 (2006.01) A61P 31/06 (2006.01)**
[25] EN
[54] **RIFABUTIN TREATMENT METHODS, USES, AND COMPOSITIONS**
[54] **PROCEDES DE TRAITEMENT A BASE DE RIFABUTINE, UTILISATIONS ET COMPOSITIONS**
[72] LOCIURO, SERGIO, CH
[72] BIONDI, STEFANO, CH
[72] DALE, GLENN, E., CH
[72] BOUROTTE, MARILYNE, FR
[72] GITZINGER, MARC, CH
[71] BIOVERSYS AG, CH
[85] 2022-03-11
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[51] **Int.Cl. A61K 31/445 (2006.01) A61P 25/00 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **USE OF AN OREXIN 2 RECEPTOR AGONIST FOR THE TREATMENT OF EXCESSIVE SLEEPINESS**
[54] **UTILISATION D'UN AGONISTE DU RECEPTEUR DE L'OREXINE 2 POUR LE TRAITEMENT D'UNE SOMNOLENCE EXCESSIVE**
[72] HARTMAN, DEBORAH, US
[72] EVANS, REBECCA, US
[72] FAESSEL, HELENE, US
[72] RUBENS, ROBERT, US
[72] TANAKA, SHINICHIRO, US
[72] TANAKA, SHINICHIRO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-03-11
[86] 2020-09-12 (PCT/IB2020/058482)
[87] (WO2021/048821)
[30] US (62/900,310) 2019-09-13
[30] US (63/031,687) 2020-05-29

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[51] **Int.Cl. A61K 31/445 (2006.01) A61P 25/00 (2006.01) A61P 25/26 (2006.01)**
[25] EN
[54] **TAK-925 FOR USE IN TREATING NARCOLEPSY**
[54] **TAK-925 DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE LA NARCOLEPSIE**
[72] HARTMAN, DEBORAH, US
[72] EVANS, REBECCA, US
[72] FAESSEL, HELENE, US
[72] TANAKA, SHINICHIRO, JP
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2022-03-11
[86] 2020-09-12 (PCT/IB2020/058483)
[87] (WO2021/048822)
[30] US (62/900,298) 2019-09-13
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[51] **Int.Cl. C02F 1/28 (2006.01) C02F 1/72 (2006.01) C02F 9/02 (2006.01) C02F 9/08 (2006.01)**
[25] EN
[54] **A PROCESS FOR TREATING ACID MINE DRAINAGE**
[54] **PROCEDE POUR LE TRAITEMENT DE DRAINAGE MINIER ACIDE**
[72] MAMBA, BHEKIE BRILLIANCE, ZA
[72] KEFENI, KEBEDE KETEREW, ZA
[71] UNIVERSITY OF SOUTH AFRICA, ZA
[85] 2022-03-11
[86] 2020-09-14 (PCT/IB2020/058510)
[87] (WO2021/048827)
[30] ZA (2019/06052) 2019-09-13

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[51] **Int.Cl. G06F 16/23 (2019.01) G06F 16/2455 (2019.01) G06F 40/18 (2020.01)**
[25] EN
[54] **SPREADSHEET WITH DYNAMIC DATABASE QUERIES**
[54] **TABLEUR AVEC INTERROGATIONS DE BASE DE DONNEES DYNAMIQUES**
[72] ZARRAS, DEAN ANDREW, US
[71] GOLDMAN SACHS & CO. LLC, US
[85] 2022-03-11
[86] 2020-09-12 (PCT/IB2020/058488)
[87] (WO2021/048823)
[30] US (62/900,434) 2019-09-13

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[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR USE IN INHIBITING SRC KINASE AND TREATING AND PREVENTING ASSOCIATED DISORDERS**
[54] **COMPOSITIONS DESTINEES A ETRE UTILISEES POUR INHIBER LA KINASE SRC AINSI QUE TRAITER ET PREVENIR DES TROUBLES ASSOCIES**
[72] CHAKRABORTY, ARINDAM, IN
[72] BANERJEE, ABIR, IN
[72] GADGIL, HIMANSHU, IN
[72] GHAVTE, MRUGALI, IN
[72] ATIK, RENUKA, IN
[72] LONDHE, HARSHITA, IN
[71] ENZENE BIOSCIENCES LIMITED, IN
[85] 2022-03-11
[86] 2020-09-14 (PCT/IB2020/058525)
[87] (WO2021/053493)
[30] US (62/901,540) 2019-09-17

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[13] A1
[51] **Int.Cl. H04N 21/422 (2011.01) G08C 17/02 (2006.01) H04N 21/442 (2011.01) H04N 21/45 (2011.01) G08C 23/04 (2006.01)**
[25] EN
[54] **REMOTE CONTROL FOR ACTIVATING A PREDETERMINED FUNCTION**
[54] **TELECOMMANDE POUR ACTIVER UNE FONCTION PREDETERMINEE**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
[85] 2022-03-11
[86] 2020-09-14 (PCT/IB2020/058529)
[87] (WO2021/048832)
[30] DE (10 2019 124 764.0) 2019-09-13

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[51] **Int.Cl. G02F 1/01 (2006.01)**
[25] EN
[54] **IQ OPTICAL MODULATOR**
[54] **MODULATEUR OPTIQUE IQ**
[72] OGISO, YOSHIHIRO, JP
[72] OZAKI, JOSUKE, JP
[72] HASHIZUME, YASUAKI, JP
[72] ISHIKAWA, MITSUTERU, JP
[72] NUNOYA, NOBUHIRO, JP
[71] NIPPON TELEGRAPH AND TELEPHONE CORPORATION, JP
[85] 2022-03-11
[86] 2019-09-13 (PCT/JP2019/036098)
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[13] A1
[51] **Int.Cl. A23L 5/00 (2016.01) A23C 9/16 (2006.01)**
[25] EN
[54] **SOLID FOOD AND SOLID MILK**
[54] **ALIMENT SOLIDE ET LAIT SOLIDE**
[72] KATO, AYA, JP
[72] HANYU, KEIGO, JP
[72] KAMIYA, TETSU, JP
[72] OGIWARA, JIN, JP
[71] MEIJI CO., LTD., JP
[85] 2022-03-11
[86] 2020-09-03 (PCT/JP2020/033501)
[87] (WO2021/049421)
[30] JP (2019-167795) 2019-09-13

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[13] A1
[51] **Int.Cl. B01D 53/58 (2006.01) B01D 53/84 (2006.01) C01B 21/40 (2006.01) C12M 1/00 (2006.01) C12N 1/00 (2006.01) C12P 3/00 (2006.01)**
[25] EN
[54] **NITROGEN RECOVERY METHOD, NITROGEN RECOVERY DEVICE, AND PRODUCT OBTAINED BY SAME**
[54] **PROCEDE DE RECUPERATION D'AZOTE, DISPOSITIF DE RECUPERATION D'AZOTE ET PRODUIT OBTENU ASSOCIE**
[72] FUJINO, AKIRA, JP
[72] SASAGAWA, YUKO, JP
[72] MOROTA, JUNICHI, JP
[71] JFR CO., LTD., JP
[85] 2022-03-11
[86] 2020-09-11 (PCT/JP2020/034429)
[87] (WO2021/049603)
[30] JP (2019-166997) 2019-09-13

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[51] **Int.Cl. A61K 31/7088 (2006.01) A61K 38/16 (2006.01) A61K 48/00 (2006.01) A61P 27/02 (2006.01) A61P 27/10 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12N 15/864 (2006.01) C12N 15/867 (2006.01)**
[25] EN
[54] **NUCLEIC ACID CONSTRUCT THAT ENCODES CHIMERIC RHODOPSIN**
[54] **CONSTRUCTION D'ACIDES NUCLEIQUES CODANT POUR LA RHODOPSINE CHIMERE**
[72] KURIHARA, TOSHIHIDE, JP
[72] KATADA, YUSAKU, JP
[72] TSUBOTA, KAZUO, JP
[72] KANDORI, HIDEKI, JP
[71] RESTORE VISION INC., JP
[85] 2022-03-11
[86] 2020-09-11 (PCT/JP2020/034543)
[87] (WO2021/049634)
[30] JP (2019-167553) 2019-09-13

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[51] **Int.Cl. A61K 31/737 (2006.01) A61K 31/727 (2006.01) A61K 31/733 (2006.01) A61K 31/736 (2006.01) A61P 11/02 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION**
[54] **COMPOSITION PHARMACEUTIQUE**
[72] FUJIEDA, SHIGEHARU, JP
[72] TAKABAYASHI, TETSUJI, JP
[72] YOSHIDA, KANAKO, JP
[72] WATANABE, HIDEKI, JP
[72] FUJIKAWA, KOKI, JP
[71] UNIVERSITY OF FUKUI, JP
[71] MANUHO CO., LTD., JP
[85] 2022-03-11
[86] 2020-09-18 (PCT/JP2020/035438)
[87] (WO2021/054440)
[30] JP (2019-170955) 2019-09-20

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[13] A1
[51] **Int.Cl. A61K 38/17 (2006.01) A61K 39/002 (2006.01) A61K 39/005 (2006.01) A61K 39/008 (2006.01) A61K 39/012 (2006.01) A61K 39/015 (2006.01)**
[25] EN
[54] **ANTI-PARASITIC IMMUNOLOGICAL COMPOSITIONS**
[54] **COMPOSITIONS IMMUNOLOGIQUES ANTIPARASITAIRES**
[72] DAVIS, PAUL, US
[72] AL-MURRANI, SAMER, US
[71] PROMMUNE, INC., US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, US
[85] 2022-03-11
[86] 2019-09-13 (PCT/US2019/050963)
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[30] US (62/731,353) 2018-09-14

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[51] **Int.Cl. A01N 59/00 (2006.01) A01P 23/00 (2006.01)**
[25] EN
[54] **OZONE TREATMENT FOR ELIMINATION OF PATHOGENS**
[54] **TRAITEMENT A L'OZONE POUR L'ELIMINATION D'AGENTS PATHOGENES**
[72] ELLSWORTH, JILL LYNN, US
[72] ELLSWORTH, JASON R., US
[71] WILLOWPURE, LLC, US
[85] 2022-03-11
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[87] (WO2021/054930)

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[51] **Int.Cl. F21V 8/00 (2006.01) G02B 5/18 (2006.01) G02B 6/12 (2006.01)**
[25] EN
[54] **MULTIBEAM BACKLIGHT, MULTIVIEW DISPLAY, AND METHOD WITH DIFFRACTION GRATING FILLING FRACTION**
[54] **RETROECLAIRAGE A FAISCEAUX MULTIPLES, UNITE D'AFFICHAGE A VUES MULTIPLES ET PROCEDE AVEC FRACTION DE REMPLISSAGE DE RESEAU DE DIFFRACTION**
[72] FATTAL, DAVID A., US
[72] LOWNEY, JOSEPH D., US
[71] LEIA INC., US
[85] 2022-03-11
[86] 2019-10-15 (PCT/US2019/056401)
[87] (WO2021/076113)

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[51] **Int.Cl. B24B 9/04 (2006.01) A63C 1/30 (2006.01) A63C 3/10 (2006.01) B24B 1/00 (2006.01) B24B 3/00 (2006.01) B24B 21/00 (2006.01) B24B 21/20 (2006.01)**
[25] EN
[54] **AUTOMATIC BLADE HOLDER**
[54] **PORTE-LAME AUTOMATIQUE**
[72] ERIKSSON, MAGNUS, SE
[72] ASTROM, ANTON, SE
[71] PROSHARP INC., US
[85] 2022-03-11
[86] 2020-09-03 (PCT/US2020/049166)
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[30] US (62/898,989) 2019-09-11

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[51] **Int.Cl. A61K 8/81 (2006.01) A61K 8/19 (2006.01) A61K 8/25 (2006.01) A61K 8/30 (2006.01) A61Q 17/04 (2006.01)**
[25] EN
[54] **HIGH SPF SUNSCREEN COMPOSITIONS**
[54] **COMPOSITIONS D'ECRAN SOLAIRE A SPF ELEVE**
[72] BONHAM, SOPHIE, US
[72] PATEL, DENISHA, US
[71] VI-JON, LLC, US
[85] 2022-03-11
[86] 2020-09-09 (PCT/US2020/049825)
[87] (WO2021/050469)
[30] US (62/900,041) 2019-09-13
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[51] **Int.Cl. A61M 1/14 (2006.01) A61K 38/00 (2006.01) A61K 38/50 (2006.01) A61K 45/06 (2006.01) A61M 1/34 (2006.01) C12N 9/78 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR MODULATING ADMA IN BLOOD**
[54] **DISPOSITIFS ET PROCEDES DE MODULATION DE L'ADMA DANS LE SANG**
[72] SINGH, JAIPAL, US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
[85] 2022-03-11
[86] 2020-09-10 (PCT/US2020/050158)
[87] (WO2021/050695)
[30] US (62/899,763) 2019-09-13

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[51] **Int.Cl. G06Q 10/06 (2012.01) G06N 20/00 (2019.01) G06Q 30/00 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROACTIVE CLIENT RELATIONSHIP ANALYSIS**
[54] **PROCEDE ET SYSTEME D'ANALYSE PROACTIVE DE RELATIONS CLIENTS**
[72] SAHNI, PRAVEEN, US
[72] SLEPKO, BRIAN, US
[72] MACKERETH, CRAIG, US
[71] RIMINI STREET, INC., US
[85] 2022-03-11
[86] 2020-09-10 (PCT/US2020/050182)
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[30] US (16/570,432) 2019-09-13

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[51] **Int.Cl. C12N 9/12 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **MODIFIED BACTERIAL RETROELEMENT WITH ENHANCED DNA PRODUCTION**
[54] **RETROELEMENT BACTERIEN MODIFIE AVEC PRODUCTION D'ADN AMELIOREE**
[72] SHIPMAN, SETH, US
[71] THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050323)
[87] (WO2021/050822)
[30] US (62/899,625) 2019-09-12

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-CD371 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-CD371 ET LEURS UTILISATIONS**
[72] DANIYAN, ANTHONY, US
[72] BRENTJENS, RENIER J., US
[72] LORENZ, IVO C., US
[72] POHL, MARY ANN, US
[71] TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, INC., US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050380)
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[30] US (62/900,118) 2019-09-13
[30] US (62/936,913) 2019-11-18

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[25] EN
[54] **ANTIGEN RECOGNIZING RECEPTORS TARGETING CD371 AND USES THEREOF**
[54] **RECEPTEURS DE RECONNAISSANCE D'ANTIGENE CIBLANT CD371 ET LEURS UTILISATIONS**
[72] DANIYAN, ANTHONY, US
[72] BRENTJENS, RENIER J., US
[72] LORENZ, IVO C., US
[72] POHL, MARY ANN, US
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[71] TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, INC., US
[71] MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES, US
[71] SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050386)
[87] (WO2021/050862)
[30] US (62/900,141) 2019-09-13
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[51] **Int.Cl. E04H 4/12 (2006.01) E04H 4/16 (2006.01) F04B 49/06 (2006.01) F04D 15/00 (2006.01) F04D 15/02 (2006.01)**
[25] EN
[54] **SWIMMING POOL PRESSURE AND FLOW CONTROL PUMPING AND WATER DISTRIBUTION SYSTEMS AND METHODS**
[54] **PROCEDES ET SYSTEMES DE DISTRIBUTION D'EAU ET DE POMPAGE A REGULATION DE DEBIT ET DE PRESSION POUR PISCINE**
[72] GOETTL, STEVEN JAMES, US
[72] CONN, DOMINIC, US
[72] GOETTL, JOHN M., US
[72] WALDEN, MARK, US
[71] HAYWARD INDUSTRIES, INC., US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050481)
[87] (WO2021/050932)
[30] US (62/899,021) 2019-09-11

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[51] **Int.Cl. A61K 31/501 (2006.01) A61P 5/14 (2006.01) C07D 237/14 (2006.01) C07D 403/12 (2006.01)**
[25] EN
[54] **THYROID HORMONE RECEPTOR BETA AGONIST COMPOUNDS**
[54] **COMPOSES AGONISTES DU RECEPTEUR BETA DE L'HORMONE THYROIDIENNE**
[72] KIRSCHBERG, THORSTEN A., US
[72] HALCOMB, RANDALL, US
[72] XU, YINGZI, US
[72] ROMERO, F. ANTHONY, US
[71] TERNS PHARMACEUTICALS, INC., US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050497)
[87] (WO2021/050945)
[30] US (62/899,581) 2019-09-12

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[51] **Int.Cl. A61K 31/18 (2006.01) A61K 31/198 (2006.01) A61K 33/14 (2006.01) A61K 33/30 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **RUBIDIUM AND/OR ZINC COMPOUNDS FOR TREATING PARKINSON'S AND OTHER NEURODEGENERATIVE DISEASES**
[54] **COMPOSES DE RUBIDIUM ET/OU DE ZINC POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON ET D'AUTRES MALADIES NEURODEGENERATIVES**
[72] NOVAK, PETER, US
[72] TEMNIKOV, MAXIM, US
[72] BALAKIN, OLEKSANDR, UA
[71] VECTOR VITALE IP LLC, US
[85] 2022-04-11
[86] 2019-10-11 (PCT/US2019/055770)
[87] (WO2021/071499)

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[51] **Int.Cl. F03D 7/04 (2006.01) F03D 7/02 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING AN OPERATING CONDITION OF A WIND TURBINE**
[54] **SYSTEME ET PROCEDE DE DETERMINATION D'UNE CONDITION DE FONCTIONNEMENT D'UNE EOLIENNE**
[72] BRODY, ANDREW, US
[72] BRIGGS, FRED, US
[71] THE AES CORPORATION, US
[85] 2022-04-11
[86] 2020-10-07 (PCT/US2020/054493)
[87] (WO2021/071884)
[30] US (16/599,255) 2019-10-11

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[51] **Int.Cl. A24F 40/465 (2020.01) H05B 6/10 (2006.01)**
[25] EN
[54] **AEROSOL-GENERATING DEVICE FOR INDUCTIVE HEATING OF AN AEROSOL-FORMING SUBSTRATE**
[54] **DISPOSITIF DE GENERATION D'AEROSOL POUR CHAUFFAGE PAR INDUCTION D'UN SUBSTRAT DE FORMATION D'AEROSOL**
[72] COURBAT, JEROME CHRISTIAN, CH
[72] MIRONOV, OLEG, CH
[72] STURA, ENRICO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2022-04-11
[86] 2020-10-29 (PCT/EP2020/080341)
[87] (WO2021/083986)
[30] EP (19206547.2) 2019-10-31

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[13] A1
[51] **Int.Cl. G06F 16/248 (2019.01) G06Q 30/02 (2012.01) G06F 16/26 (2019.01) G06F 16/9038 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING AND DISPLAYING INVESTMENT ANALYTICS**
[54] **SYSTEME ET PROCEDE PERMETTANT DE GENERER ET D'AFFICHER DES ANALYSES D'INVESTISSEMENT**
[72] SHANNON, CATHERINE IRENE, US
[71] SHANNON, CATHERINE IRENE, US
[85] 2022-04-11
[86] 2020-10-08 (PCT/US2020/054867)
[87] (WO2021/072133)
[30] US (62/913,039) 2019-10-09

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[13] A1
[51] **Int.Cl. G06F 21/55 (2013.01) G06Q 20/32 (2012.01) G06Q 20/34 (2012.01)**
[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER-ACCESSIBLE MEDIUM FOR BLOCKING MALICIOUS EMV TRANSACTIONS**
[54] **SYSTEME, PROCEDE, ET SUPPORT ACCESSIBLE PAR ORDINATEUR POUR BLOQUER DES TRANSACTIONS EMV**
[72] LUTZ, WAYNE, US
[72] RULE, JEFFREY, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-04-11
[86] 2020-10-08 (PCT/US2020/054829)
[87] (WO2021/076404)
[30] US (16/653,305) 2019-10-15

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[13] A1
[51] **Int.Cl. C12N 15/115 (2010.01) A61K 31/7115 (2006.01)**
[25] EN
[54] **NUCLEIC ACID COMPOUNDS THAT BIND TO RETINOIC ACID-INDUCIBLE GENE I PROTEIN**
[54] **COMPOSES D'ACIDE NUCLEIQUE QUI SE LIENT A LA PROTEINE I DU GENE INDUCTIBLE PAR L'ACIDE RETINOIQUE**
[72] JANJIC, NEBOJSA, US
[72] GELINAS, AMY, US
[71] SOMALOGIC OPERATING CO., INC., US
[85] 2022-04-11
[86] 2020-10-15 (PCT/US2020/055711)
[87] (WO2021/076713)
[30] US (62/915,842) 2019-10-16

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[13] A1
[51] **Int.Cl. A61K 31/4745 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMBINED INHIBITION OF PD-1, TGF.BETA. AND ATM TOGETHER WITH RADIOTHERAPY FOR THE TREATMENT OF CANCER**
[54] **INHIBITION COMBINEE DE PD-1, TGFP ET ATM ASSOCIEE A UNE RADIOTHERAPIE POUR LE TRAITEMENT DU CANCER**
[72] LAN, YAN, US
[72] LAZORCHAK, ADAM S., US
[71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 4) LTD., GB
[71] ARES TRADING S.A., CH
[85] 2022-04-11
[86] 2020-11-02 (PCT/EP2020/080682)
[87] (WO2021/084124)
[30] US (62/929,379) 2019-11-01

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[13] A1
[51] **Int.Cl. A24B 15/12 (2006.01) A24B 15/167 (2020.01) A24B 15/14 (2006.01) A24B 15/16 (2020.01) A24F 47/00 (2020.01)**
[25] EN
[54] **AEROSOL-FORMING SUBSTRATE WITH NITROGEN-CONTAINING NUCLEOPHILIC COMPOUND**
[54] **SUBSTRAT DE FORMATION D'AEROSOL A COMPOSE NUCLEOPHILE CONTENANT DE L'AZOTE**
[72] AJITHKUMAR, ANU, CH
[72] DE PALO, DAMIEN, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2022-04-11
[86] 2020-12-15 (PCT/EP2020/086199)
[87] (WO2021/122583)
[30] EP (19217088.4) 2019-12-17

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01)**
[25] EN
[54] **SINGLE-DOMAIN ANTIBODIES DIRECTED AGAINST LILRB2**
[54] **ANTICORPS A DOMAINE UNIQUE DIRIGES CONTRE LILRB2**
[72] LOUSTAU, MARIA, FR
[72] HUNAULT, LISE, FR
[72] LANGLADE-DEMOYEN, PIERRE, FR
[72] CAUMARTIN, JULIEN, FR
[71] INVECTYS SAS, FR
[85] 2022-03-14
[86] 2020-09-18 (PCT/EP2020/076198)
[87] (WO2021/053199)
[30] EP (19306148.8) 2019-09-20

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[13] A1
[51] **Int.Cl. C12N 15/63 (2006.01) C12N 15/85 (2006.01) C12N 15/90 (2006.01)**
[25] EN
[54] **METHODS TO STABILIZE MAMMALIAN CELLS**
[54] **PROCEDES DE STABILISATION DE CELLULES DE MAMMIFERE**
[72] LEWIS, NATHAN E., US
[72] SPAHN, PHILIPP, US
[72] LI, SHANGZHONG, US
[72] HEFZI, HOOMAN, US
[72] SHAMIE, ISAAC, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-03-14
[86] 2020-10-09 (PCT/EP2020/078435)
[87] (WO2021/069675)
[30] US (62/913,324) 2019-10-10

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[51] **Int.Cl. A61B 10/02 (2006.01) A61B 5/053 (2021.01) A61B 10/00 (2006.01)**
[25] EN
[54] **BIOPSY SYSTEM HAVING TISSUE SAMPLE IMPEDANCE MEASUREMENT**
[54] **SYSTEME DE BIOPSIE AYANT UNE MESURE D'IMPEDANCE D'ECHANTILLON DE TISSU**
[72] BOYLE, BRIAN, US
[72] SAMPATH KUMARAN, RANJANI, US
[72] PELZEK, BRYON, US
[71] BARD PERIPHERAL VASCULAR, INC., US
[85] 2022-03-14
[86] 2019-09-20 (PCT/US2019/052180)
[87] (WO2021/054974)

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[13] A1
[51] **Int.Cl. A61K 35/22 (2015.01) C12N 5/07 (2010.01) A61K 35/44 (2015.01) C12N 5/10 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **ENDOTHELIAL AND SMOOTH MUSCLE LIKE TISSUE PRODUCED FROM URINE CELLS AND USES RELATED THERETO**
[54] **TISSUS DE TYPE MUSCLE ENDOTHELIAUX ET LISSES PRODUITS A PARTIR DE CELLULES URINAIRES ET UTILISATIONS ASSOCIEES**
[72] YOON, YOUNG-SUP, US
[72] SOHN, YOUNG-DOUG, US
[72] LEE, SANG-HO, US
[71] EMORY UNIVERSITY, US
[85] 2022-03-14
[86] 2020-07-10 (PCT/US2020/041537)
[87] (WO2021/055081)
[30] US (62/903,154) 2019-09-20

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[13] A1
[51] **Int.Cl. A61M 5/142 (2006.01) F04B 43/12 (2006.01)**
[25] EN
[54] **INFUSION PUMP APPARATUS HAVING CONVEX PLATEN SURFACE**
[54] **APPAREIL DE POMPE A PERFUSION AYANT UNE SURFACE DE PLATEAU CONVEXE**
[72] AZAPAGIC, AZUR, US
[72] BECK, KENT F., US
[72] STANFIELD, J., RYAN, US
[71] ZEVEX, INC., US
[85] 2022-03-14
[86] 2020-08-20 (PCT/US2020/047166)
[87] (WO2021/096578)
[30] US (16/683,735) 2019-11-14

