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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

Table of Contents
Table des matières

Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

On this page:

14. Procédures de correspondance

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

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

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

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

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

Sur cette page :

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

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.

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 September 29, 2020 contains applications open to public inspection from September 13, 2020 to September 19, 2020.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 29 septembre 2020 contient les demandes disponibles au public pour consultation pour la période du 13 septembre 2020 au 19 septembre 2020.

16. Dedication to the Public

The Commissioner of Patents
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent **No. 2408915**
Issued: 2010-07-27
Present Owner: ABBVIE DEUTSCHLAND GMBH & CO KG

Title: **SELF-EMULSIFYING ACTIVE SUBSTANCE FORMULATION AND USE OF THIS FORMULATION**

Subject to the terms of this document, ABBVIE DEUTSCHLAND GMBH & CO KG, as the owner of Canadian Patent No. **2,408,915**, entitled "SELF-EMULSIFYING ACTIVE SUBSTANCE FORMULATION AND USE OF THIS FORMULATION" (inventors Gunther Berndl, Jorg Breitenbach, Robert Heger, Jorg Rosenberg, Michael Stadler) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. **2,408,915** for the entirety of the term of the Patent.
The present dedication of the Canadian Patent No. **2,408,915** is made without any prejudice to the rights of ABBVIE DEUTSCHLAND GMBH & CO KG in and to any other patent or pending patent applications.
The present dedication shall apply to all subsequent owners of Canadian Patent No. **2,408,915** and to all persons who now or in the future may hold any rights under Canadian Patent No. **2,408,915**.
The patentee, ABBVIE DEUTSCHLAND GMBH & CO KG, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Toronto, Ontario, Canada, this 23rd day of March, 2020.
[signature]
Name: Torys LLP
Title: Agent for the Patentee

16. Cession au Domaine Public

Le Commissaire des brevets
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien **no: 2408915**
Delivré: 2010-07-27
Titulaire actuel : ABBVIE DEUTSCHLAND GMBH & CO KG

Titre : **FORMULATION AUTOEMULSIFIANTE DE PRINCIPE ACTIF ET UTILISATION DE LADITE FORMULATION**

Par la présente et sous réserve des dispositions du présent document, ABBVIE DEUTSCHLAND GMBH & CO KG, à titre de propriétaire du brevet canadien no **2,408,915**, intitulé «FORMULATION AUTOEMULSIFIANTE DE PRINCIPE ACTIF ET UTILISATION DE LADITE FORMULATION» (inventeurs Gunther Berndl, Jorg Breitenbach, Robert Heger, Jorg Rosenberg, Michael Stadler) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no **2,408,915** pour toute la durée du brevet.
La présente cession du brevet canadien no **2,408,915** se fait sans préjudice des droits ABBVIE DEUTSCHLAND GMBH & CO KG sur l'ensemble des brevets et des demandes de brevet en instance.
La présente cession s'applique à tous les titulaires subséquents du brevet canadien no **2,408,915** et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no **2,408,915**.
Le breveté, ABBVIE DEUTSCHLAND GMBH & CO KG demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet, en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Toronto, en Ontario, au Canada, ce 23 jour du mois de mars 2020.
[signature]
Nom; : Torys LLP
Titre: Agent for the Patentee

Canadian Patents Issued

September 29, 2020

Brevets canadiens délivrés

29 septembre 2020

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[73] THALES, FR
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[72] FRISCHMAN, MARK, CA
[72] CLIFFORD, BRUCE KENNETH, CA
[72] WARD, ADAM SAMUEL, US
[73] MULTIWAVE SENSORS INC., CA
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[54] **NANOPARTICULES A BASE DE LIPIDE**
[72] ANNAPRAGADA, ANANTH, US
[72] ERIKSEN, JASON L., US
[72] TANIFUM, ERIC A., US
[72] DASGUPTA, INDRANI, US
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[54] **CATECHOLS SUBSTITUES EN TANT QU'INHIBITEURS DE IL-4 ET IL-5 POUR LE TRAITEMENT DE L'ASTHME BRONCHIQUE**
[72] BANDYOPADHYAY, SANTU, IN
[72] GHOSH, BALARAM, IN
[72] JAISANKAR, PARASURAMAN, IN
[72] PAL, BIKAS CHANDRA, IN
[72] ROY, SIDDHARTHA, IN
[72] PAUL, BHOLANATH, IN
[72] RAM, ARJUN, IN
[72] MABALIRAJAN, ULAGANATHAN, IN
[72] ALI, NAHID, IN
[72] BANDOPADHYAY, ARUN, IN
[72] KONAR, ADITYA, IN
[72] CHAKRABOTRY, JAYACHREE BAGCHI, IN
[72] MUKHERJEE, INDRANI CHOUDHURY, IN
[72] CHAUDHURI, JAYDEEP, IN
[72] MAHATO, SANJIT KUMAR, IN
[72] MANNA, ANIRBAN, IN
[72] SINHA, ROMA, IN
[72] BHATTACHARYA, PRADYOT, IN
[72] VINAYAGAM, JAYARAMAN, IN
[72] JANA, DEBA PRASAD, IN
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[54] **COMPOSES DE BENZENE SUBSTITUES PAR ARYLE OU HETEROARYLE**
[72] KUNTZ, KEVIN WAYNE, US
[72] CHESWORTH, RICHARD, US
[72] DUNCAN, KENNETH WILLIAM, US
[72] KEILHACK, HEIKE, US
[72] WARHOLIC, NATALIE, US
[72] KLAUS, CHRISTINE, US
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[72] SHIROTORI, SYUJI, JP
[72] KAWANO, SATOSHI, JP
[72] WIGLE, TIMOTHY JAMES NELSON, US
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[54] **MULTILAYER THIN FILM DRUG DELIVERY DEVICE AND METHODS OF MAKING AND USING THE SAME**
[54] **DISPOSITIF D'ADMINISTRATION D'UN MEDICAMENT CONSTITUE DE PLUSIEURS PELLICULES MINCES, ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] LANCE, KEVIN D., US
[72] DESAI, TEJAL A., US
[72] STEEDMAN, MARK RORY, US
[72] BHISITKUL, ROBERT B., US
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[72] KIRBY, TYLER, US
[73] BOOMERANG SYSTEMS, INC., US
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[54] **ENREGISTREMENT DE DONNEES POUR TRANSPORT ET/OU STOCKAGE D'ORGANE COMPRENANT UN BIOMARQUEUR ET INFORMATIONS D'EVENEMENTS**
[72] KRAVITZ, DAVID, US
[72] BROCKBANK, KELVIN G. M., US
[72] CAMPBELL, LIA H., US
[73] LIFELINE SCIENTIFIC, INC., US
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[72] GRATZER, LOUIS B., US
[73] AVIATION PARTNERS, INC., US
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[54] **CONFIGURATIONS ET PROCEDES DE REHABILITATION THERMIQUE D'INSTALLATION DE RECUPERATION DE LGN**
[72] MAK, JOHN, US
[73] FLUOR TECHNOLOGIES CORPORATION, US
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[54] **BRAKING SYSTEMS AND METHODS FOR DETERMINING DYNAMIC BRAKING DATA FOR A BRAKING MODEL FOR A TRAIN**
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[72] OSWALD, JAMES A., US
[72] SUTHERLAND, DENNIS W., US
[73] WABTEC HOLDING CORP., US
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[72] TRONC, JEROME, FR
[72] DUNAT, JEAN-CHRISTOPHE, FR
[73] AIRBUS DEFENCE AND SPACE SAS, FR
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[54] **SELS DE NORIBOGAINE POLYMORPHES CRISTALLINS OU ASOLVATES**
[72] GLESS, RICHARD D., US
[72] SCHINZER, WILLIAM, US
[73] DEMERX, INC., US
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[54] **PROCEDE DE TRANSCRIPTION D'ACIDE NUCLEIQUE**
[72] SEITZ, ALEXANDER, AT
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[72] NAPORA, MAGDALENA ANNA, AT
[73] LEXOGEN GMBH, AT
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[72] BEAVIL, ANDREW, GB
[72] NESTLE, FRANK, GB
[73] EPSILOGEN LTD, GB
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[54] **MODULE DE SERVICE COMPACT ET SON UTILISATION DANS UNE USINE DE PRODUCTION D'ALUMINIUM PAR ELECTROLYSE**
[72] DAVID, STEPHANE, FR
[73] FIVES ECL, FR
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[54] **MANAGING MOBILE DEVICE APPLICATIONS IN A WIRELESS NETWORK**
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[72] ANDERSEN, NIELS PETER SKOV, DK
[72] PERIYALWAR, SHALINI SURESH, CA
[72] CAMPAGNA, MATTHEW JOHN, US
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[72] LANS, ERIK, SE
[73] CAMFIL AB, SE
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[54] **COMPOSITIONS CATALYTIQUES ET LEUR UTILISATION POUR L'HYDROGENATION DE CAOUTCHOUC NITRILE**
[72] OBRECHT, WERNER, DE
[72] DAVID, SARAH, DE
[72] LIU, QINGCHUN, CN
[72] WEI, ZHENLI, CN
[73] ARLANXEO DEUTSCHLAND GMBH, DE
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[54] **SYSTEM FOR ELECTRICAL CONTACTING OF TENSILE CARRIERS IN SUPPORT MEANS**
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[72] DOLD, FLORIAN, CH
[72] ZAPF, VOLKER, CH
[73] INVENTIO AG, CH
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[54] **ROTOR HELICOIDAL, POMPE A CAVITES PROGRESSIVES ET DISPOSITIF DE POMPAGE**
[72] KOURAKOS, VASILIOS, FR
[72] RAMDE, SOULEYMANE, FR
[73] PCM TECHNOLOGIES, FR
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[54] **SYSTEME, PROCEDE ET DISPOSITIF DE COMMANDE PERMETTANT DE GERER ET DE COMMANDER UN MICRO-RESEAU**
[72] SEDIGHY, MOHAMMAD, CA
[72] IRAVANI, REZA, CA
[72] KAMH, MOHAMED ZAKARIA, CA
[72] EL-DEIB, AMGAD, CA
[72] HAGAR, ABDELRAHMAN, CA
[73] HATCH LTD., CA
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[25] FR
[54] **FIBER STRUCTURE INTENDED TO REINFORCE COMPOSITE MATERIAL PARTS AND INCLUDING A PORTION HAVING A REDUCED THICKNESS**
[54] **STRUCTURE FIBREUSE DE RENFORT DE PIECES EN MATERIAU COMPOSITE A PORTION D'EPAISSEUR REDUITE**
[72] DAMBRINE, BRUNO JACQUES GERARD, FR
[72] COUPE, DOMINIQUE, US
[72] GOERING, JONATHAN, US
[72] MAHIEU, JEAN-NOEL, FR
[73] SNECMA, FR
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[54] **COMPOSITES DE RESINE EPOXY**
[72] FU, LIN, US
[72] ESSEGHIR, MOHAMED, US
[72] HARRIS, WILLIAM J., US
[72] BAYES, MARTIN W., US
[72] EATON, ROBERT F., US
[72] KMIEC, CHESTER J., US
[72] NEESE, BRET P., US
[73] DOW GLOBAL TECHNOLOGIES LLC, US
[73] ROHM AND HAAS ELECTRONIC MATERIALS LLC, US
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[54] **AMINE ADDUCTS, DERIVATIVES THEREOF, METHODS FOR MAKING SUCH ADDUCTS AND DERIVATIVES, AND METHODS FOR USING SUCH ADDUCTS AND DERIVATIVES**
[54] **PRODUITS D'ADDITION D'AMINE, LEURS DERIVES, PROCEDES POUR LA PREPARATION DE TELS PRODUITS D'ADDITION ET DERIVES, ET PROCEDES D'UTILISATION DE TELS PRODUITS D'ADDITION ET DERIVES**
[72] PAKENHAM, DEREK, US
[72] MORVAN, MIKEL, FR
[72] DEGRE, GUILLAUME, FR
[73] RHODIA OPERATIONS, FR
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[54] **RESINE ALKYDE BIOSOURCEE ET PROCEDE DE FABRICATION D'UNE TELLE RESINE ALKYDE**
[72] ROUSSEL, JOEL, FR
[72] BUFFE, CLOTHILDE, FR
[72] CROWTHER-ALWYN, LAURA, FR
[72] VERRAES, ARNAUD, FR
[73] A ET A MADER, FR
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[54] **FORMULATION D'ARN POUR L'IMMUNOTHERAPIE**
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[72] HAAS, HEINRICH, DE
[72] KREITER, SEBASTIAN, DE
[72] DIKEN, MUSTAFA, DE
[72] FRITZ, DANIEL, DE
[72] MENG, MARTIN, DE
[72] KRANZ, LENA MAREEN, DE
[72] REUTER, KERSTIN, DE
[73] BIONTECH RNA PHARMACEUTICALS GMBH, DE
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[86] 2013-03-25 (PCT/EP2013/000902)
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[25] EN
[54] **COMPREHENSIVE SYSTEM AND METHOD OF UNIVERSAL REAL-TIME LINKING OF REAL OBJECTS TO A MACHINE, NETWORK, INTERNET, OR SOFTWARE SERVICE**
[54] **SYSTEME ET PROCEDE EXHAUSTIFS DE LIAISON UNIVERSELLE EN TEMPS REEL D'OBJETS REELS A UNE MACHINE, A UN RESEAU, A L'INTERNET OU A UN SERVICE DE LOGICIEL**
[72] H.KAZEROUNI, POOYA, CA
[73] LINQUET TECHNOLOGIES, INC., CA
[85] 2014-08-28
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[54] **SYSTEME MONOLITHIQUE A DEUX VITESSES POUR LA LIBERATION CONTROLEE DE MEDICAMENTS**
[72] MATEESCU, MIRCEA-ALEXANDRU, CA
[72] CANH, LE TIEN, CA
[73] MATRIPHARM INC. (IN TRUST), CA
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[54] **PROCESS FOR PRODUCING HIGH PURITY CARBON MONOXIDE**
[54] **PROCEDE DE PRODUCTION DE MONOXYDE DE CARBONE DE GRANDE PURETE**
[72] PEDERSEN, FRIIS CLAUS, DK
[72] HANSEN, BOGILD JOHN, DK
[72] ROSTRUP-NIELSEN, THOMAS, DK
[72] NIELSEN, JENS ULRIK, DK
[72] OLSSON, HENRIK, SE
[72] ANDERSEN, KIM HEDEGAARD, DK
[73] HALDOR TOPSOE A/S, DK
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[54] **DEEP-DRAWN PAPER TRAY, A METHOD AND AN APPARATUS FOR MAKING IT, AND A TRAY-FORMED PRODUCT PACKAGE**
[54] **PLATEAU DE PAPIER A EMBOUTISSAGE PROFOND, PROCEDE ET APPAREIL POUR SA FABRICATION ET EMBALLAGE DE PRODUIT EN FORME DE PLATEAU**
[72] RASANEN, JARI, FI
[72] POYHONEN, NIILO, FI
[72] HILTUNEN, MARI, FI
[72] KYLLIAINEN, OUTI, FI
[73] STORA ENSO OYJ, FI
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[54] **POWDER FLAVOUR COMPOSITION**
[54] **COMPOSITION D'AROME EN POUDRE**
[72] SHI, FENG, US
[72] RENES, HARRY, NL
[72] VAN OMMEREN, ESTHER, NL
[72] VORSTER, SUSANNA MAGDALENA, NL
[72] WANG, YILI, US
[72] DE KLERK, ADRI, NL
[73] GIVAUDAN S.A., CH
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[54] **RAINGUARD FOR OILWELL STUFFING BOX CONTAINMENT BASIN**
[54] **PARE-PLUIE DESTINE AU BASSIN DE CONFINEMENT DE BOITE DE GARNITURE DE PUITS DE PETROLE**
[72] LANG, VICTOR, CA
[72] DANG, ELAINE, CA
[72] MORIN, DANIEL, CA
[73] WELLSITE GUARD LTD., CA
[86] (2868597)
[87] (2868597)
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[54] **METHOD AND SYSTEM FOR GROUP COMMUNICATION, GROUP SERVER, AND GROUP MEMBER DEVICE**
[54] **PROCEDE ET SYSTEME DE COMMUNICATION DE GROUPE, SERVEUR DE GROUPE ET DISPOSITIF APPARTENANT A UN GROUPE**
[72] XIAO, FANGYING, CN
[72] ZHANG, YONGJING, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **TREATMENT OF POULTRY, PIGS OR FISH FOR REDUCING THE FEED CONVERSION RATIO OR INCREASING THEIR BODYWEIGHT GAIN**
[54] **TRAITEMENT DES VOLAILLES, DES PORCS OU DES POISSONS VISANT A REDUIRE L'INDICE DE CONVERSION ALIMENTAIRE OU A ACCROITRE LE GAIN DE POIDS**
[72] LAUWAERTS, ANGELO, BE
[72] LAGET, MIA, BE
[72] DE MOOR, CAMILLE, BE
[73] TAMINCO, BE
[85] 2014-10-22
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[54] **NOVEL DOSAGE FORM AND FORMULATION OF ABEDITEROL**
[54] **NOUVELLE FORME DE DOSAGE ET NOUVELLE FORMULATION D'ABEDITEROL**
[72] ALLAIN RUIZ, SANDRINE, ES
[72] SEOANE NUNEZ, BEATRIZ, ES
[72] DE MIQUEL SERRA, GONZALO, ES
[73] ALMIRALL, S.A., ES
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[54] **BEVERAGE DISPENSING UNIT WITH OPENABLE PINCH VALVE**
[54] **UNITE DE DISTRIBUTION DE BOISSON AYANT UN ROBINET A MANCHON OUVRABLE**
[72] PEIRSMAN, DANIEL, BE
[72] VAN HOVE, SARAH, BE
[72] VAN ROMPAEY, JOHAN, BE
[73] ANHEUSER-BUSCH INBEV SA, BE
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[25] FR
[54] **PIPERAZINE DERIVATIVES, METHODS FOR PREPARING SAME, AND USES THEREOF IN THE TREATMENT OF INSULIN RESISTANCE**
[54] **DERIVES DE PIPERAZINE, LEURS PROCEDES DE PREPARATION ET LEURS UTILISATIONS DANS LE TRAITEMENT DE L'INSULINORESISTANCE**
[72] MOINET, GERARD, FR
[72] BAVEREL, GABRIEL, FR
[72] NAZARET, REMI, FR
[72] FERRIER, BERNARD, FR
[73] METABOLYS, FR
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[54] **IMPROVED METHOD AND DEVICE FOR DETECTION OF BIOAVAILABLE DRUG CONCENTRATION**
[54] **PROCEDE ET DISPOSITIF AMELIORES POUR LA DETECTION DE LA CONCENTRATION D'UN MEDICAMENT BIO-DISPONIBLE**
[72] CHAUM, EDWARD, US
[72] LINDNER, ERNO, US
[72] GUO, JIDONG, CN
[73] THE UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[73] THE UNIVERSITY OF MEMPHIS RESEARCH FOUNDATION, US
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[54] **SYSTEMS AND METHODS FOR PROVIDING A COMBINED PRODUCT FOR DISPENSING FROM A PRODUCT DISPENSER**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE D'UN PRODUIT COMBINE POUR DISTRIBUTION A PARTIR D'UN DISTRIBUTEUR DE PRODUIT**
[72] GREEN, C. BRAD, US
[72] MOORE, WILLIAM J., US
[72] SLAGLEY, DAVID O., US
[72] NEWMAN, DAVID R., US
[72] CARPENTER, GREGG, US
[72] FARRELL, GENE, US
[72] JONES, CYNTHIA D., US
[72] CUPPARI, SCOTT, US
[73] THE COCA-COLA COMPANY, US
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[54] **IMPROVEMENTS IN COMPOSITE MATERIALS**
[54] **AMELIORATIONS DANS DES MATERIAUX COMPOSITES**
[72] SIMMONS, MARTIN, GB
[72] BLAIR, DANA, GB
[72] TILBROOK, DAVID, GB
[73] HEXCEL COMPOSITES LIMITED, GB
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[54] **CHA TYPE ZEOLITIC MATERIALS AND METHODS FOR THEIR PREPARATION USING CYCLOALKYLAMMONIUM COMPOUNDS**
[54] **MATERIAUX ZEOLITHIQUES DE TYPE CHA ET LEURS PROCEDES DE PREPARATION A L'AIDE DE COMPOSES DE CYCLOALKYLAMMONIUM**
[72] FEYEN, MATHIAS, DE
[72] MULLER, ULRICH, DE
[72] RUETZ, ROGER, DE
[72] BEIN, THOMAS, DE
[72] MOLLER, KARIN, DE
[73] BASF SE, DE
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[54] **VISCOSITY IMPROVER GRAFTED WITH UNSATURATED ACYLATING AGENT AND AN ARYLOXYALYLKENE MONOAMINE**
[54] **AGENT AMELIORANT LA VISCOSITE GREFFE PAR UN AGENT D'ACYLATION INSATURE ET UNE ARYLOXYALKYLENE MONOAMINE**
[72] MCDOUGALL, PATRICK J., US
[72] PATEL, PRITESH A., US
[73] CHEVRON ORONITE COMPANY LLC, US
[85] 2014-12-05
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[54] **MUTATIONAL ANALYSIS OF PLASMA DNA FOR CANCER DETECTION**
[54] **ANALYSE MUTATIONNELLE DE L'ADN DU PLASMA POUR LA DETECTION DU CANCER**
[72] CHIU, WAI KWUN ROSSA, CN
[72] LO, YUK-MING DENNIS, CN
[72] CHAN, KWAN CHEE, CN
[72] JIANG, PEIYONG, CN
[73] THE CHINESE UNIVERSITY OF HONG KONG, CN
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[54] **TOOL MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION D'OUTILS**
[72] HALFORD, BEN, GB
[73] SURFACE GENERATION LIMITED, GB
[85] 2014-12-11
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[54] **APPAREIL D'ACHEMINEMENT DE SIGNAL DE COMMANDE**
[72] LISBONA, RANDALL LEE, US
[73] LENNOX INDUSTRIES INC., US
[86] (2876601)
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[54] **RAIL TRANSPORT SYSTEM WITH CONVOYS AUTOMATIC COMPOSITION**
[54] **SYSTEME DE TRANSPORT FERROVIAIRE A COMPOSITION AUTOMATIQUE DE RAMES**
[72] LUCISANO, ANTONIO, IT
[73] CO.EL.DA. SOFTWARE SRL, IT
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[54] **METHOD FOR REDUCING STICK-SLIP DURING WELLBORE DRILLING**
[54] **PROCEDE DE REDUCTION DU BROUTEMENT EN COURS DE FORAGE DE PUITS**
[72] NORMORE, ANDREW DEREK, US
[72] MAIDLA, ERIC E., US
[73] SCHLUMBERGER CANADA LIMITED, CA
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[25] EN
[54] **A METHOD AND A SYSTEM OF RECOVERING AND PROCESSING A HYDROCARBON MIXTURE FROM A SUBTERRANEAN FORMATION**
[54] **PROCEDE ET SYSTEME DE RECUPERATION D'UN MELANGE D'HYDROCARBURES A PARTIR D'UNE FORMATION SOUTERRAINE ET DE TRAITEMENT DE CELUI-CI**
[72] GRANDE, KNUT VEBJORN, NO
[72] HOFSTAD, KARINA HEITNES, NO
[72] VINDSPOLL, HARALD, NO
[72] HAUGAN, MARIANNE, NO
[73] STATOIL CANADA LIMITED, CA
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[54] **CORRECTION D'ARTEFACT D'ATR DE DIAMANT**
[72] HOULT, ROBERT ALAN, GB
[73] PERKINELMER SINGAPORE PTE LTD, SG
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[54] **ADDITIVE FOR HYDRAULICALLY SETTING COMPOSITIONS**
[54] **ADDITIF POUR MATIERES A PRISE HYDRAULIQUE**
[72] GADT, TORBEN, DE
[72] GRASSL, HARALD, DE
[72] KRAUS, ALEXANDER, DE
[73] CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DE
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[54] **SAFENED HERBICIDAL COMPOSITIONS FOR USE IN RICE**
[54] **COMPOSITIONS HERBICIDES PHYTOPROTECTRICES DESTINEES A ETRE UTILISEES DANS LE RIZ**
[72] YERKES, CARLA N., US
[72] MANN, RICHARD K., US
[73] DOW AGROSCIENCES LLC, US
[85] 2015-01-19
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[54] **CANNABINOID RECEPTOR ANTAGONISTS/INVERSE AGONISTS**
[54] **ANTAGONISTES/AGONISTES INVERSES DES RECEPTEURS DES CANNABINOIDES**
[72] MCELROY, JOHN, US
[72] CHORVAT, ROBERT, US
[73] JENRIN DISCOVERY, INC., US
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[54] **CYSTATHIONINE-.GAMMA.-LYASE (CSE) INHIBITORS**
[54] **INHIBITEURS DE LA CYSTATHIONINE-.GAMMA.-LYASE (CSE)**
[72] DURON, SERGIO G., US
[72] CHAPMAN, JUSTIN, US
[72] SYDSERFF, SIMON G., US
[72] RAO, SRINIVAS G., US
[72] STEIN, GREGORY, US
[73] SOVA PHARMACEUTICALS, INC., US
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[54] **HERBICIDAL COMPOSITIONS COMPRISING 4-AMINO-3-CHLORO-5-FLUORO-6-(4-CHLORO-2-FLUORO-3-METHOXYPHENYL)PYRIDINE-2-CARBOXYLIC ACID OR A DERIVATIVE THEREOF AND CERTAIN PS II INHIBITORS**
[54] **COMPOSITIONS HERBICIDES COMPRENANT DE L'ACIDE 4-AMINO-3-CHLORO-5-FLUORO-6-(4-CHLORO-2-FLUORO-3-METHOXYPHENYL)PYRIDINE-2-CARBOXYLIQUE OU UN DERIVE DE CELUI-CI ET CERTAINS INHIBITEURS DE PS II**
[72] YERKES, CLARA N., US
[72] MANN, RICHARD K., US
[72] SCHMITZER, PAUL R., US
[72] SATCHIVI, NORBERT M., US
[73] DOW AGROSCIENCES LLC, US
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[54] **BLOOD PUMP SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE POMPE A SANG**
[72] FRANANO, F. NICHOLAS, US
[72] LOREE II, HOWARD M., US
[72] TANSLEY, GEOFF, AU
[72] WOODARD, STEVE, US
[72] HUTTO, BARRETT, US
[73] ARTIO MEDICAL, INC., US
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[54] **COMPOUNDS FOR THE TREATMENT OF MTOR PATHWAY RELATED DISEASES**
[54] **COMPOSES POUR LE TRAITEMENT DE MALADIES ASSOCIEES A LA VOIE MTOR**
[72] POURGHOLAMI, MOHAMMAD HOSSEIN, AU
[72] MORRIS, DAVID L., AU
[72] ASTON, ROGER, AU
[73] PITNEY PHARMACEUTICALS PTY LIMITED, AU
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[54] **CONFIGURATION OF A BUILDING AUTOMATION SYSTEM CONTROLLER**
[54] **CONFIGURATION D'UN DISPOSITIF DE COMMANDE DE SYSTEME D'AUTOMATISATION DE BATIMENT**
[72] CASILLI, CHRIS, US
[72] HINGOS, DAVID A., US
[72] OTTO, MARTIN, US
[72] NEGRON, SAMUEL, US
[72] VAIDHYANATHAN, MITHUN, US
[73] SIEMENS INDUSTRY, INC., US
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[30] US (13/890,867) 2013-05-09