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12N 5/071 (2010.01) A61K 31/00 (2006.01) A61K 38/39 (2006.01)**
[25] EN
[54] **VASCULOGENIC FIBROBLASTS**
[54] **FIBROBLASTES VASCULOGENIQUES**
[72] SEN, CHANDAN K., US
[72] SINGH, KANHAIYA, US
[72] ROY, SASHWATI, US
[72] YODER, MERVIN C., US
[72] TABASUM, SABA, US
[72] ABOU-HASHEM, AHMED SAFWAT, US
[72] GHATAK, SUBHADIP, US
[71] THE TRUSTEES OF INDIANA UNIVERSITY, US
[85] 2022-03-14
[86] 2020-09-18 (PCT/US2020/051603)
[87] (WO2021/055830)
[30] US (62/903,130) 2019-09-20
[30] US (62/906,140) 2019-09-26

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[13] A1
[51] **Int.Cl. G01S 19/50 (2010.01) G01S 19/22 (2010.01)**
[25] EN
[54] **DEVICE AND METHOD FOR AUTONOMOUSLY LOCATING A MOBILE VEHICLE ON A RAILWAY TRACK**
[54] **DISPOSITIF ET PROCEDE DE LOCALISATION AUTONOME D'UN VEHICULE MOBILE SUR UNE VOIE FERREE**
[72] LAVIRON, PHILIPPE, FR
[72] FERRERO, CEDRIK, FR
[72] SONG, YUXIANG, FR
[72] SIMEON, JENNIFER, US
[71] THALES, FR
[85] 2022-03-11
[86] 2019-09-12 (PCT/FR2019/000146)
[87] (WO2021/048471)

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[13] A1
[51] **Int.Cl. G06G 7/48 (2006.01)**
[25] EN
[54] **ROBOTIC SYSTEM SIMULATION ENGINE**
[54] **MOTEUR DE SIMULATION DE SYSTEME ROBOTIQUE**
[72] SUN, ZHOUWEN, US
[72] CLARY, WILLIAM ARTHUR, US
[72] CHAVEZ, KEVIN JOSE, US
[72] POTTAYIL, BEN VARKEY BENJAMIN, US
[72] PIDAPARTHI, ROHIT ARKA, US
[72] HAU, ROGER LAM, US
[72] MENON, SAMIR, US
[71] DEXTERITY, INC., US
[85] 2022-03-11
[86] 2020-09-28 (PCT/US2020/053073)
[87] (WO2021/080744)
[30] US (62/926,172) 2019-10-25

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[51] **Int.Cl. E21B 25/00 (2006.01) E21B 47/06 (2012.01) E21B 49/08 (2006.01) E21B 49/10 (2006.01)**
[25] EN
[54] **CORE SAMPLING AND ANALYSIS USING A SEALED PRESSURIZED VESSEL**
[54] **CAROTTAGE ET ANALYSE A L'AIDE D'UN RECIPIENT SOUS PRESSION SCELLE**
[72] WESTACOTT, DONALD CLIFFORD, US
[72] JONES, CHRISTOPHER MICHAEL, US
[72] VAN ZUILEKOM, ANTHONY HERMAN, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-03-11
[86] 2020-10-22 (PCT/US2020/056861)
[87] (WO2021/081202)
[30] US (62/925,620) 2019-10-24
[30] US (62/932,982) 2019-11-08

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[13] A1
[51] **Int.Cl. C08G 73/06 (2006.01) C08K 5/315 (2006.01) C08K 5/35 (2006.01) C08L 79/04 (2006.01)**
[25] EN
[54] **CURABLE COMPOSITIONS OF BENZOXAZINE AND PHTHALONITRILE RESINS**
[54] **COMPOSITIONS DURCISSABLES DE RESINES DE BENZOXAZINE ET DE PHTALONITRILE**
[72] TAO, TAO, US
[72] GAO, KUANQIANG, US
[72] BORJIGIN, NARASO, US
[71] HUNTSMAN ADVANCED MATERIALS AMERICAS LLC, US
[85] 2022-03-11
[86] 2020-10-30 (PCT/US2020/058107)
[87] (WO2021/087197)
[30] US (62/928,466) 2019-10-31

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[13] A1
[51] **Int.Cl. G06F 12/02 (2006.01) G06F 16/13 (2019.01) G06F 16/182 (2019.01) G06F 16/22 (2019.01)**
[25] EN
[54] **DISTRIBUTED COLUMNAR DATA SET STORAGE AND RETRIEVAL**
[54] **STOCKAGE ET RECUPERATION D'ENSEMBLE DE DONNEES EN COLONNE DISTRIBUE**
[72] BOWMAN, BRIAN PAYTON, US
[72] KEENER, GORDON LYLE, US
[72] KNIGHT, RICHARD TODD, US
[71] SAS INSTITUTE INC., US
[85] 2022-03-11
[86] 2020-11-13 (PCT/US2020/060379)
[87] (WO2021/101798)
[30] US (62/936,668) 2019-11-18
[30] US (62/971,288) 2020-02-07
[30] US (17/037,652) 2020-09-29
[30] US (17/038,859) 2020-09-30
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[30] US (17/039,584) 2020-09-30

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[54] **PHOSPHODIESTERASE INHIBITORS AND USE**
[54] **INHIBITEURS DE PHOSPHODIESTERASE ET LEUR UTILISATION**
[72] HAO, XIAOLIN, US
[71] NANJING ZHENGXIANG PHARMACEUTICALS CO., LTD., CN
[85] 2022-03-11
[86] 2020-09-23 (PCT/US2020/052260)
[87] (WO2021/061803)
[30] US (62/904,501) 2019-09-23
[30] US (62/968,755) 2020-01-31

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[25] EN
[54] **HIGH DENSITY LIPOPROTEIN-LIKE NANOPARTICLES AS INDUCERS OF FERROPTOSIS IN CANCER**
[54] **NANOPARTICULES DE TYPE LIPOPROTEINE HAUTE DENSITE EN TANT QU'INDUCTEURS DE LA FERROPTOSE DANS LE CANCER**
[72] RINK, JONATHAN S., US
[72] GORDON, LEO I., US
[72] THAXTON, C. SHAD, US
[71] NORTHWESTERN UNIVERSITY, US
[85] 2022-03-11
[86] 2020-09-18 (PCT/US2020/051549)
[87] (WO2021/055788)
[30] US (62/902,342) 2019-09-18

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[51] **Int.Cl. C08J 9/00 (2006.01) C08J 9/236 (2006.01) G02B 5/00 (2006.01)**
[25] EN
[54] **REVEALABLE SUBSTRATES AND METHODS OF PRODUCING AND USING SAID SUBSTRATES**
[54] **SUBSTRATS REVELABLES ET PROCEDES DE PRODUCTION ET D'UTILISATION DESDITS SUBSTRATS**
[72] GUZZO, JOHN V., US
[71] VIRTUAL GRAPHICS, LLC, US
[85] 2022-03-11
[86] 2020-09-18 (PCT/US2020/051451)
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[30] US (62/902,593) 2019-09-19

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[51] **Int.Cl. C12N 15/113 (2010.01) C12Q 1/682 (2018.01) C12N 9/22 (2006.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **NOVEL CLASS 2 TYPE II AND TYPE V CRISPR-CAS RNA-GUIDED ENDONUCLEASES**
[54] **NOUVELLES ENDONUCLEASES GUIDEES PAR ARN CRISPR-CAS DE CLASSE 2 DE TYPE II ET DE TYPE V**
[72] GIMENEZ, CARLA ALEJANDRA, US
[72] REPIZO, GUILLERMO DANIEL, US
[72] PEREYRA BONNET, FEDERICO ALBERTO, US
[72] CURTI, LUCIA ANA, US
[72] GOYTIA, FRANCO, US
[72] FARIAS, MARIA EUGENIA, AR
[71] CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNICAS (CONICET), AR
[71] SCIENCE SOLUTIONS LLC, US
[85] 2022-03-10
[86] 2020-09-10 (PCT/US2020/050237)
[87] (WO2021/050755)
[30] US (62/898,340) 2019-09-10
[30] US (63/058,448) 2020-07-29

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[51] **Int.Cl. G01N 33/68 (2006.01) A61K 49/00 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **METHODS OF DETECTING NEUROLOGICAL DISORDERS VIA BINDING TO PHOSPHORYLATED TAU PROTEIN**
[54] **METHODES DE DETECTION DE TROUBLES NEUROLOGIQUES PAR LIAISON A UNE PROTEINE TAU PHOSPHORYLEE**
[72] SARRAF, STELLA, US
[72] RASOOL, SUHAIL, US
[71] AMYDIS, INC., US
[85] 2022-03-11
[86] 2020-09-17 (PCT/US2020/051325)
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[30] US (62/902,265) 2019-09-18

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[25] EN
[54] **AUTOMATING THE CREATION OF LISTINGS USING AUGMENTED REALITY COMPUTER TECHNOLOGY**
[54] **AUTOMATISATION DE LA CREATION D'OFFRES A L'AIDE D'UNE TECHNOLOGIE INFORMATIQUE A REALITE AUGMENTEE**
[72] OH, BYONG MOK, US
[71] MERCARI, INC., US
[85] 2022-03-11
[86] 2020-09-16 (PCT/US2020/051066)
[87] (WO2021/055472)
[30] US (62/900,764) 2019-09-16
[30] US (16/773,177) 2020-01-27

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[25] EN
[54] **MICRO-NAVIGATION FOR A VEHICLE**
[54] **MICRO-NAVIGATION POUR UN VEHICULE**
[72] KENNEDY, JOHN C., US
[72] DEMCHUK, DARRIN, US
[72] KOPCHINSKY, SCOTT, US
[72] SON, DON, US
[71] PLATFORM SCIENCE, INC., US
[85] 2022-03-11
[86] 2020-09-16 (PCT/US2020/050940)
[87] (WO2021/055384)
[30] US (62/902,392) 2019-09-19
[30] US (17/022,027) 2020-09-15

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[51] **Int.Cl. B21D 22/02 (2006.01) B21D 26/047 (2011.01) B21D 53/88 (2006.01) B62D 25/08 (2006.01)**
[25] EN
[54] **FLANGED MEMBER**
[54] **ELEMENT A BRIDE**
[72] SHIMIZU, SATOSHI, JP
[72] ISHIZUKA, MASAYUKI, JP
[72] SAIKA, MASAYUKI, JP
[72] UENO, NORIEDA, JP
[71] SUMITOMO HEAVY INDUSTRIES, LTD., JP
[85] 2022-03-11
[86] 2020-12-09 (PCT/JP2020/045851)
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[30] JP (2020-006717) 2020-01-20

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[25] EN
[54] **METAL-SUPPORTED CELL UNIT**
[54] **UNITE DE CELLULE SUPPORTEE PAR DU METAL**
[72] SELBY, MARK, GB
[72] FREEMAN, EUAN NORMAN HARVEY, GB
[72] DOMANSKI, TOMASZ, GB
[72] NOBBS, CHRIS, GB
[71] CERES INTELLECTUAL PROPERTY COMPANY, GB
[85] 2022-04-12
[86] 2020-10-22 (PCT/EP2020/079783)
[87] (WO2021/078874)
[30] GB (1915438.4) 2019-10-24

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[51] **Int.Cl. C07K 14/705 (2006.01) C07K 14/72 (2006.01) C12N 1/00 (2006.01)**
[25] EN
[54] **THYROID HORMONE RECEPTOR BETA AGONIST COMPOUNDS**
[54] **COMPOSES AGONISTES DU RECEPTEUR BETA DE L'HORMONE THYROIDIENNE**
[72] KIRSCHBERG, THORSTEN A., US
[72] HALCOMB, RANDALL, US
[72] XU, YINGZI, US
[72] ROMERO, F. ANTHONY, US
[71] TERNS PHARMACEUTICALS, INC., KY
[85] 2022-02-23
[86] 2020-08-21 (PCT/US2020/047467)
[87] (WO2021/041237)
[30] US (62/891,078) 2019-08-23
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[51] **Int.Cl. A63F 13/33 (2014.01) A63F 13/34 (2014.01) A63F 13/352 (2014.01) A63F 13/44 (2014.01)**
[25] EN
[54] **PEER-TO-PEER MULTIPLAYER CLOUD GAMING ARCHITECTURE**
[54] **ARCHITECTURE DE JEU EN NUAGE MULTI-JOUEURS POSTE A POSTE**
[72] TODOROVIC, MICHAL, US
[71] GOOGLE LLC, US
[85] 2022-03-11
[86] 2021-03-10 (PCT/US2021/021734)
[87] (WO2021/183664)
[30] US (62/989,003) 2020-03-13

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[51] **Int.Cl. F24C 7/00 (2006.01) F24C 15/06 (2006.01)**
[25] EN
[54] **MODULAR ASSEMBLY FOR ELECTRIC FIREPLACE**
[54] **ENSEMBLE MODULAIRE POUR FOYER ELECTRIQUE**
[72] CROWE, MATTHEW ALFRED, CN
[71] GREENTOUCH USA, INC., US
[85] 2022-03-10
[86] 2020-09-24 (PCT/US2020/052486)
[87] (WO2021/061979)
[30] US (62/905,077) 2019-09-24
[30] US (16/714,310) 2019-12-13

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[51] **Int.Cl. F21V 29/70 (2015.01)**
[25] EN
[54] **MINIATURE LIGHTING MODULE AND LIGHTING FIXTURES USING SAME**
[54] **MODULE D'ECLAIRAGE MINIATURE ET APPAREILS D'ECLAIRAGE L'UTILISANT**
[72] DANESH, MICHAEL D., US
[72] CHEN, BENJAMIN PIN-CHUN, US
[72] YOUNG, WILLIAM WAI-LOONG, US
[72] LOTFI, AMIR, US
[71] DMF, INC., US
[85] 2022-03-11
[86] 2020-09-14 (PCT/US2020/050767)
[87] (WO2021/051101)
[30] US (62/899,348) 2019-09-12
[30] US (63/016,215) 2020-04-27
[30] US (63/045,250) 2020-06-29

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[13] A1
[51] **Int.Cl. B25J 21/02 (2006.01) B25J 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DEPLOYING A COLLABORATIVE ROBOT IN A GLOVEBOX**
[54] **SYSTEME ET PROCEDE POUR DEPLOYER UN ROBOT COLLABORATIF DANS UNE BOITE A GANTS**
[72] O'BRIEN, JAMES, GB
[72] SANDERSON, CHRIS, GB
[72] LOGAN, BEN, GB
[72] STEPHENS, SAMUEL T., GB
[71] ATKINS LIMITED, GB
[85] 2022-03-11
[86] 2020-09-18 (PCT/IB2020/058708)
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[30] US (62/902,267) 2019-09-18

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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 90/98 (2016.01) A61B 17/24 (2006.01) A61M 25/09 (2006.01)**
[25] EN
[54] **IMAGE GUIDED SURGERY SYSTEM GUIDE WIRE AND METHODS OF MANUFACTURE AND USE**
[54] **FIL DE GUIDAGE DE SYSTEME DE CHIRURGIE GUIDE PAR IMAGE ET PROCEDES DE FABRICATION ET D'UTILISATION**
[72] LESCH, PAUL, US
[72] HOUCK, ALEXANDER, US
[72] PIDDE, AARON, US
[72] HIGGINS, MATT, US
[71] ENTELLUS MEDICAL, INC., US
[85] 2022-03-11
[86] 2020-09-14 (PCT/US2020/050675)
[87] (WO2021/051060)
[30] US (62/899,999) 2019-09-13

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[13] A1
[51] **Int.Cl. E04F 19/02 (2006.01) C09J 9/00 (2006.01)**
[25] EN
[54] **JOINT SUPPORT INCLUDING ENCAPSULATED ADHESIVE**
[54] **SUPPORT DE JOINT COMPRENANT UN ADHESIF ENCAPSULE**
[72] KAMATH, MITHUN N., US
[72] ORF, NICHOLAS, US
[72] DIMITRAKOPOULOS, JAMES, US
[72] HOUSE, MICHAEL, US
[72] LEMBERGER, MICHAEL J., US
[72] CLINE, STEPHEN, US
[71] CERTAIN TEED GYPSUM, INC,, US
[85] 2022-03-11
[86] 2020-09-14 (PCT/US2020/050632)
[87] (WO2021/051041)
[30] US (62/900,193) 2019-09-13

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[51] **Int.Cl. B25J 9/00 (2006.01) B41M 5/00 (2006.01)**
[25] EN
[54] **MOBILE ROBOT PRINTING WITH WIND PROTECTION**
[54] **IMPRESSION DE ROBOT MOBILE AVEC PROTECTION CONTRE LE VENT**
[72] HERGET, PHILIPP JOSEF, US
[72] LEE, JEOGSEOP, US
[71] DUSTY ROBOTICS, INC., US
[85] 2022-03-11
[86] 2020-09-12 (PCT/US2020/050594)
[87] (WO2021/051026)
[30] US (62/900,278) 2019-09-13

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[13] A1
[51] **Int.Cl. A61K 31/353 (2006.01) C07D 311/68 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR RESCUING RETINAL AND CHOROIDAL STRUCTURE AND FUNCTION**
[54] **COMPOSITIONS ET METHODES POUR SAUVER LA STRUCTURE ET LA FONCTION RETINIENNES ET CHOROIDIENNES**
[72] GREEN, COLIN RICHARD, NZ
[72] NOR, NASIR MAT, NZ
[72] ETCHEBARNE, MONICA LILIANA ACOSTA, NZ
[72] DUFT, BRADFORD JAMES, US
[71] AUCKLAND UNISERVICES LIMITED, NZ
[71] OCUNEXUS THERAPEUTICS, INC., US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050579)
[87] (WO2021/051015)
[30] US (62/900,379) 2019-09-13
[30] US (62/903,504) 2019-09-20

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[13] A1
[51] **Int.Cl. A45D 44/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR HAIR DYE COLOR CONVERSION**
[54] **SYSTEME ET PROCEDE DE CONVERSION DE COULEUR DE COLORANT CAPILLAIRE**
[72] NASH, CODY Z., US
[72] PERKINS ADAMS, TERESA, US
[72] BYRNE, CHRISTOPHER, US
[72] CHRISTIE, ELIZABETH, US
[71] SURETINT TECHNOLOGIES, LLC, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050557)
[87] (WO2021/050996)
[30] US (16/569,561) 2019-09-12

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[13] A1
[51] **Int.Cl. C07D 409/12 (2006.01) A61K 31/443 (2006.01) A61K 31/4436 (2006.01) A61K 31/4439 (2006.01) A61K 31/444 (2006.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07D 401/12 (2006.01) C07D 405/12 (2006.01)**
[25] EN
[54] **HETEROARYLAMIDOPYRIDINOL DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING SAME AS ACTIVE INGREDIENT FOR PREVENTION OR TREATMENT OF AUTOIMMUNE DISEASE**
[54] **DERIVE D'HETEROARYLAMIDOPYRIDINOL ET COMPOSITION PHARMACEUTIQUE LE COMPRENANT EN TANT QUE PRINCIPE ACTIF POUR PREVENIR OU TRAITER UNE MALADIE AUTO-IMMUNE**
[72] JEONG, BYEONG-SEON, KR
[72] KIM, JUNG-AE, KR
[72] NAM, TAE-GYU, KR
[71] INNOVO THERAPEUTICS INC., KR
[85] 2022-03-11
[86] 2020-09-24 (PCT/KR2020/013003)
[87] (WO2021/060890)
[30] KR (10-2019-0117253) 2019-09-24

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[13] A1
[51] **Int.Cl. C12Q 1/6848 (2018.01) C12N 1/08 (2006.01) C12N 9/22 (2006.01)**
[25] EN
[54] **A NEW, NON-SPECIFIC THERMOLABILE NUCLEASE ACTIVE AT LOW TEMPERATURE, IN WIDE PH RANGE AND HIGH CONCENTRATION IN SALTS**
[54] **NOUVELLE NUCLEASE THERMOLABILE NON SPECIFIQUE ACTIVE A BASSE TEMPERATURE, DANS UNE LARGE PLAGE DE PH ET UNE CONCENTRATION ELEVEE EN SELS**
[72] OLSZEWSKI, MARCIN, PL
[72] WALKUSZ, RAFAL, PL
[72] LADEMAN, WIOLETA, PL
[72] BALSEWICZ, JAN, PL
[72] POPINIGIS, ARKADIUSZ, PL
[72] ZIETKOWSKI, DOMINIK, PL
[72] KUR, KRZYSZTOF, PL
[72] BRODZIK, ROBERT, PL
[71] BLIRT S.A., PL
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[86] 2020-09-14 (PCT/PL2020/000076)
[87] (WO2021/049960)
[30] PL (P.431144) 2019-09-13

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[51] **Int.Cl. A47K 10/48 (2006.01)**
[25] EN
[54] **SENSING DEVICES**
[54] **DISPOSITIFS DE DETECTION**
[72] JOLIN, BRIAN S., US
[72] MICLEA, COSMIN D., US
[72] RUIZ, RENZO FRANCESCO GIULIANO, AW
[72] LOMBARDO, ANDREA, IT
[71] JOLIN, BRIAN S., US
[71] MICLEA, COSMIN D., US
[71] RUIZ, RENZO FRANCESCO GIULIANO, AW
[71] LOMBARDO, ANDREA, IT
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050523)
[87] (WO2021/050963)
[30] US (62/898,755) 2019-09-11
[30] US (63/016,511) 2020-04-28

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[51] **Int.Cl. H04W 16/14 (2009.01) H04W 72/04 (2009.01) H04L 5/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR MULTICARRIER UNLICENSED HETEROGENEOUS CHANNEL ACCESS**
[54] **APPAREIL ET PROCEDES D'ACCES A UN CANAL HETEROGENE SANS LICENCE MULTIPORTEUSE**
[72] MUKHERJEE, AMITAV, US
[72] VAIDYA, MAULIK, US
[71] CHARTER COMMUNICATIONS OPERATING, LLC, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050512)
[87] (WO2021/050957)
[30] US (16/567,509) 2019-09-11

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[51] **Int.Cl. A61K 39/42 (2006.01) C07K 16/08 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS RELATED TO HUMAN NEUTRALIZING ANTIBODIES TO HEPATITIS B**
[54] **COMPOSITIONS ET METHODES SE RAPPORTANT A DES ANTICORPS NEUTRALISANTS HUMAINS DIRIGES CONTRE L'HEPATITE B**
[72] WANG, QIAO, US
[72] NUSSENZWEIG, MICHEL, US
[71] THE ROCKEFELLER UNIVERSITY, US
[85] 2022-03-11
[86] 2020-09-11 (PCT/US2020/050509)
[87] (WO2021/050954)
[30] US (62/898,735) 2019-09-11
[30] US (62/982,276) 2020-02-27

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[13] A1
[51] **Int.Cl. H02K 5/132 (2006.01) H02K 5/20 (2006.01)**
[25] EN
[54] **ELECTRICAL MOTOR WITH AN INTRINSIC COOLING SYSTEM**
[54] **MOTEUR ELECTRIQUE A SYSTEME DE REFROIDISSEMENT INTRINSEQUE**
[72] SUNDBERG, MIKAEL, SE
[72] GENCHEL, JONAS, SE
[72] STENIUS, IVAN, SE
[71] ZPARQ AB, SE
[85] 2022-03-11
[86] 2020-09-14 (PCT/SE2020/050857)
[87] (WO2021/049999)
[30] SE (1951033-8) 2019-09-12

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[51] **Int.Cl. A61K 31/7064 (2006.01) A61P 35/00 (2006.01) C07H 19/14 (2006.01)**
[25] EN
[54] **SELECTIVE INHIBITORS OF PROTEIN ARGININE METHYLTRANSFERASE 5 (PRMT5)**
[54] **INHIBITEURS SELECTIFS DE LA PROTEINE ARGININE METHYLTRANSFERASE 5 (PRMT5)**
[72] CAO, GANFENG, US
[72] LI, QUN, US
[72] ZHANG, HUAPING, US
[72] YU, HONGWU, US
[71] PRELUDE THERAPEUTICS INCORPORATED, US
[85] 2022-03-11
[86] 2020-09-18 (PCT/US2020/051563)
[87] (WO2021/055797)
[30] US (62/902,322) 2019-09-18

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[13] A1
[51] **Int.Cl. A61J 9/00 (2006.01) A61J 13/00 (2006.01) A61M 1/00 (2006.01) A61M 1/06 (2006.01) A61M 39/10 (2006.01) A61M 39/20 (2006.01) B01D 29/00 (2006.01) B01D 39/00 (2006.01)**
[25] EN
[54] **BREAST PUMP SYSTEM**
[54] **SYSTEME DE POMPE TIRE-LAIT**
[72] MILLER, JARED, US
[72] RUDOLPH, SAMANTHA, US
[72] DEPTALA, ARTHUR, US
[72] FEIT, COREY, US
[71] BABYATION INC., US
[85] 2022-03-14
[86] 2019-09-20 (PCT/US2019/052170)
[87] (WO2021/021223)
[30] US (16/525,022) 2019-07-29

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[13] A1
[51] **Int.Cl. B62J 1/00 (2006.01) B62J 1/08 (2006.01)**
[25] EN
[54] **BICYCLE SADDLE**
[54] **SELLE DE BICYCLETTE**
[72] GLUCK, LEWIS, US
[71] GLUCK, LEWIS, US
[85] 2022-03-09
[86] 2020-09-04 (PCT/US2020/070496)
[87] (WO2021/067981)
[30] US (16/590,409) 2019-10-02