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[54] **VEHICLE SPEED CONTROL**
[54] **CONTROLE DE VITESSE DE VEHICULE**
[72] RINDFLEISCH, DAVID F., US
[72] CORBETT, DOUGLAS T., US
[72] STANDER, FRANCOIS, US
[72] SHULER, JEREMY B., US
[73] DEERE & COMPANY, US
[86] (2883421)
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[25] EN
[54] **METHOD FOR PRODUCING PROCESSED AQUATIC FOOD AND ENZYME PREPARATION FOR MODIFYING PROPERTY OF PROCESSED AQUATIC FOOD**
[54] **PROCEDE POUR PRODUIRE UN PRODUIT DE LA MER TRANSFORME ET PREPARATION ENZYMATIQUE POUR MODIFIER LE PRODUIT DE LA MER TRANSFORME**
[72] SATO, HIROAKI, JP
[72] NAKAGOSHI, HIROYUKI, JP
[72] KAWAUCHI, MASATO, JP
[73] AJINOMOTO CO., INC., JP
[85] 2015-03-03
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[30] JP (2012-200048) 2012-09-12

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[25] EN
[54] **TISSUE REMOVAL DEVICES, SYSTEMS AND METHODS**
[54] **DISPOSITIFS, SYSTEMES ET METHODES DE PRELEVEMENT TISSULAIRE**
[72] ROSS, RODNEY L., US
[72] DENNEWILL, JAMES, US
[72] HUGHES, GREGG, US
[72] NAZARIFAR, NADER, US
[73] MED-LOGICS, INC., US
[85] 2015-03-04
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[30] US (PCT/US12/53641) 2012-09-04

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[25] EN
[54] **COMPOSITE SHEET MATERIAL AND METHOD FOR FORMING THE SAME**
[54] **MATERIAU COMPOSITE EN FEUILLES ET SON PROCEDE DE FORMAGE**
[72] WEINBERG, MARTIN, US
[72] YUAN, JAMES, US
[72] MARKOWSKI, ROBERT, US
[73] XAMAX INDUSTRIES, INC., US
[85] 2015-03-04
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[51] **Int.Cl. A61M 3/02 (2006.01) A61F 9/007 (2006.01) G01L 1/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR EXTERNAL PRESSURE SENSING**
[54] **SYSTEMES ET PROCEDES PERMETTANT UNE DETECTION DE PRESSION EXTERNE**
[72] MADDEN, SEAN, US
[72] SORENSEN, GARY P., US
[72] GORDON, RAPHAEL, US
[72] LAYSER, GREGORY S., US
[72] WILSON, DANIEL J., US
[72] BAXTER, VINCENT A., US
[73] ALCON INC., US
[85] 2015-03-04
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[25] EN
[54] **METHOD FOR MANUFACTURING STEEL CASTS**
[54] **PROCEDE POUR FABRIQUER DES PIECES COULEES EN ACIER**
[72] ANDREUSSI, ALBERTO, IT
[72] ANDREUSSI, PRIMO, IT
[72] PONTELLI, EDDY, IT
[72] VENEROSO, ENRICO, IT
[73] F. A. R. - FONDERIE ACCIAIERIE ROIALE - SPA, IT
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[86] 2013-09-04 (PCT/IB2013/001904)
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[25] EN
[54] **SELF TRACKING SYSTEM AND ITS OPERATION METHOD**
[54] **SYSTEME DE SUIVI AUTOMATIQUE ET SON PROCEDE D'EXPLOITATION**
[72] INACIO DE MATOS, LUIS CARLOS, PT
[72] GUERRA DE ARAUJO, PEDRO JOSE, PT
[72] FERRO MARTINS, DAVID JOSE, PT
[72] CRUZ PONCIANO, RICARDO SAMUEL, PT
[72] DOS SANTOS NASCIMENTO, PEDRO MANUEL, PT
[72] GONCALVES ADAIXO, MICHAEL CARLOS, PT
[72] NEVES GOULAO, VITOR EMANUEL, PT
[72] CORREIA FIGUEIRA, ANA RAQUEL, PT
[72] FRAGOSO MENDES GARDETE CORREIA, LUIS RODRIGO, PT
[73] FOLLOW INSPIRATION UNIPESSOAL, LDA., PT
[85] 2015-03-19
[86] 2013-09-19 (PCT/IB2013/058672)
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[54] **SYNTHETIC MICROPARTICLES**
[54] **MICROPARTICULES SYNTHETIQUES**
[72] PHAM, THINH, US
[72] NATARAJAN, NANDAKUMAR, US
[73] JAMES HARDIE TECHNOLOGY LIMITED, IE
[85] 2015-03-19
[86] 2013-10-31 (PCT/US2013/067861)
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[25] EN
[54] **RETENTION COMPONENT FOR PLACEMENT OF ENTERAL FEEDING TUBES**
[54] **ELEMENT DE RETENTION POUR LE PLACEMENT DE SONDES D'ALIMENTATION ENTERALES**
[72] TAI, KOK-MING, US
[72] BAGWELL, ALISON S., US
[72] MCMICHAEL, DONALD J., US
[72] BECKER, NEIL M., US
[72] TARCAU, BENONE, US
[73] AVENT, INC., US
[85] 2015-03-23
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[54] **SAFETY EQUIPMENT OF A LIFT INSTALLATION**
[54] **DISPOSITIF DE SECURITE D'UNE INSTALLATION D'ASCENSEUR**
[72] ANNEN, MIRCO, CH
[72] MICHEL, DAVID, CH
[73] INVENTIO AG, CH
[85] 2015-03-30
[86] 2013-10-18 (PCT/EP2013/071865)
[87] (WO2014/060587)
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[51] **Int.Cl. A01K 1/12 (2006.01)**
[25] EN
[54] **A ROLLER OF A SUPPORT ARRANGEMENT FOR A ROTARY MILKING PLATFORM**
[54] **ROULEAU D'AMENAGEMENT DE SUPPORT DESTINE A UNE PLATE-FORME DE TRAITE ROTATIVE**
[72] STROM, MIKAEL, SE
[73] DELAVAL HOLDING AB, SE
[85] 2015-04-08
[86] 2013-11-06 (PCT/SE2013/051298)
[87] (WO2014/074058)
[30] SE (1251262-0) 2012-11-07
[30] US (61/723,374) 2012-11-07

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[25] EN
[54] **METHOD AND APPARATUS FOR BEVERAGE EXTRACTION NEEDLE GUIDING**
[54] **PROCEDE ET APPAREIL DE GUIDAGE D'AIGUILLE D'EXTRACTION DE BOISSON**
[72] LAZARIS, NICHOLAS G., US
[72] DERUNTZ, OTTO, US
[72] RIDER, MIKE, US
[73] CORAVIN, INC., US
[85] 2015-04-08
[86] 2013-10-08 (PCT/US2013/063819)
[87] (WO2014/058841)
[30] US (61/711,485) 2012-10-09
[30] US (13/793,357) 2013-03-11

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[51] **Int.Cl. H01H 3/36 (2006.01) H01H 9/22 (2006.01) H01H 33/48 (2006.01)**
[25] EN
[54] **VARIABLE DEPTH CIRCUIT INTERRUPTER ASSEMBLY WITH INTERLOCK**
[54] **ENSEMBLE COUPE-CIRCUIT A PROFONDEUR VARIABLE AVEC UN SYSTEME DE VERROUILLAGE**
[72] FISCHER, KENNETH M., US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2015-04-27
[86] 2013-10-28 (PCT/US2013/067035)
[87] (WO2014/109815)
[30] US (13/736,188) 2013-01-08

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[51] **Int.Cl. A61B 5/055 (2006.01) A61B 5/00 (2006.01) G01R 33/34 (2006.01) G01R 33/3415 (2006.01)**
[25] EN
[54] **COIL ARRANGEMENT FOR A MAGNETIC RESONANCE TOMOGRAPHY DEVICE**
[54] **ENSEMBLE DE BOBINES POUR UN APPAREIL TOMOGRAPHIQUE A RESONANCE MAGNETIQUE**
[72] NORAS, HUBERT, DE
[73] NORAS, HUBERT, DE
[85] 2015-05-13
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[51] **Int.Cl. A61C 8/00 (2006.01)**
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[54] **TREATMENT ELEMENT FOR USE WITH A DENTAL-IMPLANT PART AND TREATMENT SYSTEM**
[54] **ELEMENT DE TRAITEMENT POUR UTILISATION AVEC UN COMPOSANT D'IMPLANT DENTAIRE, SYSTEME DE TRAITEMENT ET PROCEDE DE NETTOYAGE D'UN COMPOSANT D'IMPLANT DENTAIRE**
[72] ZIPPRICH, HOLGER, DE
[73] ZYFOMA GMBH, DE
[85] 2015-05-13
[86] 2013-10-18 (PCT/EP2013/003150)
[87] (WO2014/075755)
[30] DE (10 2012 022 227.0) 2012-11-14
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[30] DE (10 2013 201 883.5) 2013-02-05

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[51] **Int.Cl. E21B 17/042 (2006.01) E21B 44/00 (2006.01) E21B 47/01 (2012.01) E21B 47/024 (2006.01)**
[25] EN
[54] **APPARATUS FOR ANGULAR ALIGNMENT OF DOWNHOLE SENSORS WITH HIGH SIDE IN DIRECTIONAL DRILLING**
[54] **APPAREIL POUR L'ALIGNEMENT ANGULAIRE DE CAPTEURS DE FOND DE TROU AVEC EXTREMITE SUPERIEURE EN FORAGE DIRECTIONNEL**
[72] LOGAN, AARON W., CA
[72] DERKACZ, PATRICK R., CA
[72] LOGAN, JUSTIN C., CA
[72] SWITZER, DAVID A., CA
[73] EVOLUTION ENGINEERING INC., CA
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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NEW ANTIBODY FRAGMENTS, COMPOSITIONS AND USES THEREOF**
[54] **NOUVEAUX FRAGMENTS D'ANTICORPS, NOUVELLES COMPOSITIONS ET LEURS UTILISATIONS**
[72] VIGNA, ELISA, IT
[72] MICHIELI, PAOLO, IT
[72] COMOGLIO, PAOLO MARIA, IT
[73] METIS PRECISION MEDICINE SB S.R.L., IT
[85] 2015-06-30
[86] 2014-01-07 (PCT/IB2014/058098)
[87] (WO2014/108829)
[30] IT (TO2013A000012) 2013-01-09

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[51] **Int.Cl. C25C 7/02 (2006.01)**
[25] EN
[54] **SEGMENTED CAPPING BOARD AND CONTACT BAR ASSEMBLY AND METHODS IN HYDROMETALLURGICAL REFINING**
[54] **ENSEMBLE DE BARRE DE CONTACT ET DE PANNEAU DE RECOUVREMENT SEGMENTE ET PROCEDES S'Y RAPPORTANT EN RAFFINAGE HYDROMETALLURGIQUE**
[72] DUFRESNE, ROBERT P., CA
[73] PULTRUSION TECHNIQUE INC., CA
[85] 2015-07-03
[86] 2014-01-10 (PCT/CA2014/050015)
[87] (WO2014/107810)
[30] US (61/751,501) 2013-01-11

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[51] **Int.Cl. E04C 5/01 (2006.01) E04C 5/03 (2006.01) B28B 23/02 (2006.01)**
[25] EN
[54] **THREE-DIMENSIONALLY DEFORMED FIBER FOR CONCRETE REINFORCEMENT**
[54] **FIBRE A DEFORMATION TRIDIMENSIONNELLE POUR ARMATURE DU BETON**
[72] BANTHIA, NEMKUMAR, CA
[73] OPTIMET CONCRETE PRODUCTS INC., CA
[85] 2015-07-21
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[51] **Int.Cl. H02G 5/10 (2006.01) C25C 3/16 (2006.01) H02M 7/00 (2006.01)**
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[54] **CONNECTION BAR ARCHITECTURE FOR HIGH-POWER CONVERTER**
[54] **ARCHITECTURE DE BARRE DE CONNEXION POUR CONVERTISSEUR DE FORTE PUISSANCE**
[72] BELLANCOURT, RAPHAEL, FR
[72] JOSSE, PHILIPPE, FR
[72] DEVAUTOUR, JOEL, FR
[73] GENERAL ELECTRIC TECHNOLOGY GMBH, CH
[85] 2015-08-20
[86] 2014-02-25 (PCT/EP2014/053574)
[87] (WO2014/131740)
[30] FR (13 51817) 2013-02-28

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[51] **Int.Cl. G05F 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR BYPASSING A VOLTAGE REGULATOR**
[54] **SYSTEMES ET PROCEDES POUR CONTOURNER UN REGULATEUR DE TENSION**
[72] KALUZNY, RICHARD JOHN, US
[72] DALEY, DANIEL JOSEPH, US
[73] EATON INTELLIGENT POWER LIMITED, IE
[85] 2015-08-27
[86] 2014-03-13 (PCT/US2014/025628)
[87] (WO2014/160014)
[30] US (13/829,587) 2013-03-14

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[13] C
[51] **Int.Cl. F22B 1/18 (2006.01) F01K 23/10 (2006.01) F02C 6/18 (2006.01)**
[25] EN
[54] **GAS-TO-LIQUID HEAT EXCHANGE SYSTEM WITH MULTIPLE LIQUID FLOW PATTERNS**
[54] **SYSTEME D'ECHANGE DE CHALEUR GAZ-LIQUIDE POSSEDANT PLUSIEURS MODELES D'ECOULEMENT DU LIQUIDE**
[72] RECHTMAN, YURI, US
[73] NOOTER/ERIKSEN, INC., US
[85] 2015-09-14
[86] 2013-12-10 (PCT/US2013/074140)
[87] (WO2014/143251)
[30] US (13/798,462) 2013-03-13

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[13] C
[51] **Int.Cl. B60D 1/04 (2006.01)**
[25] EN
[54] **TOW ADAPTER**
[54] **ADAPTATEUR DE REMORQUAGE**
[72] HOOD, MICHAEL, US
[72] GRUSCHOW, ROBERT, US
[72] HOLMES, WES, US
[73] AMANDA BENT-BOLT COMPANY, US
[85] 2015-09-22
[86] 2014-03-14 (PCT/US2014/027068)
[87] (WO2014/152204)
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[54] **ESPRESSO MILK FROTHER**
[54] **MOUSSEUR A LAIT EXPRESSO**
[72] PURTON, WILLIAM WESTMORE, AU
[73] PURTON, WILLIAM WESTMORE, AU
[85] 2015-10-02
[86] 2014-04-10 (PCT/AU2014/000384)
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[51] **Int.Cl. B26D 7/18 (2006.01)**
[25] EN
[54] **A CUTTING APPARATUS FOR CUTTING FOOD OBJECTS**
[54] **APPAREIL DE COUPE POUR DECOUPER DES OBJETS ALIMENTAIRES**
[72] MIKKELSEN, PETER, DK
[72] NIELSEN, TOMAS FINNE, DK
[73] MAREL A/S, DK
[85] 2015-10-16
[86] 2014-04-16 (PCT/DK2014/050103)
[87] (WO2014/169925)
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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **HYBRID BRASSICA PLANTS AND METHODS FOR PRODUCING SAME**
[54] **PLANTES HYBRIDES BRASSICA ET LEURS PROCEDES DE PRODUCTION**
[72] ROUAN, DOMINIQUE, BE
[72] DE BOTH, GRETA, BE
[73] BASF AGRICULTURAL SOLUTIONS SEED US LLC, US
[85] 2015-10-16
[86] 2014-04-16 (PCT/EP2014/057770)
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[30] EP (13164421.3) 2013-04-19

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[51] **Int.Cl. A61K 9/14 (2006.01) B82Y 5/00 (2011.01) A61K 38/42 (2006.01) A61K 47/30 (2006.01) A61P 7/08 (2006.01)**
[25] EN
[54] **BLOOD SUBSTITUTE COMPOSITION AND METHOD OF USE**
[54] **COMPOSITION DE SUCCEDANE DE SANG ET PROCEDE D'UTILISATION**
[72] LANZA, GREGORY M., US
[72] PAN, DIPANJAN, US
[72] DOCTOR, ALLAN, US
[72] SPINELLA, PHILIP C., US
[73] WASHINGTON UNIVERSITY, US
[85] 2015-10-26
[86] 2014-05-05 (PCT/US2014/036762)
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[30] US (61/819,426) 2013-05-03

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[13] C
[51] **Int.Cl. A61G 9/00 (2006.01) A61F 5/44 (2006.01) B65D 33/00 (2006.01)**
[25] EN
[54] **FLEXIBLE BAG WITH OPENING SLEEVE WITH SPOUT**
[54] **POCHE SOUPLE A MANCHON D'OUVERTURE A BEC**
[72] CAILLETEAU, BENOIT, FR
[73] SWISS SAFE COLLECT SA, CH
[85] 2015-11-06
[86] 2014-05-13 (PCT/EP2014/059724)
[87] (WO2014/184174)
[30] FR (1354249) 2013-05-13

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[51] **Int.Cl. E21B 47/01 (2012.01) E21B 47/017 (2012.01)**
[25] EN
[54] **DOWNHOLE POCKET ELECTRONICS**
[54] **SYSTEME ELECTRONIQUE POUR POCHE DE FOND DE TROU**
[72] LOGAN, AARON W., CA
[72] SWITZER, DAVID A., CA
[73] EVOLUTION ENGINEERING INC., CA
[85] 2015-11-26
[86] 2014-05-30 (PCT/CA2014/050505)
[87] (WO2014/190439)
[30] US (61/829,966) 2013-05-31

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[51] **Int.Cl. F02C 7/052 (2006.01) B01D 46/12 (2006.01)**
[25] EN
[54] **FILTRATION SYSTEM AND METHOD FOR CLEANING THE INTAKE AIR OF A GAS TURBINE**
[54] **SYSTEME DE FILTRATION ET PROCEDE DE NETTOYAGE DE L'AIR D'ADMISSION D'UNE TURBINE A GAZ**
[72] HERRMANN, TORSTEN, DE
[73] HERRMANN, TORSTEN, DE
[85] 2015-12-03
[86] 2014-05-27 (PCT/IB2014/001247)
[87] (WO2014/195796)
[30] DE (10 2013 105 723.3) 2013-06-04

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[51] **Int.Cl. H01L 23/49 (2006.01) H01L 23/367 (2006.01) H01L 23/38 (2006.01) H01L 23/467 (2006.01) H01L 23/473 (2006.01) H01L 23/66 (2006.01) H01L 25/065 (2006.01) H01L 25/10 (2006.01) H01Q 23/00 (2006.01)**
[25] EN
[54] **AN INTERCONNECT SYSTEM COMPRISING AN INTERCONNECT HAVING A PLURALITY OF METAL CORES AT LEAST PARTIALLY SURROUNDED BY A DIELECTRIC LAYER**
[54] **SYSTEME D'INTERCONNEXION COMPORTANT UN CONDUCTEUR A RUBAN PRESENTANT UNE PLURALITE D'AMES METALLIQUES AU MOINS PARTIELLEMENT ENTOUREES PAR UNE COUCHE DIELECTRIQUE**
[72] CAHILL, SEAN, S., US
[72] SANJUAN, ERIC, A., US
[73] ROSENBERGER HOCHFREQUENZTECHNIK GMBH & CO. KG, DE
[85] 2015-12-14
[86] 2014-07-02 (PCT/EP2014/001823)
[87] (WO2015/000594)
[30] US (61/842,948) 2013-07-03
[30] US (61/842,949) 2013-07-03
[30] US (61/842,954) 2013-07-03

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[13] C
[51] **Int.Cl. H02J 7/00 (2006.01) H01M 10/44 (2006.01) H01M 10/48 (2006.01)**
[25] EN
[54] **POWER STORAGE APPARATUS AND CONTROL METHOD FOR A POWER STORAGE APPARATUS**
[54] **APPAREIL DE STOCKAGE D'ENERGIE ET METHODE DE CONTROLE D'UN APPAREIL DE STOCKAGE D'ENERGIE**
[72] NAKAMURA, KAZUO, JP
[72] OZAWA, ATSUSHI, JP
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[54] **CABLE GAINE DE METAL DOTE D'UN SOUS-GROUPE CONDUCTEUR CABLE, CHEMISE**
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[72] PICARD, PAUL R., US
[72] RICCI, RICHARD A., US
[72] LAFRENIERE, PETER, US
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[72] WANG, XIAOBO, US
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[73] ACEA BIOSCIENCES INC., US
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[54] **TRAITEMENT CHIMIQUE POUR L'ENCRASSEMENT ORGANIQUE DES CHAUDIERES**
[72] KOLADE, BABAJIDE, US
[73] CONOCOPHILLIPS COMPANY, US
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[54] **APPAREIL DE TRAITEMENT D'INFORMATIONS, PROCEDE DE COMMANDE, PROGRAMME ET SUPPORT D'ENREGISTREMENT**
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[73] SQUARE ENIX HOLDINGS CO., LTD., JP
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[54] **PROCEDE ET INSTALLATION D'INCINERATION, FUSION ET VITRIFICATION DE DECHETS ORGANIQUES ET METALLIQUES**
[72] BOEN, ROGER, FR
[72] CHARVIN, PATRICE, FR
[72] LEMONT, FLORENT, FR
[72] RUSSELLO, ALDO, FR
[73] AREVA NC, FR
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[54] **COPOLYMERE CATIONIQUE ET SON UTILISATION COMME ADDITIF DE PERTE DE CIRCULATION**
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[72] ZHAO, MENGYUN, CN
[72] SU, JIANZHENG, CN
[72] ZHANG, RUSHENG, CN
[72] LONG, QIULIAN, CN
[72] ZHANG, SUOBING, CN
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[72] BENSON, HAROLD KEITH, US
[73] STARMARK PET PRODUCTS, INC., US
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[54] **ACIDES NUCLEIQUES CODANT DES ANTICORPS HUMAINS CONTRE SIALYL-LEWISA**
[72] SAWADA, RITSUKO, US
[72] SUN, SHU-MAN, US
[72] SCHOLZ, WOLFGANG, US
[73] BIONTECH RESEARCH AND DEVELOPMENT, INC., US
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[54] **METHODE DE DOSAGE D'UNE PROTEASE**
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[72] GROSS, PETER, CA
[73] MCMASTER UNIVERSITY, CA
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[54] **COMPOSITIONS DE BLANCHIMENT INTERCALEES, PROCEDES DE FABRICATION ASSOCIES ET UTILISATION**
[72] RUMBERGER, EVAN, US
[72] MACNAUGHTAN, MARISA, US
[72] SMITH, WILLIAM L., US
[72] KORNAUS, KELSEY, US
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[72] BREWER, JACK G., US
[72] SHROYER, STEVEN L., US
[72] FRUIT, DARREL B., US
[72] WHITE, CHRISTOPHER JOE, US
[72] LEOPOLD, JERRY DOUGLAS, US
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[72] KUNTZ, KEVIN W., US
[72] CHOI, HYEONG-WOOK, US
[72] MATHIEU, STEVEN, US
[72] SANDERS, KRISTEN, US
[72] CHANDA, ARANI, US
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[72] DAME, STEPHEN GREGORY, US
[72] IBRAHIM YAKENTIM M., US
[72] KEEGAN, JOSEPH M., US
[73] THE BOEING COMPANY, US
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[54] **PROCEDES DE FABRICATION D'ARTICLES A FORMATION DE SILICE AYANT DES SURFACES TECHNIQUEMENT ETUDIEES POUR RENFORCER LA RESISTANCE AU GLISSEMENT FLUAGE SOUS DES CHARGES A HAUTE TEMPERATURE**
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[72] JOHNSON, CURTIS ALAN, US
[72] MARGOLIES, JOSHUA LEE, US
[72] ROSENZWEIG, LARRY STEVEN, US
[72] WAN, JULIN, US
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[54] **OPERATION DE FENETRE COULISSANTE MULTIDIMENSIONNELLE POUR UN PROCESSEUR DE VECTEUR**
[72] SADEH, RONI M., IL
[72] DVORETZKI, NOAM, IL
[73] CEVA D.S.P. LTD., IL
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[72] FREDRIKSEN, MORTEN, NO
[72] PAVLOV, ALEXEY, NO
[72] FJALESTAD, KJETIL, NO
[72] KRISHNAMOORTHY, DINESH, NO
[72] TONDEL, PETTER, NO
[72] TURKYILMAZ, YILMAZ, NO
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[54] **PRETRAITEMENT D'UNE BIOMASSE POUR LA CO-PRODUCTION DE GLUCIDES C5 ET C6 ET DE LEUR DERIVES A HAUTE CONCENTRATION**
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[72] ALONSO, DAVID MARTIN, US
[72] LUTERBACHER, JEREMY SCOTT, US
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US
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[72] DOBSON, CHRIS, CA
[72] SCHMIDT, JAMES, CA
[73] TRUDELL MEDICAL INTERNATIONAL, CA
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[72] CHERNILEVSKYY, IHOR KOSTIANTYNOVYCH, UA
[72] TOKAREV, VIKTOR SERHIYOVYCH, UA
[72] TOKAREV, STANISLAV VIKTOROVYCH, UA
[72] SELEZNIOV, OLEKSANDR MIKHAILOVICH, UA
[72] MENSHENIN, PAVLO GERMANOVICH, UA
[72] ILCHUK, HRYHORIY ARHYPOVYCH, UA
[72] PETRUS, ROMAN YURIYOVYCH, UA
[72] RUDAK, VIKTOR OLEKSANDROVICH, UA
[72] LOBOYKO, SERHIY VASYLIOVYCH, UA
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[72] SALSICH, ANTHONY VAN BERGEN, US
[72] PROCHNOW, GREGG DONALD, US
[72] OVERESCH, JEREMY DANIEL, US
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[54] **PROCEDE D'INHIBITION IN SITU DE CELLULES T REGULATRICES**
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[72] DUCHATEAU, PHILIPPE, FR
[73] CELLECTIS, FR
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[54] **PROCEDE PERMETTANT LA PRODUCTION DE CELLULES IMMUNITAIRES RESISTANTES A UN MICROENVIRONNEMENT APPAUVRI EN ARGININE ET/OU EN TRYPTOPHANE**
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[72] SIMON, MATHIEU, FR
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[72] ATHWAL, DILJEET S., GB
[72] JONES, TIMOTHY D., GB
[72] CARR, FRANCIS J., GB
[72] HOLGATE, ROBERT GEORGE EDWARD, GB
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[54] **SYSTEMES ET PROCEDES D'EXPOSITION D'UN RESULTAT D'UNE INSTRUCTION DE PROCESSEUR DE COURANT LORS DE LA SORTIE D'UNE MACHINE VIRTUELLE**
[72] LUKACS, SANDOR, RO
[72] LUTAS, ANDREI-VLAD, RO
[73] BITDEFENDER IPR MANAGEMENT LTD, CY
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[72] ROOT, MICHAEL R., US
[73] LOCATOR IP, LP, US
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[54] **CHRONOLOGIES ADAPTATIVES PERMETTANT LA PRISE EN COMPTE DE RETARDS D'EVENEMENTS SE PRODUISANT DE MANIERE ALEATOIRE**
[72] STANFILL, CRAIG W., US
[73] AB INITIO TECHNOLOGY LLC, US
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[54] **ISOMERE OPTIQUE DE DERIVE DE 1,4-BENZOTHIAZEPINE-1-OXYDE, ET COMPOSITION PHARMACEUTIQUE PREPAREE A L'AIDE DE CELUI-CI**
[72] KANEKO, NOBORU, JP
[73] AETAS PHARMA CO., LTD., JP
[73] KANEKO, NOBORU, JP
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[54] **SYSTEM FOR DISPLAY OF NON-DESTRUCTIVE TESTING REGION**
[54] **SYSTEME D'AFFICHAGE DE REGION DE TEST NON-DESTRUCTRICE**
[72] CHARLEBOIS, ALEXANDRE, CA
[72] ENENKEL, LAURENT, CA
[72] GARNEAU, MARTIN, CA
[72] MORROW, FREDERIC, CA
[72] TURGEON, STEPHANE, CA
[73] ZETEC, INC., US
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[54] **SEWAGE TREATMENT SYSTEM**
[54] **SYSTEME DE TRAITEMENT DES EAUX USEES**
[72] JOWETT, EDWIN CRAIG, CA
[73] WATERLOO BIOFILTER SYSTEMS INC., CA
[86] (2964121)
[87] (2964121)
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[54] **ENERGY INDUSTRY OPERATION CHARACTERIZATION AND/OR OPTIMIZATION**
[54] **CARACTERISATION ET/OU OPTIMISATION D'OPERATIONS DE L'INDUSTRIE DE L'ENERGIE**
[72] AITKEN, WILLIAM A.H., US
[73] BAKER HUGHES INCORPORATED, US
[85] 2017-06-01
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[54] **FRAME FOR A MOVABLE FURNITURE PART**
[54] **CADRE DE PIECE DE MOBILIER DEPLACABLE**
[72] MASON, DALE WILLIAM, US
[72] BOWMAN, CHRISTOPHER BLANE, US
[72] PEER, MANFRED, US
[72] WHYATT, JUDD, US
[73] GRASS AMERICA, INC., US
[86] (2970001)
[87] (2970001)
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[54] **MICROENCAPSULATED CANNABINOID COMPOSITIONS**
[54] **COMPOSITIONS DE CANNABINOIDES MICROENCAPSULEES**
[72] KLEIDON, WILLIAM, US
[72] KIRKLAND, JUSTIN, US
[73] OJAI ENERGETICS PBC, US
[85] 2017-06-12
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[25] EN
[54] **DOWNHOLE ACOUSTIC TELEMETRY MODULE WITH MULTIPLE COMMUNICATION MODES**
[54] **MODULE DE TELEMETRIE ACOUSTIQUE DE FOND DE TROU AVEC DE MULTIPLES MODES DE COMMUNICATION**
[72] NGUYEN, QUANG HUY, US
[72] HUANG, WEI HSUAN, US
[72] HIDAYAT, ASTRID, US
[72] LAU, YONG FONG, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **HIGH PRESSURE HOT AIR HEATER**
[54] **APPAREIL DE CHAUFFAGE A AIR CHAUD HAUTE PRESSION**
[72] FORD, DARRELL, CA
[73] BOUNDARY ENERGY INC., CA
[86] (2971924)
[87] (2971924)
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[54] **SET-DELAYED CEMENT COMPOSITIONS COMPRISING PUMICE AND ASSOCIATED METHODS**
[54] **COMPOSITIONS DE CIMENT A PRISE RETARDEE COMPRENANT DE LA PIERRE PONCE ET PROCEDES ASSOCIES**
[72] PISKLAK, THOMAS, US
[72] AGAPIOU, KYRIACOS, US
[72] MORGAN, RONNIE GLEN, US
[72] LEWIS, SAMUEL JASON, US
[72] BROTHERS, LANCE E., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **CONTROL METHOD FOR A SYSTEM COMPRISING A FREQUENCY CONVERTER CONNECTED TO A POWER GRID**
[54] **PROCEDE DE COMMANDE POUR SYSTEME COMPRENANT UN CONVERTISSEUR DE FREQUENCE CONNECTE A UN RESEAU ELECTRIQUE**
[72] GIL LIZARBE, BEATRIZ, ES
[72] GIRONES REMIREZ, CARLOS, ES
[72] SANZ CEBALLOS, EDUARDO, ES
[73] INGETEAM POWER TECHNOLOGY, S.A., ES
[85] 2017-07-25
[86] 2015-02-02 (PCT/ES2015/070070)
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[54] **METHODS AND SYSTEMS FOR PROVIDING INFORMATION FOR AN ON-DEMAND SERVICE**
[54] **PROCEDE DE FOURNITURE D'INFORMATIONS ET SYSTEME DE SERVICE A LA DEMANDE**
[72] CHEN, YE, CN
[72] ZHUO, CHENGXIANG, CN
[72] WU, ZHAOXUE, CN
[72] XU, MING, CN
[72] QIN, KAIJIE, CN
[72] ZHANG, YAJIE, CN
[72] LU, HAIYANG, CN
[72] GUO, DONG, CN
[72] YU, PENG, CN
[72] LU, YANJUN, CN
[72] BAO, WENYI, CN
[73] BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD., CN
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[54] **UNDERGROUND WATER PUMPING PIPE ASSEMBLY FOR UNDERGROUND WATER MOTOR PUMP**
[54] **TUYAU DE POMPAGE DE PROTECTION DE POMPE-MOTEUR SUBMERGE POUR PUITS PROFOND**
[72] IM, HYEONJU, KR
[73] IM, HYEONJU, KR
[85] 2017-08-11
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[87] (WO2015/122659)
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[54] **HAND HELD FLUID DISPENSING APPARATUS**
[54] **APPAREIL DE DISTRIBUTION DE FLUIDE PORTATIF**
[72] PASTOR, MARCOS MORENO, MX
[72] MONTANO, RAFAEL FLORES, MX
[73] KARCHER NORTH AMERICA, INC., US
[85] 2017-08-11
[86] 2016-02-12 (PCT/US2016/017818)
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[54] **AIRCRAFT PROFILE OPTIMIZATION WITH COMMUNICATION LINKS TO AN EXTERNAL COMPUTATIONAL ASSET**
[54] **OPTIMISATION DE PROFIL D'AERONEF AU MOYEN DE LIENS DE COMMUNICATION VERS UN ACTIF INFORMATIQUE EXTERNE**
[72] WESTERVELT, ERIC RICHARD, US
[72] CUMINGS, MACKENZIE, US
[72] DARNELL, MARK LAWRENCE, US
[72] LAX, DAVID, US
[72] REN, LILING, US
[72] VISSER, NICHOLAS, US
[73] GENERAL ELECTRIC COMPANY, US
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[54] **GATE VALVE PROTECTOR SLEEVE**
[54] **MANCHON PROTECTEUR DE ROBINET-VANNE**
[72] SCOTT, GREGORY J., US
[72] SAINI, SAHIL, US
[72] SWAGERTY, BRIAN, US
[73] FMC TECHNOLOGIES, INC., US
[86] (2980589)
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[25] EN
[54] **A METHOD FOR PRODUCING OIL-BASED COMPONENTS**
[54] **PROCEDE DE PRODUCTION DE CONSTITUANTS A BASE D'HUILE**
[72] MAKKONEN, JAANA, FI
[72] KETTUNEN, MIKA P., FI
[73] NESTE CORPORATION, FI
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[54] **AGRICULTURAL SEED DRILL**
[54] **SEMOIR MONOGRAINE AGRICOLE**
[72] GEBBEKEN, MARTIN, DE
[72] BERGERFURTH, DENNIS, DE
[72] BERENDSEN, MARK, NL
[72] GERAATS, MARCEL, DE
[72] GOTZEN, CHRISTIAN, DE
[72] LUKAS, THOMAS, DE
[72] PAESSENS, CHRISTIAN, DE
[72] WERRIES, DIETER, DE
[72] VAN KANN, ANDREAS, DE
[72] DUPMANN, JORG, DE
[73] LEMKEN GMBH & CO KG, DE
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[54] **FOAMED, OPACIFYING ELEMENTS AND METHODS OF MAKING**
[54] **ELEMENTS OPACIFIANTS EN MOUSSE ET PROCEDES DE FABRICATION ASSOCIES**
[72] BRICK, MARY CHRISTINE, US
[72] NAIR, MRIDULA, US
[72] LINDNER, KIMBERLY S., US
[72] PYSZCZEK, ELLEN M., US
[72] MCHUGH, TOMAS GERARD PATRICK, US
[72] BESSEY, PETER G., US
[73] EASTMAN KODAK COMPANY, US
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[54] **METALLIC TONER COMPRISING METAL INTEGRATED PARTICLES**
[54] **ENCRE SECHE COMPORTANT DES PARTICULES METALLIQUES INTEGREES**
[72] JAN, LINDA, US
[73] XEROX CORPORATION, US
[86] (2986539)
[87] (2986539)
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[54] **TILTROTOR AIRCRAFT ROTATING PROPROTOR ASSEMBLY**
[54] **ASSEMBLAGE DE ROTOR ORIENTABLE FAISANT TOURNER UN AERONEF A ROTOR BASCULANT**
[72] ROSS, BRENT C., US
[72] RINEHART, MICHAEL E., US
[72] WILLIAMS, JEFFREY M., US
[72] SMITH, CLEGG, US
[72] PRAVANH, NICK, US
[73] BELL HELICOPTER TEXTRON INC., US
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[54] **SYSTEME D'HYGIENE PERSONNELLE**
[72] FARANDA, LEO, DE
[72] VETTER, INGO, DE
[72] SCHIEBAHN, MATTHIAS, DE
[73] BRAUN GMBH, DE
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[54] **IDENTIFICATION AUTOMATIQUE DE PHASE ELECTRIQUE DE DISPOSITIFS DE RESEAU**
[72] AIELLO, ROBERTO, US
[72] AMIHOOD, PATRICK, US
[73] ITRON GLOBAL SARL, US
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[54] **NOVEL NITROIMIDAZOLE FORMULATIONS AND USES THEREOF**
[54] **NOUVELLES FORMULATIONS DE NITROIMIDAZOLE ET LEURS UTILISATIONS**
[72] PALLING, DAVID, US
[72] VLADYKA, RONALD S., US
[72] AMPREY, JOSEPH, US
[73] LUPIN INC., US
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[54] **MEAT TREATMENT COMPOSITION AND USE THEREOF**
[54] **COMPOSITION DE TRAITEMENT DE VIANDE ET SON UTILISATION**
[72] HILHORST, GERRIT ANTHON RENE, NL
[72] KROON, HARMEN, NL
[72] VERHEEZEN, JACOBUS JOHANNES ADRIANA MARIA, NL
[73] PURAC BIOCHEM B.V., NL
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[54] **FERTILISANT POLYMERIQUE ORGANIQUE-INORGANIQUE RETENANT L'EAU ET METHODE DE PREPARATION ASSOCIEE**
[72] ZHU, YANFANG, CN
[72] DU, ZHIYONG, CN
[72] ZHU, HONGZHI, CN
[73] QINGDAO HEZIFEI BIOTECHNOLOGY CO., LTD., CN
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[54] **PROCEDE DE COMMANDE D'UNE TETE D'IMPRESSION A JET D'ENCRE**
[72] FRANCK, JAN, DE
[73] FRANCK, JAN, DE
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[54] **PROCESSING QUALITATIVE RESPONSES AND VISUALIZATION GENERATION**
[54] **TRAITEMENT DE REPONSES QUALITATIVES ET GENERATION DE VISUALISATIONS**
[72] MICHELSON, NATALIE SARA, CA
[72] JEFFERY, MARK JOHN, CA
[72] MACLEOD, DAVID ANTHONY, CA
[73] FULCRUM MANAGEMENT SOLUTIONS LTD., CA
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[54] **1,3,4-OXADIAZOLE AMIDE DERIVATIVE COMPOUND AS HISTONE DEACETYLASE 6 INHIBITOR, AND PHARMACEUTICAL COMPOSITION CONTAINING SAME**
[54] **COMPOSE DERIVE AMIDE DE 1,3,4-OXADIAZOLE UTILISE COMME INHIBITEUR DE L'HISTONE DESACETYLASE 6, ET COMPOSITION PHARMACEUTIQUE CONTENANT CELUI-CI**
[72] LEE, JAEKWANG, KR
[72] KO, MOO SUNG, KR
[72] HAN, YOUNGHUE, KR
[72] KIM, YUNTAE, KR
[73] CHONG KUN DANG PHARMACEUTICAL CORP., KR
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[54] **CONDUIT ISOLE A LAME D'AIR ET PROCEDE D'UTILISATION**
[72] CAMPBELL, DONALD B., US
[72] CARLAY, RONALD L., US
[73] FLEXIBLE TECHNOLOGIES, INC., US
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[30] US (62/201,717) 2015-08-06
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[25] EN
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[54] **DISPOSITIFS D'ISOLATION DEGRADABLES AVEC TRACEURS INTEGRES**
[72] FRIPP, MICHAEL LINLEY, US
[72] BROOME, JOHN TODD, US
[72] WALTON, ZACHARY WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **PRODUCTION D'OZONE AVEC DU PLASMA DIRECTEMENT REFROIDI**
[72] BRUGGEMANN, NICOLE, DE
[72] FIEKENS, RALF, DE
[72] FIETZEK, REINER, DE
[72] SALVERMOSER, MANFRED, DE
[73] XYLEM IP MANAGEMENT S.A R.L., LU
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[25] EN
[54] **ALIGNMENT SYSTEM FOR POINT-TO-POINT ALIGNMENT OF SPACED APART FIRST AND SECOND ANTENNAS AND RELATED METHODS**
[54] **SYSTEME D'ALIGNEMENT POUR ALIGNEMENT POINT A POINT DE PREMIERE ET SECONDE ANTENNES ESPACEES ET PROCEDES ASSOCIES**
[72] WATTWOOD, JAMES A., US
[72] BEETON, EVAN, US
[73] SUNSIGHT HOLDINGS, LLC, US
[85] 2018-02-23
[86] 2016-08-29 (PCT/US2016/049249)
[87] (WO2017/040400)
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[54] **PORTABLE EXERCISE APPARATUS**
[54] **APPAREIL D'EXERCICE PORTATIF**
[72] CARNAGO, HAL M., CA
[72] COLISTRO, VINCENT A., CA
[73] CARNAGO, HAL M., CA
[73] COLISTRO, VINCENT A., CA
[86] (2997974)
[87] (2997974)
[22] 2018-03-12
[30] US (62592133) 2017-11-29

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[51] **Int.Cl. C09K 8/40 (2006.01) E21B 33/13 (2006.01)**
[25] EN
[54] **USE OF SOLID SURFACTANT COMPOSITES IN WELL CEMENTING**
[54] **UTILISATION DE COMPOSITES TENSIOACTIFS SOLIDES DANS LA CIMENTATION DE PUITS**
[72] LEOTAUD, LENNOX MARTIN, US
[72] CHATTERJI, JITEN, US
[72] BRENNEIS, DARRELL CHAD, US
[72] BENKLEY, JAMES ROBERT, US
[72] BROTHERS, LANCE EVERETT, US
[72] HARGROVE, BRANDI R., US
[72] DEAN, WILLIAM J., US
[72] ROBERTSON, LOGAN TODD, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-03-12
[86] 2015-10-26 (PCT/US2015/057380)
[87] (WO2017/074301)

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[51] **Int.Cl. H01L 21/677 (2006.01) H05B 6/64 (2006.01) H05B 6/78 (2006.01)**
[25] EN
[54] **ARRANGEMENT OF ARTICLES IN A CARRIER FOR MICROWAVE HEATING**
[54] **AGENCEMENT D'ARTICLES SUR UN SUPPORT POUR UN CHAUFFAGE PAR MICRO-ONDES**
[72] KIMREY, HAROLD DAIL, JR., US
[72] RAIDER, MATTHEW, US
[72] MOHR, LEA, US
[72] HIRSCHEY, JOHN, US
[72] REEVE, MICHELE, US
[73] 915 LABS, LLC, US
[85] 2018-03-19
[86] 2016-10-03 (PCT/US2016/055192)
[87] (WO2017/059441)
[30] US (62/235,961) 2015-10-01

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[51] **Int.Cl. G06T 17/05 (2011.01)**
[25] EN
[54] **MODELLING COMPLEX GEOLOGICAL SEQUENCES USING GEOLOGIC RULES AND PALEOGRAPHIC MAPS**
[54] **MODELISATION DE SEQUENCES GEOLOGIQUES COMPLEXES AU MOYEN DE REGLES GEOLOGIQUES ET DE CARTES PALEOGRAPHIQUES**
[72] ROSS, WILLIAM CLAYTON, US
[72] BOWEN, KIERAN, GB
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2018-04-05
[86] 2015-11-09 (PCT/US2015/059687)
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[51] **Int.Cl. E01F 1/00 (2006.01) B61B 1/02 (2006.01) E01C 15/00 (2006.01)**
[25] EN
[54] **MODULAR PLATFORM DECK FOR TRAFFIC**
[54] **LIT DE PLATEFORME MODULAIRE DESTINE A LA CIRCULATION**
[72] SZEKELY, KENNETH, CA
[73] ASTRA CAPITAL INCORPORATED, CA
[86] (3003970)
[87] (3003970)
[22] 2018-05-04
[30] US (62/503574) 2017-05-09
[30] CA (2,968,109) 2017-05-24
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[51] **Int.Cl. F28F 9/02 (2006.01) F16L 37/14 (2006.01) F24H 9/12 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER UNIT**
[54] **MODULE D'ECHANGEUR THERMIQUE**
[72] HUMBURG, MICHAEL, DE
[73] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH & CO. KG, DE
[86] (3004720)
[87] (3004720)
[22] 2018-05-10
[30] DE (102017112530.2) 2017-06-07

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[51] **Int.Cl. B23K 9/09 (2006.01) B23K 9/173 (2006.01) B23K 35/02 (2006.01)**
[25] EN
[54] **WELDING SYSTEM AND METHOD FOR SHIELDED WELDING WIRES**
[54] **SYSTEME ET PROCEDE DE SOUDAGE POUR FILS DE SOUDAGE BLINDES**
[72] KLEGIN, MICHAEL TODD, US
[72] HAVEN, CALEB, US
[73] ILLINOIS TOOLS WORKS INC., US
[85] 2018-05-11
[86] 2016-11-10 (PCT/US2016/061388)
[87] (WO2017/095603)
[30] US (14/954,124) 2015-11-30

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[51] **Int.Cl. F02G 1/043 (2006.01) F02G 1/044 (2006.01)**
[25] EN
[54] **A NEARLY FULL ADIABATIC ENGINE**
[54] **MOTEUR PRESQUE ENTIEREMENT ADIABATIQUE**
[72] JOHNSTON, BARRY W., US
[73] JOHNSTON, BARRY W., US
[85] 2018-05-28
[86] 2016-02-19 (PCT/US2016/018624)
[87] (WO2016/134229)
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[51] **Int.Cl. C10L 1/08 (2006.01)**
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[54] **AVIATION FUEL COMPOSITION**
[54] **COMPOSITION DE CARBURANT POUR L'AVIATION**
[72] SANDBERG, KATI, FI
[72] KIISKI, ULLA, FI
[73] NESTE CORPORATION, FI
[85] 2018-05-29
[86] 2016-12-14 (PCT/EP2016/080976)
[87] (WO2017/108529)
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[51] **Int.Cl. G01R 31/34 (2020.01) F01D 17/02 (2006.01) G01M 15/14 (2006.01)**
[25] EN
[54] **ENGINE AND ELECTRICAL MACHINE HEALTH MONITORING**
[54] **MOTEUR ET SURVEILLANCE DE L'ETAT DE SANTE D'UNE MACHINE ELECTRIQUE**
[72] MILLER, BRANDON WAYNE, US
[72] ADIBHATLA, SRIDHAR, US
[72] GANSLER, MICHAEL THOMAS, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3007519)
[87] (3007519)
[22] 2018-06-07
[30] US (15/629,952) 2017-06-22

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[51] **Int.Cl. C10L 1/10 (2006.01)**
[25] EN
[54] **FUEL ADDITIVE COMPRISING ISOPROPANOL, DIESEL FUEL, GASOLINE FUEL AND WATER**
[54] **ADDITIF POUR CARBURANT CONTENANT DE L'ISOPROPANOL, DU CARBURANT DIESEL, DE L'ESSENCE ET DE L'EAU**
[72] FOERG, WOLFGANG, CH
[73] ECOMANDA AG, CH
[85] 2018-06-07
[86] 2016-05-10 (PCT/EP2016/060462)
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[25] EN
[54] **COATING SYSTEM AND ARTICLES MADE THEREBY**
[54] **SYSTEME D'ENDUCTION ET ARTICLES AINSI PRODUITS**
[72] MCCAMY, JAMES W., US
[72] HUNG, CHENG-HUNG, US
[72] ARBAB, MEHRAN, US
[72] BHANDARI, ABHINAV, US
[73] VITRO FLAT GLASS LLC, US
[85] 2018-06-08
[86] 2016-12-09 (PCT/US2016/065875)
[87] (WO2017/100607)
[30] US (62/266,239) 2015-12-11
[30] US (14/967,953) 2015-12-14
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[54] **ADAPTIVE CONTROL FOR MOTOR FAN WITH MULTIPLE SPEED TAPS**
[54] **COMMANDE ADAPTATIVE POUR VENTILATEUR DE MOTEUR AVEC PLUSIEURS PRISES DE VITESSE**
[72] ARENSMEIER, JEFFREY N., US
[72] LAYTON, PAUL, US
[72] NIELSON, JACOB, US
[73] EMERSON ELECTRIC CO., US
[85] 2018-06-08
[86] 2016-12-09 (PCT/US2016/065949)
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[30] US (62/265,645) 2015-12-10