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[13] A1
[51] **Int.Cl. B22F 1/16 (2022.01) B33Y 70/10 (2020.01) B22F 10/28 (2021.01) B22F 12/60 (2021.01) C01B 32/182 (2017.01) C01B 32/198 (2017.01) C01G 49/00 (2006.01)**
[25] EN
[54] **COMPOSITE POWDER WITH IRON BASED PARTICLES COATED WITH GRAPHENE MATERIAL**
[54] **POUDRE COMPOSITE AVEC PARTICULES A BASE DE FER ENROBEES DE MATERIAU DE GRAPHENE**
[72] JANSSON, ULF, SE
[72] TIDEN, SIMON, SE
[72] TAHER, MAMOUN, SE
[72] DIAZ, LUIS, SE
[72] REMONEN, TOMMI, FI
[71] GRAPHMATECH AB, SE
[85] 2022-03-11
[86] 2020-09-17 (PCT/SE2020/050870)
[87] (WO2021/054887)
[30] SE (1951052-8) 2019-09-17

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[13] A1
[51] **Int.Cl. C07D 311/80 (2006.01) A61K 31/352 (2006.01) C07B 41/12 (2006.01)**
[25] EN
[54] **ACETYLATION OF CANNABINOIDS USING SULFURIC ACID CATALYST**
[54] **ACETYLATION DE CANNABINOIDES A L'AIDE D'UN CATALYSEUR D'ACIDE SULFURIQUE**
[72] NOVITSKI, DAVID, CA
[71] NEXTLEAF SOLUTIONS LTD, CA
[85] 2022-03-12
[86] 2019-10-18 (PCT/CA2019/051482)
[87] (WO2021/046630)
[30] US (16/571,146) 2019-09-15

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[13] A1
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[54] **SYSTEME POUR LIMITER UN COURANT D'APPEL DANS UN POINT D'EXTREMITE DE BATTERIE**
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[71] LANDIS+GYR INNOVATIONS, INC., US
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[54] **SURGICAL STAPLING DEVICE WITH CARTRIDGE ASSEMBLY RETAINER**
[54] **DISPOSITIF D'AGRAFAGE CHIRURGICAL DOTE D'UNE STRUCTURE DE RETENUE D'ENSEMBLE CARTOUCHE**
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[71] COVIDIEN LP, US
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[54] **LOW TRAUMA WOUND DRESSINGS AND ADHESIVES FOR SAME**
[54] **PANSEMENTS A FAIBLE TRAUMATISME ET ADHESIFS POUR CEUX-CI**
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[72] YATES, MICHAEL STUART, GB
[71] SWM LUXEMBOURG, LU
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[54] **WELL SITE MACHINE LEARNING BASED ROD PUMP FAILURE PREDICTIONS**
[54] **PREDICTIONS DE DEFAILLANCE DE POMPE A TIGES BASEES SUR UN APPRENTISSAGE MACHINE SUR SITE DE PUITS**
[72] SAGHIR, FAHD, AU
[72] PASBEAU, XAVIER, FR
[72] BOGUSLAWSKI, BARTOSZ, FR
[72] BOUJONNIER, MATTHIEU, US
[72] BISSUEL-BEAUVAIS, LORYNE, CA
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
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[54] **IL-17A MODULATORS AND USES THEREOF**
[54] **MODULATEURS D'IL-17A ET LEURS UTILISATIONS**
[72] FATHEREE, PAUL R., US
[72] LINSELL, MARTIN S., US
[72] JACOBSEN, JOHN R., US
[72] VAN DER LINDEN, WOUTER A., US
[72] CHURCH, TIMOTHY J., US
[72] AQUINO, CLAUDIO, US
[72] PAULICK, MARGOT G., US
[71] DICE ALPHA, INC., US
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[54] **LC-MS METHODS FOR ANTIBODY ISOTYPING AND QUANTIFICATION**
[54] **PROCEDES LC-MS POUR L'ISOTYPAGE ET LA QUANTIFICATION D'ANTICORPS**
[72] XU, XIAOBIN, US
[72] HUANG, XIAOXIAO, US
[72] QIU, HAIBO, US
[72] LI, NING, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **BEVERAGE MACHINE**
[54] **MACHINE A BOISSON**
[72] SMITH, GEOFFREY Y., US
[72] WONG, KIM LAI, MY
[72] LEE, WEN YIN, MY
[72] LEE, KIT HONG, MY
[71] KEURIG GREEN MOUNTAIN, INC., US
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[54] **METHODS AND APPARATUS FOR AUTONOMOUS NETWORK SEGMENTATION**
[54] **PROCEDES ET APPAREIL DE SEGMENTATION DE RESEAU AUTONOME**
[72] GILBERT, THOMAS A., US
[72] SHARMA, MUKESH, US
[72] MIRMIRA, SRINIVAS R., US
[71] BLUE RIDGE NETWORKS, INC., US
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[54] **ONLINE LIVE VIDEO SALES MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE VENTES DE VIDEO EN DIRECT EN LIGNE**
[72] KRUSE, BRANDON, US
[71] COMMENTSOLD, LLC, US
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODIFYING A PLANT CHARACTERISTIC WITHOUT MODIFYING THE PLANT GENOME**
[54] **COMPOSITIONS ET PROCEDES POUR MODIFIER UNE CARACTERISTIQUE DE PLANTE SANS MODIFIER LE GENOME DE LA PLANTE**
[72] SHATTERS, ROBERT G., US
[72] STOVER, EDDIE W., US
[72] NIEDZ, RANDALL P., US
[72] HECK, MICHELLE L., US
[72] PITINO, MARCO, US
[72] GRANDO, MAGALI FERRARI, US
[72] KRYSTEL, JOSEPH, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE, US
[71] AGROSOURCE, INC., US
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[54] **METHODS FOR REDUCTION OF BITTERNESS IN CANNABINOIDS USING MYCELIAL MATERIALS**
[54] **PROCEDES POUR LA REDUCTION DE L'AMERTUME DANS DES CANNABINOIDES A L'AIDE DE MATERIELS MYCELIENS**
[72] LANGAN, JAMES PATRICK, US
[72] SONI, BHUPENDRA KUMAR, US
[72] CLARK, ANTHONY J., US
[72] SCHMIDT, LISA, US
[71] MYCOTECHNOLOGY, INC., US
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[54] **BRANCHED TAIL LIPID COMPOUNDS AND COMPOSITIONS FOR INTRACELLULAR DELIVERY OF THERAPEUTIC AGENTS**
[54] **COMPOSES LIPIDIQUES DE QUEUE RAMIFIES ET COMPOSITIONS POUR L'ADMINISTRATION INTRACELLULAIRE D'AGENTS THERAPEUTIQUES**
[72] BENENATO, KERRY E., US
[72] CORNEBISE, MARK, US
[72] HENNESSY, EDWARD, US
[72] KUMARASINGHE, ELLALAHEWAGE S., US
[71] MODERNATX, INC., US
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[54] **SINGLE CELL RNA-SEQ DATA PROCESSING**
[54] **TRAITEMENT DE DONNEES DE SEQ. D'ARN DE CELLULE UNIQUE**
[72] ATWAL, GURINDER SINGH, US
[72] LIM, WEI KEAT, US
[72] ZHANG, RUOYU, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[25] EN
[54] **SIMULTANEOUS DEHYDRATION, DIMERIZATION, AND METATHESIS OF C2-C5 ALCOHOLS**
[54] **DESHYDRATATION, DIMERISATION ET METATHESE SIMULTANEES D'ALCOOLS EN C2-C5**
[72] SMITH, JONATHAN, US
[72] SJODIN, MADELINE, US
[71] GEVO, INC., US
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[54] **RADIO RESOURCE MAPPING OF A FEEDBACK CHANNEL**
[54] **MAPPAGE DE RESSOURCES RADIO D'UN CANAL DE RETROACTION**
[72] HUI, BING, US
[72] DINAN, ESMAEL, US
[72] ZHOU, HUA, US
[72] CHAE, HYUKJIN, US
[72] YI, YUNJUNG, US
[71] OFINNO, LLC, US
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[51] **Int.Cl. G01V 9/00 (2006.01) G06N 3/02 (2006.01)**
[25] EN
[54] **HIGH-RESOLUTION EARTH MODELING USING ARTIFICIAL INTELLIGENCE**
[54] **MODELISATION DU SOL A HAUTE RESOLUTION A L'AIDE DE L'INTELLIGENCE ARTIFICIELLE**
[72] ZHANG, BARRY F., US
[72] MOHAMED, YASSER MOSAAD AHMED, US
[72] DE JESUS, ORLANDO, US
[72] COSTELLO, MICHAEL, US
[71] QUANTICO ENERGY SOLUTIONS LLC, US
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[51] **Int.Cl. C12N 15/11 (2006.01)**
[25] EN
[54] **METHOD OF TRANSACTIVATING A HOMOLOGOUS GENE OF A GENE OF INTEREST AND AN IN VITRO METHOD OF DIAGNOSING A DISEASE**
[54] **PROCEDE DE TRANSACTIVATION D'UN GENE HOMOLOGUE D'UN GENE D'INTERET ET PROCEDE IN VITRO DE DIAGNOSTIC D'UNE MALADIE**
[72] MICHALAKIS, STYLIANOS, DE
[72] BIEL, MARTIN, DE
[72] BECIROVIC, ELVIR, DE
[72] RIEDMAYR, LISA, DE
[72] SPLITH, VICTORIA, DE
[72] BOHM, SYBILLE, DE
[71] VIGENERON GMBH, DE
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[51] **Int.Cl. H04W 72/12 (2009.01)**
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[54] **A DECENTRALIZED SYNCHRONIZATION SOLUTION FOR WIRELESS COMMUNICATION NETWORKS**
[54] **SOLUTION DE SYNCHRONISATION DECENTRALISEE POUR RESEAUX DE COMMUNICATION SANS FIL**
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[72] KASEVA, VILLE, FI
[72] SALOKANNEL, JUHA, FI
[71] WIREPAS OY, FI
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[51] **Int.Cl. C08L 1/02 (2006.01) A23L 27/18 (2016.01) A23L 27/60 (2016.01) A23L 33/21 (2016.01) A23C 9/13 (2006.01) A23G 1/32 (2006.01) A23L 2/52 (2006.01) C08J 3/20 (2006.01)**
[25] EN
[54] **HOMOGENEOUS FIBER PRODUCT BASED ON BIO-OIL AND / OR WATER AND METHOD FOR THEIR PRODUCTION**
[54] **PRODUIT FIBREUX HOMOGENE A BASE DE BIO-HUILE ET/OU D'EAU ET SON PROCEDE DE PRODUCTION**
[72] DAHL, OLLI, FI
[72] PIETILAINEN, ANTTI, FI
[72] PEKKARINEN, TIMO, FI
[71] AALTO UNIVERSITY FOUNDATION SR, FI
[85] 2022-03-14
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[54] **EPIGENETIC PROFILING METHOD**
[54] **PROCEDE DE PROFILAGE EPIGENETIQUE**
[72] NEELY, ROBERT, GB
[72] FERNANDEZ-TRILLO, FRANCISCO, GB
[72] KENNEFICK, JACK, GB
[72] WILKINSON, ANDREW, GB
[71] THE UNIVERSITY OF BIRMINGHAM, GB
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[54] **APPAREIL ET METHODES POUR RESTAURER UN TISSU**
[72] PERKINS, D.H., US
[72] HAYES, RB EUGENE, US
[71] ALUCENT BIOMEDICAL, INC., US
[85] 2022-03-15
[86] 2020-07-31 (PCT/US2020/044499)
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[51] **Int.Cl. G02B 6/00 (2006.01) G02B 5/00 (2006.01)**
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[54] **LUMINAIRE A AUVENT**
[72] BAILEY, CHRISTOPHER, US
[72] HILL, THOMAS, US
[71] HUBBELL LIGHTING, INC., US
[85] 2022-03-15
[86] 2020-09-10 (PCT/US2020/050106)
[87] (WO2021/050668)
[30] US (62/898,480) 2019-09-10
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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **ANTI-TNFR2 ANTIBODIES AND METHODS OF USE**
[54] **ANTICORPS ANTI-TNFR2 ET METHODES D'UTILISATION**
[72] FILBERT, ERIN L., US
[72] KRISHNAN, SUSHMA, US
[72] TAN, CHRISTINE, US
[72] BAHJAT, RENA, US
[72] YANG, XIAODONG, US
[72] ALVARADO, RYAN, US
[71] APEXIGEN, INC., US
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[87] (WO2021/055253)
[30] US (62/901,364) 2019-09-17
[30] US (62/985,509) 2020-03-05
[30] US (63/047,824) 2020-07-02
[30] US (63/058,016) 2020-07-29

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[51] **Int.Cl. H04W 48/20 (2009.01) H04W 16/18 (2009.01) H04W 24/02 (2009.01)**
[25] EN
[54] **OFDMA OPTIMIZED STEERING IN WI-FI NETWORKS**
[54] **DIRECTION OPTIMISEE OFDMA DANS DES RESEAUX WI-FI**
[72] MCFARLAND, WILLIAM J., US
[71] PLUME DESIGN, INC., US
[85] 2022-03-15
[86] 2020-09-14 (PCT/US2020/050633)
[87] (WO2021/067025)
[30] US (62/909,338) 2019-10-02
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[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PROVIDING DENTAL SERVICES TO A PATIENT**
[54] **SYSTEME ET PROCEDE POUR FOURNIR DES SERVICES DENTAIRES A UN PATIENT**
[72] JOHNSON, ANDREW, US
[71] JOHNSON, ANDREW, US
[85] 2022-03-15
[86] 2020-09-15 (PCT/US2020/050912)
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[30] US (16/575,211) 2019-09-18

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[51] **Int.Cl. F16B 37/14 (2006.01) F16B 25/00 (2006.01) F16B 43/00 (2006.01)**
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[54] **REINFORCED CAP HEAD SCREWS**
[54] **VIS A TETE RENFORCEES**
[72] TSAI, HSIN-TE, TW
[72] TSAI, YA-LUN, TW
[71] CLARCORP INDUSTRIAL SALES, INC., US
[85] 2022-03-15
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[30] US (62/901,581) 2019-09-17

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[51] **Int.Cl. G06N 99/00 (2019.01) G06F 21/62 (2013.01)**
[25] EN
[54] **MAINTAINING DATA PRIVACY IN A SHARED DETECTION MODEL SYSTEM**
[54] **MAINTIEN DE LA CONFIDENTIALITE DE DONNEES DANS UN SYSTEME DE MODELE DE DETECTION PARTAGE**
[72] MA, YI-HUI, US
[72] PATTEN, WILLIE ROBERT, JR., US
[72] KELTON, EUGENE IRVING, US
[71] GREEN MARKET SQUARE LIMITED, US
[85] 2022-03-14
[86] 2020-09-15 (PCT/IB2020/058559)
[87] (WO2021/053508)
[30] US (16/577,749) 2019-09-20

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[51] **Int.Cl. C07K 16/22 (2006.01)**
[25] EN
[54] **ANTI-STEM CELL FACTOR ANTIBODIES AND METHODS OF USE THEREOF**
[54] **ANTICORPS ANTI-FACTEUR DE CELLULES SOUCHES ET LEURS PROCEDES D'UTILISATION**
[72] PHILLIPS, MARTIN, US
[71] OPSIDIO, LLC, US
[85] 2022-03-15
[86] 2020-09-16 (PCT/US2020/050973)
[87] (WO2021/055408)
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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 13/12 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-STEM CELL FACTOR ANTIBODIES AND METHODS OF USE THEREOF IN RENAL DISEASE**
[54] **ANTICORPS ANTI-FACTEUR DE CELLULES SOUCHES ET LEURS PROCEDES D'UTILISATION DANS UNE MALADIE RENALE**
[72] PHILLIPS, MARTIN, US
[71] OPSIDIO, LLC, US
[85] 2022-03-15
[86] 2020-09-16 (PCT/US2020/050974)
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[51] **Int.Cl. A61B 5/055 (2006.01) G01R 33/56 (2006.01)**
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[54] **GENERATION D'IMAGES IRM DU FOIE**
[72] KNOBLOCH, GESINE, DE
[72] LIENERTH, CHRISTIAN, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[51] **Int.Cl. A47J 43/12 (2006.01) F24H 15/00 (2022.01) A47J 31/44 (2006.01)**
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[54] **METHOD AND APPARATUS FOR BEVERAGE FROTHING**
[54] **PROCEDE ET APPAREIL POUR FAIRE MOUSSER UNE BOISSON**
[72] CONROY, PAUL, US
[72] MACLEAN, TIMOTHY JAMES, US
[72] LIUZZA, MARIO, US
[71] KEURIG GREEN MOUNTAIN, INC., US
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[54] **FORECAST OF MRI IMAGES BY MEANS OF A FORECAST MODEL TRAINED BY SUPERVISED LEARNING**
[54] **PREVISION D'IMAGES IRM AU MOYEN D'UN MODELE DE PREVISION ENTRAINE PAR APPRENTISSAGE SUPERVISE**
[72] ROHRER, MARTIN, DE
[72] UBER III, ARTHUR, US
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **CAMPHORSULFONIC ACID AND COMBINATIONS THEREOF WITH CATIONIC EXCIPIENTS AS VISCOSITY REDUCING AGENTS IN HIGH CONCENTRATED PROTEIN FORMULATIONS**
[54] **ACIDE CAMPHOSULFONIQUE ET LEURS COMBINAISONS AVEC DES EXCIPIENTS CATIONIQUES UTILISES EN TANT QU'AGENTS REDUCTEURS DE VISCOSITE DANS DES FORMULATIONS DE PROTEINES CONCENTREES ELEV EES**
[72] ROSENKRANZ, TOBIAS, DE
[72] GUEBELI, RAPHAEL JOHANNES, DE
[72] HENZLER, TANJA, DE
[72] KROG, ALEXANDRA, DE
[72] HILDEBRANDT, CHRISTIAN, DE
[71] MERCK PATENT GMBH, DE
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[54] **ANTI-NRP1A ANTIBODIES AND THEIR USES FOR TREATING EYE OR OCULAR DISEASES**
[54] **ANTICORPS ANTI-NRP1A ET LEURS UTILISATIONS POUR LE TRAITEMENT DE MALADIES DES YEUX OU OCULAIRES**
[72] ZIPPEL, NINA, DE
[72] GUPTA, PANKAJ, US
[72] HAN, FEI, US
[72] HUANG, YINING, US
[72] LOW, SARAH, US
[72] PRESTLE, JUERGEN, DE
[72] THOMAS, LEO, DE
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
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[54] **MODIFIED VESICULAR STOMATITIS VIRUS GLYCOPROTEIN AND USES THEREOF FOR THE TREATMENT OF BRAIN TUMORS**
[54] **GLYCOPROTEINE DU VIRUS DE LA STOMATITE VESICULAIRE MODIFIEE ET SES UTILISATIONS POUR LE TRAITEMENT DE TUMEURS CEREBRALES**
[72] VANDERMEULEN, GAELLE, BE
[72] LOPES, ALESSANDRA, BE
[72] BASTIANCICH, CHIARA, FR
[72] PREAT, VERONIQUE, BE
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
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[54] **LABELLING OF BIOMOLECULES**
[54] **MARQUAGE DE BIOMOLECULES**
[72] NEELY, ROBERT, GB
[72] FERNANDEZ-TRILLO, FRANCISCO, GB
[72] JAGO, ELODIE, GB
[72] WILKINSON, ANDREW, GB
[71] THE UNIVERSITY OF BIRMINGHAM, GB
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[25] EN
[54] **A METHOD FOR DETERMINING PLACEMENT OF PARALLEL-KINEMATIC MACHINE JOINTS, AND A PARALLELKINEMATIC MACHINE WITH HIGH STIFFNESS**
[54] **PROCEDE DE DETERMINATION DE POSITIONNEMENT D'ARTICULATIONS DE MACHINE CINEMATIQUE PARALLELE, ET MACHINE CINEMATIQUE PARALLELE A RIGIDITE ELEVEE**
[72] BROGARDH, TORGNY, SE
[72] NILSSON, KLAS, SE
[72] HELGOSSON, PETER, GB
[71] COGNIBOTICS AB, SE
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[54] **SYSTEMS AND METHODS FOR DETECTION AND PREVENTION OF EMERGENCE OF AGITATION**
[54] **SYSTEMES ET PROCEDES DE DETECTION ET DE PREVENTION D'APPARITION D'AGITATION**
[72] YOCCA, FRANK D., US
[72] DE VIVO, MICHAEL, US
[72] RISINGER, ROBERT, US
[72] SETH, SUBHENDU, IN
[72] MAJERNIK, MARTIN, SK
[72] KARLIN, DANIEL R., US
[72] JEMISON, JAMILEH, US
[72] WALD, ALEXANDER, SK
[72] AMAVEL DOS SANTOS PINHEIRO, MIGUEL, CZ
[71] BIOXCEL THERAPEUTICS, INC., US
[85] 2022-03-15
[86] 2020-09-17 (PCT/US2020/051256)
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[54] **TAPE DISPENSER**
[54] **DISTRIBUTEUR DE RUBAN**
[72] VAN DER VYVER, MARTHINUS JOHANNES, ZA
[71] MIJOVY (PTY) LIMITED, ZA
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[25] FR
[54] **BRUSH WITH A DETACHABLE HANDLE HELD BY A MAGNET**
[54] **BROSSE A MANCHE AMOVIBLE RETENU PAR AIMANT**
[72] NICOUD, SEBASTIEN, FR
[71] SCPI, FR
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[25] EN
[54] **COMPOSITE POLYMER ELECTROLYTE MEMBRANE, ELECTROLYTE MEMBRANE WITH CATALYST LAYER, MEMBRANE-ELECTRODE ASSEMBLY, AND SOLID POLYMER FUEL CELL**
[54] **MEMBRANE ELECTROLYTIQUE POLYMERE COMPOSITE, MEMBRANE ELECTROLYTIQUE AVEC COUCHE CATALYTIQUE, ENSEMBLE MEMBRANE-ELECTRODE ET PILE A COMBUSTIBLE A POLYMERE SOLIDE**
[72] KUNITA, TOMOYUKI, JP
[72] MINAMIBAYASHI, KENTA, JP
[72] OGATA, DAISUKE, JP
[72] IZUHARA, DAISUKE, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2022-03-14
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[25] EN
[54] **COMPOSITE ELECTROLYTE MEMBRANE, ELECTROLYTE MEMBRANE HAVING CATALYST LAYER ATTACHED THERETO, MEMBRANE-ELECTRODE COMPOSITE, SOLID POLYMER-TYPE FUEL CELL, AND METHOD FOR PRODUCING COMPOSITE ELECTROLYTE MEMBRANE**
[54] **MEMBRANE ELECTROLYTIQUE COMPOSITE, MEMBRANE ELECTROLYTIQUE AYANT UNE COUCHE CATALYTIQUE FIXEE A CETTE DERNIERE, COMPOSITE MEMBRANE-ELECTRODE, PILE A COMBUSTIBLE DE TYPE POLYMERE SOLIDE, ET PROCEDE DE PRODUCTION DE MEMBRANE ELECTROLYTIQUE COMPOSITE**
[72] MINAMIBAYASHI, KENTA, JP
[72] KUNITA, TOMOYUKI, JP
[72] OGATA, DAISUKE, JP
[72] IZUHARA, DAISUKE, JP
[71] TORAY INDUSTRIES, INC., JP
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[54] **DEVICES FOR AIDING CONCEPTION**
[54] **DISPOSITIFS D'AIDE A LA PROCREATION**
[72] SINA RAJA, PRUSOTHMAN M., SG
[72] TEE, CHEE KEONG, SG
[72] MURALI, VIVEK, SG
[72] XU, ZONGYUAN, SG
[72] PANDI CHELVAM, SHRUTHI, SG
[71] HANNAH LIFE TECHNOLOGIES PTE. LTD., SG
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[86] 2020-09-19 (PCT/IB2020/058747)
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[30] US (62/902,491) 2019-09-19
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[54] **GNSS ANTENNA SYSTEMS, ELEMENTS AND METHODS**
[54] **SYSTEMES, ELEMENTS ET PROCEDES D'ANTENNE GNSS**
[72] PANTHER, GYLES, CA
[72] HAUTCOEUR, JULIEN, CA
[72] MOVAHEDINIA, REZA, CA
[72] WIGHT, JAMES STUART, CA
[71] TALLYSMAN WIRELESS INC., CA
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[51] **Int.Cl. E21B 7/08 (2006.01)**
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[54] **DRILL ASSEMBLY AND METHOD OF USING SAME**
[54] **ENSEMBLE DE FORAGE ET SON PROCEDE D'UTILISATION**
[72] BISCHOFF, NICOLAS JACOBUS, ZA
[71] ORYC DRILL MANUFACTURING (PTY) LTD., ZA
[85] 2022-03-15
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[51] **Int.Cl. G06N 20/00 (2019.01) G06F 17/18 (2006.01)**
[25] EN
[54] **COMPUTER-BASED SYSTEMS, COMPUTING COMPONENTS AND COMPUTING OBJECTS CONFIGURED TO IMPLEMENT DYNAMIC OUTLIER BIAS REDUCTION IN MACHINE LEARNING MODELS**
[54] **SYSTEMES INFORMATIQUES, COMPOSANTS INFORMATIQUES ET OBJETS INFORMATIQUES CONFIGURES POUR METTRE EN □UVRE UNE REDUCTION DYNAMIQUE DE BIAIS D'OBSERVATIONS ABERRANTES DANS DES MODELE S D'APPRENTISSAGE MACHINE**
[72] JONES, RICHARD B., US
[71] HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY, US
[85] 2022-03-15
[86] 2020-09-18 (PCT/US2020/051627)
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[30] US (62/902,074) 2019-09-18