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[51] **Int.Cl. G01S 13/87 (2006.01) G01S 5/02 (2010.01) G06K 7/00 (2006.01)**
[25] EN
[54] **SMART CARD READER WITH ELECTROSTATIC DISCHARGE PROTECTION**
[54] **LECTEUR DE CARTE A PUCE A PROTECTION CONTRE LES DECHARGES ELECTROSTATIQUES**
[72] BEALS, WILLIAM MICHAEL, US
[73] DISH TECHNOLOGIES L.L.C., US
[85] 2018-06-27
[86] 2016-12-20 (PCT/US2016/067762)
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[54] **PALLET AND DOLLY WITH BAIL ARM**
[54] **PALETTE ET CHARIOT AYANT UN BRAS D'ETRIER**
[72] NUSSBAUM, ROBERT GUY, US
[72] HOWE, STEPHEN ROLAND, US
[73] ORBIS CORPORATION, US
[85] 2018-06-27
[86] 2016-12-27 (PCT/US2016/068657)
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[25] EN
[54] **NON-SKID CONTAINER**
[54] **CONTENANT ANTIDERAPANT**
[72] SMALDONE, JAMES, US
[72] SMALDONE, AL, US
[73] ALFAY DESIGNS, INC., US
[85] 2018-07-06
[86] 2017-01-05 (PCT/US2017/012324)
[87] (WO2017/120329)
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[51] **Int.Cl. C07F 9/6584 (2006.01) A61K 31/675 (2006.01) A61P 9/00 (2006.01)**
[25] FR
[54] **NOVEL PHOSPHINANE AND AZAPHOSPHINANE DERIVATIVES, METHOD FOR PREPARING SAME AND PHARMACEUTICAL COMPOSITIONS CONTAINING SAME**
[54] **NOUVEAUX DERIVES DE PHOSPHINANES ET AZAPHOSPHINANES, LEUR PROCEDE DE PREPARATION ET LES COMPOSITIONS PHARMACEUTIQUES QUI LES CONTIENNENT**
[72] GLOANEC, PHILIPPE, FR
[72] SCHAFFNER, ARNAUD-PIERRE, FR
[72] SANSILVESTRI-MOREL, PATRICIA, FR
[72] RUPIN, ALAIN, FR
[72] MENNECIER, PHILIPPE, FR
[72] VALLEZ, MARIE-ODILE, FR
[73] LES LABORATOIRES SERVIER, FR
[85] 2018-07-10
[86] 2017-01-13 (PCT/FR2017/050075)
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[51] **Int.Cl. D01D 5/098 (2006.01) D04H 3/16 (2006.01)**
[25] EN
[54] **DEVICE FOR PRODUCING SPUNBONDED WEBS**
[54] **DISPOSITIF DE PRODUCTION DE NAPPES FILEES-LIEES**
[72] NITSCHKE, MICHAEL, DE
[72] SWIATEK, MARTIN, DE
[72] NEUENHOFER, MARTIN, DE
[72] GEUS, HANS-GEORG, DE
[72] FREY, DETLEF, DE
[73] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE
[85] 2018-07-20
[86] 2016-12-16 (PCT/EP2016/081413)
[87] (WO2017/129318)
[30] EP (16152906.0) 2016-01-27

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[25] EN
[54] **SHAPE HOLDING FIXTURE AND METHOD FOR MANUFACTURING AIRCRAFT PANEL**
[54] **GABARIT DE RETENUE DE FORME ET PROCEDE DE PRODUCTION DE PANNEAU D'AERONEF**
[72] HIRAI, MAKOTO, JP
[72] AZUMA, HIROKI, JP
[72] GOTO, TAKUYA, JP
[72] TAKEYAMA, SACHIO, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2018-07-27
[86] 2016-11-17 (PCT/JP2016/084128)
[87] (WO2017/134901)
[30] JP (2016-018426) 2016-02-02

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[13] C
[51] **Int.Cl. E05F 5/02 (2006.01) E05F 15/63 (2015.01)**
[25] EN
[54] **BRAKING DEVICE FOR A MOVABLE DOOR LEAF AND CORRESPONDING DOOR CLOSER**
[54] **DISPOSITIF DE FREINAGE DESTINE A UN VOLET DE PORTE MOBILE ET DISPOSITIF DE FERMETURE DE PORTE CORRESPONDANT**
[72] HUCKER, MATTHIAS, DE
[73] GEZE GMBH, DE
[85] 2018-07-31
[86] 2017-02-01 (PCT/EP2017/052127)
[87] (WO2017/140498)
[30] DE (10 2016 202 225.3) 2016-02-15

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[25] EN
[54] **METHODS AND COMPOSITIONS FOR STIMULATING COLLAGEN SYNTHESIS IN SKIN CELLS**
[54] **PROCEDES ET COMPOSITIONS POUR STIMULER LA SYNTHESE DU COLLAGENE DANS DES CELLULES CUTANEES**
[72] PERNODET, NADINE, US
[72] CORALLO, KRYSTLE, US
[73] ELC MANAGEMENT LLC, US
[85] 2018-07-31
[86] 2017-01-26 (PCT/US2017/015007)
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[30] US (15/041,602) 2016-02-11

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[51] **Int.Cl. B22C 9/10 (2006.01) B22C 1/16 (2006.01) B22C 9/04 (2006.01)**
[25] EN
[54] **CARBON FIBERS IN CERAMIC CORES FOR INVESTMENT CASTING**
[54] **FIBRES DE CARBONE DANS LES NOYAUX EN CERAMIQUE DESTINES AU COULAGE D'INVESTISSEMENT**
[72] LI, TAO, US
[72] YANG, XI, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3014459)
[87] (3014459)
[22] 2018-08-16
[30] US (15/689,748) 2017-08-29

[11] **3,014,694**
[13] C
[51] **Int.Cl. G06F 16/27 (2019.01) G06F 15/16 (2006.01)**
[25] EN
[54] **DISTRIBUTING DATA ON DISTRIBUTED STORAGE SYSTEMS**
[54] **DISTRIBUTION DE DONNEES DANS DES SYSTEMES DE MEMORISATION DISTRIBUEE**
[72] CYPHER, ROBERT, US
[72] QUINLAN, SEAN, US
[72] SCHIRRIPA, STEVEN ROBERT, US
[73] GOOGLE LLC, US
[86] (3014694)
[87] (3014694)
[22] 2014-09-24
[62] 2,931,665
[30] US (14/097,380) 2013-12-05

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[51] **Int.Cl. C23C 30/00 (2006.01) C23C 26/02 (2006.01) C23C 28/04 (2006.01)**
[25] EN
[54] **LIQUID BOND COATINGS FOR BARRIER COATINGS**
[54] **REVETEMENTS DE LIAISON LIQUIDES DESTINES A DES REVETEMENTS PROTECTEURS**
[72] KIRBY, GLEN HAROLD, US
[72] SUBRAMANIAN, SURESH, US
[72] VISWANATHAN, SURESH, US
[72] STEIBEL, JAMES DALE, US
[73] GENERAL ELECTRIC COMPANY, US
[86] (3015094)
[87] (3015094)
[22] 2018-08-23
[30] US (15/697,913) 2017-09-07

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[51] **Int.Cl. B01J 19/24 (2006.01) B01J 35/02 (2006.01) C07B 61/00 (2006.01) C07C 1/04 (2006.01) C07C 9/02 (2006.01) F28D 9/00 (2006.01) F28F 3/06 (2006.01) F28F 3/08 (2006.01)**
[25] EN
[54] **MULTILAYER REACTOR UTILISING HEAT EXCHANGE**
[54] **REACTEUR MULTICOUCHE EMPLOYANT L'ECHANGE THERMIQUE**
[72] YOSHINOYA, TAKUYA, JP
[72] HONMA, NOBUYUKI, JP
[73] IHI CORPORATION, JP
[85] 2018-08-20
[86] 2017-03-02 (PCT/JP2017/008229)
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[30] JP (2016-041079) 2016-03-03

[11] **3,015,379**
[13] C
[51] **Int.Cl. B26B 21/40 (2006.01)**
[25] EN
[54] **RAZOR CARTRIDGE WITH FLUID MANAGEMENT SYSTEM**
[54] **CARTOUCHE DE RASOIR COMPRENANT UN SYSTEME DE GESTION DE FLUIDE**
[72] HAINES, RODERICK ANDREW, GB
[72] OLIVER, JAMES SIMON, GB
[72] PETERSON, MARK, GB
[72] SPOONER-FLEMING, JOIA KIRIN, US
[72] STEPHENS, ALISON FIONA, GB
[72] TANDY, JAMES, SG
[72] WARRICK, PAUL LESLIE, GB
[72] WILLIAMSON, FINBARR CHARLES RONALD, GB
[73] THE GILLETTE COMPANY LLC, US
[85] 2018-08-21
[86] 2017-03-20 (PCT/US2017/023143)
[87] (WO2017/172395)
[30] EP (16163187.4) 2016-03-31
[30] EP (17160791.4) 2017-03-14

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[51] **Int.Cl. B26B 21/40 (2006.01)**
[25] EN
[54] **RAZOR CARTRIDGE WITH FLUID MANAGEMENT**
[54] **CARTOUCHE DE RASOIR PERMETTANT UNE GESTION DE FLUIDE**
[72] JOLLEY, WILLIAM OWEN, US
[72] PETERSON, MARK, GB
[72] SPOONER-FLEMING, JOIA KIRIN, US
[72] STEPHENS, ALISON FIONA, GB
[72] TANDY, JAMES, SG
[72] WARRICK, PAUL LESLIE, GB
[72] WASHINGTON, JACK ANTHONY, US
[73] THE GILLETTE COMPANY LLC, US
[85] 2018-08-21
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[87] (WO2017/172396)
[30] EP (16163191.6) 2016-03-31
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[51] **Int.Cl. E21B 44/00 (2006.01) E21B 47/00 (2012.01) E21B 47/06 (2012.01)**
[25] EN
[54] **REAL-TIME TENSION, COMPRESSION AND TORQUE DATA MONITORING SYSTEM**
[54] **SYSTEME DE SURVEILLANCE EN TEMPS REEL DE DONNEES DE TENSION, DE COMPRESSION ET DE COUPLE**
[72] GARNER, LOUIS D., CA
[72] LIVESCU, SILVIU, CA
[72] VACIK, LUBOS, CA
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-08-23
[86] 2017-02-21 (PCT/US2017/018736)
[87] (WO2017/147079)
[30] US (62/300,280) 2016-02-26

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[51] **Int.Cl. F23C 10/00 (2006.01) F23B 90/02 (2011.01) F23B 80/02 (2006.01) F23C 9/08 (2006.01) F23C 10/01 (2006.01) F23C 10/16 (2006.01) F23G 5/30 (2006.01) F23G 7/07 (2006.01) F23L 7/00 (2006.01) F27B 15/00 (2006.01) F27D 7/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR OXYGEN CARRIER ASSISTED OXY-FIRED FLUIDIZED BED COMBUSTION**
[54] **SYSTEME ET PROCEDE DE COMBUSTION A LIT FLUIDISE A GAZ OXYGENE ASSISTEE PAR PORTEUR D'OXYGENE**
[72] HUGHES, ROBIN W., CA
[72] LU, DENNIS Y., CA
[72] SYMONDS, ROBERT T., CA
[72] RIDHA, FIRAS N., CA
[73] HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATURAL RESOURCES, CA
[85] 2018-08-31
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[87] (WO2017/161460)
[30] US (62/312,764) 2016-03-24

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[25] EN
[54] **FEEDING SYSTEMS AND METHODS OF USING FEEDING SYSTEMS**
[54] **SYSTEMES D'ALIMENTATION ET PROCEDES D'UTILISATION DE SYSTEMES D'ALIMENTATION**
[72] LUCEY, DERRICK, US
[72] RIPEPI, MARK, US
[72] GLISAN, ROY A., US
[72] D'ASTOLFO, LEROY E., US
[73] ELYSIS LIMITED PARTNERSHIP, CA
[85] 2018-08-30
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[51] **Int.Cl. G02B 21/24 (2006.01) B01L 9/00 (2006.01) G02B 21/34 (2006.01)**
[25] EN
[54] **DEVICE FOR INSERTING INTO AN IMAGING SYSTEM**
[54] **DISPOSITIF DESTINE A ETRE UTILISE DANS UN SYSTEME D'IMAGERIE**
[72] BORNMANN, GERD, DE
[72] EBERHARDT, JENS, DE
[73] ALS AUTOMATED LAB SOLUTIONS GMBH, DE
[85] 2018-09-06
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[54] **NETTOYEUR ELECTRIQUE A PRESSION**
[72] LUBY, CHARLES JOHN, US
[72] BEARUP, ADAM, US
[72] GARNER, TRENT, US
[72] HUTHER, SHERI, US
[72] RASMUSSEN, MICHAEL, US
[73] KARCHER NORTH AMERICA, INC., US
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[54] **VEHICLE SUSPENSION**
[54] **SUSPENSION DE VEHICULE**
[72] BROWN, MATTHEW THOMAS, US
[72] PAHWA, GURDEEP SINGH, US
[73] MAHINDRA N.A. TECH CENTER, US
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[87] (3023291)
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[25] EN
[54] **COMPOSITIONS CONTAINING FLUORINE SUBSTITUTED OLEFINS**
[54] **OMPOSITIONS CONTENANT DES OLEFINES SUBSTITUEES PAR DU FLUOR**
[72] SINGH, RAJIV R., US
[72] PHAM, HANG T., US
[72] WILSON, DAVID P., US
[72] THOMAS, RAYMOND H., US
[73] HONEYWELL INTERNATIONAL INC., US
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[54] **ADJUSTABLE-WIDTH MODULAR BROOM ASSEMBLY FOR SWEEPING MACHINE**
[54] **ENSEMBLE BALAI MODULAIRE A LARGEUR REGLABLE POUR BALAYEUSE**
[72] PETTY, CHRIS, US
[72] MOYER, DAVID, US
[73] ROADTEC, INC., US
[86] (3023309)
[87] (3023309)
[22] 2018-11-06
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[25] EN
[54] **AN OVERRIDE CONTROL CIRCUIT FOR THE RELIABLE AND SAFE OPERATION OF AN ELECTRICAL SYSTEM**
[54] **UN CIRCUIT DE CONTROLE DE DERIVATION SERVANT AU FONCTIONNEMENT FIABLE ET SUR D'UN SYSTEME ELECTRIQUE**
[72] GEISS, MICHAEL, DE
[73] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[86] (3027259)
[87] (3027259)
[22] 2018-12-11
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[25] EN
[54] **ULTRAFINE BUBBLE GENERATION DEVICE FOR AQUACULTURE OR WASTEWATER TREATMENT**
[54] **DISPOSITIF DE GENERATION DE BULLES ULTRAFINES POUR L'AQUACULTURE OU LE TRAITEMENT DES EAUX USEES**
[72] ANZAI, SATOSHI, JP
[73] NANOBUBBLE SOLUTIONS LIMITED, GB
[73] ANZAI, SATOSHI, JP
[85] 2018-12-13
[86] 2017-06-13 (PCT/JP2017/021789)
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[25] EN
[54] **SLEEVE-COMPONENT EXTRACTING JIG**
[54] **APPAREIL D'EXTRACTION DE COMPOSANTE DE MANCHON**
[72] ADACHI, YUTAKA, JP
[72] II, NORIAKI, JP
[72] KYOOKA, YOSHITERU, JP
[73] KYOOKA CO., LTD., JP
[73] ADACHI, YUTAKA, JP
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[25] EN
[54] **PORTABLE EXERCISE APPARATUS COMPRISING RESISTANCE GENERATING MEMBER IN THE FORM OF A PLUNGER CARRIED ON LIMB RECEIVING MEMBER OF THE EXERCISE APPARATUS**
[54] **EXERCISEUR PORTABLE CONSTITUE D`UN ELEMENT GENERATEUR DE RESISTANCE SE COMPOSANT D`UN PISTON PORTE SUR UN COMPOSANT DE RECEPTION DE MEMBRE DE L`EXERCISEUR**
[72] CARNAGO, HAL M., CA
[72] COLISTRO, VINCENT A., CA
[73] CARNAGO, HAL M., CA
[73] COLISTRO, VINCENT A., CA
[86] (3029944)
[87] (3029944)
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[25] EN
[54] **COLLECTING USER INFORMATION FROM COMPUTER SYSTEMS**
[54] **COLLECTE D'INFORMATIONS D'UTILISATEUR A PARTIR DE SYSTEMES INFORMATIQUES**
[72] LI, HUI, CN
[72] ZHONG, GUANHAI, CN
[72] CAO, YINGPING, CN
[73] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-01-04
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[54] **ILLUMINATED ASSEMBLIES AND METHODS OF MANUFACTURE THEREOF**
[54] **ENSEMBLES ECLAIRES ET LEURS PROCEDES DE FABRICATION**
[72] CURTIS, JEFFREY A., US
[72] CURTIS, BRENT M., US
[73] CURTIS, JEFFREY A., US
[73] CURTIS, BRENT M., US
[85] 2019-01-25
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[54] **WELLBORE THERMAL, PRESSURE, AND STRESS ANALYSIS ABOVE END OF OPERATING STRING**
[54] **ANALYSE THERMIQUE, DE PRESSION ET DE CONTRAINTE DE PUITS DE FORAGE AU-DESSUS DE L'EXTREMITE D'UN TRAIN DE TIGES D'EXPLOITATION**
[72] KANG, YONGFENG, US
[72] GONZALES, ADOLFO, US
[72] JIANG, JUN, US
[72] LIU, ZHENGCHUN, US
[72] SAMUEL, ROBELLO, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2019-01-31
[86] 2017-09-12 (PCT/US2017/051113)
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[54] **PIVOTING RATCHET TOE BOARD**
[54] **REBORD PROTECTEUR A CLIQUET PIVOTANT**
[72] SHELLSWELL, BRIAN, CA
[73] NORWOOD INDUSTRIES INC., CA
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[54] **A BIOGAS SYSTEM COMPRISING A CONTAINER AND MEANS FOR VARYING A CROSS SECTION OF A BYPASS LINE**
[54] **SYSTEME DE BIOGAZ COMPRENANT UN CONTENEUR ET METHODES POUR FAIRE VARIER UNE SECTION EFFICACE D'UNE CONDUITE DE DERIVATION**
[72] EUSTERBROCK, CHRISTOPH, DE
[73] BIOENERGY CONCEPT GMBH, DE
[85] 2019-03-20
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[54] **SYSTEM AND METHODS FOR DETECTING NON-AUTHENTIC SLAVE COMPONENTS USING CLOCK FREQUENCY CHANGES**
[54] **SYSTEME ET METHODE DE DETECTION DE COMPOSANTS ESCLAVES NON-AUTHENTIQUES AU MOYEN DE CHANGEMENTS DE LAFREQUENCE D'HORLOGE**
[72] FISTER, ZACHARY NATHAN, US
[72] RADEMACHER, TIMOTHY JOHN, US
[73] LEXMARK INTERNATIONAL, INC., US
[86] (3039872)
[87] (3039872)
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[54] **MAPPING VERTICES FROM AN EARTH MODEL TO A 2D ARRAY**
[54] **MAPPAGE DE SOMMETS D'UN MODELE TERRESTRE A UN RESEAU 2D**
[72] XU, ZITAO, US
[72] SHI, GENBAO, US
[72] CHIEN, CHIKANG DAVID, US
[72] GEHIN, MAYRICE, US
[72] CALLEGARI, ANDRES CESAR, US
[72] YARUS, JEFFREY MARC, US
[73] LANDMARK GRAPHICS CORPORATION, US
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[54] **LOTTERY TICKET DISPENSER BIN WITH PIVOTOL DOOR**
[54] **BAC DE DISTRIBUTEUR DE BILLET DE LOTERIE COMPORTANT UNE PORTE A PIVOT**
[72] HOLBROOK, JAMES JONATHAN, US
[73] SCIENTIFIC GAMES HOLDINGS LIMITED, IE
[86] (3042202)
[87] (3042202)
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[25] EN
[54] **DEVICE FOR SENSING IMPLANT LOCATION AND IMPINGEMENT**
[54] **DISPOSITIF DE DETECTION D'EMPLACEMENT ET DE CONTACT D'IMPLANT**
[72] JOHANNABER, KENNETH D., US
[72] MINCK, JOHN, JR., US
[72] HARIRI, RIDA, US
[72] DALBEY, DEREK, US
[73] ZIMMER, INC., US
[85] 2019-05-02
[86] 2017-11-01 (PCT/US2017/059552)
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[25] EN
[54] **COMPONENT MANUFACTURING METHOD AND COMPONENT MANUFACTURING SYSTEM**
[54] **PROCEDE DE PRODUCTION D'ELEMENT ET SYSTEME DE PRODUCTION D'ELEMENT**
[72] ISHIDA, MAKOTO, JP
[72] ITO, YUJI, JP
[72] YAMAUCHI, KANAU, JP
[73] MITSUBISHI HEAVY INDUSTRIES, LTD., JP
[85] 2019-05-08
[86] 2017-10-16 (PCT/JP2017/037379)
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[25] FR
[54] **OPTIC AND AIRCRAFT TRANSMISSION SYSTEM**
[54] **SYSTEME DE TRANSMISSION OPTIQUE ET AERONEF**
[72] IMBERT, NICOLAS, FR
[72] CHUC, CHARLES, FR
[72] BOIRIVENT, NICOLAS, FR
[72] GIBERT, GAUTHIER, FR
[73] AIRBUS HELICOPTERS, FR
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[54] **METHOD OF STIMULATING HAIR GROWTH**
[54] **PROCEDE DE STIMULATION DE LA CROISSANCE CAPILLAIRE**
[72] NICHOLLS, DEBORAH, AU
[73] BOUNTIFULAIR PTY LTD., AU
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[54] **TEMPERATURE-RESISTANT SILICONE RESINS**
[54] **RESINES EN SILICONE RESISTANT A LA TEMPERATURE**
[72] ZHOU, CHAOYIN, US
[72] NOWAK, ANDREW P., US
[72] SHARP, RICHARD E., US
[72] LI, WEN, US
[72] FRENCH, JAMES E., US
[73] THE BOEING COMPANY, US
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[54] **IMAGE GENERATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE GENERATION D'IMAGE**
[72] GUO, WEI, CN
[73] ALIBABA GROUP HOLDING LIMITED, KY
[85] 2019-07-17
[86] 2018-02-13 (PCT/US2018/018021)
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[25] EN
[54] **A DRUG FOR THE EFFECTIVE CONTROL OF ACUTE AND/OR CHRONIC PAIN AND A METHOD FOR ITS ADMINISTRATION**
[54] **MEDICAMENT POUR LA PRISE EN CHARGE EFFICACE D'UNE DOULEUR AIGUE ET/OU CHRONIQUE ET SON PROCEDE D'ADMINISTRATION**
[72] KOSORUKOV, VYACHESLAV STANISLAVOVICH, RU
[72] RZHANINOV, EVGENY STANISLAVOVICH, RU
[72] KOROBOV, NIKOLAI VASILIEVICH, RU
[73] PVP LABS PTE. LTD., SG
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[25] EN
[54] **IUGW ARCHITECTURE**
[54] **ARCHITECTURE D'IUGW**
[72] CAO, YANG, US
[72] LUBENSKI, ZEEV, US
[72] AGARWAL, KAITKI, US
[72] RAO, PRASHANTH, US
[72] ATRI, RAHUL, US
[73] PARALLEL WIRELESS, INC., US
[85] 2019-09-18
[86] 2017-03-20 (PCT/US2017/023265)
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[25] EN
[54] **OVERLAPPED SCHEDULING AND SORTING FOR ACOUSTIC TRANSDUCER PULSES**
[54] **PLANIFICATION ET TRI EN CHEVAUCHEMENT POUR LES IMPULSIONS DES TRANSDUCTEURS**
[72] MANDERS, GRAHAM, CA
[72] HALPENNY, MIKE, CA
[73] DARKVISION TECHNOLOGIES INC, CA
[86] (3057771)
[87] (3057771)
[22] 2019-10-07
[30] GB (GB1816867.4) 2018-10-16

[11] **3,058,864**
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[25] EN
[54] **COOKING GRILL USING PELLET FUEL**
[54] **GRIL DE CUISSON UTILISANT DU COMBUSTIBLE EN PASTILLES**
[72] MCADAMS, TOM, CA
[72] HOFER, ETHAN, CA
[72] DNESTRIANSCHII, LUCIEN, CA
[73] CRYSTAL SPRING COLONY FARMS LTD., CA
[86] (3058864)
[87] (3058864)
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[25] EN
[54] **SUB-BAND SPATIAL AUDIO ENHANCEMENT**
[54] **REHAUSSEMENT AUDIO SPATIAL DE SOUS-BANDE**
[72] SELDESS, ZACHARY, US
[73] BOOMCLOUD 360, INC., US
[85] 2019-11-20
[86] 2018-07-06 (PCT/US2018/041128)
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[30] US (15/646,821) 2017-07-11

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[25] EN
[54] **FORMWORK SUPPORT SYSTEM AND METHOD OF INSTALLING A FORMWORK SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE COFFRAGE ET PROCEDE D'INSTALLATION D'UN SYSTEME DE SUPPORT DE COFFRAGE**
[72] BARON, CHRISTOPH, AT
[72] SCHAGERL, PHILIPP, AT
[73] DOKA GMBH, AT
[85] 2019-11-27
[86] 2018-07-10 (PCT/EP2018/068587)
[87] (WO2019/011882)
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[51] **Int.Cl. E04G 11/38 (2006.01) E04G 11/48 (2006.01) E04G 11/50 (2006.01) E04G 25/06 (2006.01)**
[25] EN
[54] **FORMWORK SUPPORT SYSTEM, TRANSVERSE BEAM AND METHOD OF INSTALLING A FORMWORK SUPPORT SYSTEM**
[54] **SYSTEME DE SUPPORT DE COFFRAGE, POUTRE TRANSVERSALE ET PROCEDE D'INSTALLATION D'UN SYSTEME DE SUPPORT DE COFFRAGE**
[72] BARON, CHRISTOPH, AT
[72] AUGUSTIN, ALEXANDER, AT
[73] DOKA GMBH, AT
[85] 2019-11-27
[86] 2018-07-10 (PCT/EP2018/068596)
[87] (WO2019/011885)
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[51] **Int.Cl. A61N 1/05 (2006.01) A61B 5/0428 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **IMPLANTABLE ELECTRODE COUPLED TO AN OPTOELECTRONIC DEVICE**
[54] **ELECTRODE IMPLANTABLE COUPLEE A UN DISPOSITIF OPTOELECTRONIQUE**
[72] DOGUET, PASCAL, BE
[72] DAUTREBANDE, MARIE, BE
[72] GODFRAIND, CARMEN, BE
[73] SYNERGIA MEDICAL, BE
[85] 2020-02-06
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[25] EN
[54] **WASTE PROCESSING SYSTEM**
[54] **SYSTEME DE TRAITEMENT DE DECHETS**
[72] RIDDIFORD, MARK, NZ
[72] BREEZE, WAYNE, NZ
[73] CIRCULAR RESOURCES (IP) PTE LIMITED, SG
[85] 2020-02-28
[86] 2018-08-30 (PCT/IB2018/056653)
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[30] US (62/552,080) 2017-08-30

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[13] C
[51] **Int.Cl. H02J 13/00 (2006.01) H02J 3/18 (2006.01)**
[25] EN
[54] **ELECTRICAL POWER TRANSMISSION**
[54] **TRANSMISSION D'ELECTRICITE**
[72] ROSENDAHL, GLENN KENTON, CA
[73] ROSENDAHL, GLENN KENTON, CA
[86] (3075105)
[87] (3075105)
[22] 2018-09-10
[62] 3,059,517
[30] US (15/790,879) 2017-10-23

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[51] **Int.Cl. G01N 1/26 (2006.01) G01N 30/86 (2006.01)**
[25] EN
[54] **MULTI-SOURCE, FLOW-WEIGHTED COMPOSITE SAMPLE SYSTEM**
[54] **SYSTEME D'ECHANTILLON COMPOSITE MULTI-SOURCE A ECOULEMENT PONDERE**
[72] THOMPSON, KENNETH O., US
[72] WARNER, KEVIN, US
[72] QUERREY, TIMOTHY L., US
[73] MUSTANG SAMPLING, LLC, US
[85] 2020-03-23
[86] 2018-09-21 (PCT/US2018/052125)
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[30] US (62/565,865) 2017-09-29
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[51] **Int.Cl. A61K 38/06 (2006.01) A61K 35/741 (2015.01) A61K 31/198 (2006.01) A61K 31/616 (2006.01) A61K 31/7004 (2006.01) A61K 33/00 (2006.01) A61K 36/19 (2006.01) A61K 36/28 (2006.01) A61K 36/61 (2006.01) A61K 36/82 (2006.01) A61K 36/87 (2006.01) A61K 36/889 (2006.01) A61P 25/00 (2006.01) A61P 25/32 (2006.01) A61K 9/127 (2006.01) A61K 9/48 (2006.01)**
[25] EN
[54] **#FTF**
[54] **#FTF**
[72] PARISH, CHARLOTTE J., CA
[72] MANN, SHAILENDRA, CA
[71] PARISH, CHARLOTTE J., CA
[71] MANN, SHAILENDRA, CA
[22] 2019-03-19
[41] 2020-09-19

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[21] **3,036,534**
[13] A1
[51] **Int.Cl. G06Q 40/00 (2012.01) G06Q 40/02 (2012.01)**
[25] EN
[54] **ARTIFICIALLY INTELLIGENT RETIREMENT INCOME PLANNER**
[54] **PLANIFICATEUR DE REVENU DE RETRAITE A INTELLIGENCE ARTIFICIELLE**
[72] MOYER, IAN CLARKE, CA
[72] KESTLE, JONATHAN PETER, CA
[71] CASCADES FINANCIAL SOLUTIONS INC., CA
[22] 2019-03-13
[41] 2020-09-13

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[21] **3,036,543**
[13] A1
[51] **Int.Cl. G05B 9/02 (2006.01) G06F 16/28 (2019.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPLEMENTING AND MONITORING PROCESS SAFETY MANAGEMENT**
[54] **PROCEDES ET SYSTEMES POUR LA MISE EN OEUVRE ET LE CONTROLE DE LA GESTION DE LA SECURITE DES PROCEDES**
[72] BINGHAM, KENNETH GEORGE, CA
[71] ACM RISK SCIENCES & DEVELOPMENT INC., CA
[22] 2019-03-13
[41] 2020-09-13

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[21] **3,036,548**
[13] A1
[51] **Int.Cl. B62B 5/00 (2006.01) B62B 3/14 (2006.01)**
[25] EN
[54] **FOOT REST FOR GROCERY CARTS**
[54] **REPOSE-PIEDS POUR POUSSETTES DE MARCHE**
[72] FALCIGLIA, MELINA, CA
[71] FALCIGLIA, MELINA, CA
[22] 2019-03-13
[41] 2020-09-13

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[21] **3,036,549**
[13] A1
[51] **Int.Cl. E04H 17/12 (2006.01) E04H 17/16 (2006.01) E04H 17/20 (2006.01)**
[25] EN
[54] **FENCE PANEL COMPRISING COMPONENTS HAVING A CORROSION-RESISTANT COATINGS AND RELATED METHOD FOR FORMING SAME**
[54] **PANNEAU DE CLOTURE COMPRENANT DES COMPOSANTS AYANT UN REVETEMENT RESISTANT A LA CORROSION ET SON PROCEDE DE FABRICATION**
[72] COMTE, ALAIN, CA
[71] COMTE, ALAIN, CA
[22] 2019-03-13
[41] 2020-09-13

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[21] **3,036,625**
[13] A1
[51] **Int.Cl. C07C 4/04 (2006.01) C07C 4/06 (2006.01) C10G 9/30 (2006.01) C10G 11/16 (2006.01)**
[25] EN
[54] **THERMAL DECOMPOSITION IN CHEMICAL LOOPING COMBUSTION**
[54] **DECOMPOSITION THERMIQUE DANS L`ANAEROCOMBUSTION**
[72] SIMANZHENKOV, VASILY, CA
[72] DEY, RABI, CA
[72] FARAG, HANY, CA
[71] NOVA CHEMICALS CORPORATION, CA
[22] 2019-03-13
[41] 2020-09-13

[21] **3,036,667**
[13] A1
[51] **Int.Cl. G06T 5/50 (2006.01) G01V 8/10 (2006.01) G06F 3/02 (2006.01) G06T 1/40 (2006.01)**
[25] EN
[54] **A MARINE SURVEY IMAGE ENHANCEMENT SYSTEM**
[54] **SYSTEME D`AMELIORATION D`IMAGE DE LEVE MARIN**
[72] LIU, SHIWEI, US
[72] YU, ZHE, US
[71] MARINETHINKING INC., CA
[22] 2019-03-14
[41] 2020-09-14

[21] **3,036,730**
[13] A1
[51] **Int.Cl. A47J 43/28 (2006.01) A47G 21/10 (2006.01) A47J 29/06 (2006.01) A47J 43/14 (2006.01)**
[25] EN
[54] **KITCHEN UTENSIL FOR REMOVING EGG CHALAZA OR EGGSHELL PIECES, AND RELATED METHODS**
[54] **USTENSILE DE CUISINE POUR RETIRER DES CHALAZES D`OEUF OU DES MORCEAUX DE COQUILLES D`OEUF, ET PROCEDES ASSOCIES**
[72] PACHES, JEFFREY S., CA
[71] NORTH AMERICAN NOVELTY CORPORATION, CA
[22] 2019-03-14
[41] 2020-09-14

[21] **3,036,791**
[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) B65G 51/00 (2006.01)**
[25] EN
[54] **DEVICE WITH ENCAPSULATED SENSOR AND METHOD OF MAKING THE SAME**
[54] **DISPOSITIF AVEC CAPTEUR ENCAPSULE ET SON PROCEDE DE FABRICATION**
[72] BEZANSON, ANDRE, CA
[72] BROELL, FRANZISKA, CA
[71] BEZANSON, ANDRE, CA
[71] BROELL, FRANZISKA, CA
[22] 2019-03-14
[41] 2020-09-14

[21] **3,036,836**
[13] A1
[51] **Int.Cl. G06F 7/00 (2006.01) G06N 20/00 (2019.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SYMMETRIC RECOGNITION OF HANDED ACTIVITIES**
[54] **PROCEDE ET SYSTEME DE RECONNAISSANCE SYMETRIQUE POUR ACTIVITES MANUELLES**
[72] TOLSTIKHIN, ANDREY, CA
[72] BROWN, COLIN, CA
[71] WRNCH INC., CA
[22] 2019-03-15
[41] 2020-09-15

[21] **3,036,846**
[13] A1
[51] **Int.Cl. F25C 3/02 (2006.01) F25B 1/00 (2006.01) F25B 9/00 (2006.01)**
[25] EN
[54] **TRANSCRITICAL CO2 RINK REFRIGERATION SYSTEM WITH TRANSCRITICAL ENERGY RECOVERY EJECTOR**
[54] **SYSTEME DE REFRIGERATION DE PATINOIRE DE DIOXYDE DE CARBONE TRANSCRITIQUE A EJECTEUR DE RECUPERATION D`ENERGIE TRANSCRITIQUE**
[72] SADIGH TEHRANI, SHAHIN SS, CA
[71] SADIGH TEHRANI, SHAHIN SS, CA
[22] 2019-03-15
[41] 2020-09-15

[21] **3,036,847**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06N 20/00 (2019.01) G06F 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR BALANCING DATASETS OF MULTI-CLASS INSTANCE DATA**
[54] **PROCEDE POUR EQUILIBRER LES ENSEMBLES DE DONNEES EMANANT DE DONNEES D`INSTANCE DE CATEGORIES MULTIPLES**
[72] BROWN, COLIN, CA
[71] WRNCH, INC., CA
[22] 2019-03-15
[41] 2020-09-15

[21] **3,036,848**
[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01)**
[25] EN
[54] **A WRIST WEARABLE TECHNOLOGY DEVICE THAT PROVIDES ACCURATE, NONINVASIVE AND INSTANTANEOUS ALERTS ON HUMAN DEHYDRATION**
[54] **ACCESSOIRE INTELLIGENT PORTABLE AU POIGNET QUI FOURNIT DES ALERTES PRECISES, NON INVASIVES ET INSTANTANEES SUR LA DESHYDRATATION CHEZ L`HOMME**
[72] BAKER, MORIBA A., CA
[72] BAKER, GISELLE J., CA
[71] BAKER, MORIBA A., CA
[71] BAKER, GISELLE J., CA
[71] HYDRALINX, CA
[22] 2019-03-15
[41] 2020-09-15

[21] **3,036,883**
[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01) B67D 7/58 (2010.01)**
[25] EN
[54] **TOUCH-FREE DOSAGE ADJUSTMENT**
[54] **REGLAGE DE DOSE SANS CONTACT**
[72] OPHARDT, HEINER, CH
[72] JONES, ANDREW, CA
[71] OP-HYGIENE IP GMBH, CH
[22] 2019-03-15
[41] 2020-09-15

[21] **3,036,949**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] EN
[54] **SPENDER INTELLIGENT FINANCIAL ASSISTANT**
[54] **ASSISTANT INTELLIGENT FINANCIER SPLENDER**
[72] PERERA, CHRISTIAN, CA
[71] PERERA, CHRISTIAN, CA
[22] 2019-03-18
[41] 2020-09-18

[21] **3,037,012**
[13] A1
[51] **Int.Cl. G01K 1/14 (2006.01) F24H 1/20 (2006.01) F24H 9/20 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SECURING TEMPERATURE SENSORS ON THE OUTER SURFACE OF A TANK OF AN ELECTRIC WATER HEATER**
[54] **PROCEDE ET SYSTEME DE FIXATION DE CAPTEURS DE TEMPERATURE SUR LA SURFACE EXTERIEURE DU RESERVOIR D`UN CHAUFFE-EAU ELECTRIQUE**
[72] LESAGE, CLAUDE, CA
[71] MICLAU S.R.I. INC., CA
[22] 2019-03-18
[41] 2020-09-18

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[21] **3,037,017**
[13] A1
[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01) F21V 23/00 (2015.01) H02G 3/12 (2006.01)**
[25] EN
[54] **UNIVERSAL LIGHTING PAN WITH QUICK SPLICEBOX CONNECTION**
[54] **PLAFONNIER POUR LUMINAIRE UNIVERSEL AVEC BOITIER D`EPISSURE POUR CONNEXION RAPIDE**
[72] MOMIN, MOHAMED, US
[72] MAJOR, MARK CHARLES, US
[72] SMITH, KIM BROWN, US
[71] ABL IP HOLDING LLC, US
[22] 2019-03-18
[41] 2020-09-18

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[21] **3,037,088**
[13] A1
[51] **Int.Cl. A45D 6/00 (2006.01)**
[25] EN
[54] **HAIR IRON SHEATH**
[54] **GAINE POUR FER A FRISER**
[72] GREEN, VERONICA, CA
[72] GREEN, MICHAEL, CA
[71] GREEN, VERONICA, CA
[71] GREEN, MICHAEL, CA
[22] 2019-03-19
[41] 2020-09-18
[30] US (16357218) 2019-03-18

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[21] **3,037,127**
[13] A1
[51] **Int.Cl. A41D 13/01 (2006.01) A41D 31/10 (2019.01) A41D 1/04 (2006.01)**
[25] EN
[54] **HIGH VISIBILITY WATERPROOF VEST**
[54] **GILET IMPERMEABLE A VISIBILITE ELEVEE**
[72] CARROLL, JAMES, CA
[71] CARROLL, JAMES, CA
[22] 2019-03-19
[41] 2020-09-18
[30] US (16357225) 2019-03-18

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[21] **3,037,159**
[13] A1
[51] **Int.Cl. G01N 27/407 (2006.01)**
[25] EN
[54] **METHANE SENSOR AND METHOD OF MAKING A METHANE SENSOR**
[54] **CAPTEUR DE METHANE ET PROCEDE DE FABRICATION D`UN CAPTEUR DE METHANE**
[72] POPE, MICHAEL, CA
[72] DOSI, MANAN, CA
[71] HANDA, JANAK, CA
[22] 2019-03-19
[41] 2020-09-19

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[21] **3,037,166**
[13] A1
[51] **Int.Cl. B01D 35/02 (2006.01) B01D 35/30 (2006.01)**
[25] EN
[54] **MODULAR UNDERDRAIN SYSTEMS**
[54] **SYSTEME DE DRAIN DE SORTIE MODULAIRE**
[72] FAABORG, RAND S., US
[72] BARBER, CLIFFORD DALE, US
[72] CHRISTIANSON, DARRELL WAYNE, US
[72] BRINK, BRIAN LEO, US
[72] PALLWITZ, SCOTT ALLEN, US
[72] CARPENTER, CHAD ALLEN, US
[71] WESTECH ENGINEERING, INC., US
[22] 2019-03-19
[41] 2020-09-15
[30] US (16/355,655) 2019-03-15

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[21] **3,037,285**
[13] A1
[51] **Int.Cl. F26B 3/28 (2006.01)**
[25] EN
[54] **RB MARK 1 (RADIANT BUOYANT) DEHYDRATION SYSTEM**
[54] **SYSTEME DE DESHYDRATATION DE MARQUE RB 1 (FLOTTABILITE PAR RADIATION)**
[72] WILLS, RUTH ANNE, CA
[72] WILLS, SHINING TREE, CA
[71] WILLS, RUTH ANNE, CA
[71] WILLS, SHINING TREE, CA
[22] 2019-03-19
[41] 2020-09-19

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[21] **3,037,309**
[13] A1
[51] **Int.Cl. B32B 7/02 (2019.01)**
[25] EN
[54] **CRAFTING MAT ASSEMBLY, METHOD FOR UTILIZING THE SAME AND PACKAGING ASSEMBLY**
[54] **ENSEMBLE POUR TAPIS D`ARTISANAT, SON PROCEDE D`UTILISATION ET ENSEMBLE D`EMBALLAGE**
[72] CHEEVER, MITCHELL ALAN, US
[72] BARNEY, KRISTY LYNN, US
[72] ELZEY, JAMES A., US
[71] CRICUT, INC., US
[22] 2019-03-20
[41] 2020-09-19
[30] US (16/358,279) 2019-03-19

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[21] **3,037,335**
[13] A1
[51] **Int.Cl. B25B 27/00 (2006.01) E21B 33/08 (2006.01) F16J 15/18 (2006.01) F16L 55/00 (2006.01)**
[25] EN
[54] **PACKING MATERIAL COMPACTION AND EXTRACTION TOOL**
[54] **OUTIL DE COMPACTAGE ET D`EXTRACTION DE MATERIAU D`EMBALLAGE**
[72] MCADAM, DAVID, CA
[72] TORRES, CONDOR, CA
[71] NATIONAL OILWELL VARCO, L.P., US
[22] 2019-03-20
[41] 2020-09-19
[30] US (16/358,069) 2019-03-19

[21] **3,037,423**
[13] A1
[51] **Int.Cl. G01D 21/00 (2006.01) B65G 51/00 (2006.01) B65G 53/04 (2006.01) G01N 37/00 (2006.01)**
[25] EN
[54] **SENSOR DEVICE AND METHOD OF MAKING THE SAME**
[54] **DISPOSITIF DE DETECTION ET SON PROCEDE DE FABRICATION**
[72] BEZANSON, ANDRE, CA
[72] BROELL, FRANZISKA, CA
[71] BEZANSON, ANDRE, CA
[71] BROELL, FRANZISKA, CA
[22] 2019-03-20
[41] 2020-09-13
[30] US (62/818,050) 2019-03-13
[30] CA (3,036,791) 2019-03-14

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[21] **3,038,091**
[13] A1
[51] **Int.Cl. F16C 1/12 (2006.01) F16P 3/14 (2006.01) G05G 1/04 (2006.01)**
[25] EN
[54] **MECHATRONIC HANDGRIP AND LEVER ASSEMBLY**
[54] **POIGNEE MECATRONIQUE ET LEVIER**
[72] HUISSOON, JAN PAUL, CA
[72] TUNG, JAMES Y., CA
[72] MCCORMICK, ANDREW, CA
[71] HUISSOON, JAN PAUL, CA
[71] TUNG, JAMES Y., CA
[71] MCCORMICK, ANDREW, CA
[22] 2019-03-14
[41] 2020-09-14

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[21] **3,038,201**
[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06F 16/95 (2019.01) G06K 9/18 (2006.01)**
[25] EN
[54] **CONTENT VERIFICATION SYSTEM FOR OPAQUE SEALED CONTAINERS**
[54] **SYSTEME DE VERIFICATION DE CONTENU POUR RECIPIENTS ETANCHES OPAQUES**
[72] FOGARTY, MATTHEW JOHN, US
[71] BLISS DISTRIBUTION INC., US
[22] 2019-03-27
[41] 2020-09-18
[30] US (62/820065) 2019-03-18

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[21] **3,038,215**
[13] A1
[25] EN
[54] **RB MARK 1 (RADIANT BUOYANT) DEHYDRATION SYSTEM**
[54] **SYSTEME DE DESHYDRATATION DE MARQUE RB 1 (FLOTTABILITE PAR RADIATION)**
[72] WILLS, RUTH ANNE, CA
[72] WILLS, SHINING TREE, CA
[71] JOPPA WILLS INC., CA
[22] 2019-03-19
[41] 2020-09-19

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[21] **3,039,412**
[13] A1
[51] **Int.Cl. B62D 25/18 (2006.01)**
[25] EN
[54] **LIVE BOTTOM TRUCK/TRAILER MUD FLAP LIFT SYSTEM**
[54] **SYSTEME DE LEVAGE DE BAVETTE GARDE-BOUE POUR CAMION/REMORQUE A FOND MOBILE**
[72] SMITH, LARRY L., US
[71] SMITH, JEFFREY A., US
[22] 2019-04-08
[41] 2020-09-19
[30] US (16/357,654) 2019-03-19

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[21] **3,041,215**
[13] A1
[51] **Int.Cl. B01F 3/08 (2006.01) B01F 5/08 (2006.01) B01F 7/10 (2006.01) B01F 13/10 (2006.01)**
[25] EN
[54] **EMULSIFICATION SYSTEM**
[54] **SYSTEME D`EMULSIFICATION**
[72] KING, EDWIN EARL, US
[72] BURNS, MICHAEL E., US
[71] COZZINI LLC, US
[22] 2019-04-24
[41] 2020-09-18
[30] US (62/819,961) 2019-03-18

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[21] **3,043,983**
[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 16/903 (2019.01)**
[25] EN
[54] **TAGGING AND AUDITING SENSITIVE INFORMATION IN A DATABASE ENVIRONMENT**
[54] **MARQUAGE ET VERIFICATION DE L`INFORMATION SENSIBLE DANS UN ENVIRONNEMENT DE BASE DE DONNEES**
[72] HOA, KARLOTCHA, US
[72] SCUDERI, CHRISTOPHER JOSEPH, US
[72] KIM, EDWARD, US
[71] ZENPAYROLL, INC., US
[22] 2019-05-21
[41] 2020-09-15
[30] US (16/355,491) 2019-03-15
[30] US (16/355,502) 2019-03-15

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[21] **3,048,439**
[13] A1
[51] **Int.Cl. B41J 2/18 (2006.01)**
[25] EN
[54] **INK-JET PRINTER**
[54] **IMPRIMANTE A JET D`ENCRE**
[72] IZAWA, HIDEO, JP
[72] ITABASHI, WATARU, JP
[72] SUGAHARA, MIZUKI, JP
[71] MIYAKOSHI PRINTING MACHINERY CO., LTD., JP
[22] 2019-07-03
[41] 2020-09-15
[30] JP (2019-048805) 2019-03-15

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[21] **3,050,666**
[13] A1
[51] **Int.Cl. A24F 40/90 (2020.01) A24F 40/40 (2020.01) A24F 40/42 (2020.01) A24F 40/95 (2020.01)**
[25] EN
[54] **PERSONAL VAPORIZER**
[54] **VAPORISATEUR PERSONNEL**
[72] VORA, NIRAVKUMAR, US
[72] PATEL, MITUL, US
[71] FLAIR VAPOR, LLC, US
[22] 2019-07-26
[41] 2020-09-15
[30] US (16/354,855) 2019-03-15

[21] **3,051,044**
[13] A1
[51] **Int.Cl. G06Q 40/08 (2012.01) G06Q 20/20 (2012.01)**
[25] EN
[54] **ELECTRONIC PHARMACY ADJUDICATION SYSTEM AND ASSOCIATED METHOD AND COMPUTER PROGRAM PRODUCT**
[54] **SYSTEME ELECTRONIQUE DE DEMANDE DE REGLEMENT DES PHARMACIES, PROCEDE ASSOCIE ET PROGRAMME INFORMATIQUE**
[72] SIMPSON, MICHAEL, CA
[72] GRIFFIN, CHAD, CA
[71] EXPRESS SCRIPTS CANADA CO., CA
[22] 2019-07-31
[41] 2020-09-14

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[21] **3,058,704**
[13] A1
[51] **Int.Cl. B65D 85/10 (2006.01) A24F 15/02 (2006.01) B65D 25/10 (2006.01) B65D 50/00 (2006.01) B65D 81/05 (2006.01)**
[25] EN
[54] **CHILD RESISTANT AND ADULT FRIENDLY CONTAINER**
[54] **CONTENANT PROTEGE-ENFANT ET FACILE D`EMPLOI POUR LES ADULTES**
[72] MAILE, JONATHAN, CA
[72] EMERY, ERICA, CA
[72] WEAVER, PAUL, CA
[72] LEE, THOMAS, HK
[72] YUEN, STANLEY, HK
[71] CANOPY GROWTH CORPORATION, CA
[22] 2019-10-15
[41] 2020-09-14
[30] US (62/818249) 2019-03-14
[30] US (62/844942) 2019-05-08
[30] US (16/600668) 2019-10-14