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[51] **Int.Cl. A61K 47/64 (2017.01) C07K 7/08 (2006.01)**
[25] EN
[54] **BICYCLIC PEPTIDE LIGAND DRUG CONJUGATES**
[54] **CONJUGUES DE MEDICAMENT A LIGAND PEPTIDIQUE BICYCLIQUE**
[72] BESWICK, PAUL, GB
[72] MUDD, GEMMA, GB
[72] RIGBY, MICHAEL, GB
[71] BICYCLETX LIMITED, GB
[85] 2022-03-15
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[30] GB (1914872.5) 2019-10-15

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[51] **Int.Cl. A47J 31/54 (2006.01) F24H 9/18 (2022.01)**
[25] EN
[54] **BEVERAGE MACHINE HEATED WATER SOURCE WITH HORIZONTAL HEATING COIL**
[54] **SOURCE D'EAU CHAUFFEE DE MACHINE A PREPARER DES BOISSONS, DOTEE DE SERPENTIN DE CHAUFFAGE HORIZONTAL**
[72] MIKKELSEN, BLAIR, US
[72] MACKEY, STEVEN, US
[72] COUTURE, JOHN, US
[71] KEURIG GREEN MOUNTAIN, INC., US
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[86] 2020-09-21 (PCT/US2020/051745)
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[30] US (62/904,788) 2019-09-24

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[51] **Int.Cl. B62D 63/08 (2006.01) G05B 19/418 (2006.01) G07C 5/00 (2006.01)**
[25] EN
[54] **A FREIGHT MOBILITY SYSTEM**
[54] **SYSTEME DE MOBILITE DE FRET**
[72] SREERAM, DURGA VENKATA PRASAD, IN
[72] KATTA, RAMA MOHAN, IN
[71] COGOS TECHNOLOGIES PVT. LTD, IN
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[51] **Int.Cl. C22B 3/00 (2006.01) C22B 3/06 (2006.01) C22B 3/22 (2006.01) C22B 3/38 (2006.01) C22B 3/44 (2006.01) C25C 1/16 (2006.01) C22B 19/00 (2006.01)**
[25] EN
[54] **AN IMPROVED PROCESS FOR THE RECOVERY OF ZINC FROM ZINC-BEARING RAW MATERIALS**
[54] **PROCEDE AMELIORE POUR LA RECUPERATION DE ZINC A PARTIR DE MATIERES PREMIERES CONTENANT DU ZINC**
[72] MEJIAS CORDERO, ANA BELEN, ES
[72] PECHARROMAN MERCADO, EMILIO, ES
[72] FRADES TAPIA, MARIA, ES
[72] SANGUILINDA SOLAN, SERGIO, ES
[71] TECNICAS REUNIDAS, S.A., ES
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[87] (WO2021/074124)
[30] EP (19382898.5) 2019-10-14

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[51] **Int.Cl. C07D 401/12 (2006.01)**
[25] EN
[54] **BIAMINOQUINOLINES AND NANOFORMULATIONS FOR CANCER TREATMENT**
[54] **BIAMINOQUINOLINES ET NANOFORMULATIONS POUR LE TRAITEMENT DU CANCER**
[72] LI, YUANPEI, US
[72] MA, ZHAO, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-03-15
[86] 2020-09-18 (PCT/US2020/051430)
[87] (WO2021/055705)
[30] US (62/902,156) 2019-09-18

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 11/06 (2006.01) C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING LATE-ONSET ASTHMA USING BENRALIZUMAB**
[54] **BENRALIZUMAB A UTILISER DANS DES PROCEDES DE TRAITEMENT DE L'ASTHME A DEBUT TARDIF**
[72] HIRSCH, IAN, US
[72] NEWBOLD, PAUL, US
[71] ASTRAZENECA AB, SE
[85] 2022-03-14
[86] 2020-09-25 (PCT/IB2020/058988)
[87] (WO2021/059221)
[30] US (62/907,270) 2019-09-27

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[51] **Int.Cl. A61B 5/021 (2006.01) A61B 5/0537 (2021.01) A01K 13/00 (2006.01) A01K 29/00 (2006.01) A61B 5/024 (2006.01) A61B 5/0245 (2006.01) A61B 5/026 (2006.01) A61B 5/0295 (2006.01) G01G 17/08 (2006.01)**
[25] EN
[54] **METHOD AND EXAMINATION APPARATUS FOR MEDICAL EXAMINATION OF AN ANIMAL**
[54] **PROCEDE ET APPAREIL D'EXAMEN POUR L'EXAMEN MEDICAL D'UN ANIMAL**
[72] ANLIKER, URS, CH
[72] BAUER, STEFAN, CH
[72] BURGENER, MARCO, CH
[72] KAUTH, CHRISTIAN, CH
[72] FLETH-JAMES, JEANNINE, DE
[72] FORBERGER, REINHARD, DE
[72] HAAG-DIERGARTEN, SILKE, DE
[72] POLOTZEK, DAGMAR, DE
[72] RAHMEL, DANIELA KATHARINA, DE
[72] ZIMMERING, TANJA MARGRIT, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2022-03-15
[86] 2020-10-15 (PCT/EP2020/079045)
[87] (WO2021/074297)
[30] EP (19203849.5) 2019-10-17
[30] EP (19203861.0) 2019-10-17

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[51] **Int.Cl. G02F 1/01 (2006.01) G02B 6/10 (2006.01) G02B 27/00 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **LIGHTGUIDE OPTICAL ELEMENT FOR POLARIZATION SCRAMBLING**
[54] **ELEMENT OPTIQUE DE GUIDE DE LUMIERE POUR BROUILLAGE DE POLARISATION**
[72] GILO, MOTKE, IL
[72] EISENFELD, TSION, IL
[72] DANZIGER, YOCHAY, IL
[71] LUMUS LTD., IL
[85] 2022-03-15
[86] 2020-11-10 (PCT/IL2020/051166)
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[30] IL (270991) 2019-11-27

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[51] **Int.Cl. A61M 25/10 (2013.01) A61F 7/00 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **INFUSION CATHETER AND METHODS OF USE**
[54] **CATHETER DE PERFUSION ET PROCEDES D'UTILISATION**
[72] SCHULTZ, ROBERT D., US
[72] OLSHAVSKY, JUSTIN M., US
[72] VAUGHAN, BRIDGET C., US
[72] TEIGEN, COREY, US
[72] TEIGEN, SCOTT, US
[72] SALAMY, MICHAEL E., US
[72] CHELLAPPA, NITIKA S., US
[72] YELURU, AKHILESH R. R., US
[72] QURAISHI, ANNAM K., US
[72] JONES, MELISSA E. R., CA
[72] SHAW, AURKO J., US
[72] SPRINKEL, MATTHEW W. L., US
[72] LEE, ANDERSON S., US
[72] KORETSKY, EVAN T., US
[72] LOISEL, STEVE, US
[72] SHAFFER, ROBYN, US
[71] PENUMBRA, INC., US
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[87] (WO2021/062032)
[30] US (62/905,104) 2019-09-24
[30] US (62/947,457) 2019-12-12
[30] US (62/954,363) 2019-12-27
[30] US (63/010,601) 2020-04-15

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[51] **Int.Cl. G01N 33/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR INFERRING ENERGY AND BURNING PROPERTIES OF A FLUID IN A PIPELINE**
[54] **SYSTEMES ET PROCEDES POUR INFERER DES PROPRIETES D'ENERGIE ET DE COMBUSTION D'UN FLUIDE DANS UNE CANALISATION**
[72] MACDONALD, GEORGE ALEXANDER, GB
[72] WRIGHT, TONY, GB
[72] PEGG, TIMOTHY JAMES, GB
[72] LOEWENHEATH, HANS CHRISTOPHER, US
[72] PANKRATZ, ANTHONY WILLIAM, US
[71] MICRO MOTION, INC., US
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[86] 2019-10-03 (PCT/US2019/054461)
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[51] **Int.Cl. C07C 67/465 (2006.01) C07C 57/02 (2006.01) C10M 105/36 (2006.01)**
[25] EN
[54] **METHODS FOR OPERATING CONTINUOUS, UNMODULATED, MULTIPLE CATALYTIC STEP PROCESSES**
[54] **PROCEDES D'EXPLOITATION DE PROCESSUS A ETAPES CATALYTIQUES MULTIPLES, NON MODULEES, CONTINUES**
[72] CHRISMAN, RAY, US
[72] BUNNING, DONALD, US
[72] NUNLEY, MARK, US
[72] ALBIN, BROOKE, US
[72] BRADFORD, MICHAEL, US
[72] SCHRECK, DAVID JAMES, US
[72] KAPICAK, LOUIS A., US
[71] IOWA CORN PROMOTION BOARD, US
[85] 2022-03-15
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[30] US (62/905,068) 2019-09-24

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[13] A1
[51] **Int.Cl. B65D 47/08 (2006.01)**
[25] EN
[54] **CONTAINER, CLOSURE, AND METHODS FOR MANUFACTURE**
[54] **RECIPIENT, FERMETURE ET PROCEDES DE FABRICATION**
[72] HILTSER, BALINT, NL
[72] LUEB, GUUS, NL
[72] COX, THOMAS, GB
[72] FOX, JAMIE, GB
[71] H.J. HEINZ COMPANY BRANDS LLC, US
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[54] **CONTAINER, CLOSURE, AND METHODS FOR MANUFACTURE**
[54] **CONTENANT, FERMETURE ET PROCEDES DE FABRICATION**
[72] HILTSER, BALINT, NL
[72] LUEB, GUUS, NL
[72] DEVRIES, CHARLOTTE CATHERINE ERIK, NL
[72] BERTENS-VLEMS, KIM, NL
[72] COX, THOMAS, GB
[72] FOX, JAMIE, GB
[71] H.J. HEINZ COMPANY BRANDS LLC, US
[85] 2022-03-15
[86] 2020-06-24 (PCT/US2020/039387)
[87] (WO2021/055067)
[30] US (62/903,245) 2019-09-20
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[25] EN
[54] **SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR PREDICTING, ANTICIPATING, AND/OR ASSESSING TISSUE CHARACTERISTICS**
[54] **SYSTEME, PROCEDE ET PRODUIT PROGRAMME INFORMATIQUE POUR PREDIRE, ANTICIPER ET/OU EVALUER DES CARACTERISTIQUES DE TISSU**
[72] UBER III, ARTHUR, US
[72] ROHRER, MARTIN, DE
[72] KNOBLOCH, GESINE, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
[85] 2022-03-15
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[25] EN
[54] **SHOWER HEAD**
[54] **POMME DE DOUCHE**
[72] MATSUSHITA, TSUYOSHI, JP
[71] MTG CO., LTD., JP
[85] 2022-03-15
[86] 2020-08-20 (PCT/JP2020/031420)
[87] (WO2021/065237)
[30] JP (2019-178635) 2019-09-30

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[25] EN
[54] **SECURITY ELEMENT WITH AN OPTICAL EFFECT LAYER FORMED AS A THIN-LAYER ELEMENT**
[54] **ELEMENT DE SECURITE DOTE D'UNE COUCHE A EFFET OPTIQUE FORMEE SOUS LA FORME D'UNE COUCHE MINCE**
[72] TRASSL, STEPHAN, AT
[72] EGGINGER, MARTIN, AT
[72] MAYRHOFER, MARCO, AT
[72] FUCHSBAUER, ANITA, AT
[71] HUECK FOLIEN GESELLSCHAFT M.B.H., AT
[85] 2022-03-16
[86] 2020-09-18 (PCT/EP2020/076082)
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[30] EP (19201229.2) 2019-10-03

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[51] **Int.Cl. H01L 33/50 (2010.01) H01L 33/52 (2010.01) H01L 33/56 (2010.01)**
[25] EN
[54] **WHITE LED LIGHT SOURCE AND METHOD OF MAKING SAME**
[54] **SOURCE DE LUMIERE A DEL BLANCHE ET SON PROCEDE DE FABRICATION**
[72] HARRIS, DEREK, US
[72] GARBAR, ARKADY, US
[71] EYESAFE INC., US
[85] 2022-03-14
[86] 2020-11-05 (PCT/US2020/059208)
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[51] **Int.Cl. G06F 16/41 (2019.01) G06F 16/68 (2019.01) G06F 16/78 (2019.01)**
[25] FR
[54] **METHOD AND SYSTEM FOR EDITORIALIZING DIGITAL AUDIOVISUAL OR AUDIO RECORDING CONTENT OF AN ORAL PRESENTATION**
[54] **PROCEDE ET SYSTEME POUR EDITORIALISER DES CONTENUS D'ENREGISTREMENTS AUDIO OU AUDIOVISUELS NUMERIQUES D'UNE INTERVENTION ORALE**
[72] DAHAN, JENNIFER, FR
[71] VERNSTHER, FR
[85] 2022-03-16
[86] 2020-09-18 (PCT/FR2020/051612)
[87] (WO2021/053302)
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[25] EN
[54] **DISTILLATION TOWER MANAGEMENT SYSTEM, DISTILLATION TOWER STATE ANALYSIS METHOD AND DISTILLATION TOWER MANAGEMENT METHOD**
[54] **SYSTEME DE GESTION DE TOUR DE DISTILLATION, PROCEDE D'ANALYSE D'ETAT DE TOUR DE DISTILLATION, ET PROCEDE DE GESTION DE TOUR DE DISTILLATION**
[72] KARAKI, KEISUKE, JP
[72] EMORI, KENTA, JP
[72] MINAMI, HIROAKI, JP
[71] KURITA WATER INDUSTRIES LTD., JP
[85] 2022-03-15
[86] 2020-09-11 (PCT/JP2020/034406)
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[30] JP (2019-225908) 2019-12-13

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[51] **Int.Cl. A61K 8/49 (2006.01) A61K 31/4418 (2006.01) A61P 17/08 (2006.01) A61Q 5/00 (2006.01)**
[25] EN
[54] **COMBINATION OF CICLOPIROXOLAMINE AND PIROCTONE OLAMINE FOR COMBATING DANDRUFF**
[54] **ASSOCIATION DE CICLOPIROXOLAMINE ET PIROCTONE OLAMINE POUR COMBATTRE LES PELLICULES**
[72] LUC, JOELLE, FR
[72] MICHEL, CAROLE, FR
[71] PIERRE FABRE DERMO-COSMETIQUE, FR
[85] 2022-03-16
[86] 2020-09-29 (PCT/FR2020/051698)
[87] (WO2021/064316)
[30] FR (FR1910808) 2019-09-30

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[51] **Int.Cl. G06N 3/08 (2006.01) G10L 13/047 (2013.01) G10L 25/30 (2013.01) G10L 25/45 (2013.01) G06N 3/04 (2006.01) G10L 13/02 (2013.01)**
[25] EN
[54] **HIGH FIDELITY SPEECH SYNTHESIS WTH ADVERSARIAL NETWORKS**
[54] **SYNTHESE VOCALE HAUTE FIDELITE AVEC DES RESEAUX ANTAGONISTES**
[72] BINKOWSKI, MIKOLAJ, GB
[72] SIMONYAN, KAREN, GB
[72] DONAHUE, JEFFREY, GB
[72] CLARK, AIDAN, GB
[72] DIELEMAN, SANDER ETIENNE LEA, GB
[72] ELSEN, ERICH KONRAD, US
[72] RUS, LUIS CARLOS COBO, US
[72] CASAGRANDE, NORMAN, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
[85] 2022-03-16
[86] 2020-09-25 (PCT/EP2020/076908)
[87] (WO2021/058746)
[30] US (62/905,948) 2019-09-25

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[54] **SERVER-SIDE ADAPTIVE MEDIA STREAMING**
[54] **DIFFUSION EN CONTINU DE CONTENU MULTIMEDIA ADAPTATIVE COTE-SERVEUR**
[72] DIETZ, FABIAN, DE
[71] STREAMONKEY GMBH, DE
[85] 2022-03-16
[86] 2019-10-01 (PCT/EP2019/076556)
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[25] EN
[54] **A VERTICAL CASTING CRYSTALLISING MOULD USED FOR CASTING ALUMINIUM INGOTS**
[54] **CRISTALLISATEUR POUR LE COULAGE VERTICAL DE LINGOTS D'ALUMINIUM**
[72] MANN, VIKTOR KHRIST'YANOVICH, RU
[72] SIDOROV, ALEKSANDR YUR'EVICH, RU
[72] VERBITSKIJ, OLEG VIKTOROVICH, RU
[72] PELEVIN, ALEKSANDR GENNAD'EVICH, RU
[72] SOLDATOV, SERGEJ VIKTOROVICH, RU
[72] VASILENKO, VYACHESLAV GENNAD'EVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2022-03-15
[86] 2020-09-18 (PCT/RU2020/050231)
[87] (WO2021/061017)
[30] RU (2019130352) 2019-09-24

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[51] **Int.Cl. G06N 20/00 (2019.01) E21B 41/00 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **INFORMATION EXTRACTION FROM DAILY DRILLING REPORTS USING MACHINE LEARNING**
[54] **EXTRACTION D'INFORMATIONS A PARTIR DE RAPPORTS DE FORAGE QUOTIDIENS UTILISANT UN APPRENTISSAGE AUTOMATIQUE**
[72] KISRA, MOHAMED SAAD, GB
[72] GOMEZ, FRANCISCO JOSE, GB
[72] FISCHER, KARSTEN, GB
[72] DIAZ GRANADOS PERTUZ, IVAN, GB
[72] DHARMARATNAM, ATHITHAN, GB
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2022-03-14
[86] 2020-09-14 (PCT/US2020/070538)
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[51] **Int.Cl. A23L 27/00 (2016.01) A23L 27/20 (2016.01) A23D 9/00 (2006.01) A23D 9/007 (2006.01)**
[25] EN
[54] **UMAMI-ENHANCING COMPOSITION, SEASONING OR EXTRACT, METHOD FOR MANUFACTURING UMAMI-ENHANCING COMPOSITION, METHOD FOR MANUFACTURING SEASONING OR EXTRACT, AND METHOD FOR ENHANCING UMAMI OF FOOD PRODUCT**
[54] **COMPOSITION POUR ACCROITRE L'UMAMI, ASSAISONNEMENT OU EXTRAIT, METHODE DE FABRICATION D'UNE COMPOSITION POUR ACCROITRE L'UMAMI, METHODE DE FABRICATION D'UN ASSAISONNEMENT OU D'UN EXTRAIT ET METHODE POUR ACCROITRE L'UMAMI D'UN PRODUIT ALIMENTAIRE**
[72] MATSUZAWA, SHUN, JP
[72] SAKAINO, MASAYOSHI, JP
[72] TSUJI, MISAKI, JP
[72] TOKUCHI, TAKAHIRO, JP
[72] SANO, TAKASHI, JP
[71] J-OIL MILLS, INC., JP
[85] 2022-03-15
[86] 2020-09-14 (PCT/JP2020/034713)
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[30] JP (2019-178669) 2019-09-30

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[13] A1
[51] **Int.Cl. B65G 47/91 (2006.01)**
[25] EN
[54] **COORDINATING MULTIPLE ROBOTS TO MEET WORKFLOW AND AVOID CONFLICT**
[54] **COORDINATION D'UNE PLURALITE DE ROBOTS POUR GERER UN FLUX ET EVITER UN CONFLIT**
[72] SUN, ZHOUWEN, US
[72] CHAVEZ, KEVIN JOSE, US
[72] MENON, SAMIR, US
[72] SU, HARRY ZHE, US
[72] MORRIS-DOWNING, TALBOT, US
[72] PIDAPARTHI, ROHIT ARKA, US
[72] SHARMA, AYUSH, US
[72] WIRTH, RAPHAEL GEORG, US
[71] DEXTERITY, INC., US
[85] 2022-03-16
[86] 2020-08-21 (PCT/US2020/047510)
[87] (WO2021/080677)
[30] US (62/926,165) 2019-10-25
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[51] **Int.Cl. A23L 27/00 (2016.01) A23L 27/20 (2016.01) A23D 9/00 (2006.01) A23D 9/007 (2006.01)**
[25] EN
[54] **UMAMI-ENHANCING COMPOSITION AND METHOD FOR MANUFACTURING SAME, SEASONING OR EXTRACT AND METHOD FOR MANUFACTURING SAME, OIL AND FAT COMPOSITION FOR COOKING WITH HEAT AND METHOD FOR MANUFACTURING SAME, AND METHOD FOR ENHANCING UMAMI OF FOOD PRODUCT**
[54] **COMPOSITION POUR ACCROITRE L'UMAMI ET METHODE DE FABRICATION, ASSAISONNEMENT OU EXTRAIT ET METHODE DE FABRICATION, COMPOSITION D'HUILEOU DE GRAS DE CUISSON A LA CHALEUR ET METHODE DE FABRICATION ET METHODE POUR ACCROITRE L'UMAMI D'UN PRODUIT ALIMENTAIRE**
[72] MATSUZAWA, SHUN, JP
[72] SAKAINO, MASAYOSHI, JP
[72] TSUJI, MISAKI, JP
[72] TOKUCHI, TAKAHIRO, JP
[72] SANO, TAKASHI, JP
[71] J-OIL MILLS, INC., JP
[85] 2022-03-15
[86] 2020-09-14 (PCT/JP2020/034715)
[87] (WO2021/065442)
[30] JP (2019-178673) 2019-09-30

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[51] **Int.Cl. A61K 47/68 (2017.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01) C07K 16/30 (2006.01) C07K 16/32 (2006.01)**
[25] EN
[54] **ANTIBODY COMPOSITIONS COMPRISING FC MUTATIONS AND SITE-SPECIFIC CONJUGATION PROPERTIES**
[54] **COMPOSITIONS D'ANTICORPS COMPRENANT DES MUTATIONS DE FC ET AYANT DES PROPRIETES DE CONJUGAISON SPECIFIQUES A UN SITE**
[72] KANG, SOHYE, US
[72] MORRISON, KENDALL, US
[71] TAE LIFE SCIENCES, US
[85] 2022-03-16
[86] 2020-10-02 (PCT/US2020/000038)
[87] (WO2021/066869)
[30] US (62/973,475) 2019-10-04

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[13] A1
[51] **Int.Cl. A23G 1/20 (2006.01) A23G 3/02 (2006.01) A23G 3/20 (2006.01)**
[25] EN
[54] **APPARATUS FOR DEPOSITING**
[54] **APPAREIL DE DEPOT**
[72] BALDWIN, ADAM LEE, GB
[72] LEADBEATER, RICHARD JOHN, GB
[72] SUTTON, JONATHAN, GB
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-03-16
[86] 2020-11-05 (PCT/EP2020/081071)
[87] (WO2021/089675)
[30] EP (19208078.6) 2019-11-08

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[13] A1
[51] **Int.Cl. C08G 18/76 (2006.01) C08G 18/24 (2006.01) C08G 18/32 (2006.01) C08G 18/44 (2006.01) C08G 18/66 (2006.01) C08G 64/02 (2006.01) C08G 64/34 (2006.01) C09D 175/04 (2006.01) C09K 8/80 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING COATED PROPPANTS**
[54] **PROCEDES DE PRODUCTION D'AGENTS DE SOUTENEMENT REVETUS**
[72] SAINI, RAJESH KUMAR, SA
[72] HAQUE, MOHAMMAD HAMIDUL, SA
[72] ALLEN, SCOTT DOUGLAS, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2022-03-16
[86] 2020-02-20 (PCT/US2020/019006)
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[30] US (16/573,504) 2019-09-17

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[13] A1
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **SOLUBLE MEDIATORS FOR PREDICTING SYSTEMIC LUPUS ERYTHEMATOSUS ACTIVITY EVENTS**
[54] **MEDIATEURS SOLUBLES POUR PREDIRE DES EVENEMENTS D'ACTIVITE DU LUPUS ERYTHEMATEUX SYSTEMIQUE**
[72] JAMES, JUDITH A., US
[72] MUNROE, MELISSA E., US
[71] OKLAHOMA MEDICAL RESEARCH FOUNDATION, US
[85] 2022-03-15
[86] 2020-09-18 (PCT/US2020/051482)
[87] (WO2021/055742)
[30] US (62/903,551) 2019-09-20

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[13] A1
[51] **Int.Cl. B01D 46/00 (2022.01) B01D 46/10 (2006.01) B01D 47/06 (2006.01) B01D 47/14 (2006.01) B01D 50/00 (2022.01) B01D 53/14 (2006.01) B01D 53/18 (2006.01) B01D 53/58 (2006.01) C01C 1/12 (2006.01) C05C 3/00 (2006.01) C05C 9/00 (2006.01) C07C 273/16 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PROCESSING EXHAUST GAS FROM A UREA PLANT**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT DE GAZ D'ECHAPPEMENT PROVENANT D'UNE INSTALLATION D'UREE**
[72] CUELENAERE, PAUL J.M., NL
[72] VAN DER HAVE, KEES, NL
[71] YARA INTERNATIONAL ASA, NO
[85] 2022-03-16
[86] 2020-10-16 (PCT/EP2020/079155)
[87] (WO2021/074361)
[30] EP (19203588.9) 2019-10-16

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[13] A1
[51] **Int.Cl. A61K 31/135 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **DOSAGE FORMS AND METHODS FOR ENANTIOMERICALLY ENRICHED OR PURE BUPROPION**
[54] **FORMES POSOLOGIQUES ET PROCEDES POUR LA FORMATION DE BUPROPION ENANTIOMERIQUEMENT ENRICHI OU PUR**
[72] TABUTEAU, HERRIOT, US
[71] AXSOME THERAPEUTICS, INC., US
[85] 2022-03-16
[86] 2020-08-18 (PCT/US2020/046755)
[87] (WO2021/055124)
[30] US (PCT/US2019/052210) 2019-09-20
[30] US (62/971,174) 2020-02-06
[30] US (62/978,626) 2020-02-19
[30] US (62/992,060) 2020-03-19
[30] US (16/830,637) 2020-03-26
[30] US (16/907,691) 2020-06-22