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[21] **3,060,460**
[13] A1
[51] **Int.Cl. C10L 10/04 (2006.01) C10L 10/02 (2006.01) B01F 17/34 (2006.01)**
[25] EN
[54] **A DETERGENT APPLIES TO ALL LIQUID FUEL**
[54] **DETERGENT CONVENANT A TOUS LES COMBUSTIBLES LIQUIDES**
[72] WANG, MINGYANG, CN
[72] XU, YUE, CN
[71] DETAI YICHI (TIANJIN) ENVIRONMENTAL TECHNOLOGY LIMITED, CN
[22] 2019-10-29
[41] 2020-09-18
[30] CN (201910203836.4) 2019-03-18

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[21] **3,060,776**
[13] A1
[51] **Int.Cl. G16B 30/00 (2019.01) G16B 20/00 (2019.01) G16B 35/10 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MAPPING AND ANALYZING PROTEIN PHOSPHORYLATION FOR CLINICAL PURPOSES**
[54] **SYSTEME ET PROCEDE DE CARTOGRAPHIE ET D`ANALYSE DE PHOSPHORYLATION DES PROTEINES A DES FINS CLINIQUES**
[72] ALHARBI, IBRAHIM IA, CA
[72] UNKNOWN, XX
[71] ALHARBI, IBRAHIM IA, CA
[22] 2019-11-03
[41] 2020-09-14

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[21] **3,063,108**
[13] A1
[51] **Int.Cl. B05B 9/04 (2006.01) B05B 9/08 (2006.01) B05B 11/00 (2006.01)**
[25] EN
[54] **DUAL CHAMBER BACKPACK SPRAYER**
[54] **PULVERISATEUR A DOS A DEUX CHAMBRES**
[72] ALLIS, MORGAN, US
[72] DUBIEL, DAVID, US
[71] CHAPIN MANUFACTURING, INC., US
[22] 2019-11-28
[41] 2020-09-13
[30] US (16/352,132) 2019-03-13

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[21] **3,063,109**
[13] A1
[51] **Int.Cl. B05B 15/60 (2018.01) B05B 9/04 (2006.01)**
[25] EN
[54] **MODULAR FRAME FOR A BACKPACK SPRAYER**
[54] **CADRE MODULAIRE POUR PULVERISATEUR A DOS**
[72] GUTEKUNST, GREG, US
[72] DUBIEL, DAVID, US
[71] CHAPIN MANUFACTURING, INC., US
[22] 2019-11-28
[41] 2020-09-13
[30] US (16/351,882) 2019-03-13

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[21] **3,063,142**
[13] A1
[51] **Int.Cl. B05B 9/04 (2006.01) B05B 9/08 (2006.01) B05B 11/00 (2006.01)**
[25] EN
[54] **BACKPACK SPRAYER WITH INTERNAL PUMP**
[54] **PULVERISATEUR A DOS MUNI D`UNE POMPE INTERNE**
[72] GUTEKUNST, GREG, US
[72] DUBIEL, DAVID, US
[71] CHAPIN MANUFACTURING, INC., US
[22] 2019-11-28
[41] 2020-09-13
[30] US (16/352,121) 2019-03-13

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[21] **3,063,595**
[13] A1
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[54] **DEGIVRAGE DE LAME**
[72] PICARD, PIERRE ALEX, FR
[72] MOLES, PATRICK, FR
[71] RATIER-FIGEAC SAS, FR
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[41] 2020-09-15
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[54] **METHOD AND SYSTEM OF MOBILE DEVICE SEQUENCING FOR LOCALIZATION**
[54] **PROCEDE ET SYSTEME POUR LOCALISATION D`UN APPAREIL DE SEQUENCAGE MOBILE**
[72] HUBERMAN, SEAN, CA
[71] MAPSTED CORP., CA
[22] 2019-12-12
[41] 2020-09-15
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[54] **AIRCRAFT OVERHEAT DETECTION THROUGH FIBER OPTIC MONITORING OF LIGHT REFLECTANCE CHANGING TEMPERATURE STRIPS**
[54] **DETECTION DE SURCHAUFFE D`AERONEF AU MOYEN DE LA SURVEILLANCE PAR FIBRES OPTIQUES DES BANDES A VARIATION DE TEMPERATURE EN FONCTION DE LA REFLECTANCE A LA LUMIERE**
[72] NORRIS, ROBERT J., US
[71] KIDDE TECHNOLOGIES, INC., US
[22] 2019-12-13
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[54] **INTRAORAL DEVICE AND METHOD OF USING SAME**
[54] **DISPOSITIF INTRABUCCAL ET METHODE D`UTILISATION**
[72] COTE, DAVID, CA
[71] COTE, DAVID, CA
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[54] **DEBARKING MACHINE**
[54] **ECORCEUSE**
[72] ISHIZAWA, SEIYA, JP
[71] FUJI KOGYO CO., LTD., JP
[22] 2020-01-14
[41] 2020-09-19
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[54] **CONNECTEUR DE BORDURE POUR AMENAGEMENT**
[72] AMRINE, PATRICK, US
[72] JAMES, LYLE A., US
[72] MOREY, KEVIN R., US
[71] DIMEX, LLC, US
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[54] **CYSTEINE COMPOSITION AND INJECTION**
[54] **COMPOSITION DE CYSTEINE ET INJECTION**
[72] DANNER, PIERRE, IE
[72] SIMPSON, JILL, IE
[72] SUTTERER, ANGELA, IE
[72] POULIQUEN, GAUTHIER, IE
[72] CONSTANCIS, ALAIN, IE
[71] AVADEL LEGACY PHARMACEUTICALS, LLC, US
[22] 2020-02-03
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[25] EN
[54] **METHOD AND APPARATUS FOR CONTENT-ADAPTIVE FRAME DURATION EXTENSION**
[54] **PROCEDE ET APPAREIL POUR PROLONGATION DE LA LONGUEUR DE TRAME ADAPTATIVE AU CONTENU**
[72] GILADI, ALEXANDER, US
[71] GILADI, ALEXANDER, US
[22] 2020-01-31
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[25] EN
[54] **ALTERING THERMORESPONSIVE GROWTH IN PLANTS VIA GENOME EDITING OF PHYTOCHROME INTERACTING FACTOR 4 (PIF4) REGULATORY ELEMENTS**
[54] **MODIFICATION DE LA CROISSANCE THERMOSENSIBLE CHEZ LES PLANTES PAR EDITION GENOMIQUE D`ELEMENTS REGULATEURS DU FACTEUR 4 INTERAGISSANT AVEC UN PHYTOCHROME (PIF4)**
[72] ZUBIETA, CHLOE, FR
[72] NAYAK, ADITYA, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[22] 2020-02-06
[41] 2020-09-18
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[25] EN
[54] **SUB-SURFACE PATTERNING FOR DIFFRACTION-BASED STRAIN MEASUREMENT AND DAMAGE DETECTION IN STRUCTURES**
[54] **FORMATION DE MOTIFS EN SOUS-SURFACE POUR LA MESURE DES CONTRAINTES PAR DIFFRACTION ET LA DETECTION DE DOMMAGES DES STRUCTURES**
[72] GEORGESON, GARY E., US
[72] GRIESS, KENNETH H., US
[72] KELLER, RUSSELL L., US
[71] THE BOEING COMPANY, US
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[54] **OPERATIONAL FLIGHT ENVELOPE MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE L`ENVELOPPE DE VOL OPERATIONNELLE**
[72] LEOPOLD, DAVID DANIEL, US
[71] THE BOEING COMPANY, US
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[25] EN
[54] **HVAC SYSTEMS WITH EVAPORATOR BYPASS AND SUPPLY AIR RECIRCULATION AND METHODS OF USING SAME**
[54] **SYSTEMES DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION (CVC) AVEC DERIVATION D`EVAPORATION ET RECYCLAGE D`AIR SOUFFLE ET LEURS PROCEDES D`UTILISATION**
[72] GOEL, RAKESH, US
[72] SATHYAMURTHI, VIJAY, US
[71] LENNOX INDUSTRIES INC., US
[22] 2020-02-19
[41] 2020-09-18
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[51] **Int.Cl. A01C 7/08 (2006.01)**
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[54] **FLEXIBLE CONDUIT FOR AN AGRICULTURAL SYSTEM**
[54] **CONDUIT FLEXIBLE POUR SYSTEME AGRICOLE**
[72] THOMPSON, DENNIS, CA
[72] GADZELLA, GERARD JAMES, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2020-02-19
[41] 2020-09-18
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[54] **IMPELLER TIP CAVITY**
[54] **CAVITE DE POINTE DE ROUE A AUBES**
[72] DUONG, HIEN, CA
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-18
[41] 2020-09-15
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[54] **OFFSET BLOCK WAVEGUIDE COUPLER**
[54] **BRIDE DE GUIDE D`ONDES A BLOCS DE DECALAGE**
[72] HASHEMI-YEGANEH, SHADROKH, US
[72] MILROY, WILLIAM W., US
[71] THINKOM SOLUTIONS, INC., US
[22] 2020-02-24
[41] 2020-09-15
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[51] **Int.Cl. F16F 15/173 (2006.01) F01D 25/04 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16C 27/00 (2006.01) F16F 9/10 (2006.01) F16F 9/32 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM TO SUPPLY OIL TO A MULTI-FILM OIL DAMPER**
[54] **PROCEDE ET SYSTEME D`ALIMENTATION EN HUILE D`UN CLAPET D`ETRANGLEMENT A HUILE MULTI-FILM**
[72] VEITCH, THOMAS, CA
[72] BEAMISH, DAVE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-20
[41] 2020-09-18
[30] US (16/355,972) 2019-03-18

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[51] **Int.Cl. B31B 50/59 (2017.01) B31B 70/00 (2017.01) B32B 29/00 (2006.01) B65B 11/48 (2006.01) B65B 25/00 (2006.01) B65D 81/00 (2006.01)**
[25] EN
[54] **COMPOSTABLE AND ENVIRONMENTALLY FRIENDLY PACKAGING FOR A FROZEN PRODUCT**
[54] **EMBALLAGE COMPOSTABLE ET ECOLOGIQUE POUR UN PRODUIT CONGELE**
[72] BUSCHMANN, URBAN, DE
[71] FROSTA AKTIENGESELLSCHAFT, DE
[22] 2020-02-24
[41] 2020-09-13
[30] DE (20 2019 101 435.0) 2019-03-13
[30] EP (19186255.6) 2019-07-15

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[25] EN
[54] **CONSENSUS BUILDING AMONG NETWORKED DEVICES FOR RECREATIONAL VEHICLE SAFETY SYSTEMS**
[54] **CONSENSUS ENTRE APPAREILS EN RESEAU POUR SYSTEMES DE SECURITE DE VEHICULE RECREATIF**
[72] MANFREDA, JOHN PETER, US
[72] DIPERNA, ANTHONY J., US
[72] HARRIS, AARON ROBERTSON, US
[72] COLLIN, MATTHEW ALLEN, US
[71] LIPPERT COMPONENTS, INC., US
[22] 2020-02-24
[41] 2020-09-14
[30] US (62/818,392) 2019-03-14
[30] US (16/795,802) 2020-02-20

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[51] **Int.Cl. F16F 15/173 (2006.01) F01D 25/04 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16C 27/00 (2006.01) F16F 9/10 (2006.01) F16F 9/32 (2006.01)**
[25] EN
[54] **MULTI-FILM OIL DAMPER WITH TAPERED DAMPER RINGS**
[54] **CLAPET D`ETRANGLEMENT A HUILE MULTI-FILM AVEC ANNEAUX D`AMORTISSEMENT CONIQUES**
[72] VEITCH, THOMAS, CA
[72] BEAMISH, DAVE, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2020-02-24
[41] 2020-09-18
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[51] **Int.Cl. A47B 81/00 (2006.01) A47B 61/00 (2006.01) A47B 61/04 (2006.01) A47F 7/08 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE FOOTWEAR RACK**
[54] **SUPPORT DE CHAUSSURES ADAPTABLE**
[72] LANGNER, MARNA, CA
[71] LANGNER, MARNA, CA
[22] 2020-02-25
[41] 2020-09-18
[30] US (16/356,929) 2019-03-18

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[51] **Int.Cl. A01B 73/04 (2006.01) A01B 59/042 (2006.01) A01D 34/00 (2006.01) A01D 75/00 (2006.01)**
[25] FR
[54] **AGRICULTURAL MACHINE AND PROCESS FOR FOLDING AN AGRICULTURAL MACHINE**
[54] **MACHINE AGRICOLE ET PROCEDE DE PLIAGE D'UNE MACHINE AGRICOLE**
[72] HUSSON, GEOFFROY, US
[71] KUHN S.A., FR
[22] 2020-02-26
[41] 2020-09-13
[30] FR (19 02 561) 2019-03-13

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[51] **Int.Cl. A01B 73/04 (2006.01) A01B 59/042 (2006.01) A01D 34/00 (2006.01) A01D 75/00 (2006.01)**
[25] FR
[54] **AGRICULTURAL MACHINE EQUIPPED WITH A BREAKDOWN STRAP**
[54] **MACHINE AGRICOLE EQUIPEE D'UN TIRANT DE REPARTITION**
[72] HUSSON, GEOFFROY, FR
[71] KUHN S.A., FR
[22] 2020-02-26
[41] 2020-09-13
[30] FR (19 02 566) 2019-03-13

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[51] **Int.Cl. E02F 3/96 (2006.01) E02F 3/36 (2006.01)**
[25] EN
[54] **ADAPTER FOR A QUICK-CHANGE SYSTEM AND QUICK-CHANGE SYSTEM HAVING SUCH AN ADAPTER**
[54] **ADAPTATEUR POUR SYSTEME A CHANGEMENT RAPIDE ET SYSTEME A CHANGEMENT RAPIDE DOTE D`UN TEL ADAPTATEUR**
[72] SIEBER, JOHANNES, DE
[72] KOLLMANN, MICHAEL, DE
[71] OILQUICK DEUTSCHLAND GMBH, DE
[22] 2020-02-26
[41] 2020-09-18
[30] DE (10 2019 106 850.9) 2019-03-18

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[51] **Int.Cl. B60K 6/00 (2007.10) B60K 11/02 (2006.01)**
[25] EN
[54] **ELECTRIC VEHICLE POWERTRAIN**
[54] **GROUPE MOTOPROPULSEUR DE VEHICULE ELECTRIQUE**
[72] OURY, ROBERT F., JR., US
[72] SIMONINI, MATTHEW D., US
[71] PROTERRA INC., US
[22] 2020-03-03
[41] 2020-09-14
[30] US (16/353,244) 2019-03-14

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[51] **Int.Cl. A23K 20/147 (2016.01) A23K 50/10 (2016.01) A23C 11/06 (2006.01)**
[25] EN
[54] **MILK REPLACERS THAT INCLUDE TEXTURED SOY PROTEIN AND METHODS OF FEEDING THE SAME**
[54] **ALIMENTS D`ALLAITEMENT COMPRENANT UNE PROTEINE DE SOJA TEXTUREE ET METHODES D`ALIMENTATION DE CEUX-CI**
[72] MUSSER, ROBERT C., US
[72] EARLEYWINE, THOMAS, US
[71] PURINA ANIMAL NUTRITION LLC, US
[22] 2020-03-03
[41] 2020-09-19
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[51] **Int.Cl. A61B 17/072 (2006.01) A61B 17/068 (2006.01)**
[25] EN
[54] **SURGICAL STAPLER ANVIL WITH DIRECTIONALLY BIASED STAPLE POCKETS**
[54] **ENCLUME POUR AGRAFEUSE CHIRURGICALE AVEC POCHES D`AGRAFES SOLLICITEES DE MANIERE DIRECTIONNELLE**
[72] WHITFIELD, KENNETH, US
[72] FERNANDES, ROANIT, IN
[72] GADDY, ANTHONY, US
[71] COVIDIEN LP, US
[22] 2020-03-04
[41] 2020-09-13
[30] US (62/817,854) 2019-03-13
[30] US (16/788,669) 2020-02-12

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[51] **Int.Cl. B32B 3/24 (2006.01) B32B 5/26 (2006.01) B32B 5/32 (2006.01) B32B 7/12 (2006.01) E04B 9/04 (2006.01) E04C 2/24 (2006.01)**
[25] EN
[54] **DIMENSIONALLY STABLE BUILDING PANEL**
[54] **PANNEAU DE CONSTRUCTION CONSTANT SUR LE PLAN DIMENSIONNEL**
[72] BISCHEL, MARSHA S., US
[72] CHANG, YING, US
[71] ARMSTRONG WORLD INDUSTRIES, INC., US
[22] 2020-03-05
[41] 2020-09-13
[30] US (62/817,847) 2019-03-13

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[51] **Int.Cl. E05F 15/668 (2015.01)**
[25] EN
[54] **SLACK CABLE DETECTION IN MOVABLE BARRIER OPENER SYSTEMS**
[54] **DETECTION DE CABLE MOU DANS DES SYSTEMES D`OUVERTURE DE BARRIERE MOBILES**
[72] BUESCHER, BRENT, US
[71] GMI HOLDINGS, INC., US
[22] 2020-03-05
[41] 2020-09-14
[30] US (62/818,354) 2019-03-14
[30] US (16/392,214) 2019-04-23

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[13] A1
[51] **Int.Cl. C22F 1/10 (2006.01) C22C 19/03 (2006.01)**
[25] EN
[54] **THERMALLY STABILIZED NICKEL-COBALT MATERIALS AND METHODS OF THERMALLY STABILIZING THE SAME**
[54] **MATERIAUX D`ALLIAGE NICKEL-COBALT THERMIQUEMENT STABILISES ET PROCEDES DE STABILISATION THERMIQUE DE CEUX-CI**
[72] TAJIRI, GORDON, US
[72] PHELPS, EMILY MARIE, US
[72] SCHMITT, JOSEPH RICHARD, US
[72] KRISHNAN, LAKSHMI, US
[72] JONNALAGADDA, DATTU GURU VENKATA, IN
[72] SHIPLEY, GARY STEPHEN, US
[72] DVORAK, ASHLEY ROSE, US
[71] UNISON INDUSTRIES, LLC, US
[22] 2020-03-04
[41] 2020-09-14
[30] US (62/818,270) 2019-03-14
[30] US (16/794,438) 2020-02-19

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[51] **Int.Cl. H01Q 5/392 (2015.01) H01Q 1/38 (2006.01) H01Q 1/42 (2006.01) H01Q 7/04 (2006.01) H01Q 9/26 (2006.01)**
[25] EN
[54] **ANTENNA WITH PARASITIC ELEMENTS**
[54] **ANTENNE A ELEMENTS NON ALIMENTES**
[72] JANG, TAEHEE, US
[72] ASHWORTH, CHRISTOPHER KEN, US
[72] RUHMAN, BROOKS STEPHEN, US
[71] WILSON ELECTRONICS, LLC., US
[22] 2020-03-05
[41] 2020-09-19
[30] US (62/820,713) 2019-03-19
[30] US (16/805,503) 2020-02-28

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[51] **Int.Cl. B67D 7/30 (2010.01) A47K 5/12 (2006.01)**
[25] EN
[54] **TOUCH-FREE DOSAGE ADJUSTMENT**
[54] **REGLAGE DE DOSE SANS CONTACT**
[72] OPHARDT, HEINER, CH
[72] JONES, ANDREW, CA
[72] GARRY, JOHN, CA
[71] OP-HYGIENE IP GMBH, CH
[22] 2020-03-06
[41] 2020-09-15
[30] CA (3036883) 2019-03-15

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[13] A1
[51] **Int.Cl. H04W 88/08 (2009.01) H04W 80/00 (2009.01) H04W 4/44 (2018.01) B60M 1/12 (2006.01) B60M 1/20 (2006.01) B61K 13/00 (2006.01)**
[25] EN
[54] **ELECTRIC TRAIN SYSTEM WITH INTEGRATED COMMUNICATION SYSTEM**
[54] **SYSTEME DE TRAIN ELECTRIQUE AVEC SYSTEME DE COMMUNICATION INTEGRE**
[72] KARLSSON, MATS, SE
[72] EKLUND, PETER, SE
[71] ICOMERA AB, SE
[22] 2020-03-06
[41] 2020-09-15
[30] SE (1950325-9) 2019-03-15

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[13] A1
[51] **Int.Cl. B60L 53/60 (2019.01) B60L 53/67 (2019.01)**
[25] EN
[54] **CHARGING SYSTEM FOR ELECTRIC VEHICLES**
[54] **CIRCUIT DE CHARGE POUR VEHICULES ELECTRIQUES**
[72] CASHDOLLAR, HAYLEY, US
[72] GRACE, DUSTIN, US
[71] PROTERRA INC., US
[22] 2020-03-06
[41] 2020-09-15
[30] US (62/818,884) 2019-03-15

[21] **3,074,856**
[13] A1
[51] **Int.Cl. G06Q 40/02 (2012.01) H04W 4/14 (2009.01) H04W 4/50 (2018.01) G06F 16/903 (2019.01) G06F 40/103 (2020.01) G06F 40/174 (2020.01) G06K 9/18 (2006.01)**
[25] EN
[54] **A CAPTURABLE CODE FOR AUTOMATICALLY FORMATTING AND ADDRESSING A TEXT MESSAGE TO APPLY FOR AN OFFER**
[54] **CODE POUVANT ETRE SAISI POUR FORMATER ET TRANSMETTRE AUTOMATIQUEMENT UN MESSAGE TEXTUEL APPLICABLE A UNE OFFRE**
[72] ANDERSON, CHRIS, US
[72] TAMMINA, MANOJ RAM, US
[72] LAWRENCE, JESS, US
[71] COMENITY LLC, US
[22] 2020-03-06
[41] 2020-09-13
[30] US (62/818,038) 2019-03-13
[30] US (16/684461) 2019-11-14

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[13] A1
[51] **Int.Cl. H04B 7/155 (2006.01) H04W 16/28 (2009.01) H04W 40/22 (2009.01) H04B 7/0413 (2017.01) H01Q 1/22 (2006.01) H01Q 3/26 (2006.01) H01Q 9/04 (2006.01) H01Q 21/06 (2006.01) H01Q 25/00 (2006.01)**
[25] EN
[54] **WIRELESS COMMUNICATION SYSTEM FOR GROUND BASED VEHICLES**
[54] **SYSTEME DE COMMUNICATION SANS FIL POUR VEHICULES AU SOL**
[72] KARLSSON, MATS, SE
[72] REINHAGEN, RIKARD, SE
[71] ICOMERA AB, SE
[22] 2020-03-09
[41] 2020-09-15
[30] SE (1950326-7) 2019-03-15

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[13] A1
[51] **Int.Cl. G01V 1/40 (2006.01) E21B 47/107 (2012.01) E21B 47/14 (2006.01)**
[25] EN
[54] **COMPRESSING ULTRASOUND DATA IN A DOWNHOLE TOOL**
[54] **COMPRESSION DE DONNEES ULTRASONORES DANS UN OUTIL DE FOND DE PUITS**
[72] WRINCH, STEVE, CA
[71] DARKVISION TECHNOLOGIES INC, CA
[22] 2020-03-09
[41] 2020-09-14
[30] GB (GB1903525.2) 2019-03-14

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[13] A1
[51] **Int.Cl. B65G 65/46 (2006.01) B65G 69/08 (2006.01)**
[25] EN
[54] **GRAIN BIN POWERSWEEP WITH SWEEP CONVEYOR END WHEEL**
[54] **BALAYAGE MECANIQUE DE CELLULE A GRAINS AVEC ROUE D`EXTREMITE DE TRANSPORTEUR A BALAYAGE**
[72] GUTWEIN, ADAM K., US
[72] DINGELDEIN, MARK S., US
[72] WALKER, JEFFREY E., US
[71] CTB, INC., US
[22] 2020-03-10
[41] 2020-09-14
[30] US (16/810,699) 2020-03-05
[30] US (62/818,287) 2019-03-14

[21] **3,075,043**
[13] A1
[51] **Int.Cl. B65G 65/46 (2006.01) B65G 69/08 (2006.01)**
[25] EN
[54] **POWERSWEEP INCLUDING GEARBOX SHIFTER MECHANISM**
[54] **BALAYAGE MECANIQUE COMPRENANT UN MECANISME DE CHANGEMENT DE VITESSE POUR BOITE DE VITESSES**
[72] WALKER, JEFFREY E., US
[72] GUTWEIN, ADAM K., US
[72] DINGELDEIN, MARK S., US
[71] CTB, INC., US
[22] 2020-03-10
[41] 2020-09-14
[30] US (16/810,711) 2020-03-05
[30] US (62/818,307) 2019-03-14