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[13] A1
[51] **Int.Cl. C09K 8/80 (2006.01) E21B 43/267 (2006.01)**
[25] EN
[54] **COATED PROPPANT AND METHODS OF MAKING AND USE THEREOF**
[54] **AGENT DE SOUTENEMENT REVETU, PROCEDES DE FABRICATION CORRESPONDANTS ET UTILISATION ASSOCIEE**
[72] SAINI, RAJESH KUMAR, SA
[72] HAQUE, MOHAMMAD, SA
[72] SAYED, MOHAMMED, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2022-03-16
[86] 2020-09-09 (PCT/US2020/049910)
[87] (WO2021/055202)
[30] US (16/573,511) 2019-09-17

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[51] **Int.Cl. A61K 9/127 (2006.01) A61K 9/51 (2006.01) A61K 47/06 (2006.01) A61K 47/24 (2006.01) C07C 311/05 (2006.01) C07C 311/10 (2006.01) C07C 311/11 (2006.01) C07C 311/13 (2006.01) C07C 311/14 (2006.01) C07C 311/24 (2006.01) C07D 213/61 (2006.01) C07D 231/18 (2006.01) C07D 233/84 (2006.01) C07D 239/38 (2006.01) C07D 261/08 (2006.01) C07D 285/10 (2006.01) C07D 305/06 (2006.01) C07D 305/08 (2006.01) C07D 307/18 (2006.01) C07D 309/08 (2006.01) C07D 319/12 (2006.01) C07D 333/48 (2006.01)**
[25] EN
[54] **HEADGROUP LIPID COMPOUNDS AND COMPOSITIONS FOR INTRACELLULAR DELIVERY OF THERAPEUTIC AGENTS**
[54] **COMPOSES LIPIDIQUES A TETES POLAIRES ET COMPOSITIONS POUR ADMINISTRATION INTRACELLULAIRE D'AGENTS THERAPEUTIQUES**
[72] BENENATO, KERRY E., US
[72] CORNEBISE, MARK, US
[72] HENNESSY, EDWARD, US
[72] MCKENZIE, ANDREW, US
[71] MODERNATX, INC., US
[85] 2022-03-15
[86] 2020-09-18 (PCT/US2020/051629)
[87] (WO2021/055849)
[30] US (62/902,928) 2019-09-19

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[51] **Int.Cl. A61K 31/285 (2006.01) A61K 31/7052 (2006.01) A61K 39/395 (2006.01) A61P 25/18 (2006.01) A61P 25/22 (2006.01) A61P 25/24 (2006.01)**
[25] EN
[54] **METHOD FOR TREATING MOOD DISORDER**
[54] **METHODE DE TRAITEMENT DES TROUBLES DE L'HUMEUR**
[72] HUANG, FUDE, CN
[72] WANG, WEN'AN, CN
[72] JIAO, CHANGPING, CN
[72] HUANG, CHANGDE, CN
[72] HUANG, TIDE, CN
[71] JIANGSU NUO-BETA PHARMACEUTICAL TECHNOLOGY CO., LTD., CN
[85] 2022-03-16
[86] 2020-09-27 (PCT/CN2020/118044)
[87] (WO2021/057955)
[30] CN (PCT/CN2019/108548) 2019-09-27
[30] CN (202011009274.9) 2020-09-23

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[13] A1
[51] **Int.Cl. B01J 19/12 (2006.01) B08B 17/02 (2006.01) B63B 59/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PROTECTING A SURFACE AGAINST BIOFOULING**
[54] **PROCEDE ET SYSTEME DE PROTECTION D'UNE SURFACE CONTRE L'ENCRASSEMENT BIOLOGIQUE**
[72] LEIJSSEN, JACOBUS JOSEPHUS, NL
[72] VAN UDEN, MARTIJN GERARDA LAMBERTUS JUSTINUS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2022-03-16
[86] 2020-09-10 (PCT/EP2020/075258)
[87] (WO2021/052844)
[30] EP (19198378.2) 2019-09-19

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[51] **Int.Cl. C07K 1/22 (2006.01) C07K 16/00 (2006.01) C07K 16/18 (2006.01) C07K 16/22 (2006.01) C07K 16/32 (2006.01) C07K 16/36 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS COMPRISING AN ANTI-CTLA4 MONOCLONAL ANTIBODY WITH REDUCED HOST CELL PROTEINS AND INCREASED POLYSORBATE-80 STABILITY**
[54] **METHODES ET COMPOSITIONS COMPRENANT UN ANTICORPS MONOCLONAL ANTI-CTLA4 COMPORTANT DES PROTEINES DE CELLULES HOTES REDUITES ET A STABILITE ACCRUE DE POLYSORBATE-80**
[72] CHMIELOWSKI, REBECCA A., US
[72] INSAIDOO, FRANCIS, US
[72] MILLER, JUSTIN B., US
[72] SHAH, DARSHINI, US
[72] ROUSH, DAVID J., US
[72] WELSH, JOHN P., US
[71] MERCK SHARP & DOHME CORP., US
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[54] **SYSTEMES ET PROCEDES DE GESTION DE CHARGES ELECTRIQUES**
[72] RAO, ARCHAN PADMANABHAN, US
[71] SPAN.IO, INC., US
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[54] **SCHEMA DE CODAGE DE DONNEES DE PROFONDEUR**
[72] KROON, BART, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[54] **WIRELESS LOCATION ASSISTED ZONE GUIDANCE SYSTEM INCORPORATING SECURE TRANSMISSION OF LOCATION**
[54] **SYSTEME DE GUIDAGE DE ZONE ASSISTEE PAR LOCALISATION SANS FIL COMPORTANT LA TRANSMISSION SURE D'EMPLACEMENT**
[72] LANDERS, RODNEY P., US
[71] GPSIP, INC., US
[71] LANDERS, RODNEY P., US
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[54] **MANUFACTURING VAPOR CELLS THAT HAVE ONE OR MORE OPTICAL WINDOWS BONDED TO A DIELECTRIC BODY**
[54] **FABRICATION DE CELLULES DE VAPEUR AYANT UNE OU PLUSIEURS FENETRES OPTIQUES LIEES A UN CORPS DIELECTRIQUE**
[72] RAMIREZ-SERRANO, JAIME, CA
[72] AMARLOO, HADI, CA
[72] SHAFFER, JAMES P., CA
[71] QUANTUM VALLEY IDEAS LABORATORIES, CA
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[54] **RADIOLABELING OF ANTI-CD45 IMMUNOGLOBULIN AND METHODS OF USE THEREOF**
[54] **RADIOMARQUAGE D'IMMUNOGLOBULINE ANTI CD-45 ET SES METHODES D'UTILISATION**
[72] LUDWIG, DALE, US
[72] SETH, SANDESH, US
[71] ACTINIUM PHARMACEUTICALS, INC., US
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[54] **PROCEDE DE PRODUCTION DE POUDRES METALLIQUES DE TUNGSTENE**
[72] SAEUBERLICH, TINO, DE
[72] MEESE-MARKTSCHEFFEL, JULIANE, DE
[72] WARNECKE, KNUT, DE
[72] HOESE, BEATE, DE
[71] H.C. STARCK TUNGSTEN GMBH, DE
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[54] **ACTIONNEUR LINEAIRE POUR SIMULATEUR DE MOUVEMENT**
[72] GAGNON, STEPHAN, CA
[71] D-BOX TECHNOLOGIES INC., CA
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[54] **PROCEDE ET APPAREIL DE TRONCATION DE DONNEES**
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[72] XUN, JUN, CN
[72] ZHOU, YI, CN
[72] SI, XIAOBO, CN
[71] 10353744 CANADA LTD., CA
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[54] **SYSTEME DE LECTURE MULTIPLEXE**
[72] NAAMAN, OFER, US
[72] JEFFREY, EVAN, US
[72] WHITE, THEODORE CHARLES, US
[71] GOOGLE LLC, US
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[54] **MUTANT HYDROXYPHENYLPYRUVATE DIOXYGENASE POLYPEPTIDE, ENCODING GENE THEREOF AND USE THEREOF**
[54] **POLYPEPTIDE MUTANT D'HYDROXYPHENYLPYRUVATE DIOXYGENASE, SON GENE CODANT ET SON UTILISATION**
[72] XIAO, XIANG, CN
[72] TAO, QING, CN
[72] YU, CAIHONG, CN
[72] SONG, QINGFANG, CN
[72] BAO, XIAOMING, CN
[71] BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., CN
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[54] **DETECTION OF ANTIBODIES AGAINST RAN PROTEINS FROM SERUM AND TISSUE LYSATES**
[54] **DETECTION D'ANTICORPS CONTRE DES PROTEINES RAN A PARTIR DE LYSATS SERIQUES ET TISSULAIRES**
[72] RANUM, LAURA, US
[72] LABOISSONNIERE, LAUREN A., US
[72] NGUYEN, LIEN, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
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[54] **ADJUSTABLE BEDDING HEIGHT AND LENGTHWISE POSITIONING APPARATUS**
[54] **DISPOSITIF DE POSITIONNEMENT DE LITERIE REGLABLE EN HAUTEUR ET EN LONGUEUR**
[72] MAURER, SCOTTUS, US
[71] MAURER, SCOTTUS, US
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[54] **FOOTWEAR ARTICLE INCLUDING CUSHION MANAGEMENT SYSTEM**
[54] **ARTICLE CHAUSSANT COMPRENANT UN SYSTEME DE GESTION DE COUSSIN**
[72] GREVER, ANDREW EDWARD, US
[72] SPOERLEIN, LUKE M., US
[72] SMITH, LEE F., US
[71] R. G. BARRY CORPORATION, US
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[54] **SYSTEME DE SUPPORT DE COFFRAGES DE TOIT**
[72] UBINANA FELIX, JOSE LUIS, ES
[71] SISTEMAS TECNICOS DE ENCOFRADOS, S.A., ES
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[54] **METHOD AND APPARATUS FOR CHANNEL STATE INFORMATION**
[54] **PROCEDE ET APPAREIL POUR INFORMATIONS D'ETAT DE CANAL**
[72] LIN, ZHIPENG, CN
[72] TIDESTAV, CLAES, SE
[72] HARRISON, ROBERT MARK, US
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[54] **BUSE DE NETTOYAGE DE L'INTERIEUR D'UN TUYAU, SYSTEME COMPRENANT UNE TELLE BUSE ET PROCEDE DE NETTOYAGE DE L'INTERIEUR D'UN TUYAU**
[72] LANTZ, ANNA, SE
[71] AQUATEQ SWEDEN AB, SE
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[54] **2'-DESOXY-2',2'-DIFLUOROTETRAHYDROURIDINES DE PURETE ELEVEE ET LEURS PROCEDES DE FABRICATION**
[72] ZUEND, GEMMA, US
[72] SCOTT, IAN, US
[72] DAVAR, NIPUN, US
[72] ANNAKA, KIMIYOSHI, JP
[72] MIYAKE, MASAHIRO, JP
[72] MATSUI, MOTOSHI, JP
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
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[54] **GIPR ANTIBODY AND ITS FUSION PROTEIN WITH GLP-1, AND PHARMACEUTICAL COMPOSITION AND APPLICATION THEREOF**
[54] **ANTICORPS GIPR ET PROTEINE DE FUSION ENTRE CELUI-CI ET LA GLP-1, ET COMPOSITION PHARMACEUTIQUE ET APPLICATION ASSOCIEE**
[72] ZHANG, HUA, CN
[72] WANG, XIAOFENG, CN
[72] YAO, CHENJIANG, CN
[72] ZHANG, CHENG, CN
[72] JING, SHUQIAN, CN
[71] GMAX BIOPHARM LLC, CN
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[54] **MODULATION DE COMPLEXES GENOMIQUES**
[72] LANDE, LAURA GABRIELA, US
[72] BERRY, DAVID ARTHUR, US
[72] KENNEDY, JODI MICHELLE, US
[72] FARELLI, JEREMIAH DALE, US
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[54] **SYSTEM AND METHOD FOR SAFETY SYRINGE**
[54] **SYSTEME ET PROCEDE POUR SERINGUE DE SECURITE**
[72] SHANLEY, CONOR EDWARD, US
[72] DIAZ, STEPHEN H., US
[72] SHLUZAS, ALAN E., US
[72] TILLACK, JEFF, US
[71] CREDENCE MEDSYSTEMS, INC., US
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[54] **ALVELESTAT FOR USE IN THE TREATMENT OF GRAFT REJECTION, BRONCHIOLITIS OBLITERANS SYNDROME AND GRAFT VERSUS HOST DISEASE**
[54] **ALVELESTAT DESTINE A ETRE UTILISE DANS LE TRAITEMENT DU REJET DE GREFFE, DU SYNDROME DE BRONCHIOLITE OBLITERANTE ET DE LA MALADIE DU GREFFON CONTRE L'HOTE**
[72] PARKIN, JACQUELINE, GB
[72] SUNG, ANTHONY, US
[72] PAVLETIC, STEVEN Z, US
[72] IM, ANNIE, US
[72] HOLTZMAN, NOA G, US
[72] PEER, CODY J., US
[71] MEREO BIOPHARMA 4 LIMITED, GB
[71] DUKE UNIVERSITY, US
[71] NATIONAL CANCER INSTITUTE, US
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[54] **PHARMACEUTICAL COMPOSITION COMPRISING THROMBOLYTIC PEPTIDE-TETRAHYDROISOQUINOLINE CONJUGATE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT UN CONJUGUE PEPTIDE-TETRAHYDROISOQUINOLEINE THROMBOLYTIQUE**
[72] CHOU, DAVID CHIH-KUANG, TW
[71] LUMOSA THERAPEUTICS CO., LTD., CN
[85] 2022-03-15
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[54] **DATA OPERATION METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE ET APPAREIL D'EXPLOITATION DE DONNEES, ET SYSTEME**
[72] HE, QINGAN, CN
[72] LI, JINGJING, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-14
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[54] **PEPTIDE POUR LE TRAITEMENT DU CANCER**
[72] BORYSOV, SERGIY I., US
[71] SAINT LEO UNIVERSITY, US
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[86] 2020-09-28 (PCT/US2020/053128)
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[54] **DISPOSITIFS DE MATRICE EXTRACELLULAIRE ET PROCEDES DE PREPARATION**
[72] SOLETTI, LORENZO, US
[72] BROWN, BRYAN, US
[72] BOWMAN, JOSH, US
[72] CWALINA, NICOLE, US
[72] BURGER, BRANDON, US
[72] FLAHERTY, J. CHRISTOPHER, US
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[71] RENERVA, LLC, US
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[54] **COMPOSITIONS D'OLIGONUCLEOTIDES ET LEURS PROCEDES D'UTILISATION**
[72] MONIAN, PRASHANT, US
[72] SHIVALILA, CHIKDU SHAKTI, US
[72] MARAPPAN, SUBRAMANIAN, US
[72] VARGEESE, CHANDRA, US
[72] KANDASAMY, PACHAMUTHU, US
[72] LU, GENLIANG, US
[72] YU, HUI, US
[72] BUTLER, DAVID CHARLES DONNELL, US
[72] APPONI, LUCIANO HENRIQUE, US
[72] SHIMIZU, MAMORU, US
[72] STANDLEY, STEPHANY MICHELLE, US
[72] BOULAY, DAVID JOHN, US
[72] HOSS, ANDREW GUZIOR, US
[72] DESAI, JIGAR, US
[72] GODFREY, JACK DAVID, US
[72] YANG, HAILIN, US
[72] IWAMOTO, NAOKI, US
[71] WAVE LIFE SCIENCES LTD., SG
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[30] US (62/959,917) 2020-01-11
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[25] EN
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[54] **SYSTEMES ET PROCEDES DE CONTROLE DE TRANSMISSIONS UL ET DL CONFIGUREES**
[72] KOORAPATY, HAVISH, US
[72] GRANT, STEPHEN, US
[72] ALRIKSSON, PETER, SE
[72] SHOKRI RAZAGHI, HAZHIR, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[30] US (62/911,804) 2019-10-07
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CYTOTOXIC T CELL RESISTANT TUMORS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE TUMEURS CYTOTOXIQUES RESISTANTES AUX LYMPHOCYTES T**
[72] WUCHERPFENNIG, KAI, US
[72] FERRARI DE ANDRADE, LUCAS, US
[72] LUOMA, ADRIENNE, US
[71] DANA-FARBER CANCER INSTITUTE, INC., US
[85] 2022-03-15
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[51] **Int.Cl. A61K 9/127 (2006.01) A61K 9/51 (2006.01) A61K 48/00 (2006.01) A61P 25/00 (2006.01) C07C 323/25 (2006.01) C07D 207/06 (2006.01) C07D 207/08 (2006.01) C07D 211/14 (2006.01) C07D 211/24 (2006.01)**
[25] EN
[54] **IONIZABLE LIPIDS AND NANOPARTICLE COMPOSITIONS THEREOF**
[54] **LIPIDES IONISABLES ET COMPOSITIONS DE NANOPARTICULES ASSOCIEES**
[72] FEINSTEIN, GREGORY, US
[72] LEBLANC, MICHELLE, US
[72] CHATTERTON, JON EDWARD, US
[72] NOLTING, BIRTE, US
[72] STANTON, MATTHEW G., US
[71] GENERATION BIO CO., US
[85] 2022-03-15
[86] 2020-11-23 (PCT/US2020/061801)
[87] (WO2021/102411)
[30] US (62/939,326) 2019-11-22
[30] US (63/026,493) 2020-05-18

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[51] **Int.Cl. C12M 1/42 (2006.01)**
[25] EN
[54] **METHOD TO INCREASE THE PERMEABILITY OF THE PLASMA MEMBRANE OF CELLS AND A STRUCTURE SUITABLE FOR USE IN SUCH METHOD**
[54] **PROCEDE POUR AUGMENTER LA PERMEABILITE DE LA MEMBRANE PLASMIQUE DE CELLULES ET STRUCTURE APPROPRIEE POUR UNE UTILISATION DANS UN TEL PROCEDE**
[72] BRAECKMANS, KEVIN, BE
[72] XIONG, RANHUA, BE
[72] DE SMEDT, STEFAAN, BE
[71] TRINCE BV, BE
[85] 2022-03-16
[86] 2020-09-21 (PCT/EP2020/076287)
[87] (WO2021/058430)
[30] EP (19198937.5) 2019-09-23

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[51] **Int.Cl. C23C 16/455 (2006.01) C23C 14/22 (2006.01)**
[25] EN
[54] **FLUID DISTRIBUTING DEVICE FOR A THIN-FILM DEPOSITION APPARATUS, RELATED APPARATUS AND METHODS**
[54] **DISPOSITIF DE DISTRIBUTION DE FLUIDE POUR UN APPAREIL DE DEPOT DE FILM MINCE, APPAREIL ET PROCEDES ASSOCIES**
[72] KOSTAMO, JUHANA, FI
[72] VAHA-OJALA, TIMO, FI
[72] BLOMBERG, TOM, FI
[72] PUDAS, MARKO, FI
[71] PICOSUN OY, FI
[85] 2022-03-16
[86] 2020-09-23 (PCT/FI2020/050624)
[87] (WO2021/058870)
[30] FI (20195809) 2019-09-24

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[13] A1
[51] **Int.Cl. F16L 41/08 (2006.01) F16L 37/00 (2006.01)**
[25] EN
[54] **CONNECTING MEANS FOR CONNECTING A PIPE TO A PIPE SECTION AT AN OPENING, SUCH AS, FOR EXAMPLE, A PIPE SECTION AT A DISCHARGE OPENING, AND A METHOD FOR CONNECTING A PIPE USING SUCH CONNECTING MEANS**
[54] **MOYEN DE RACCORDEMENT DE TUYAU A UNE SECTION DE TUYAU AU NIVEAU D'UNE OUVERTURE, TELLE QUE, PAR EXEMPLE, UNE SECTION DE TUYAU AU NIVEAU D'UNE OUVERTURE D'EVACUATION, ET PROCEDE DE RACCORDEMENT DE TUYAU A L'AIDE DUDIT MOYEN DE RACCORDEMENT**
[72] NIVELLES, GEERT RITA ERIK VICTOR, BE
[71] GENI*US BESLOTEN VENNOOTSCHAP MET BEPERKTE AANSPRAKELIJKHEID, BE
[85] 2022-03-16
[86] 2020-09-09 (PCT/IB2020/058375)
[87] (WO2021/053466)
[30] BE (2019/5614) 2019-09-18

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[13] A1
[51] **Int.Cl. A61B 17/92 (2006.01) A61B 17/00 (2006.01) A61B 17/72 (2006.01)**
[25] EN
[54] **STRIKE INSTRUMENT FOR INTRAMEDULLARY NAIL**
[54] **INSTRUMENT DE FRAPPE POUR CLOU INTRAMEDULLAIRE**
[72] SCHUMACHER, YVONNE, CH
[72] EL ZOGHBI, GASER, CH
[72] VAN STOLK, NICHOLAS, US
[72] BINI FALCONI, DOMINIK DANIEL, CH
[71] DEPUY SYNTHES PRODUCTS, INC., US
[85] 2022-03-16
[86] 2020-09-10 (PCT/IB2020/058412)
[87] (WO2021/053469)
[30] US (16/574,983) 2019-09-18

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[51] **Int.Cl. C02F 1/44 (2006.01) C02F 3/30 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SUPPLYING RETURN ACTIVATED SLUDGE**
[54] **SYSTEME ET PROCEDE DE FOURNITURE DE BOUES ACTIVEES DE RETOUR**
[72] LAWRENCE, DARREN PAUL, GB
[71] XYLEM WATER SOLUTIONS U.S.A., INC., US
[85] 2022-03-16
[86] 2020-09-18 (PCT/IB2020/058740)
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[30] GB (1913515.1) 2019-09-19

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[51] **Int.Cl. C01B 32/182 (2017.01) C01B 32/184 (2017.01) C01B 32/198 (2017.01)**
[25] EN
[54] **PROCESS FOR DOPING GRAPHENE WITH NITROGEN AND SULFUR BY REDUCING GRAPHENE OXIDE WITH MICROORGANISMS, NITROGEN- AND SULFUR-DOPED GRAPHENE THUS OBTAINED AND ITS USE**
[54] **PROCEDE DE DOPAGE DE GRAPHENE AVEC DE L'AZOTE ET DU SOUFRE PAR REDUCTION DE L'OXYDE DE GRAPHENE AVEC DES MICRO-ORGANISMES, GRAPHENE DOPE A L'AZOTE ET AU SOUFRE AINSI OBTENU ET SON UTILISATION**
[72] IAKIMOV, VALENTINO, IT
[71] BIOENE TECHNOLOGIES S.A R.L., LU
[85] 2022-03-16
[86] 2020-09-23 (PCT/IB2020/058879)
[87] (WO2021/059152)
[30] IT (102019000017291) 2019-09-26

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/46 (2006.01) A61K 31/165 (2006.01) A61K 31/4015 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **ESSENTIALLY SODIUM-FREE EFFERVESCENT SOLID PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES SOLIDES EFFERVESCENTES SENSIBLEMENT EXEMPTES DE SODIUM**
[72] SUNE NEGRE, JOSE MARIA, ES
[72] ROIG CARRERAS, MANUEL, ES
[72] SUNE POU, MARC, ES
[72] FORMOSA MARQUEZ, XAVIER, ES
[72] CHAUHAN, MANISHKUMAR JAYANTIBHAI, IN
[72] NAIDU, VENKATARAMANA, IN
[72] PATEL, MANISH MAVJIBHAI, IN
[71] INTAS PHARMACEUTICALS LTD., IN
[85] 2022-03-16
[86] 2020-10-01 (PCT/IB2020/059214)
[87] (WO2021/064636)
[30] EP (19382846.4) 2019-10-02

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[13] A1
[51] **Int.Cl. G06Q 40/08 (2012.01)**
[25] EN
[54] **SMART PENSION MANAGEMENT SYSTEM AND DRIVING METHOD THEREFOR**
[54] **SYSTEME DE GESTION DE PENSION INTELLIGENTE ET SON PROCEDE D'EXCITATION**
[72] KIM, CHANG HOON, KR
[71] KIM, CHANG HOON, KR
[85] 2022-03-16
[86] 2020-05-13 (PCT/KR2020/006282)
[87] (WO2021/091036)
[30] KR (10-2019-0140898) 2019-11-06

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[13] A1
[51] **Int.Cl. A61P 31/04 (2006.01) C07K 9/00 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **ANTIBIOTIC COMPOUNDS**
[54] **COMPOSES ANTIBIOTIQUES**
[72] MARTIN, NATHANIEL I., NL
[72] VAN GROESEN, EMMA, NL
[72] TEHRANI, KAMALEDDIN H.M.E., NL
[72] WADE, NICOLA, NL
[71] UNIVERSITEIT LEIDEN, NL
[85] 2022-03-16
[86] 2020-09-24 (PCT/NL2020/050587)
[87] (WO2021/060980)
[30] NL (2023883) 2019-09-24

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[13] A1
[51] **Int.Cl. A61K 38/24 (2006.01) A61K 49/18 (2006.01) C07K 14/59 (2006.01) C07K 16/34 (2006.01) G01N 33/76 (2006.01)**
[25] EN
[54] **MICROBUBBLING AND INDICATOR MATERIAL DISPLACEMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE MICROBULLAGE ET DE DEPLACEMENT DE MATERIEL INDICATEUR**
[72] WANG, PING, US
[72] LI, ZHAO, US
[72] CHEN, HUI, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
[85] 2022-03-16
[86] 2019-09-12 (PCT/US2019/050776)
[87] (WO2020/056110)
[30] US (62/730,719) 2018-09-13