[21] **3,075,045**
[13] A1
[51] **Int.Cl. A01F 25/20 (2006.01) A01F 25/18 (2006.01) B65D 88/28 (2006.01) B65D 88/64 (2006.01) B65G 65/46 (2006.01)**
[25] EN
[54] **GRAIN BIN POWERSWEEP WITH SUMP SHAFT APERATURE SEALING COVER PLATE ASSEMBLY**
[54] **BALAYAGE MECANIQUE DE CELLULE A GRAINS AVEC ENSEMBLE DE PLAQUES-COUVERCLES D`ETANCHEITE D`OUVERTURE DE CARTER DE L`ARBRE**
[72] WALKER, JEFFREY E., US
[72] GUTWEIN, ADAM K., US
[72] DINGELDEIN, MARK S., US
[71] CTB, INC., US
[22] 2020-03-10
[41] 2020-09-14
[30] US (16/810,723) 2020-03-05
[30] US (62/818,323) 2019-03-14

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[21] **3,075,058**
[13] A1
[51] **Int.Cl. A61B 17/068 (2006.01)**
[25] EN
[54] **TOOL ASSEMBLIES WITH A GAP LOCKING MEMBER**
[54] **OUTILS DE MONTAGE DOTES D`UN ELEMENT DE VERROUILLAGE D`ECART**
[72] GEORGE, SABASTIAN K., IN
[72] CHIRUVOLU, MOHAN T., IN
[71] COVIDIEN LP, US
[22] 2020-03-10
[41] 2020-09-13
[30] US (62/817,807) 2019-03-13
[30] US (16/789,746) 2020-02-13

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[13] A1
[51] **Int.Cl. F24H 9/00 (2006.01) A47B 81/00 (2006.01) E04F 19/08 (2006.01)**
[25] EN
[54] **WALL SLEEVE**
[54] **MANCHON MURAL**
[72] FABRIZIO, EDWARD V., US
[71] CHRONOMITE LABORATORIES, INC., US
[22] 2020-03-10
[41] 2020-09-18
[30] US (16/356432) 2019-03-18

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[21] **3,075,066**
[13] A1
[51] **Int.Cl. B08B 9/035 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CLEANING A PRESSURIZED PIPE**
[54] **SYSTEMES ET PROCEDES DE NETTOYAGE DE TUYAU SOUS PRESSION**
[72] VAZZANA, CHRISTOPHER C., US
[72] NELSON, ANDREW J., US
[72] GEPPERT, CULLEN, US
[71] HYDRA-STOP LLC, US
[22] 2020-03-10
[41] 2020-09-14
[30] US (62/818,531) 2019-03-14

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[13] A1
[51] **Int.Cl. F16L 55/46 (2006.01) F16L 55/28 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROTECTING A TETHER LINE DISPOSED IN A PRESSURIZED PIPE**
[54] **SYSTEMES ET METHODES POUR LA PROTECTION D`UN CABLE DE RETENUE PLACEE DANS UN TUYAU SOUS PRESSION**
[72] VAZZANA, CHRISTOPHER C., US
[72] NELSON, ANDREW J., US
[72] GEPPERT, CULLEN, US
[72] CHOI, ARIEL, US
[72] RUSH, ATTICUS D., US
[71] HYDRA-STOP LLC, US
[22] 2020-03-10
[41] 2020-09-14
[30] US (62/818,521) 2019-03-14

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[21] **3,075,100**
[13] A1
[51] **Int.Cl. A47J 47/00 (2006.01)**
[25] EN
[54] **FOOD CUTTING AND PREPARATION SURFACE WITH ANTIMICROBIAL AND ANTI-SLIP PEGS**
[54] **SURFACE DE COUPE ET DE PREPARATION D`ALIMENTS AVEC CHEVILLES ANTIMICROBIENNES ET ANTIDERAPANTES**
[72] BERNDT, LAWRENCE, US
[71] BERNDT, LAWRENCE, US
[22] 2020-03-11
[41] 2020-09-15
[30] US (16/354,425) 2019-03-15

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[13] A1
[51] **Int.Cl. B29C 48/25 (2019.01) B29C 48/09 (2019.01) B29C 48/885 (2019.01)**
[25] EN
[54] **PVDF PIPE AND METHODS OF MAKING AND USING SAME**
[54] **TUBE EN POLYFLUORURE DE VINYLIDENE (PVDF) ET PROCEDES DE FABRICATION ET D`UTILISATION DE CELUI-CI**
[72] LONG, HAROLD W., III, US
[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US
[22] 2020-03-11
[41] 2020-09-13
[30] US (62/817731) 2019-03-13

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[21] **3,075,121**
[13] A1
[51] **Int.Cl. B60N 2/28 (2006.01) B62B 9/28 (2006.01)**
[25] EN
[54] **CHILD SAFETY SEAT**
[54] **SIEGE DE SECURITE POUR ENFANT**
[72] STACEY, ANGELA M., CA
[71] BRITAX CHILD SAFETY, INC., US
[22] 2020-03-11
[41] 2020-09-13
[30] US (62/817,715) 2019-03-13

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[21] **3,075,130**
[13] A1
[51] **Int.Cl. F16B 5/07 (2006.01) E04B 1/38 (2006.01) F16B 1/00 (2006.01)**
[25] EN
[54] **FRICTION PLATE FOR A TIMBER JOINT**
[54] **PLAQUE DE FRICTION POUR UN ASSEMBLAGE DE BOIS**
[72] CERA, UDO, DE
[71] ADOLF WURTH GMBH & CO. KG, DE
[22] 2020-03-11
[41] 2020-09-15
[30] DE (DE 10 2019 106 602.6) 2019-03-15

[21] **3,075,133**
[13] A1
[51] **Int.Cl. B63H 25/38 (2006.01) F16C 41/00 (2006.01)**
[25] EN
[54] **RUDDER FOR WATERCRAFT WITH A BEARING CLEARANCE MEASURING DEVICE, METHOD FOR MEASUREMENT OF A BEARING CLEARANCE IN A RUDDER AND BEARING CLEARANCE MEASURING DEVICE FOR A RUDDER**
[54] **GOUVERNAIL POUR BATEAU DOTE D`UN DISPOSITIF DE MESURE DE JEU DE COUSSINET, PROCEDE DE MESURE D`UN JEU DE COUSSINET DANS UN GOUVERNAIL ET DISPOSITIF DE MESURE DE JEU DE COUSSINET POUR UN GOUVERNAIL**
[72] KUHLMANN, HENNING, DE
[71] BECKER MARINE SYSTEMS GMBH & CO. KG, DE
[22] 2020-03-11
[41] 2020-09-13
[30] EP (19162575.5) 2019-03-13
[30] EP (20160036.8) 2020-02-28

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[13] A1
[51] **Int.Cl. G01C 21/00 (2006.01) G05D 1/02 (2020.01)**
[25] EN
[54] **TERRAIN TRAFICABILITY ASSESMENT FOR AUTONOMOUS OR SEMI-AUTONOMOUS ROVER OR VEHICLE**
[54] **EVALUATION DE LA TRAFICABILITE DU TERRAIN POUR ROVER OU VEHICULE AUTONOME OU SEMI-AUTONOME**
[72] REID, EWAN, CA
[72] FARAGALLI, MICHELE, CA
[71] MISSION CONTROL SPACE SERVICES INC., CA
[22] 2020-03-11
[41] 2020-09-15
[30] US (62/818,881) 2019-03-15

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[13] A1
[51] **Int.Cl. G01S 19/24 (2010.01)**
[25] EN
[54] **METHOD FOR CHECKING THE INTEGRITY OF A SATELLITE RADIONAVIGATIONAL SIGNAL**
[54] **PROCEDE DE VERIFICATION DE L`INTEGRITE D`UN SIGNAL DE RADIONAVIGATION PAR SATELLITE**
[72] MARTIN, NICOLAS, FR
[72] MILLWOOD, DANIEL, FR
[72] ROLLET, STEPHANE, FR
[71] THALES, FR
[22] 2020-03-12
[41] 2020-09-14
[30] FR (1902597) 2019-03-14

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[13] A1
[51] **Int.Cl. B23D 47/02 (2006.01) B23D 59/00 (2006.01) B23Q 3/02 (2006.01)**
[25] EN
[54] **TRACK SAW SYSTEM**
[54] **SYSTEME DE SCIE SUR RAILS**
[72] CHEATHAM, REID, US
[72] VAN BERGEN, JONATHAN R., US
[72] GROVES, JEFFREY, US
[71] TECHTRONIC CORDLESS GP, US
[22] 2020-03-12
[41] 2020-09-14
[30] US (62/818,405) 2019-03-14
[30] US (62/942,373) 2019-12-02

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[13] A1
[51] **Int.Cl. E21B 34/06 (2006.01) E21B 43/12 (2006.01) F04C 2/107 (2006.01) F04C 14/28 (2006.01)**
[25] EN
[54] **PROGRESSIVE CAVITY PUMP AND METHODS FOR USING THE SAME**
[54] **POMPE A ROTOR HELICOIDAL EXCENTRE ET SON PROCEDE DE FONCTIONNEMENT**
[72] COTE, BRENNON L., CA
[71] ARTIFICIAL LIFT PRODUCTION INTERNATIONAL CORP., CA
[22] 2020-03-12
[41] 2020-09-15
[30] US (62819137) 2019-03-15

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[13] A1
[51] **Int.Cl. H04B 1/3888 (2015.01) H04W 88/02 (2009.01) A45C 11/00 (2006.01) A45F 5/00 (2006.01)**
[25] EN
[54] **CELLULAR PHONE CASING AND CASING ACCESSORY HAVING A MEANS FOR HOL DING BY WAY OF A COMPLIANT MECHANISM**
[54] **BOITIER DE TELEPHONE CELLULAIRE ET ACCESSOIRE POUR BOITIER COMPRENANT UN DISPOSITIF DE RETENUE SOUS FORME D`UN MECANISME SOUPLE**
[72] FLEURY, MICHEL, CA
[71] FLEURY, MICHEL, CA
[22] 2020-03-12
[41] 2020-09-19
[30] GB (1903761.3) 2019-03-19

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[13] A1
[51] **Int.Cl. F16B 5/02 (2006.01) F16B 43/00 (2006.01)**
[25] EN
[54] **TOLERANCE COMPENSATOR**
[54] **COMPENSATEUR DE TOLERANCE**
[72] BOS, JEREMY, CA
[71] MAGNESIUM PRODUCTS OF AMERICA, INC., US
[22] 2020-03-12
[41] 2020-09-15
[30] US (62/818,978) 2019-03-15

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[13] A1
[51] **Int.Cl. E01B 31/17 (2006.01)**
[25] FR
[54] **GRINDING DEVICE FOR THE PROFILING OF A RAIL OF A RAILWAY TRACK**
[54] **MACHINE DE MEULAGE DU PROFILE DES RAILS D'UNE VOIE DE CHEMIN DE FER**
[72] FERNANDES, CARLOS, FR
[72] ARAVINDAKSHAN, GERALD, FR
[72] TABTE, AHMID, FR
[71] GEISMAR ALPES, FR
[22] 2020-03-13
[41] 2020-09-15
[30] FR (19 02 717) 2019-03-15

[21] **3,075,535**
[13] A1
[51] **Int.Cl. B65D 19/38 (2006.01) B65D 21/00 (2006.01) B65D 43/02 (2006.01) B65D 67/00 (2006.01)**
[25] EN
[54] **TOP CAP**
[54] **COIFFE SUPERIEURE**
[72] THOMPSON, BENJAMIN J., US
[71] ORBIS CORPORATION, US
[22] 2020-03-12
[41] 2020-09-13
[30] US (62/817.692) 2019-03-13
[30] US (16/814.195) 2020-03-10

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[13] A1
[51] **Int.Cl. H04N 21/2747 (2011.01) H04N 21/433 (2011.01) H04N 21/441 (2011.01) H04N 19/186 (2014.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MANAGING CONTENT ITEMS**
[54] **SYSTEMES ET PROCEDES DE GESTION D`ITEMS DE CONTENU**
[72] BAY, DOUGLAS, US
[72] LEACH, DAVID, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-03-13
[41] 2020-09-15
[30] US (16/355,323) 2019-03-15

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[13] A1
[51] **Int.Cl. A01G 9/24 (2006.01)**
[25] EN
[54] **WATER VAPOR INSULATION SYSTEM**
[54] **SYSTEME D`ISOLATION DE VAPEUR D`EAU**
[72] DOCK, JAMES EARL, US
[71] DOCK, JAMES EARL, US
[22] 2020-03-16
[41] 2020-09-14
[30] US (62/818,590) 2019-03-14

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[13] A1
[51] **Int.Cl. G06T 7/00 (2017.01) G06T 7/70 (2017.01) F41G 1/00 (2006.01) G06T 3/20 (2006.01) G06T 11/60 (2006.01) G08B 13/196 (2006.01) H04N 5/33 (2006.01) H04N 5/335 (2011.01)**
[25] EN
[54] **AN IMAGE PROCESSING ARRANGEMENT**
[54] **DISPOSITIF DE TRAITEMENT D`IMAGES**
[72] JOHNSON, JOEL R., US
[72] HAVOLA, JAAKKO, FI
[71] SAVOX COMMUNICATIONS OY AB (LTD), FI
[22] 2020-03-13
[41] 2020-09-15
[30] US (16/355,480) 2019-03-15

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[13] A1
[51] **Int.Cl. B23B 47/04 (2006.01)**
[25] EN
[54] **POWER TOOL**
[54] **OUTIL ELECTRIQUE**
[72] MA, LI GUO, CN
[72] ZHANG, QING FENG, CN
[72] YANG, JUN DA, CN
[71] TECHTRONIC CORDLESS GP, US
[22] 2020-03-13
[41] 2020-09-14
[30] CN (201920321993.0) 2019-03-14

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[13] A1
[51] **Int.Cl. E03F 5/04 (2006.01)**
[25] EN
[54] **LIGATURE RESISTANT FLOOR DRAIN AND GRATE**
[54] **SIPHON ET GRILLE DE SOL RESISTANT A LA LIGATURE**
[72] BOELTL, DARRYL M., US
[71] ACORN ENGINEERING COMPANY, US
[22] 2020-03-13
[41] 2020-09-15
[30] US (62/819300) 2019-03-15

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[13] A1
[51] **Int.Cl. B65D 83/76 (2006.01) A61M 15/00 (2006.01)**
[25] EN
[54] **CONCENTRATE DISPENSER**
[54] **DISTRIBUTEUR DE CONCENTRE**
[72] JONES, MARK, CA
[72] STEWART, ANDREW, CA
[72] TOLLS, COLIN, CA
[72] VERMETTE, YAN, CA
[71] CANOPY GROWTH CORPORATION, CA
[22] 2020-03-13
[41] 2020-09-14
[30] US (62/818257) 2019-03-14
[30] US (62/851152) 2019-05-22

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[21] **3,075,757**
[13] A1
[51] **Int.Cl. H04L 9/00 (2006.01) H04L 29/06 (2006.01)**
[25] EN
[54] **METHOD AND TRANSMISSION APPARATUS FOR TRANSMITTING DATA BETWEEN TWO NETWORKS**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION POUR LA TRANSMISSION DE DONNEES ENTRE DEUX RESEAUX**
[72] BAUER, CHRISTIAN, DE
[72] FALK, RAINER, DE
[72] SEIFERT, MATTHIAS, DE
[72] WIMMER, MARTIN, DE
[71] SIEMENS MOBILITY GMBH, DE
[22] 2020-03-16
[41] 2020-09-19
[30] EP (EP19163812.1) 2019-03-19

[21] **3,075,763**
[13] A1
[51] **Int.Cl. G01M 13/00 (2019.01) H04W 4/12 (2009.01) H04W 76/14 (2018.01) B60N 2/50 (2006.01) F16F 9/50 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR LOGGING ISOLATOR PERFORMANCE DATA**
[54] **SYSTEMES ET PROCEDES DE COLLECTE DE DONNEES SUR LES PERFORMANCES DE L`ISOLATEUR**
[72] CHARBONEAU, DANIEL BENNETT, CA
[72] LESLIE, MICHAEL JAMES, CA
[72] LITTLE, JARRETT OWEN, CA
[72] MAGYAR, ROBERT STANFORD, CA
[72] REES, TIMOTHY, CA
[72] FOSTER, MARK LEIGHTON, CA
[72] PEEREBOOM, DARYL PETER, CA
[72] CAO, RUILIN, CA
[71] CDG COAST DYNAMICS GROUP LTD., CA
[22] 2020-03-13
[41] 2020-09-15
[30] US (62/819202) 2019-03-15

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[21] **3,075,786**
[13] A1
[51] **Int.Cl. G01C 21/08 (2006.01) G01C 25/00 (2006.01)**
[25] FR
[54] **METHOD FOR ESTIMATING HARMONIZATION VALUES FOR A MAGNETOMETER INSTALLED ON MOBILE EQUIPMENT, AND ASSOCIATED DEVICE AND COMPUTER PROGRAM**
[54] **PROCEDE D'ESTIMATION DES VALEURS D'HARMONISATION D'UN MAGNETOMETRE INSTALLE DANS UN ENGIN MOBILE, DISPOSITIF ET PROGRAMME D'ORDINATEUR ASSOCIES**
[72] BOURLAND, JEAN-CLAUDE, FR
[72] SAHLIGER, FREDERIC, FR
[71] THALES, FR
[22] 2020-03-13
[41] 2020-09-18
[30] FR (1902754) 2019-03-18

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[13] A1
[51] **Int.Cl. B65D 33/34 (2006.01)**
[25] EN
[54] **TAMPER-EVIDENT INSULATED BAG**
[54] **SAC A ISOLATION THERMIQUE INVIOLABLE**
[72] REILLY, BILL, CA
[72] JOHNSON, SCOTT, CA
[72] SUGDEN, STEVE, CA
[71] GENPAK FLEXIBLE L.P., CA
[22] 2020-03-13
[41] 2020-09-15
[30] US (62/818294) 2019-03-15

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[21] **3,075,824**
[13] A1
[51] **Int.Cl. E04B 2/88 (2006.01)**
[25] EN
[54] **THERMALLY SEPARATED COMPOSITE PANEL ASSEMBLY**
[54] **ASSEMBLAGE DE PANNEAUX COMPOSITES A COUPURE THERMIQUE**
[72] STRICKLAND, MICHAEL R., CA
[71] INVENT TO BUILD INC., CA
[22] 2020-03-16
[41] 2020-09-15
[30] US (62/819,278) 2019-03-15

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[13] A1
[51] **Int.Cl. E02F 3/36 (2006.01) E02F 3/42 (2006.01)**
[25] EN
[54] **SUPPORT SYSTEM FOR HOIST SYSTEM**
[54] **SYSTEME SUPPORT POUR MONTE-CHARGE**
[72] BUCHHOLZ, BRENT, US
[72] WIRKUS, JOSEPH J., US
[72] WEBSTER, JONATHAN, US
[72] COLWELL, JOSEPH, US
[71] JOY GLOBAL SURFACE MINING INC, US
[22] 2020-03-16
[41] 2020-09-15
[30] US (62/819,238) 2019-03-15

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[13] A1
[51] **Int.Cl. G01S 13/935 (2020.01) G01S 17/933 (2020.01) B64D 45/04 (2006.01) G01C 23/00 (2006.01)**
[25] FR
[54] **ENHANCED AIRCRAFT VISION SYSTEM, AND ASSOCIATED AIRCRAFT AND VISION METHOD**
[54] **SYSTEME DE VISION AMELIOREE D'AERONEF, AERONEF ET PROCEDE DE VISION ASSOCIES**
[72] LEFLOUR, GERARD, FR
[72] LAGARDE, JEROME, FR
[72] SOUDAIS, PAUL, FR
[72] MOULIN, NICOLAS, FR
[71] DASSAULT AVIATION, FR
[22] 2020-03-17
[41] 2020-09-18
[30] FR (19 02 748) 2019-03-18

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[13] A1
[51] **Int.Cl. A47G 1/16 (2006.01) E04C 2/02 (2006.01) E04F 15/02 (2006.01) F16B 45/00 (2006.01) F16M 13/00 (2006.01)**
[25] EN
[54] **WALL MOUNTING SYSTEM WITH LEDGE**
[54] **SYSTEME DE FIXATION MURALE AVEC PIECE D`APPUI**
[72] SAROKA, MICHAEL, CA
[71] GOLDRAY INDUSTRIES, INC., CA
[22] 2020-03-16
[41] 2020-09-15
[30] US (62/819,163) 2019-03-15

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[13] A1
[51] **Int.Cl. F23D 14/62 (2006.01) B23K 37/00 (2006.01) F23D 14/32 (2006.01) F23D 14/38 (2006.01)**
[25] EN
[54] **BURNER ASSEMBLY**
[54] **ENSEMBLE BRULEUR**
[72] STEUSLOFF, RONALD, DE
[72] ESSER, HEINZ-DIETER, DE
[72] RUH, DANIEL, DE
[71] LINDE AKTIENGESELLSCHAFT, DE
[22] 2020-03-17
[41] 2020-09-19
[30] EP (19020134.3) 2019-03-19

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[13] A1
[51] **Int.Cl. E06B 7/16 (2006.01) E06B 1/36 (2006.01)**
[25] EN
[54] **FRAMING SYSTEM**
[54] **SYSTEME DE CHARPENTE**
[72] JONES, TEHCAUBE L., US
[71] PEERLESS PRODUCTS, INC., US
[22] 2020-03-17
[41] 2020-09-19
[30] US (16/357,432) 2019-03-19

[21] **3,076,079**
[13] A1
[51] **Int.Cl. F24S 60/00 (2018.01) F24S 23/70 (2018.01) F21S 11/00 (2006.01)**
[25] EN
[54] **AN ELECTROMAGNETIC RADIATION COLLECTING AND DIRECTING DEVICE**
[54] **DISPOSITIF DE COLLECTE ET DE GUIDAGE DE RAYONNEMENT ELECTROMAGNETIQUE**
[72] GUY, FREDERICK R., US
[71] GUY, FREDERICK R., US
[22] 2020-03-17
[41] 2020-09-19
[30] US (16/360,930) 2019-03-19

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[13] A1
[51] **Int.Cl. B65F 1/14 (2006.01) B65D 43/16 (2006.01) B65D 43/22 (2006.01) B65D 43/26 (2006.01)**
[25] EN
[54] **TRASH CAN WITH AUTO LID LOCKING MECHANISM**
[54] **POUBELLE AVEC MECANISME DE VERROUILLAGE DE COUVERCLE AUTOMATIQUE**
[72] BARRY, KRISTA, US
[71] BARRY, KRISTA, US
[22] 2020-03-13
[41] 2020-09-13
[30] US (62/817,848) 2019-03-13

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[13] A1
[51] **Int.Cl. G09F 1/06 (2006.01)**
[25] EN
[54] **FULL WING DISPLAY**
[54] **PRESENTOIR DE PLANCHER COMPLET**
[72] BURGERT, GINA L., US
[72] MELNICK, AMY, US
[72] WILLS, COLLEEN, US
[71] MENASHA CORPORATION, US
[22] 2020-03-16
[41] 2020-09-15
[30] US (62/819,118) 2019-03-15
[30] US (16/819,528) 2020-03-16

[21] **3,076,097**
[13] A1
[51] **Int.Cl. G01S 17/95 (2006.01) F03D 80/00 (2016.01) F03D 7/00 (2006.01)**
[25] FR
[54] **METHOD FOR PREDICTING WIND SPEED IN THE ROTOR PLANE OF A WIND TURBINE EQUIPPED WITH A LASER REMOTE SENSOR**
[54] **PROCEDE DE PREDICTION DE LA VITESSE DU VENT DANS LE PLAN DU ROTOR POUR UNE EOLIENNE EQUIPEE D'UN CAPTEUR DE TELEDETECTION PAR LASER**
[72] GUILLEMIN, FABRICE, FR
[72] NGUYEN, HOAI-NAM, FR
[71] IFP ENERGIES NOUVELLES, FR
[22] 2020-03-16
[41] 2020-09-18
[30] FR (19 02 739) 2019-03-18

[21] **3,076,105**
[13] A1
[51] **Int.Cl. C09K 3/18 (2006.01)**
[25] EN
[54] **LIQUID DE-ICING BRINE SUSPENSION**
[54] **SUSPENSION DE SAUMURE POUR LIQUIDE DE DEGIVRAGE**
[72] BYTNAR, STEVEN C., US
[72] UTSCHIG-SAMUELS, STEPHEN, US
[72] BAILEY, DEREK, US
[72] BORDONI, PAUL, US
[71] ENVIROTECH SERVICES, INC., US
[22] 2020-03-18
[41] 2020-09-19
[30] US (62/820,584) 2019-03-19

[21] **3,076,117**
[13] A1
[51] **Int.Cl. A01K 7/00 (2006.01)**
[25] EN
[54] **ANIMAL WATERING STATION**
[54] **FONTAINE A EAU POUR ANIMAUX**
[72] VON DER ASSEN, MARKUS, DE
[72] HAWK, CHRIS, US
[72] HAWK, JOHN, US
[72] HICKS, DUSTIN, US
[71] LUBING MASCHINENFABRIK LUDWIG BENING GMBH & CO. KG, DE
[22] 2020-03-18
[41] 2020-09-19
[30] DE (10 2019 001 866.4) 2019-03-19

[21] **3,076,119**
[13] A1
[51] **Int.Cl. H04L 12/723 (2013.01) H04L 12/825 (2013.01)**
[25] EN
[54] **PACKET TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE PAQUETS**
[72] TANG, PENGHE, CN
[72] FANG, YONGLONG, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[22] 2020-03-18
[41] 2020-09-18
[30] CN (201910203885.8) 2019-03-18