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[13] A1
[51] **Int.Cl. G06K 9/00 (2022.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRIVACY-ENABLED BIOMETRIC PROCESSING**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT BIOMETRIQUE RESPECTANT LA CONFIDENTIALITE**
[72] STREIT, SCOTT EDWARD, US
[71] PRIVATE IDENTITY LLC, US
[85] 2022-03-16
[86] 2020-09-16 (PCT/US2020/050935)
[87] (WO2021/055380)
[30] US (16/573,851) 2019-09-17

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[13] A1
[51] **Int.Cl. G01D 5/26 (2006.01) H03K 17/785 (2006.01)**
[25] EN
[54] **OPTICAL POWER FOR ELECTRONIC SWITCHES**
[54] **PUISSANCE OPTIQUE POUR COMMUTATEURS ELECTRONIQUES**
[72] NUGENT, THOMAS J., US
[72] BASHFORD, THOMAS W., US
[71] LASERMOTIVE, INC., US
[85] 2022-03-16
[86] 2020-09-16 (PCT/US2020/051101)
[87] (WO2021/055498)
[30] US (62/901,107) 2019-09-16

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[13] A1
[51] **Int.Cl. G01S 7/4911 (2020.01) G01S 7/484 (2006.01) G01S 7/487 (2006.01) G01S 7/493 (2006.01) G01S 17/58 (2006.01) G01S 17/88 (2006.01) G01S 17/95 (2006.01)**
[25] FR
[54] **LIDAR SYSTEM FOR ANEMOMETRIC MEASUREMENTS**
[54] **SYSTEME LIDAR POUR MESURES ANEMOMETRIQUES**
[72] MICHEL, DAVID TOMLINE, FR
[72] AUGERE, BEATRICE, FR
[72] VALLA, MATTHIEU, FR
[71] OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, FR
[85] 2022-03-17
[86] 2020-09-15 (PCT/FR2020/051591)
[87] (WO2021/053290)
[30] FR (FR19 10390) 2019-09-20

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[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) C07K 14/005 (2006.01) C12N 15/62 (2006.01)**
[25] FR
[54] **PRODUCTION AND FUNCTIONALIZATION OF NANOPARTICLES DERIVED FROM PHAGE T5 AND THERAPEUTIC USES**
[54] **PRODUCTION ET FONCTIONNALISATION DE NANOPARTICULES DERIVEES DU PHAGE T5 ET UTILISATIONS THERAPEUTIQUES**
[72] BOULANGER, PASCALE, FR
[72] VERNHES, EMELINE, FR
[72] DUCROT, NICOLAS, FR
[72] LARBI CHERIF, LINDA, FR
[72] BENIHOUD, KARIM, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[71] UNIVERSITE PARIS-SACLAY, FR
[85] 2022-03-17
[86] 2020-09-18 (PCT/FR2020/051628)
[87] (WO2021/053309)
[30] FR (FR1910305) 2019-09-18

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[13] A1
[51] **Int.Cl. H01M 50/342 (2021.01) B60R 16/04 (2006.01) B64D 37/32 (2006.01) B64D 45/00 (2006.01) H01M 10/0525 (2010.01)**
[25] FR
[54] **ANTI-PROPAGATION EXHAUST DEVICE FOR AIRCRAFT LITHIUM-ION BATTERIES**
[54] **DISPOSITIF D'ECHAPPEMENT ANTI PROPAGATION DE BATTERIES LITHIUM-ION D'AERONEF**
[72] LOUBERE, DIMITRY, FR
[71] AIRBUS DEFENCE AND SPACE SAS, FR
[85] 2022-03-17
[86] 2021-07-27 (PCT/FR2021/051398)
[87] (WO2022/029380)
[30] FR (FR20 08293) 2020-08-05

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[13] A1
[51] **Int.Cl. F16F 9/46 (2006.01) F16F 9/34 (2006.01)**
[25] EN
[54] **DUAL LIVE VALVE SHOCK HAVING MAIN DAMPER AND BASE VALVE ACTIVELY CONTROLLED**
[54] **CORPS D'IMPACT DE SOUPAPE DOUBLE EN DIRECT COMPRENANT UN AMORTISSEUR PRINCIPAL ET UNE SOUPAPE DE BASE A COMMANDE ACTIVE**
[72] WOELFEL, REGAN, US
[71] FOX FACTORY, INC., US
[85] 2022-03-16
[86] 2020-09-17 (PCT/US2020/051338)
[87] (WO2021/055649)
[30] US (62/902,866) 2019-09-19
[30] US (17/023,948) 2020-09-17

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[13] A1
[51] **Int.Cl. A61K 31/192 (2006.01) A61K 31/535 (2006.01) A61P 13/12 (2006.01) C07D 295/096 (2006.01)**
[25] EN
[54] **USE OF A PPAR-DELTA AGONIST IN THE TREATMENT OF KIDNEY DISEASE**
[54] **UTILISATION D'UN AGONISTE PPAR-DELTA DANS LE TRAITEMENT DE LA MALADIE DE DEE**
[72] O'CARROLL, COLIN, US
[72] O'DONNELL, NIALL, US
[72] MINER, JEFFREY, US
[71] RENEO PHARMACEUTICALS, INC., US
[71] WASHINGTON UNIVERSITY, US
[85] 2022-03-16
[86] 2020-09-18 (PCT/US2020/051458)
[87] (WO2021/055725)
[30] US (62/903,539) 2019-09-20

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[13] A1
[51] **Int.Cl. A23F 5/02 (2006.01) A23F 5/00 (2006.01) A23F 5/24 (2006.01) A23F 5/26 (2006.01) A23L 2/04 (2006.01) A23L 2/38 (2021.01) A23L 2/68 (2006.01) A23L 2/70 (2006.01) A23L 3/005 (2006.01) A23N 1/00 (2006.01)**
[25] EN
[54] **WHOLE PRESSED COFFEE BERRY JUICE**
[54] **JUS DE CERISES DE CAFE PRESSEES ENTIERES**
[72] SCHACHT, RAYMOND, US
[72] RUDAN, BRENDA, US
[72] DEL VALLE, HECTOR M., US
[72] ALLMON, STEVE, US
[72] FANG, YU, US
[72] MOTAMAYOR ARIAS, JUAN CARLOS, US
[72] HESS, LAURA, US
[72] PEREZ, MARCELO, US
[71] THE COCA-COLA COMPANY, US
[85] 2022-03-16
[86] 2020-09-18 (PCT/US2020/051504)
[87] (WO2021/055757)
[30] US (62/902,053) 2019-09-18

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[13] A1
[51] **Int.Cl. C04B 35/111 (2006.01) C04B 35/626 (2006.01) C09K 3/14 (2006.01)**
[25] EN
[54] **SYSTEMS, COMPOSITIONS, AND METHODS FOR PRODUCING SHARP EDGES**
[54] **SYSTEMES, COMPOSITIONS, ET PROCEDES DE PRODUCTION DE BORDS TRANCHANTS**
[72] ROSCIOLI, GIANLUCA, US
[72] TASAN, CEMAL CEM, US
[71] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
[85] 2022-03-16
[86] 2020-09-18 (PCT/US2020/051519)
[87] (WO2021/055769)
[30] US (62/902,018) 2019-09-18

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[13] A1
[51] **Int.Cl. A61K 31/4985 (2006.01) A61P 35/00 (2006.01) C07D 491/20 (2006.01)**
[25] EN
[54] **SHP2 PHOSPHATASE INHIBITORS AND METHODS OF MAKING AND USING THE SAME**
[54] **INHIBITEURS DE PHOSPHATASE SHP2, PROCEDES DE PRODUCTION ET D'UTILISATION ASSOCIES**
[72] TAYLOR, ALEXANDER M., US
[72] LESCARBEAU, ANDRE, US
[72] WANG, JING, CN
[72] ZHANG, YANYAN, CN
[72] LIAN, GAODENG, CN
[71] RELAY THERAPEUTICS, INC., US
[85] 2022-03-16
[86] 2020-09-23 (PCT/US2020/052118)
[87] (WO2021/061706)
[30] US (62/904,986) 2019-09-24

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[13] A1
[51] **Int.Cl. A01M 7/00 (2006.01)**
[25] EN
[54] **PARAMETER SENSING FOR A LIQUID APPLICATOR**
[54] **DETECTION DE PARAMETRES POUR UN APPLICATEUR DE LIQUIDE**
[72] MAURER, GARRETT, US
[72] WOOD, JR., DANIEL R., US
[71] INTELLIGENT AGRICULTURAL SOLUTIONS LLC, US
[85] 2022-03-16
[86] 2020-10-02 (PCT/US2020/053993)
[87] (WO2021/067739)
[30] US (62/910,714) 2019-10-04

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[13] A1
[51] **Int.Cl. F27B 9/36 (2006.01) C03B 5/235 (2006.01) F23C 5/00 (2006.01) F23D 14/32 (2006.01) F23N 5/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SYNCHRONIZED OXY-FUEL BOOSTING OF A REGENERATIVE GLASS MELTING FURNACE**
[54] **SYSTEME ET PROCEDE POUR L'AMPLIFICATION D'OXY-COMBUSTIBLE SYNCHRONISEE D'UN FOUR DE FUSION DE VERRE REGENERATIF**
[72] D'AGOSTINI, MARK DANIEL, US
[72] GALLAGHER, MICHAEL J., US
[72] HORAN, WILLIAM J., US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[85] 2022-03-16
[86] 2020-10-21 (PCT/US2020/056628)
[87] (WO2021/081073)
[30] US (62/925,949) 2019-10-25
[30] US (17/073,451) 2020-10-19

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[13] A1
[51] **Int.Cl. C25C 3/06 (2006.01)**
[25] EN
[54] **ALUMINIUM POT BOTTOM PREHEATING METHOD**
[54] **PROCEDE DE CALCINATION DE SOLE D'ELECTROLYSEUR D'ALUMINIUM**
[72] PUZANOV, IL'YA IVANOVICH, RU
[72] ZAVADYAK, ANDREJ VASIL'EVICH, RU
[72] PLATONOV, VITALIJ VLADIMIROVICH, RU
[71] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
[85] 2022-03-16
[86] 2020-08-26 (PCT/RU2020/050204)
[87] (WO2021/061015)
[30] RU (2019130349) 2019-09-24

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[13] A1
[51] **Int.Cl. A61K 47/59 (2017.01) A61K 47/60 (2017.01) A61K 31/5575 (2006.01) A61K 31/558 (2006.01) A61P 27/06 (2006.01)**
[25] EN
[54] **BIODEGRADABLE DRUG-POLYMER CONJUGATE**
[54] **CONJUGUE MEDICAMENT-POLYMERE BIODEGRADABLE**
[72] BIRKETT, STEPHEN LONSDALE, AU
[72] DONOHUE, ANDREW CRAIG, AU
[72] D'SOUZA, ASHA MARINA, AU
[72] NG, SARAH MAN YEE, AU
[72] SULISTIO, ADRIAN, AU
[72] TAIT, RUSSELL JOHN, AU
[72] VALADE, DAVID, AU
[72] NAYLOR, ALAN, GB
[72] WATLING, JASON, AU
[72] SCULLINO, CARMEN VITTORIA, AU
[71] POLYACTIVA PTY LTD, AU
[85] 2022-03-17
[86] 2019-09-19 (PCT/AU2019/051003)
[87] (WO2021/051149)

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[13] A1
[51] **Int.Cl. A63F 13/53 (2014.01) A63F 13/56 (2014.01) A63F 13/825 (2014.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVED PLAYER INTERACTION USING AUGMENTED REALITY**
[54] **SYSTEMES ET PROCEDES D'AMELIORATION DE L'INTERACTION AVEC UN JOUEUR UTILISANT LA REALITE AUGMENTEE**
[72] JAUVIN, ETIENNE, CA
[72] FERLAND, DOMINIQUE, CA
[72] GAUTHIER, NATHALIE, CA
[71] EIDOS INTERACTIVE CORP., CA
[85] 2022-03-15
[86] 2020-11-25 (PCT/CA2020/051604)
[87] (WO2021/102566)
[30] US (62/939,889) 2019-11-25

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[13] A1
[51] **Int.Cl. F24D 12/02 (2006.01) F24D 19/10 (2006.01)**
[25] EN
[54] **HYBRID RESIDENTIAL HEATER AND CONTROL SYSTEM THEREFOR**
[54] **DISPOSITIF DE CHAUFFAGE RESIDENTIEL HYBRIDE ET SON SYSTEME DE REGULATION**
[72] WARDROP, WALTER, CA
[72] BARBER, NICHOLAS, CA
[71] FLEXCHANGER TECHNOLOGIES INC., CA
[85] 2022-03-17
[86] 2020-09-17 (PCT/CA2020/051249)
[87] (WO2021/051199)
[30] CA (3056048) 2019-09-17

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[13] A1
[51] **Int.Cl. H04W 4/02 (2018.01) G16H 50/30 (2018.01) G16H 50/80 (2018.01) G06F 16/29 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING A DISEASE AFFECTED AREA**
[54] **SYSTEME ET PROCEDE D'IDENTIFICATION D'UNE ZONE AFFECTEE PAR UNE MALADIE**
[72] LORD, ANTON, AU
[72] LORD, MAGGY, AU
[71] DISEASE ADVISOR PTY LTD, AU
[85] 2022-03-16
[86] 2020-10-02 (PCT/AU2020/051061)
[87] (WO2021/062484)
[30] AU (2019903741) 2019-10-04

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[13] A1
[51] **Int.Cl. G02F 1/025 (2006.01) H04B 10/278 (2013.01) H04B 10/40 (2013.01) G06N 10/00 (2022.01) G06J 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES, ARTICLES, AND METHODS TO DIRECT OPTICAL SIGNALS USING LUMINESCENT DEFECTS IN SEMICONDUCTOR MATERIAL**
[54] **SYSTEMES, DISPOSITIFS, ARTICLES ET PROCEDES POUR DIRIGER DES SIGNAUX OPTIQUES A L'AIDE DE DEFAUTS LUMINESCENTS DANS UN MATERIAU SEMI-CONDUCTEUR**
[72] SIMMONS, STEPHANIE, CA
[71] PHOTONIC INC., CA
[85] 2022-03-17
[86] 2020-09-18 (PCT/CA2020/051259)
[87] (WO2021/051206)
[30] US (62/903,306) 2019-09-20

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[51] **Int.Cl. H02G 3/14 (2006.01) G05B 19/042 (2006.01) H01R 13/66 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **METHODS AND DEVICES FOR INTELLIGENT RECONFIGURABLE ELECTRICAL DEVICES**
[54] **PROCEDES ET DISPOSITIFS POUR DISPOSITIFS ELECTRIQUES INTELLIGENTS RECONFIGURABLES**
[72] MISENER, LOWELL, CA
[72] ADAMSON, CHRISTOPHER E., CA
[71] SWIDGET CORP., CA
[85] 2022-03-17
[86] 2020-09-22 (PCT/CA2020/051264)
[87] (WO2021/056100)
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[51] **Int.Cl. G06T 7/90 (2017.01)**
[25] EN
[54] **IMAGE COLOR TRANSFERRING METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **PROCEDE DE MIGRATION DE COULEUR D'IMAGE, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT D'ENREGISTREMENT**
[72] FENG, CHAOWEI, CN
[72] WANG, XIAOYANG, CN
[71] 10353744 CANADA LTD., CA
[85] 2022-03-17
[86] 2020-07-30 (PCT/CN2020/105933)
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[30] CN (201910880382.4) 2019-09-18

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[25] EN
[54] **PROCESS FOR THE PREPARATION OF AN ASPHALT MIX COMPOSITION**
[54] **PROCEDE DE PREPARATION D'UNE COMPOSITION DE MELANGE D'ASPHALTE**
[72] SCHATZ, WALDEMAR, DE
[72] OTERO MARTINEZ, IRAN, DE
[72] ZEILINGER, MICHAEL, DE
[72] MALONSON, BERNIE LEWIS, US
[72] WIEBELHAUS, DAG, DE
[72] GUST, KARL R., US
[72] BOKERN, STEFAN, DE
[72] FLEISCHEL, OLIVIER, DE
[71] BASF SE, DE
[85] 2022-03-17
[86] 2020-09-17 (PCT/EP2020/076028)
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[25] EN
[54] **GENOMIC SAFE HARBORS FOR TRANSGENE INTEGRATION**
[54] **ZONES DE SECURITE DU GENOME POUR INTEGRATION DE TRANSGENES**
[72] SADELAIN, MICHEL, US
[72] ODAK, ASHLESHA, IN
[71] MEMORIAL SLOAN-KETTERING CANCER CENTER, US
[85] 2022-03-17
[86] 2020-09-17 (PCT/US2020/051286)
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[30] US (62/901,475) 2019-09-17

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[25] EN
[54] **GENETICALLY MODIFIED NITROGEN FIXING BACTERIA AND USES THEREOF**
[54] **BACTERIES DES NODOSITES GENETIQUEMENT MODIFIEES ET LEURS UTILISATIONS**
[72] PETERS, JOHN, US
[72] ANE, JEAN-MUCHEL, US
[72] MUS, FLORENCE, US
[72] KHOKANI, DEVANSHI, US
[71] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
[71] WASHINGTON STATE UNIVERSITY, US
[85] 2022-03-17
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[25] EN
[54] **CERAMIC ELECTRIC HEATING HAVING A TWO-LAYER STRUCTURE AND ELECTRIC SOLDERING IRON**
[54] **CORPS CHAUFFANT ELECTRIQUE EN CERAMIQUE AYANT UNE STRUCTURE A DEUX COUCHES, ET FER A SOUDER ELECTRIQUE**
[72] LEIGH, PETER, CN
[71] CHONGQING LE-MARK TECHNOLOGY CO., LTD., CN
[85] 2022-03-17
[86] 2020-09-11 (PCT/CN2020/114709)
[87] (WO2021/057507)
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[25] EN
[54] **COMPOSITE MATERIAL FOR CERAMIC ELECTRIC HEATING ELEMENT**
[54] **MATERIAU DE TYPE COMPOSITE POUR CORPS DE CHAUFFAGE ELECTRIQUE EN CERAMIQUE**
[72] LEIGH, PETER, CN
[71] CHONGQING LE-MARK TECHNOLOGY CO., LTD., CN
[85] 2022-03-17
[86] 2020-09-11 (PCT/CN2020/114756)
[87] (WO2021/057512)
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[51] **Int.Cl. E04F 15/02 (2006.01) E04F 13/08 (2006.01)**
[25] EN
[54] **BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION**
[72] YLIKANGAS, ROGER, SE
[72] NILSSON, ANDERS, SE
[72] QUIST, KARL, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-17
[86] 2020-01-09 (PCT/EP2020/050442)
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[51] **Int.Cl. C10G 1/10 (2006.01) C10G 7/00 (2006.01) C10G 9/00 (2006.01)**
[25] EN
[54] **CRACKING LONG CHAINED HYDROCARBONS FROM PLASTIC-CONTAINING WASTE AND ORGANIC LIQUIDS**
[54] **CRAQUAGE D'HYDROCARBURES A CHAINE LONGUE A PARTIR DE DECHETS CONTENANT DU PLASTIQUE ET DE LIQUIDES ORGANIQUES**
[72] VAN DER REE, TEUNIS CHRISTIAAN, NL
[71] BLUEALP INNOVATIONS B.V., NL
[85] 2022-03-17
[86] 2020-09-18 (PCT/EP2020/076101)
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[25] EN
[54] **BITUMEN PRODUCT**
[54] **PRODUIT DE TYPE BITUME**
[72] KREMER, HARTMUT, AT
[71] BINDER + CO AG, AT
[85] 2022-03-17
[86] 2020-09-23 (PCT/EP2020/076523)
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[51] **Int.Cl. E04F 15/02 (2006.01) E04C 2/40 (2006.01)**
[25] EN
[54] **A SET OF BUILDING PANELS**
[54] **ENSEMBLE DE PANNEAUX DE CONSTRUCTION**
[72] YLIKANGAS, ROGER, SE
[72] NILSSON, ANDERS, SE
[72] QUIST, KARL, SE
[71] VALINGE INNOVATION AB, SE
[85] 2022-03-17
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[54] **CONCENTRATED PERFUSION MEDIUM**
[54] **MILIEU DE PERFUSION CONCENTRE**
[72] COFFMAN, JONATHAN, US
[72] LIN, HENRY, US
[72] LUMAN, TODD, US
[72] OGAWA, DAISIE, US
[72] RAVIKRISHNAN, JANANI, US
[72] TESSMAN, HAYDEN, US
[72] YILDIRIM, SAMET, US
[72] YU, MARCELLA, US
[71] BOEHRINGER INGELHEIM INTERNATIONAL GMBH, DE
[85] 2022-03-17
[86] 2020-09-25 (PCT/EP2020/076836)
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[25] EN
[54] **EXAMINATION APPARATUS FOR MEDICAL EXAMINATION OF AN ANIMAL**
[54] **APPAREIL D'EXAMEN POUR EXAMEN MEDICAL D'UN ANIMAL**
[72] ANLIKER, URS, CH
[72] BURGENER, MARCO, CH
[72] KAUTH, CHRISTIAN, CH
[72] LOSER, PASCAL MANUEL, CH
[72] SAINT-GHISLAIN, MICHEL JOSEPH, CH
[72] WYSS, BEAT, CH
[72] FLETH-JAMES, JEANNINE, DE
[72] FORBERGER, REINHARD, DE
[72] HAAG-DIERGARTEN, SILKE, DE
[72] POLOTZEK, DAGMAR, DE
[72] RAHMEL, DANIELA KATHARINA, DE
[72] ZIMMERING, TANJA MARGRIT, DE
[71] BOEHRINGER INGELHEIM VETMEDICA GMBH, DE
[85] 2022-03-17
[86] 2020-10-15 (PCT/EP2020/079040)
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[25] EN
[54] **THERMALLY RESPONSIVE CONJUGATES**
[54] **CONJUGUES THERMOSENSIBLES**
[72] GUERREIRO, ANTONIO, GB
[72] CANFAROTTA, FRANCESCO, GB
[72] KINKAID, ADRIAN, GB
[72] GROVES, ALISTAIR, GB
[71] MIP DIAGNOSTICS LIMITED, GB
[85] 2022-03-17
[86] 2020-10-21 (PCT/EP2020/079657)
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[25] EN
[54] **IMPROVED UREA-BASED BLEND COMPOSITION AND METHOD FOR THE MANUFACTURE THEREOF**
[54] **COMPOSITION DE MELANGE A BASE D'UREE AMELIOREE ET SON PROCEDE DE FABRICATION**
[72] COLPAERT, FILIP, BE
[72] DONKERS, ELLEN, NL
[72] VAN BELZEN, RUUD, NL
[72] VAN DE WALLE, TOM, BE
[72] VAN ELSLANDE, PAUL, NL
[71] YARA INTERNATIONAL ASA, NO
[85] 2022-03-17
[86] 2020-11-13 (PCT/EP2020/082019)
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[51] **Int.Cl. H01H 13/14 (2006.01) H01H 13/70 (2006.01) H01H 13/84 (2006.01)**
[25] EN
[54] **BALANCE BAR CONNECTING STRUCTURE FOR KEY AND SATELLITE SHAFT STRUCTURE FOR SAME**
[54] **STRUCTURE DE LIAISON STABILISATRICE POUR UNE TOUCHE ET STRUCTURE D'ARBRE SATELLITE ASSOCIEE**
[72] WANG, WEI CHUAN, DE
[71] VOYETRA TURTLE BEACH, INC., US
[85] 2022-03-17
[86] 2020-09-17 (PCT/IB2020/058664)
[87] (WO2021/053569)
[30] TW (108212293) 2019-09-17
[30] CN (201921614623.2) 2019-09-26

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[51] **Int.Cl. A61K 47/54 (2017.01) A61K 47/58 (2017.01) A61K 39/385 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR THE INDUCTION OF ANTIGEN-SPECIFIC IMMUNE TOLERANCE**
[54] **COMPOSES POUR L'INDUCTION D'UNE TOLERANCE IMMUNITAIRE SPECIFIQUE D'UN ANTIGENE**
[72] KONTOS, STEPHAN, CH
[72] VITHARANA, DILRUKSHI, CH
[72] ISAROV, SERGEY A., CH
[71] ANOKION SA, CH
[85] 2022-03-17
[86] 2020-09-18 (PCT/IB2020/058693)
[87] (WO2021/053589)
[30] US (62/903,609) 2019-09-20
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[51] **Int.Cl. A61K 35/745 (2015.01) A61P 1/00 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **BACTERIAL STRAINS, THEIR COMPOSITIONS AND THEIR USE FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS**
[54] **SOUCHES BACTERIENNES, LEURS COMPOSITIONS ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES GASTRO-INTESTINAUX**
[72] BIFFI, ANDREA, IT
[72] FIORE, WALTER, IT
[71] SOFAR S.P.A., IT
[85] 2022-03-17
[86] 2020-09-21 (PCT/IB2020/058769)
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[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/745 (2015.01) A61K 35/747 (2015.01) A23L 33/135 (2016.01) A61P 1/00 (2006.01)**
[25] EN
[54] **BACTERIAL STRAINS, THEIR COMPOSITIONS AND THEIR USE FOR THE TREATMENT OF GASTROINTESTINAL DISORDERS**
[54] **SOUCHES BACTERIENNES, LEURS COMPOSITIONS ET LEUR UTILISATION POUR LE TRAITEMENT DE TROUBLES GASTRO-INTESTINAUX**
[72] BIFFI, ANDREA, IT
[72] FIORE, WALTER, IT
[71] SOFAR S.P.A., IT
[85] 2022-03-17
[86] 2020-09-21 (PCT/IB2020/058774)
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[25] EN
[54] **COMPOSITIONS BASED ON BACTERIAL STRAINS AND BERRY EXTRACTS AND THEIR USE AS ANTI-INFLAMMATORIES**
[54] **COMPOSITIONS A BASE DE SOUCHES BACTERIENNES ET D'EXTRAITS DE BAIES ET LEUR UTILISATION EN TANT QU'ANTI-INFLAMMATOIRES**
[72] BIFFI, ANDREA, IT
[72] FIORE, WALTER, IT
[71] SOFAR S.P.A., IT
[85] 2022-03-17
[86] 2020-09-21 (PCT/IB2020/058777)
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[25] EN
[54] **COMPOSITIONS BASED ON BACTERIAL STRAINS AND THEIR USE AS ANTI-INFLAMMATORIES**
[54] **COMPOSITIONS A BASE DE SOUCHES BACTERIENNES ET LEUR UTILISATION COMME ANTI-INFLAMMATOIRES**
[72] BIFFI, ANDREA, IT
[72] FIORE, WALTER, IT
[71] SOFAR S.P.A., IT
[85] 2022-03-17
[86] 2020-09-21 (PCT/IB2020/058778)
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[51] **Int.Cl. A61N 5/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR PHOTOBIOMODULATION-BASED ALTERNATIVE TO ELECTRICAL VAGUS NERVE STIMULATION AND DEEP BRAIN STIMULATION RELATED TO MOVEMENT DISORDERS**
[54] **APPAREIL ET PROCEDE POUR UNE ALTERNATIVE BASEE SUR LA PHOTOBIOMODULATION A LA STIMULATION ELECTRIQUE DU NERF VAGUE ET A LA STIMULATION CEREBRALE PROFONDE ASSOCIEES A DES TROUBLES MOTEURS**
[72] LIM, LEW, CA
[71] LIM, LEW, CA
[85] 2022-03-17
[86] 2020-10-27 (PCT/IB2020/060064)
[87] (WO2021/094860)
[30] US (62/934,024) 2019-11-12

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[51] **Int.Cl. F27D 27/00 (2010.01) B01F 33/05 (2022.01) C21B 11/10 (2006.01) C21B 13/12 (2006.01) C21C 1/06 (2006.01) C21C 5/52 (2006.01) F27B 3/10 (2006.01)**
[25] EN
[54] **METHOD OF STIRRING LIQUID METAL IN AN ELECTRIC ARC FURNACE**
[54] **PROCEDE D'AGITATION DE METAL LIQUIDE DANS UN FOUR A ARC ELECTRIQUE**
[72] PATRIZIO, DAMIANO, IT
[72] CODUTTI, ANDREA, IT
[72] BURIN, PAOLO, IT
[72] SELLAN, ROMANO, IT
[72] GAGLIARDI, NICOLA, IT
[71] DANIELI & C. OFFICINE MECCANICHE S.P.A., IT
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[25] EN
[54] **ENGINE ASSEMBLY AND METHOD FOR CONTROLLING AN ENGINE**
[54] **ENSEMBLE MOTEUR ET PROCEDE DE COMMANDE DE MOTEUR**
[72] CHAMPIGNY, LUC, CA
[72] SCHUEHMACHER, BRUNO, CA
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[22] 2020-08-31
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[25] EN
[54] **METHODS AND MACHINES FOR POUCHING SMOKELESS TOBACCO AND TOBACCO SUBSTITUTE PRODUCTS**
[54] **PROCEDES ET MACHINES POUR ENSACHER DU TABAC SANS FUMEE ET DES PRODUITS DE SUBSTITUT DE TABAC**
[72] BLACK, SHANNON MAXWELL, US
[72] BURKE, WILLIAM JOSEPH, US
[72] CARROLL, ANDREW NATHAN, US
[72] DINOVI, CHRISTOPHER JOSEPH (DECEASED), US
[72] MACKO, JASON ANDREW, US
[72] PHILLIPS, DAVID, US
[72] SMITH, ROBERT, US
[72] SUN, YAN HELEN, US
[71] ALTRIA CLIENT SERVICES INC., US
[22] 2014-03-14
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[54] **SURGICAL APPARATUS**
[54] **APPAREIL CHIRURGICAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
[72] PARK, YONG MAN, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[22] 2017-02-03
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[62] 3,004,197
[30] US (62/292,057) 2016-02-05
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[51] **Int.Cl. A61B 17/29 (2006.01) A61B 34/00 (2016.01) A61B 34/37 (2016.01)**
[25] EN
[54] **SURGICAL APPARATUS**
[54] **APPAREIL CHIRURGICAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
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[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[51] **Int.Cl. A61B 17/29 (2006.01) A61B 34/00 (2016.01) A61B 34/37 (2016.01)**
[25] EN
[54] **SURGICAL APPARATUS**
[54] **APPAREIL CHIRURGICAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
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[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[30] US (62/292,057) 2016-02-05
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[25] EN
[54] **SURGICAL APPARATUS**
[54] **APPAREIL CHIRURGICAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
[72] PARK, YONG MAN, US
[71] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[62] 3,004,197
[30] US (62/292,057) 2016-02-05
[30] US (62/424,273) 2016-11-18

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[13] A1
[25] EN
[54] **HANDLING ROBOT AND METHOD FOR RETRIEVING INVENTORY ITEM BASED ON HANDLING ROBOT**
[54] **ROBOT DE TRANSPORT ET PROCEDE DE RAMASSAGE BASE SUR UN ROBOT DE TRANSPORT**
[72] CHENG, JUI-CHUN, CN
[72] XU, SHENGDONG, CN
[72] CHEN, YUQI, CN
[71] HAI ROBOTICS CO., LTD., CN
[22] 2018-09-07
[41] 2019-05-23
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[30] CN (201711135812.7) 2017-11-14
[30] CN (201711141498.3) 2017-11-14

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[25] EN
[54] **DIRECT CURRENT METER AND METHOD OF USE**
[54] **DISPOSITIF DE MESURE DE COURANT CONTINU ET PROCEDE D'UTILISATION**
[72] BALL, DAVID JAMES, US
[72] MCLENNAN, DONALD WILLIAM, CA
[71] QUANTA ASSOCIATES, L.P., US
[22] 2016-06-03
[41] 2016-12-08
[62] 2,987,059
[30] US (62/170,554) 2015-06-03

[21] **3,153,124**
[13] A1
[25] EN
[54] **SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN**
[54] **SYSTEMES ET PROCEDES POUR PLACER UNE OU PLUSIEURS DERIVATIONS DANS UN TISSU POUR STIMULER ELECTRIQUEMENT DES NERFS DE PASSAGE POUR TRAITER LA DOULEUR**
[72] BOGGS, JOSEPH W., II, US
[71] SPR THERAPEUTICS, INC., US
[22] 2009-12-07
[41] 2010-06-10
[62] 2,761,278
[30] US (61/201,030) 2008-12-05

[21] **3,153,191**
[13] A1
[25] EN
[54] **SYSTEMS, DEVICES, AND METHODS FOR LINKING ONLINE BEHAVIOR TO OFFLINE PAYMENT TRANSACTIONS**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES DE LIEN DE COMPORTEMENT EN LIGNE AVEC DES TRANSACTIONS DE PAIEMENT HORS LIGNE**
[72] CHIB, SANJEEV, CA
[71] SPENDSCAPE INC., CA
[22] 2015-07-03
[41] 2017-01-12
[62] 2,990,697

[21] **3,153,255**
[13] A1
[25] EN
[54] **HYDRAULIC DRILLING SYSTEMS AND METHODS**
[54]
[72] MCCORMACK, DANIEL ROBERT, CA
[72] MCDOUGALL, MYLES BRIAN, CA
[72] STAINTHORPE, BRIAN KENNETH, CA
[71] PETROJET CANADA INC., CA
[22] 2014-08-07
[41] 2015-12-23
[62] 2,958,718
[30] US (62/013,134) 2014-06-17

[21] **3,153,265**
[13] A1
[51] **Int.Cl. A01K 61/13 (2017.01)**
[25] EN
[54] **SEA LICE VACCINE**
[54] **VACCIN CONTRE LE POU DU POISSON**
[72] BRUDESETH, BJORN ERIK, NO
[72] CONTRERAS ROJO, MARINELA, ES
[72] DE FEIJTER KARLSEN, MARIUS ANDRE, NO
[72] DE LA FUENTE GARCIA, JOSE DE JESUS, ES
[72] HUNGERHOLDT, LIV BLOM, NO
[72] LINDMO YTTREDAL, KARINE, NO
[72] OLSEN, ROLF HETLELID, NO
[72] VILLAR RAYO, MARGARITA MARIA, ES
[72] WIIK-NIELSEN, CHRISTER ROSS, NO
[71] PHARMAQ AS, NO
[22] 2017-08-16
[41] 2018-02-22
[62] 3,033,759
[30] US (62/376,016) 2016-08-17

[21] **3,153,271**
[13] A1
[25] EN
[54] **DIAMOND COATED ELECTRODES FOR ELECTROCHEMICAL PROCESSING AND APPLICATIONS THEREOF**
[54]
[72] GOROKHOVSKY, VLADIMIR, US
[72] SULLIVAN, PATRICK, US
[72] BRONDUM, KLAUS, US
[72] JONTE, PATRICK B., US
[71] VAPOR TECHNOLOGIES, INC., US
[22] 2015-06-18
[41] 2015-12-26
[62] 2,894,591
[30] US (62/017,555) 2014-06-26
[30] US (14/736,934) 2015-06-11

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[51] **Int.Cl. A61M 15/00 (2006.01) A61J 1/03 (2006.01) B65D 75/36 (2006.01)**
[25] EN
[54] **A DRY POWDER INHALER AND SYSTEM FOR DRUG DELIVERY**
[54] **INHALATEUR DE POUDRE SECHE ET SYSTEME D'ADMINISTRATION DE MEDICAMENT**
[72] SMUTNEY, CHAD, US
[72] KINSEY, P., SPENCER, US
[72] SAHI, CARL, R., US
[72] ADAMO, BENOIT, US
[72] POLIDORO, JOHN, M., US
[72] MCLEAN, SCOTT, US
[72] OVERFIELD, DENNIS, US
[72] BRYANT, ANTHONY, US
[72] HE, TOM, US
[72] MANN, ALFRED, US
[71] MANNKIND CORPORATION, US
[22] 2009-06-12
[41] 2009-12-17
[62] 3,086,027
[30] US (61/061,551) 2008-06-13
[30] US (61/157,506) 2009-03-04

[21] **3,153,330**
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[25] EN
[54] **PROCESS FOR ENHANCING THE MOLECULAR WEIGHT OF A POLYESTER**
[54] **PROCEDE PERMETTANT D'AMELIORER LE POIDS MOLECULAIRE D'UN POLYESTER**
[72] ANDREWS, MARION L., US
[72] DAM, MATHEUS ADRIANUS, NL
[72] GRUTER, GERARDUS JOHANNES MARIA, NL
[72] KOLSTAD, JEFFREY JOHN, NL
[72] SCHIAVONE, ROBERT JOSEPH, US
[72] VAN BERKEL, JESPER GABRIEL, NL
[71] FURANIX TECHNOLOGIES B.V., NL
[22] 2015-03-11
[41] 2015-09-17
[62] 2,941,491
[30] US (61/951,229) 2014-03-11
[30] NL (2012408) 2014-03-11

[21] **3,153,334**
[13] A1
[25] EN
[54] **METHODS FOR DETECTING AND MEASURING AGGREGATION**
[54] **PROCEDES DE DETECTION ET DE MESURE D'AGREGATION**
[72] PATEL, PAUL, US
[72] ANEKAL, SAMANTHA, US
[72] GIBBONS, IAN, US
[72] HOLMES, ELIZABETH, US
[72] JOSHI, SWAPNA, US
[71] THERANOS IP COMPANY, LLC, US
[22] 2013-07-18
[41] 2014-01-23
[62] 2,878,880
[30] US (61/673,215) 2012-07-18

[21] **3,153,432**
[13] A1
[25] EN
[54] **COMPOUNDS, PROCESSES, AND MACHINERY FOR CONVERTING METHANE GAS INTO METHANE-SULFONIC ACID**
[54] **COMPOSES, PROCEDES ET EQUIPEMENT POUR CONVERTIR DU GAZ METHANE EN ACIDE METHANESULFONIQUE**
[72] RICHARDS, ALAN K., US
[71] VEOLIA NORTH AMERICA REGENERATION SERVICES, LLC, US
[22] 2019-04-25
[41] 2019-11-07
[62] 3,093,412

[21] **3,153,438**
[13] A1
[25] EN
[54] **METHODS AND COMPOSITIONS BASED ON DIPHTHERIA TOXIN-INTERLEUKIN-3 CONJUGATES**
[54] **METHODES ET COMPOSITIONS A BASE DE CONJUGUES TOXINE DIPHTERIQUE-INTERLEUKINE 3**
[72] FRANKEL, ARTHUR E., US
[71] SCOTT & WHITE MEMORIAL HOSPITAL, US
[22] 2007-09-07
[41] 2008-03-13
[62] 3,053,981
[30] US (60/843,471) 2006-09-07
[30] US (60/932,772) 2007-06-01

[21] **3,153,451**
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[25] EN
[54] **METHODS AND SYSTEMS FOR ENSURING SECURE DELIVERY OF PARCELS USING INTERNET-ENABLED STORAGE RECEPTACLE**
[54] **PROCEDE ET SYSTEMES POUR ASSURER LA LIVRAISON SECURISEE DE COLIS A L'AIDE D'UN RECEPTACLE DE STOCKAGE COMPATIBLE INTERNET**
[72] CATERINO, MARK, US
[72] KRAUS, KEVIN, US
[72] LOVEJOY, GARRETT, US
[72] WILLIAMS, JASON, US
[72] HUDDART, MARTIN, US
[71] SARGENT MANUFACTURING COMPANY, US
[22] 2016-10-26
[41] 2017-05-11
[62] 3,002,197
[30] US (62/249,683) 2015-11-02
[30] US (62/261,520) 2015-12-01
[30] US (15/334,915) 2016-10-26

[21] **3,153,459**
[13] A1
[25] EN
[54] **NANOFLUIDIC CELL AND LOADING PLATFORM**
[54] **CELLULE NANOFLUIDIQUE ET PLATE-FORME DE CHARGEMENT**
[72] SCIAINI, GERMAN, CA
[72] PETRUK, ARIEL, CA
[71] SCIAINI, GERMAN, CA
[71] PETRUK, ARIEL, CA
[22] 2020-02-05
[41] 2020-08-13
[62] 3,129,209
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[51] **Int.Cl. A61K 38/06 (2006.01) A61K 31/375 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING MUCOSAL TISSUE DISORDERS**
[54]
[72] ARNOLD, ROLAND, US
[72] HENKE, DAVID C., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[22] 2013-10-29
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[25] EN
[54] **METHODS OF PRODUCING HETEROLOGOUS VIRAL NEURAMINIDASE PROTEINS IN MICROALGAE**
[54]
[72] APT, KIRK EMIL, US
[72] BAYNE, ANNE-CECILE V., US
[72] LIPPMEIER, JAMES CASEY, US
[72] ZIRKLE, ROSS ERIC, US
[71] SANOFI VACCINE TECHNOLOGIES, S.A.S., FR
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[13] A1
[25] EN
[54] **PLANT REGULATORY ELEMENTS AND USES THEREOF**
[54]
[72] FLASINSKI, STANISLAW, US
[72] FOAT, BARRETT C., US
[72] OUFATTOLE, MOHAMMED, US
[72] SHULTZ, RANDALL W., US
[72] WEI, XIAOPING, US
[72] WU, WEI, US
[72] YANG, SHIAW-PYNG, US
[71] MONSANTO TECHNOLOGY LLC, US
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[62] 3,064,536
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[21] **3,153,581**
[13] A1
[25] EN
[54] **ROTARY POSITIVE-DISPLACEMENT MACHINE**
[54] **MACHINE VOLUMETRIQUE ROTATIVE**
[72] DMITRIEV, OLEG, GB
[72] TABOTA, EVGENIY, GB
[71] VERT ROTORS UK LIMITED, GB
[22] 2015-02-18
[41] 2015-08-27
[62] 2,940,158
[30] GB (1402886.4) 2014-02-18
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[51] **Int.Cl. B60N 2/30 (2006.01) B60N 2/68 (2006.01)**
[25] EN
[54] **STOW-IN-FLOOR SEAT ASSEMBLY WITH PITCHED EASY ENTRY POSITION**
[54] **ENSEMBLE DE SIEGE A RANGER DANS LE PLANCHER A POSITION D'ENTREE FACILE INCLINEE**
[72] JENSEN, NATHAN A., US
[72] JAGTAP, PRASAD D., US
[72] PROULX, ALAN, US
[72] BRUSH, TIMOTHY J., US
[72] CHINNADURAI, SENTHIL K., US
[72] KEDIA, ABHISHEK, US
[72] HANDIGOL, UMESH P., US
[72] CARROLL, JEFFREY P., US
[72] DADD, LYLE, US
[72] TAME, OMAR D., US
[72] COFFEY, ROBERT T., US
[72] FOLK, AVERY, US
[72] THAMAKE, RAVINDRA, US
[71] MAGNA SEATING INC., CA
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[62] 2,971,818
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[25] EN
[54] **BETA-LACTAMASE INHIBITORS AND USES THEREOF**
[54] **INHIBITEURS DE BETA-LACTAMASE ET LEUR UTILISATION**
[72] GORDON, ERIC M., US
[72] FREUND, JOHN, US
[72] GALLOP, MARK A., US
[72] DUNCTON, MATTHEW ALEXANDER JAMES, US
[71] ARIXA PHARMACEUTICALS, INC., US
[22] 2018-05-02
[41] 2018-11-15
[62] 3,062,619
[30] US (62/504,523) 2017-05-10
[30] US (62/551,043) 2017-08-28
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[25] EN
[54] **GIFT-TRANSFER SYSTEM**
[54] **SYSTEME DE TRANSFERT DE CADEAU**
[72] SCHIMKE, SCOTT A., US
[72] GARBOS, JENNIFER R., US
[71] HALLMARK CARDS, INCORPORATED, US
[22] 2017-12-07
[41] 2019-04-24
[62] 2,987,960
[30] US (15/791,576) 2017-10-24

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[21] **3,153,595**
[13] A1
[25] EN
[54] **LEARNING CONTOUR IDENTIFICATION SYSTEM USING PORTABLE CONTOUR METRICS DERIVED FROM CONTOUR MAPPINGS**
[54] **SYSTEME D'IDENTIFICATION DE CONTOUR D'APPRENTISSAGE AU MOYEN DE MESURES DE CONTOUR PORTABLE DERIVEES DE MAPPAGES DE CONTOURS**
[72] PADUBRIN, HARRY FRIEDBERT, US
[71] PADUBRIN, HARRY FRIEDBERT, US
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[54] **SHINGLES WITH INCREASED HYDROPHOBICITY**
[54] **BARDEAUX OFFRANT UNE HYDROPHOBICITE ACCRUE**
[72] VERMILION, DONN R., US
[72] ZHANG, XIUJUAN, US
[72] WARD, WILLIAM BRIAN, US
[72] ARMINTROUT, CHRIS, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
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[62] 2,882,545
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[25] EN
[54] **SYSTEM AND METHOD FOR STORING DILUTED BITUMEN IN LATE LIFE IN SITU RESERVOIRS**
[54]
[72] BEENTJES, IVAN, CA
[72] MCMINN, NEIL ALAN, CA
[72] GLOVER, ROBERT DANIEL, CA
[71] SUNCOR ENERGY INC., CA
[22] 2020-03-05
[41] 2021-09-05
[62] 3,074,785

[21] **3,153,607**
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[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **IMAGE ENCODING METHOD AND APPARATUS, AND IMAGE DECODING METHOD AND APPARATUS**
[54]
[72] PARK, MIN-WOO, KR
[72] PARK, MIN-SOO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2018-07-06
[41] 2019-01-10
[62] 3,069,009
[30] US (62/529,156) 2017-07-06

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[13] A1
[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **IMAGE ENCODING METHOD AND APPARATUS, AND IMAGE DECODING METHOD AND APPARATUS**
[54]
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[72] PARK, MIN-SOO, KR
[71] SAMSUNG ELECTRONICS CO., LTD., KR
[22] 2018-07-06
[41] 2019-01-10
[62] 3,069,009
[30] US (62/529,156) 2017-07-06

[21] **3,153,682**
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[54] **METHODS AND COMPOSITIONS OF MOLECULAR PROFILING FOR DISEASE DIAGNOSTICS**
[54]
[72] KENNEDY, GIULIA C., US
[72] ANDERSON, BONNIE H., US
[72] CHUDOVA, DARYA I., US
[72] WANG, ERIC T., US
[72] WANG, HUI, US
[72] PAGAN, MORAIMA, US
[72] RABBEE, NUSRAT, US
[72] WILDE, JONATHAN I., US
[71] VERACYTE, INC., US
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[30] US (61/199,585) 2008-11-17
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[54] **IMPROVED METHODS FOR CONDUCTING MULTIPLEXED ASSAYS**
[54]
[72] GLEZER, ELI N., US
[72] KUMAR, SUDEEP, US
[72] OBEROI, PANKAJ, US
[72] SIGAL, GEORGE, US
[72] TSIONSKY, MICHAEL, US
[71] MESO SCALE TECHNOLOGIES, LLC., US
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[62] 2,904,020
[30] US (61/775,860) 2013-03-11
[30] US (61/778,727) 2013-03-13

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[13] A1
[51] **Int.Cl. A61H 3/00 (2006.01) A61H 1/02 (2006.01) B25J 9/00 (2006.01) B25J 11/00 (2006.01)**
[25] EN
[54] **MOBILITY AID**
[54]
[72] LITTLE, RICHARD, NZ
[71] REX BIONICS LIMITED, NZ
[22] 2013-11-29
[41] 2015-06-04
[62] 2,931,777

[21] **3,153,799**
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[25] EN
[54] **STABLE AQUEOUS FORMULATIONS OF ADALIMUMAB**
[54]
[72] MANNING, MARK, US
[72] PAYNE, ROBERT W., US
[71] COHERUS BIOSCIENCES, INC., US
[22] 2013-09-06
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[13] A1
[25] EN
[54] **SURGICAL CORD TENSIONING DEVICES, SYSTEMS, AND METHODS**
[54]
[72] MAST, RANDALL G., US
[71] ZIMMER BIOMET SPINE, INC., US
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[62] 3,073,564
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[54] **METHODS OF AUGMENTING SEARCH ENGINES FOR ECOMMERCE INFORMATION RETRIEVAL**
[54]
[72] WARREN, WILL, CA
[72] GOSSAGE, ROLAND, CA
[71] GROUPBY INC., CA
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[21] **3,153,863**
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[54] **FLEXIBLE COMMISSURE FRAME**
[54] **CADRE A COMMISSURE FLEXIBLE**
[72] LEVI, TAMIR S., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[22] 2015-02-18
[41] 2015-08-27
[62] 2,910,087
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[13] A1
[25] EN
[54] **DEVICE AND METHOD FOR SUBGINGIVAL MEASUREMENT**
[54] **DISPOSITIF ET PROCEDE DE MESURE SUB-GINGIVALE**
[72] PESACH, BENNY, IL
[72] GRAD, YGAEL, IL
[72] LEHR, BLANC ZACH, IL
[72] MELAMED, GEORGY, IL
[71] DENTLYTEC G.P.L. LTD, IL
[22] 2013-12-24
[41] 2014-07-03
[62] 2,896,210
[30] US (61/745,744) 2012-12-24

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[51] **Int.Cl. A61K 9/20 (2006.01) A61K 31/137 (2006.01) A61K 31/197 (2006.01)**
[25] EN
[54] **PROCESS FOR SYNTHESIS OF ACIDIC SALTS OF AMINES FROM A-AMINO ACIDS AND FORMULATION COMPRISING SUCH AMINE ACIDIC SALTS**
[54] **PROCEDE DE SYNTHESE DE SELS ACIDES D'AMINES PROVENANT D'ACIDES A-AMINES ET FORMULATION COMPRENANT DE TELS SELS ACIDES D'AMINE**
[72] HOLDER, MICHAEL, CA
[71] SMITH ENNISKILLEN COMPANY LIMITED, CA
[22] 2021-09-28
[41] 2022-01-20
[62] 3,132,224

[21] **3,154,006**
[13] A1
[25] EN
[54] **ANTIBACTERIAL PHAGE, PHAGE PEPTIDES AND METHODS OF USE THEREOF**
[54] **PHAGE ANTIBACTERIEN, PEPTIDES PHAGIQUES ET LEURS PROCEDES D'UTILISATION**
[72] DA COSTA GARCIA, MIGUEL ANGELO, PT
[72] SOUSA DE SAO JOSE, CARLOS JORGE, PT
[72] RODRIGUES LEANDRO, CLARA ISABEL, PT
[72] RODRIGUES PARDAL DIAS ANTUNES MARCAL DA SILVA, FILIPA MARIA, PT
[72] MARTINS BARBOSA, ANA RAQUEL, PT
[71] TECHNOPHAGE, INVESTIGACAO E DESENVOLVIMENTO EM BIOTECNOLOGIA S.A., PT
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[62] 3,048,783
[30] US (61/384,015) 2010-09-17

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[51] **Int.Cl. E05F 15/59 (2015.01) E05F 15/53 (2015.01) E05D 7/00 (2006.01) E05D 15/16 (2006.01) E06B 3/34 (2006.01) E06B 3/44 (2006.01)**
[25] EN
[54] **OVERHEAD DOOR AND FRAME ASSEMBLY**
[54] **PORTE-TETE ET ENSEMBLE CADRE**
[72] SCHWEISS, MICHAEL L., US
[71] SORREL QUARTERS, LLC, US
[22] 2015-06-26
[41] 2015-12-26
[62] 2,895,376
[30] US (61/998,361) 2014-06-26

[21] **3,154,027**
[13] A1
[25] EN
[54] **USE OF CYCLIC AMIDE DERIVATIVES TO TREAT SIGMA RECEPTOR-MEDIATED DISORDERS**
[54] **UTILISATION DE DERIVES D'AMIDE CYCLIQUE POUR TRAITER DES TROUBLES PROVENANT DU RECEPTEUR SIGMA**
[72] KARABELAS, ARGERIS N., US
[72] LUTHRINGER, REMY HENRI, CH
[72] PELLEGRINI, LORENZO, US
[71] CYRENAIC PHARMACEUTICALS, INC., US
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[30] US (61/366,080) 2010-07-20

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[13] A1
[51] **Int.Cl. B65H 57/22 (2006.01) B65H 57/06 (2006.01) B65H 57/26 (2006.01) B66D 1/36 (2006.01) E21B 15/00 (2006.01)**
[25] EN
[54] **LINE STABILIZER**
[54]
[72] KRIJNEN, ANTON, NL
[71] NATIONAL OILWELL VARCO, L.P., US
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[41] 2015-12-04
[62] 2,874,170
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LIU, KEVIN KUN CHIN 3,154,136
LIU, NINGNING 3,141,865
LIU, QIANKUN 3,126,005
LIU, QIANKUN 3,129,274
LIU, RUI 3,147,427
LIU, YULING 3,149,142
LIU, ZHIHUA 3,149,142
LIUZZA, MARIO 3,154,651
LOCIURO, SERGIO 3,154,129
LOCIURO, SERGIO 3,154,317
LOCIURO, SERGIO 3,154,318
LOEWENHEATH, HANS CHRISTOPHER 3,154,684
LOGAN, BEN 3,154,492
LOISEL, STEVE 3,154,683
LOMBARDO, ANDREA 3,154,552
LONDHE, HARSHITA 3,154,338
LOPATIN, RACHEL E. 3,154,157
LOPES, ALESSANDRA 3,154,655
LORD, ANTON 3,154,877
LORD, MAGGY 3,154,877
LORENZ, IVO C. 3,154,387
LORENZ, IVO C. 3,154,389
LOSER, PASCAL MANUEL 3,154,960
LOTFI, AMIR 3,154,491
LOUBERE, DIMITRY 3,154,857
LOUMAYE, ERNEST 3,149,898
LOUSTAU, MARIA 3,154,450
LOW, SARAH 3,154,654
LOWMAN, ANTHONY M. 3,149,472
LOWNEY, JOSEPH D. 3,154,377
LS MTRON LTD. 3,149,727
LTS LOHMANN THERAPIE-SYSTEME AG 3,154,122
LU, CHUNLIANG 3,154,136
LU, GENLIANG 3,154,768
LU, JIANGPING 3,154,200
LU, XIJIA 3,149,461
LUBANSKY, ALEXANDER SAMUEL 3,149,448
LUC, JOELLE 3,154,697
LUDWIG, DALE 3,154,732
LUEB, GUUS 3,154,687
LUEB, GUUS 3,154,688
LUMAN, TODD 3,154,940
LUMOSA THERAPEUTICS CO., LTD. 3,154,762
LUMUS LTD. 3,154,682
LUNELLA BIOTECH, INC. 3,154,301
LUO, ZHUSHOU 3,149,729
LUOMA, ADRIENNE 3,154,771
LUTZ, WAYNE 3,154,407
LYASHCHENKO, SERGE 3,149,598
LYGOS, INC. 3,149,454
LYNCH, DAVID CHARLES 3,149,738
MA, YI-HUI 3,154,647
MA, ZHAO 3,154,678
MACDONALD, GEORGE ALEXANDER 3,154,684
MACHATHA, STEPHEN GITU 3,149,467
MACKERETH, CRAIG 3,154,383
MACKEY, STEVEN 3,154,673
MACLEAN, TIMOTHY JAMES 3,154,651
MADDEN, BENJAMIN J. 3,154,164
MADDOX, JEFF 3,149,600
MAHONEY, DOUGLAS W. 3,149,601
MAHUNIK, WESLEY 3,149,717
MAIER, FERDINAND 3,154,348
MAJERNIK, MARTIN 3,154,659
MALACRIDA, STEFANO 3,149,863
MALECKI, MICHAEL 3,149,888
MALLERY, DAVID 3,149,601
MALONSON, BERNIE LEWIS 3,154,896
MAMBA, BHEKIE BRILLIANCE 3,154,326
MAN, CHARLIE 3,149,608
MANALAD, JAMES 3,149,539
MANN, VIKTOR KHRIST'YANOVICH 3,154,702
MANTEIGA, JOHN C. 3,154,026
MANUHO CO., LTD. 3,154,360
MARAPPAN, SUBRAMANIAN 3,154,768
MARCASUZAA, PIERRE 3,149,591
MARCOZ, ALAIN 3,150,981
MARIANI, MAURIZIO F. 3,154,302
MARQUEZ, CESAR P. 3,149,872
MARTIN, NATHANIEL I. 3,154,803
MARTIN, PIERRE 3,149,762
MARTIN, SCOTT THOMAS 3,149,461
MARUTA, SATOSHI 3,149,749
MARUTA, SATOSHI 3,149,762
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 3,154,861
MATERA, MATTHEW JAMES 3,149,542
MATSUI, MOTOSHI 3,154,754
MATSUSHITA, TSUYOSHI 3,154,691
MATSUZAWA, SHUN 3,154,705
MATSUZAWA, SHUN 3,154,709
MAURER, GARRETT 3,154,863

MAURER, SCOTTUS 3,154,742
MAYER, ALFONS ERNST HENDRIK JOHAN 3,149,745
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,149,601
MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH 3,154,164
MAYRHOFER, MARCO 3,154,692
MCCULLOUGH, TIMOTHY 3,154,135
MCDONAGH, GARETH JAMES 3,149,566
MCEWAN, ROBERT EBOW 3,154,163
MCFARLAND, WILLIAM J. 3,154,644
MCGLONE, JOHN J. 3,154,067
MCKEIRNAN, ROBERT D. 3,149,889
MCKENZIE, ANDREW 3,154,720
MCKINLEY, MICHAEL 3,149,888
MCMANUS, KIMBERLY F. 3,154,157
MEEK, PETER JOHN 3,154,107
MEESE-MARKTSCHEFFEL, JULIANE 3,154,733
MEIJI CO., LTD. 3,154,355
MEJIAS CORDERO, ANA BELEN 3,154,676
MELE, ANDREA 3,150,547
MELIKER, DANIEL 3,149,548
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES 3,154,387
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES 3,154,389
MEMORIAL SLOAN KETTERING CANCER CENTER 3,149,598
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,154,387
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,154,389
MEMORIAL SLOAN-KETTERING CANCER CENTER 3,154,898
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MENON, SAMIR 3,154,470
MENON, SAMIR 3,154,706
MERCARI, INC. 3,154,482
MERCIER, REAL 3,149,475
MERCK PATENT GMBH 3,154,653
MERCK SHARP & DOHME CORP. 3,154,726
MEREO BIOPHARMA 4 LIMITED 3,154,761
MERREYWETHER, RICHARD C. 3,149,524
MERZEAU, JULIEN D. 3,149,524
MHWIRTH AS 3,154,104
MI, ZAICHUAN 3,149,472
MIAH, MIZAN 3,149,600
MIANZO, LAWRENCE A. 3,149,744
MIAO, XIAONAN 3,154,205
MICHALAKIS, STYLIANOS 3,154,634
MICHEL, CAROLE 3,154,697
MICHEL, DAVID TOMLINE 3,154,855
MICLEA, COSMIN D. 3,154,552
MICRO MOTION, INC. 3,154,684
MICRO-TRAK SYSTEMS, INC. 3,149,732
MICRO-TRAK SYSTEMS, INC. 3,149,753
MIDDLETON, JOHN CHARLES 3,154,134
MIEGEL, JONATHON LUKE 3,149,448
MIH, NATHAN 3,149,454
MIJOVY (PTY) LIMITED 3,154,660
MIKKELSEN, BLAIR 3,154,673
MILITZ, HOLGER 3,154,311
MILLER, JARED 3,154,597
MILLER, JEFFREY S. 3,154,158
MILLER, JUSTIN B. 3,154,726
MILLER, MARC 3,149,744
MILLIKEN & COMPANY 3,149,763
MILLIKEN & COMPANY 3,149,854
MILLIKEN & COMPANY 3,149,857
MILTON, JOHN 3,149,787
MINAMI, HIROAKI 3,154,696
MINAMIBAYASHI, KENTA 3,154,665
MINAMIBAYASHI, KENTA 3,154,666
MINER, JEFFREY 3,154,859
MINTEK 3,154,105
MIP DIAGNOSTICS LIMITED 3,154,963
MIRMIRA, SRINIVAS R. 3,154,612
MIRONOV, OLEG 3,154,400
MISENER, LOWELL 3,154,886
MIYAKE, MASAHIRO 3,154,754
MJNN LLC 3,149,542
MO, KUNLIAN 3,140,837
MODERNATX, INC. 3,154,082
MODERNATX, INC. 3,154,618
MODERNATX, INC. 3,154,720
MOGU CO., LTD. 3,149,569
MOHAMED, YASSER MOSAAD AHMED 3,154,625
MOMENI, CAMRON 3,149,895
MONIAN, PRASHANT 3,154,768
MONTEIRO, MICHAEL 3,154,139
MOORE, CHAD A. 3,149,744
MOORE, MATTHEW 3,149,740
MOREAU, GILLES 3,149,453
MOROTA, JUNICHI 3,154,356
MORRIS, SCOTT 3,149,601
MORRIS-DOWNING, TALBOT 3,154,706
MORRISON, KENDALL 3,154,710
MORROW, DESMOND IAN JOHN 3,149,604
MOSES, JOHN M. 3,149,552
MOSS, JON 3,154,138
MOTAMAYOR ARIAS, JUAN CARLOS 3,154,860
MOTTE, MAGALI MADELEINE SIMONE 3,149,868
MOUNTAIN, JOANNA L. 3,154,157
MOVAHEDINIA, REZA 3,154,668
MTG CO., LTD. 3,154,691
MUDD, GEMMA 3,154,672
MUELLER, SABRINA 3,149,719
MUKHERJEE, AMITAV 3,154,554
MUNGER, SETH 3,149,882
MUNROE, MELISSA E. 3,154,713
MURALI, VIVEK 3,154,667
MURCKO, MARK ANDREW 3,154,026
MURDOCH UNIVERSITY 3,149,735
MURRAY, KELLEN 3,149,542
MUS, FLORENCE 3,154,903
MUYSKENS, ROBERT HENRY 3,149,567
MYCOTECHNOLOGY, INC. 3,154,616
MYELOID THERAPEUTICS, INC. 3,149,897
MYLLYOJA, JUKKA 3,149,519
MYNARCIK, DENNIS C. 3,149,789
MYTHIC THERAPEUTICS, INC. 3,154,072
NA, CHENGLONG 3,147,427
NAAMAN, OFER 3,154,738
NADUKURU, NARAYANA G. 3,149,744
NAHMOUD, SERGIO 3,149,548
NAIDU, VENKATARAMANA 3,154,799
NAIK, SAMIR 3,154,159
NAM, TAE-GYU 3,154,502
NANGIA, AVINASH 3,154,134
NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD 3,149,590
NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD 3,149,603
NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD 3,149,605
NANJING ANJI BIOLOGICAL TECHNOLOGY CO., LTD 3,149,606
NANJING SHIHE GENE BIOTECHNOLOGY CO., LTD. 3,147,427
NANJING ZHENGXIANG PHARMACEUTICALS CO., LTD. 3,154,475
NASH, CODY Z. 3,154,500
NATIONAL CANCER INSTITUTE 3,154,761
NATIONAL INSTITUTE FOR BIOTECHNOLOGY IN THE NEGEV LTD. 3,149,754
NAUMANN, TOBIAS 3,154,253
NAVARRETE, NEILSON GUTAY 3,149,567
NAYLOR, ALAN 3,154,867
NAYYAR, SOBIA 3,149,787
NAZEF, NAIM 3,149,775
NEC PLATFORMS, LTD. 3,154,190
NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO 3,149,745
NEELY, ROBERT 3,154,637
NEELY, ROBERT 3,154,656
NELSON, BRAD 3,154,214
NELSON, JAMES ROBERT 3,153,984
NESTE OYJ 3,149,442
NESTE OYJ 3,149,519
NESTE OYJ 3,149,520
NESTE OYJ 3,149,521
NESTERENKO, IGOR 3,149,532
NESTERENKO, IGOR 3,149,538
NETSHIKHUDINI, TSHAMANO 3,154,105

NEUTRIK AG 3,154,128
NEWBOLD, PAUL 3,154,679
NEWKOTA SERVICES AND RENTALS, LLC 3,149,475
NEXTECH BATTERIES, INC. 3,154,276
NEXTLEAF SOLUTIONS LTD 3,154,600
NG, SARAH MAN YEE 3,154,867
NGUYEN, LIEN 3,154,741
NICHOLS, ALEXANDER J. 3,154,072
NICOUD, SEBASTIEN 3,154,662
NIEDZ, RANDALL P. 3,154,614
NIENABER, QUINTIN 3,149,890
NILSSON, ANDERS 3,154,929
NILSSON, ANDERS 3,154,938
NILSSON, KLAS 3,154,657
NIPPON STEEL CORPORATION 3,149,749
NIPPON STEEL CORPORATION 3,149,762
NIPPON TELEGRAPH AND TELEPHONE CORPORATION 3,154,351
NIVELLES, GEERT RITA ERIK VICTOR 3,154,781
NOBBS, CHRIS 3,154,487
NOLEUS TECHNOLOGIES INC. 3,154,279
NOLTING, BIRTE 3,154,774
NOR, NASIR MAT 3,154,499
NORTHWESTERN UNIVERSITY 3,154,477
NOVAK, PETER 3,154,392
NOVARTIS AG 3,154,136
NOVARTIS AG 3,154,302
NOVITSKI, DAVID 3,154,600
NUGENT, THOMAS J. 3,154,854
NUNLEY, MARK 3,154,686
NUNOYA, NOBUHIRO 3,154,351
NUSSENZWEIG, MICHEL 3,154,556
NXP AERONAUTICS RESEARCH, LLC 3,149,568
NYSTROM, BRANT DENNIS 3,149,567
O'BRIEN, JAMES 3,154,492
O'CARROLL, COLIN 3,154,859
O'DONNELL, NIALL 3,154,859
O'HEERON, PETE 3,154,063
O'NEIL, ROBERT MONTGOMERY 3,149,562
O'REILLY, ALAN 3,154,053
O'REILLY, ALLAN 3,154,053
O'ROURKE, DONALD M. 3,149,543
OBSEVA S.A. 3,149,898
OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR" 3,154,702
OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR" 3,154,865
OCUNEXUS THERAPEUTICS, INC. 3,154,499
ODAK, ASHLESHA 3,154,898
OERLIKON METCO (US) INC. 3,154,086
OETIKER NY, INC. 3,149,440
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES 3,154,855
OFINNO, LLC 3,154,162
OFINNO, LLC 3,154,624
OGAKI, RYOSUKE 3,149,787
OGATA, DAISUKE 3,154,665
OGATA, DAISUKE 3,154,666
OGAWA, DAISIE 3,154,940
OGDEN, NICK 3,149,886
OGISO, YOSHIHIRO 3,154,351
OGIWARA, JIN 3,154,355
OH, BYONG MOK 3,154,482
OHIO STATE INNOVATION FOUNDATION 3,149,858
OHLSSON, HENRIK 3,154,145
OHNO, TATSUYA 3,149,733
OKLAHOMA MEDICAL RESEARCH FOUNDATION 3,154,713
OKU, YOUSUKE 3,149,749
OKU, YOUSUKE 3,149,762
OLIVER, COLIN RICHARD 3,149,456
OLSHAVSKY, JUSTIN M. 3,154,683
OLSON, ANNA 3,149,542
OLSON, RICHARD E. 3,149,594
OLSZEWSKI, MARCIN 3,154,551
ONODERA, TATSUYA 3,149,733
OPSIDIO, LLC 3,154,648
OPSIDIO, LLC 3,154,649
ORCHARD, ROBERT GRAHAM 3,149,451
ORF, NICHOLAS 3,154,495
ORIGENIS GMBH 3,154,123
ORIGENIS GMBH 3,154,131
ORLANDI, FRANCESCA 3,154,302
ORYC DRILL MANUFACTURING (PTY) LTD. 3,154,670
OSATO, KEN 3,149,721
OSATO, KEN 3,149,724
OSLO UNIVERSITETSSYKEHUS 3,154,303
OSTERTAG, ERIC M. 3,149,892
OTERO MARTINEZ, IRAN 3,154,896
OTSUKA PHARMACEUTICAL CO., LTD. 3,154,754
OU, GUOLIANG 3,149,750
OXFORD NANOPORE TECHNOLOGIES PLC 3,149,787
OZAKI, JOSUKE 3,154,351
PALANIGOUNDER, ANAND 3,154,161
PALEY, DEREK 3,149,541
PAN, JAE GU 3,149,784
PANDEY, GAUTAM 3,149,228
PANDI CHELVAM, SHRUTHI 3,154,667
PANGBURN, THOMAS EUGENE 3,149,567
PANITZSCH, TORSTEN 3,149,465
PANKRATZ, ANTHONY WILLIAM 3,154,684
PANTHER, GYLES 3,154,668
PANTHER, LORI 3,154,082
PAPO, NIV 3,149,754
PARK, EUN-HYE 3,149,784
PARK, KYONG HO 3,149,727
PARK, MINCHUL 3,149,784
PARKIN, JACQUELINE 3,154,761
PASBEAU, XAVIER 3,154,607
PATEL, AVINASH 3,154,026
PATEL, DENISHA 3,154,380
PATEL, MANISH MAVJIBHAI 3,154,799
PATRIZIO, DAMIANO 3,154,986
PATTEN, WILLIE ROBERT, JR. 3,154,647
PAULICK, MARGOT G. 3,154,608
PAVLETIC, STEVEN Z 3,154,761
PAWLOSKY, ANNALISA MARIE 3,149,852
PBS INTERNATIONAL LTD 3,149,541
PEARL INC. 3,149,760
PECHARROMAN MERCADO, EMILIO 3,154,676
PEER, CODY J. 3,154,761
PEESAPATI, SAMEERA ANIRUDH 3,154,059
PEGG, TIMOTHY JAMES 3,154,684
PEKKARINEN, TIMO 3,154,636
PELEVIN, ALEKSANDR GENNAD'EVICH 3,154,702
PELZEK, BRYON 3,154,455
PENUMBRA, INC. 3,154,683
PEREYRA BONNET, FEDERICO ALBERTO 3,154,479
PEREZ SAEZ, JUAN MANUEL 3,149,596
PEREZ, MARCELO 3,154,860
PERKINS ADAMS, TERESA 3,154,500
PERKINS, D.H. 3,154,641
PERNI, ROBERT B. 3,154,079
PESCINI, ENRICO 3,154,140
PETERS, JEFFREY M. 3,149,779
PETERS, JOHN 3,154,903
PETITCLERC-DEMERS, CHRISTOPHE 3,154,258
PHAM, VINCENT 3,143,972
PHAN, RAYMOND 3,149,576
PHILIP MORRIS PRODUCTS S.A. 3,149,765
PHILIP MORRIS PRODUCTS S.A. 3,154,400
PHILIP MORRIS PRODUCTS S.A. 3,154,417
PHILLIPS, MARTIN 3,154,648
PHILLIPS, MARTIN 3,154,649
PHOTONIC INC. 3,154,882
PICOSUN OY 3,154,777

PIDAPARTHI, ROHIT ARKA 3,154,470
PIDAPARTHI, ROHIT ARKA 3,154,706
PIDDE, AARON 3,154,493
PIERRE FABRE DERMO-COSMETIQUE 3,154,697
PIETILAINEN, ANTTI 3,154,636
PILLARSETTY, NAGA VARA KISHORE 3,149,598
PINDROP SECURITY, INC. 3,154,309
PINKUS, MICHAEL C 3,154,065
PIONEER HI-BRED INTERNATIONAL, INC. 3,154,163
PIORKOWSKA, KATARZYNA EWA 3,149,837
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PIZZICONI, VINCENT 3,149,599
PLAID INC. 3,154,159
PLANT, BEN 3,149,890
PLANZ, OLIVER 3,149,588
PLASMA TECHNOLOGIES, LLC 3,149,770
PLASMA TECHNOLOGIES, LLC 3,149,777
PLASSEIN TECHNOLOGIES LTD. LLC 3,149,738
PLATFORM SCIENCE, INC. 3,154,483
PLATONOV, VITALIJ VLADIMIROVICH 3,154,865
PLOURDE, ERIC 3,154,047
PLUME DESIGN, INC. 3,154,644
POGANSKI, DAVID 3,149,742
POHL, MARY ANN 3,154,387
POHL, MARY ANN 3,154,389
POHL, OLIVER 3,149,898
POHNER, LARS 3,154,104
POLIRESIN S.R.L. 3,149,863
POLITECNICO DI MILANO 3,150,547
POLOTZEK, DAGMAR 3,154,680
POLOTZEK, DAGMAR 3,154,960
POLYACTIVA PTY LTD 3,154,867
POPA, NICHOLAS 3,149,769
POPINIGIS, ARKADIUSZ 3,154,551
POSEIDA THERAPEUTICS, INC. 3,149,892
POTTAYIL, BEN VARKEY BENJAMIN 3,154,470
PREAT, VERONIQUE 3,154,655
PRELUDE THERAPEUTICS INCORPORATED 3,154,566
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,154,384
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PREVAYL INNOVATIONS LIMITED 3,149,776
PRICE, DAVID M. 3,152,073
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PROGRESS RAIL SERVICES CORPORATION 3,149,744
PROMMUNE, INC. 3,154,373
PROPRIETECT L.P. 3,149,751
PROSHARP INC. 3,154,282
PROSHARP INC. 3,154,378
PROST, JEAN-FRANCOIS 3,149,772
PROTIFI, LLC 3,149,447
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PROVINCIAL HEALTH SERVICES AUTHORITY 3,154,214
PUDAS, MARKO 3,154,777
PURE GREEN PHARMACEUTICALS, INC. 3,149,768
PURE LIFE CARBON INC. 3,149,607
PURKIS, DANIEL GEORGE 3,149,822
PUTTASHAMACHAR, NANDAKISHORE 3,149,760
PUZANOV, IL'YA IVANOVICH 3,154,865
QI, YUXIN 3,141,865
QIAN, MINGXIN 3,154,171
QIN, ZENGQUAN 3,154,111
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QUIST, KARL 3,154,938
QURAISHI, ANNAM K. 3,154,683
R, GOWDHAM 3,149,571
R, SREE RAGHAV 3,149,571
R. G. BARRY CORPORATION 3,154,745
RACKIT LTD 3,154,048
RADTKE, PETER 3,149,770
RADTKE, PETER 3,149,777
RAEDT, SEPP DE 3,154,303
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RAHMEL, DANIELA KATHARINA 3,154,680
RAHMEL, DANIELA KATHARINA 3,154,960
RAI STRATEGIC HOLDINGS, INC. 3,149,463
RAKUTT, DIETMAR 3,149,597
RAMIREZ-SERRANO, JAIME 3,154,731
RAMO, VIRPI 3,149,520
RAMO, VIRPI 3,149,521
RAMSEY, WINSTON 3,149,441
RAN, YINKANG 3,148,259
RAND, RYAN JAMES 3,149,607
RANELLA, CHRISTOPHER J. 3,151,989
RANGASWAMY, SUBRAMANIAM 3,154,086
RANUM, LAURA 3,154,741
RAO, ARCHAN PADMANABHAN 3,154,727
RASANEN, JUKKA 3,149,520
RASANEN, JUKKA 3,149,521
RASOOL, SUHAIL 3,154,481
RAVICHANDRAN, RAMPRAKASH 3,149,571
RAVIKRISHNAN, JANANI 3,154,940
RAVIN CROSSBOWS, LLC 3,149,780
REGEDANZ, ROBERT 3,149,538
REGENERON PHARMACEUTICALS, INC. 3,149,717
REGENERON PHARMACEUTICALS, INC. 3,153,980
REGENERON PHARMACEUTICALS, INC. 3,154,609
REGENERON PHARMACEUTICALS, INC. 3,154,621
REGENTS OF THE UNIVERSITY OF MINNESOTA 3,154,158
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REINSDORF, ARNE 3,149,579
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REMONEN, TOMMI 3,154,599
RENE, ADELINE JULIE DOMINIQUE MARIE 3,149,868
RENEO PHARMACEUTICALS, INC. 3,154,859
RENERVA, LLC 3,154,767
RENZI-RICCI, GIULIO 3,149,578
REPIZO, GUILLERMO DANIEL 3,154,479
RESTORE VISION INC. 3,154,358
REYNAUD, STEPHANIE 3,149,591
RHODUS, SAMUEL LEO 3,149,567
RICOTTI, VALERIA 3,149,444
RIEDL, JAN 3,149,787
RIEDMAYR, LISA 3,154,634
RIGBY, MICHAEL 3,154,672
RIGEL PHARMACEUTICALS, INC. 3,149,729
RILEY, XAVIER 3,149,894
RIMINI STREET, INC. 3,154,383
RINK, JONATHAN S. 3,154,477
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