[21] **3,076,122**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06N 3/04 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR ENCODING AND PROCESSING VECTOR-SYMBOLIC REPRESENTATIONS OF CONTINUOUS SPACES**
[54] **PROCEDES ET SYSTEMES DE CODAGE ET DE TRAITEMENT DE REPRESENTATIONS SYMBOLIQUES VECTORIELLES D`ESPACES CONTINUS**
[72] VOELKER, AARON R., CA
[72] ELIASMITH, CHRISTOPHER D., CA
[72] KOMER, BRENT, CA
[72] STEWART, TERRANCE, CA
[71] APPLIED BRAIN RESEARCH INC., CA
[22] 2020-03-18
[41] 2020-09-18
[30] US (62/820,089) 2019-03-18

[21] **3,076,124**
[13] A1
[51] **Int.Cl. B65F 1/16 (2006.01) B65F 1/14 (2006.01) E05B 73/00 (2006.01)**
[25] EN
[54] **LOCK DEVICE FOR A WASTE RECEIVING DEVICE AND WASTE RECEIVING DEVICE WITH SUCH A LOCK DEVICE**
[54] **DISPOSITIF DE VERROUILLAGE POUR DISPOSITIF DE RECEPTION DE DECHETS ET DISPOSITIF DE RECEPTION DE DECHETS DOTE D`UN TEL DISPOSITIF DE VERROUILLAGE**
[72] KEIDEL, STEPHAN, DE
[71] SUDHAUS GMBH, DE
[22] 2020-03-18
[41] 2020-09-19
[30] DE (20 2019 101 543.8) 2019-03-19

[21] **3,076,125**
[13] A1
[51] **Int.Cl. G05D 1/10 (2006.01) B64D 45/00 (2006.01)**
[25] FR
[54] **SYSTEM FOR COMPUTING AIRCRAFT MISSIONS USING AT LEAST ONE EXTENDED ISO-MOVEMENT CURVE, AND ASSOCIATED METHOD**
[54] **SYSTEME DE CALCUL DE MISSION D'UN AERONEF UTILISANT AU MOINS UNE COURBE D'ISO-DEPLACEMENT ETENDUE ET PROCEDE ASSOCIE**
[72] GRIMALD, CYRILLE, FR
[72] URIEN, BENOIT, FR
[71] DASSAULT AVIATION, FR
[22] 2020-03-18
[41] 2020-09-18
[30] FR (1902747) 2019-03-18

[21] **3,076,156**
[13] A1
[51] **Int.Cl. G01N 1/31 (2006.01) G01N 33/53 (2006.01)**
[25] EN
[54] **SLIDE CHAMBER**
[54] **CHAMBRE DE TIROIR D`ACCELERATEUR**
[72] PETERS, RALF-PETER, DE
[72] KABAHA, EIAD, DE
[72] KESEBERG, JAN, DE
[72] BOSIO, ANDREAS, DE
[71] MILTENYI BIOTEC B.V. & CO. KG, DE
[22] 2020-03-18
[41] 2020-09-19
[30] EP (19163639.8) 2019-03-19

[21] **3,076,177**
[13] A1
[51] **Int.Cl. C09J 7/29 (2018.01) C09J 7/21 (2018.01) C09J 7/35 (2018.01) D04H 1/00 (2006.01)**
[25] EN
[54] **THERMALLY FIXABLE TEXTILE FABRIC**
[54] **TISSUS THERMOFIXABLES**
[72] TRASER, STEFFEN, DE
[72] QUANG, JUTTA VO, DE
[72] DOBREV, NIKOLAY DOBRINOV, DE
[71] CARL FREUDENBERG KG, DE
[22] 2020-03-18
[41] 2020-09-19
[30] DE (10 2019 106 995.5) 2019-03-19

[21] **3,076,185**
[13] A1
[51] **Int.Cl. C23C 4/131 (2016.01) B33Y 10/00 (2015.01) B29C 64/153 (2017.01) B33Y 70/10 (2020.01) B22F 3/115 (2006.01) C23C 4/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING USING ALUMINUM METAL-CORED WIRE**
[54] **SYSTEMES ET METHODES DE FABRICATION ADDITIVE A L`AIDE D`UN FIL D`ALUMINIUM A AME METALLIQUE**
[72] BERUBE, PATRICK, US
[72] BRAMER, GREGORY J., US
[72] LIU, SHUANG, US
[71] HOBART BROTHERS LLC, US
[22] 2020-03-19
[41] 2020-09-19
[30] US (16/358,419) 2019-03-19

[21] **3,076,187**
[13] A1
[51] **Int.Cl. B23K 35/24 (2006.01) B23K 35/04 (2006.01)**
[25] EN
[54] **ALUMINUM METAL-CORED WELDING WIRE**
[54] **FIL DE SOUDAGE A AME METALLIQUE EN ALUMINIUM**
[72] BERUBE, PATRICK, US
[72] BRAMER, GREGORY J., US
[72] LIU, SHUANG, US
[71] HOBART BROTHERS LLC, US
[22] 2020-03-19
[41] 2020-09-19
[30] US (16/358,415) 2019-03-19

[21] **3,076,292**
[13] A1
[51] **Int.Cl. A01K 13/00 (2006.01) A01K 29/00 (2006.01)**
[25] EN
[54] **ELASTICIZED PET FOOTWEAR ARTICLE**
[54] **CHAUSSURE ELASTIQUE POUR ANIMAL DE COMPAGNIE**
[72] WHYTE, ROBIN, CA
[71] DOG E LITES INC., CA
[22] 2020-03-19
[41] 2020-09-19
[30] US (62/820,533) 2019-03-19

[21] **3,076,346**
[13] A1
[51] **Int.Cl. C02F 1/74 (2006.01) C02F 1/00 (2006.01) C02F 3/02 (2006.01) G05B 1/02 (2006.01) G05B 11/06 (2006.01)**
[25] EN
[54] **PROCESS AERATION BALANCE CONTROLLER IN WASTEWATER TREATMENT**
[54] **REGULATEUR DE PROCEDE D`AERATION DANS LE TRAITEMENT DES EAUX USEES**
[72] ROBERTSON, CALVIN, US
[71] OVIVO INC., CA
[22] 2020-03-19
[41] 2020-09-19
[30] US (62/820,595) 2019-03-19

[21] **3,076,384**
[13] A1
[51] **Int.Cl. H04W 36/14 (2009.01) H04W 68/02 (2009.01) H04W 76/14 (2018.01)**
[25] EN
[54] **WIRELESS COMMUNICATIONS FOR COMMUNICATION SETUP/RESPONSE**
[54] **COMMUNICATION SANS FIL POUR CONFIGURATION ET REPONSE DE COMMUNICATION**
[72] RYU, JINSOOK, US
[72] DINAN, ESMAEL, US
[72] PARK, KYUNGMIN, US
[72] FARD, PEYMAN TALEBI, US
[72] QIAO, WEIHUA, US
[72] BHARATIA, JAYSHREE, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2020-03-19
[41] 2020-09-19
[30] US (62/820,571) 2019-03-19

[21] **3,076,733**
[13] A1
[51] **Int.Cl. H04W 4/08 (2009.01) H04W 12/10 (2009.01) H04W 84/08 (2009.01)**
[25] EN
[54] **MITIGATING ECHO AND SPURIOUS AUDIO NOISES IN RADIO COMMUNICATION SYSTEMS**
[54] **ATTENUATION DE L`ECHO ET DE BRUITS AUDIO PARASITES DANS DES SYSTEMES DE TRANSMISSION RADIO**
[72] THOMPSON, ALLEN, US
[72] WELSCH, STEPHEN, US
[71] EAGLE TECHNOLOGY, LLC, US
[22] 2020-03-24
[41] 2020-09-14
[30] US (16/363,683) 2019-03-25

[21] **3,077,210**
[13] A1
[51] **Int.Cl. B01D 41/04 (2006.01) B01D 46/04 (2006.01) B08B 3/12 (2006.01) F01N 3/023 (2006.01)**
[25] EN
[54] **SYSTEM AND APPARATUS FOR AND METHOD OF CLEANING AIR FILTERS**
[54] **SYSTEME, APPAREIL ET PROCEDE DE NETTOYAGE DE FILTRES A AIR**
[72] HUNTER, KENNETH C., CA
[71] HUNTER, KENNETH C., CA
[22] 2020-03-27
[41] 2020-09-14

[21] **3,081,891**
[13] A1
[51] **Int.Cl. C11D 3/42 (2006.01)**
[25] EN
[54] **LEUCO COLORANTS AS BLUING AGENTS IN LAUNDRY CARE COMPOSITION**
[54] **COLORANTS LEUCO EN TANT QUE PRODUITS D`AZURAGE DANS DES COMPOSITIONS POUR L`ENTRETIEN DU LINGE**
[72] MIRACLE, GREGORY SCOT, US
[71] THE PROCTER & GAMBLE COMPANY, US
[22] 2020-06-03
[41] 2020-09-15

[21] **3,082,660**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47CS**
[54] **MAIS AUTOGAME PH47CS**
[72] WARDYN, BRANDON MICHAEL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,148) 2019-06-14

[21] **3,082,664**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH41DW**
[54] **MAIS AUTOGAME PH41DW**
[72] LEE, TRAVIS J., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,124) 2019-06-14

[21] **3,082,702**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47B1**
[54] **MAIS AUTOGAME PH47B1**
[72] LEE, TRAVIS J., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,214) 2019-06-14

[21] **3,082,726**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48YG**
[54] **MAIS AUTOGAME PH48YG**
[72] KING, STEVEN PAUL, US
[72] WILLIAM, HARINDRA MANILAL, CA
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,181) 2019-06-14

[21] **3,082,738**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47GV**
[54] **MAIS AUTOGAME PH47GV**
[72] MICKELSON, SUZANNE MICHELLE, US
[72] SEVERNS, DINA ELIJAH, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,215) 2019-06-14

[21] **3,082,992**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48KC**
[54] **MAIS AUTOGAME PH48KC**
[72] SCHAEFER, CHRISTOPHER MICHAEL, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,236) 2019-06-14

[21] **3,082,997**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47R1**
[54] **MAIS AUTOGAME PH47R1**
[72] CARLONE, MARIO ROSARIO, JR., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,187) 2019-06-14

[21] **3,083,001**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48B8**
[54] **MAIS AUTOGAME PH48B8**
[72] GOGERTY, JOSEPH KEVIN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,195) 2019-06-14

[21] **3,083,029**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48JH**
[54] **MAIS AUTOGAME PH48JH**
[72] GROTE, EDWIN MICHAEL, US
[72] ROSS, ANDREW JON, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,261) 2019-06-14

[21] **3,083,030**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH48PW**
[54] **MAIS AUTOGAME PH48PW**
[72] CHANDLER, MICHAEL ADAM, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-18
[30] US (16/441,265) 2019-06-14

[21] **3,083,034**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED PH47GA**
[54] **MAIS AUTOGAME PH47GA**
[72] HENKE, GARY EDWARD, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[22] 2020-06-10
[41] 2020-09-16
[30] US (16/441,277) 2019-06-14

[21] **3,084,592**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 3ZBJL3942**
[54] **MAIS AUTOGAME 3ZBJL3942**
[72] VUJEVIC, STIPE, CA
[71] AGRIGENETICS, INC., US
[22] 2020-06-22
[41] 2020-09-14
[30] US (16/451,094) 2019-06-25

[21] **3,084,601**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **INBRED CORN LINE 5ABSM1557**
[54] **LIGNEE DE MAIS AUTOGAME 5ABSM1557**
[72] PLEHN, STEVE J., US
[71] AGRIGENETICS, INC., US
[22] 2020-06-22
[41] 2020-09-14

[21] **3,084,604**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE INBRED 3ABIA1619**
[54] **MAIS AUTOGAME 3ABIA1619**
[72] PLEHN, STEVE J., US
[71] AGRIGENETICS, INC., US
[22] 2020-06-22
[41] 2020-09-14
[30] US (16/451,102) 2019-06-25

[21] **3,084,612**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **MAIZE HYBRID X80R614**
[54] **MAIS AUTOGAME X80R614**
[72] PLEHN, STEVE J., US
[71] AGRIGENETICS, INC., US
[22] 2020-06-22
[41] 2020-09-14
[30] US (62/867,930) 2019-06-28

[21] **3,084,616**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A01H 6/46 (2018.01) A01H 1/00 (2006.01) A01H 1/02 (2006.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE HYBRID X95R275**
[54] **MAIS AUTOGAME X95R275**
[72] VUJEVIC, STIPE, CA
[71] AGRIGENETICS, INC., US
[22] 2020-06-22
[41] 2020-09-14
[30] US (16/455,925) 2019-06-28

[21] **3,084,918**
[13] A1
[51] **Int.Cl. B64C 11/32 (2006.01) F16H 57/01 (2012.01) B64C 27/59 (2006.01) B64D 35/00 (2006.01) F16H 57/04 (2010.01) F16N 1/00 (2006.01) F16N 29/00 (2006.01) F16N 31/00 (2006.01)**
[25] FR
[54] **POWER TRANSMISSION GEARBOX, ROTORCRAFT EQUIPPED WITH SUCH TRANSMISSION GEARBOX AND VARIATION METHOD ASSOCIATED**
[54] **BOITE DE TRANSMISSION DE PUISSANCE, GIRAVION EQUIPE D'UNE TELLE BOITE DE TRANSMISSION ET METHODE DE VARIATION ASSOCIEE**
[72] GOUJET, DAMIEN, FR
[71] AIRBUS HELICOPTERS, FR
[22] 2020-06-25
[41] 2020-09-15
[30] FR (1909577) 2019-08-30

[21] **3,085,497**
[13] A1
[51] **Int.Cl. B01D 46/52 (2006.01)**
[25] EN
[54] **A COMBINED AIR FILTER ELEMENT FILTERING DEVICE**
[54] **DISPOSITIF DE FILTRATION D`ELEMENT DE FILTRE A AIR COMBINE**
[72] RAN, CHAO, CN
[72] DUAN, WUJUN, CN
[72] ZHAO, XIAODONG, CN
[71] QAP FILTER (CHINA) LTD., CN
[22] 2020-06-30
[41] 2020-09-17
[30] CN (201910809322.3) 2019-08-29

[21] **3,085,588**
[13] A1
[51] **Int.Cl. F16H 25/20 (2006.01) H02K 7/06 (2006.01)**
[25] EN
[54] **INTELLIGENT ELECTRIC PUSH ROD**
[54] **TIGE DE POUSSEE ELECTRIQUE INTELLIGENTE**
[72] LI, SUJIAO, CN
[71] LI, SUJIAO, CN
[22] 2020-07-02
[41] 2020-09-17

[21] **3,085,700**
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[51] **Int.Cl. A42B 3/20 (2006.01) A41D 13/11 (2006.01) A42B 3/22 (2006.01)**
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[72] DESROCHERS, CHARLES-ANTOINE, CA
[72] BOURGEOIS, DANIEL, CA
[72] LAPERRIERE, JEAN-FRANCOIS, CA
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[72] THIEMANN, BJOERN, DE
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[71] THE PROCTER & GAMBLE COMPANY, US
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[54] **DISPOSITIF ET METHODE DE PROTECTION DES INTERFERENCES POUR SOUTIEN HYDRAULIQUE ET UNE PARTIE DE COUPE DE LA CISAILLE**
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[72] TAN, CHAO, CN
[72] LU, XULIANG, CN
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[54] **PROMOTEUR DE CROISSANCE ET SON APPLICATION POUR LA PREVENTION ET LE TRAITEMENT DE LA HERNIE DES CULTURES CRUCIFERES**
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[71] THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[72] HOBBA, GRAHAM DEAN, AU
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[72] PLESSALA, DENEEN T., US
[72] MCINTYRE, MATTHEW G., US
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[71] BELVAC PRODUCTION MACHINERY, INC., US
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[72] OCIO SAN MIGUEL, ENRIQUE MARIA, ES
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[72] BARDEN, CHRISTOPHER J., CA
[71] DENOVAMED INC., CA
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[54] **TERMINAL D'UTILISATEUR ET PROCEDE DE RADIOCOMMUNICATION**
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[72] KAKISHIMA, YUICHI, US
[71] NTT DOCOMO, INC., JP
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[54] **FORME CRISTALLINE ET FORME SALINE DE COMPOSE PYRIDOIMIDAZOLE ET SON PROCEDE DE PREPARATION**
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[72] CHEN, XIAOXIN, CN
[72] WANG, JINGJING, CN
[72] LIU, ZHUOWEI, CN
[72] CHEN, KEVIN X, CN
[72] LIU, CHENGWU, CN
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[71] BL TECHNOLOGIES, INC., US
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[72] STOLZ, MICHAEL R., US
[71] CATERPILLAR INC., US
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[54] **CELLULES THERAPEUTIQUES MACROENCAPSULEES, DISPOSITIFS ET PROCEDES D'UTILISATION DE CELLES-CI**
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[54] **DISPOSITIF DE GESTION DE DECLENCHEUR POUR EQUIPEMENT DE MESURE**
[72] BATTEN, ROBERT, US
[72] BAKER, MARK, US
[72] BOLING, SHAWN, US
[72] FOUTS, JOHN, US
[72] MORA, OMAR, US
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[72] GRECO, JARED, US
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[54] **SYSTEME DE METROLOGIE**
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[72] BAKER, MARK, US
[72] BARNS, CHRIS, US
[72] BATTEN, ROBERT, US
[72] BOLING, SHAWN, US
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[54] **SYSTEMES ET PROCEDES DE DECOUPAGE DE RESEAU**
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[72] MURALIDHARAN, SRINIVASAN, US
[72] NICKELL, KENTON PERRY, US
[72] PARKER, RONALD M., US
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[54] **SYSTEME DE DETECTION RADAR ET PROCEDE DE FONCTIONNEMENT D'UN SYSTEME DE DETECTION RADAR**
[72] MAYER, MARCEL, DE
[72] BAUR, KLAUS, DE
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[71] ROBERT BOSCH GMBH, DE
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[54] **MOLECULES HAVING PESTICIDAL UTILITY, COMPOSITIONS AND PEST CONTROLLING PROCESS RELATED THERETO**
[54] **MOLECULES AYANT UNE UTILITE PESTICIDE, ET INTERMEDIAIRES, COMPOSITIONS ET PROCEDE ASSOCIE DE LUTTE CONTRE LES PHYTORAVAGEURS**
[72] MARTIN, TIMOTHY P., US
[72] ROSS, RONALD, JR., US
[72] HEEMSTRA, RONALD J., US
[72] ECKELBARGER, JOSEPH D., US
[72] TRULLINGER, TONY K., US
[72] HUNTER, RICKY, US
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[54] **PROCEDE DE PRODUCTION DE MATERIAUX COMPOSITES A BASSES TEMPERATURES**
[72] FERENCZ, ANDREAS, DE
[72] WIENAND, MIKE, DE
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[71] HENKEL AG & CO. KGAA, DE
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[54] **ELECTROLYSIS METHOD AND DEVICE FOR SPAS AND POOLS**
[54] **PROCEDE ET DISPOSITIF D'ELECTROLYSE POUR SPAS ET PISCINES**
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[72] GINTER, ANTHONY, US
[71] WATERDIAM FRANCE SAS, FR
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[54] **PROGASTRIN AS A BIOMARKER FOR IMMUNOTHERAPY**
[54] **PROGASTRINE EN TANT QUE BIOMARQUEUR POUR L'IMMUNOTHERAPIE**
[72] JOUBERT, DOMINIQUE, FR
[71] ECS-PROGASTRIN SA, CH
[85] 2020-08-27
[86] 2019-02-27 (PCT/EP2019/054878)
[87] (WO2019/166499)
[30] US (62/635,620) 2018-02-27

[21] **3,092,458**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A23G 1/00 (2006.01) A23G 1/02 (2006.01) A61K 31/4178 (2006.01) A61K 31/4196 (2006.01) A61K 31/465 (2006.01) A61K 36/185 (2006.01)**
[25] EN
[54] **ORAL DOSAGE FORM CONTAINING THEOBROMINE-FREE COCOA**
[54] **FORME PHARMACEUTIQUE ORALE CONTENANT DU CACAO SANS THEOBROMINE**
[72] HILLE, THOMAS, DE
[72] WAUER, GABRIEL, DE
[72] SEIBERTZ, FRANK, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-08-26
[86] 2018-03-01 (PCT/EP2018/055105)
[87] (WO2019/166098)

[21] **3,092,461**
[13] A1
[51] **Int.Cl. E21F 17/107 (2006.01)**
[25] EN
[54] **AIRLOCK WITH A PNEUMATIC ORIFICE FOR THE VACUUM TRAIN SYSTEM**
[54] **SAS A ORIFICE PNEUMATIQUE POUR SYSTEME DE TRAIN A VIDE**
[72] MIELCZAREK, LUKASZ, PL
[72] RADZISZEWSKI, PAWEL, PL
[71] HYPER POLAND SP. Z O.O., PL
[85] 2020-08-27
[86] 2019-03-01 (PCT/IB2019/051667)
[87] (WO2019/167014)
[30] PL (P-424748) 2018-03-02

[21] **3,092,464**
[13] A1
[51] **Int.Cl. B66B 5/00 (2006.01) B66B 25/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR MONITORING A STATE OF A PASSENGER TRANSPORT SYSTEM BY USING A DIGITAL DOUBLE**
[54] **PROCEDE ET DISPOSITIF DE SURVEILLANCE D'UN ETAT D'UNE INSTALLATION DE TRANSPORT DE PERSONNES FAISANT APPEL A UN DOUBLE NUMERIQUE**
[72] NOVACEK, THOMAS, AT
[72] PFEILER, ALEXANDER, AT
[72] SANDER, CHRISTOPH, AT
[72] LAGLBAUER, GERD, AT
[72] DRAGSITS, HANNES, AT
[71] INVENTIO AG, CH
[85] 2020-08-24
[86] 2019-05-13 (PCT/EP2019/062122)
[87] (WO2019/219553)
[30] EP (18172076.4) 2018-05-14

[21] **3,092,479**
[13] A1
[51] **Int.Cl. C03C 17/25 (2006.01)**
[25] EN
[54] **ANTISCRATCH AND ANTIWEAR GLASS**
[54] **VERRE ANTI-RAYURES ET ANTI-USURE**
[72] LIANG, LIANG, US
[71] GUARDIAN GLASS, LLC, US
[85] 2020-08-27
[86] 2019-04-18 (PCT/IB2019/053247)
[87] (WO2019/202558)
[30] US (62/659,989) 2018-04-19

[21] **3,092,484**
[13] A1
[51] **Int.Cl. C22B 7/00 (2006.01) A23K 20/20 (2016.01) C01B 7/19 (2006.01) C22B 3/00 (2006.01) C22B 3/08 (2006.01) C22B 19/30 (2006.01)**
[25] EN
[54] **METHOD FOR REMOVING FLUORIDE FROM A ZINC-CONTAINING SOLUTION OR SUSPENSION, DEFLUORIDATED ZINC SULFATE SOLUTION AND USE THEREOF, AND METHOD FOR PRODUCING ZINC AND HYDROGEN FLUORIDE OR HYDROFLUORIC ACID**
[54] **PROCEDE POUR ELIMINER LE FLUORURE D'UNE SOLUTION OU SUSPENSION CONTENANT DU ZINC, SOLUTION DE SULFATE DE ZINC DEFLUORE ET SON UTILISATION AINSI QUE PROCEDE POUR PRODUIRE DU ZINC ET DU FLUORURE D'HYDROGENE OU DE L'ACIDE FLUORHYDRIQUE**
[72] LUDEWIG, FRITZ, AT
[72] STEINLECHNER, STEFAN, AT
[72] ANTREKOWITSCH, JURGEN, AT
[71] MONTANUNIVERSITAT LEOBEN, AT
[85] 2020-08-28
[86] 2017-04-06 (PCT/EP2017/058303)
[87] (WO2018/184686)

[21] **3,092,497**
[13] A1
[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **NOVEL RNA-PROGRAMMABLE ENDONUCLEASE SYSTEMS AND USES THEREOF**
[54] **NOUVEAUX SYSTEMES D'ENDONUCLEASE A ARN PROGRAMMABLE ET LEURS UTILISATIONS**
[72] COHNEN, ANDRE, DE
[72] SCHMIDT, MORITZ, DE
[72] COCO, WAYNE, DE
[72] GAMALINDA, MICHAEL, BIAG, DE
[72] GUPTA, ASHISH, DE
[72] PITZLER, CHRISTIAN, DE
[72] RICHTER, FLORIAN, DE
[72] TEBBE, JAN, DE
[72] CHENG, CHRISTOPHER, US
[72] TAKEUCHI, RYO, US
[72] REISS, CAROLINE, W., US
[71] CRISPR THERAPEUTICS AG, CH
[71] BAYER HEALTHCARE LLC, US
[85] 2020-08-27
[86] 2019-03-19 (PCT/US2019/023044)
[87] (WO2019/183150)
[30] EP (18162683.9) 2018-03-19
[30] EP (18162681.3) 2018-03-19
[30] EP (18172625.8) 2018-05-16
[30] EP (18174707.2) 2018-05-29
[30] EP (18181680.2) 2018-07-04
[30] US (62/745,246) 2018-10-12
[30] US (62/745,240) 2018-10-12
[30] US (62/745,238) 2018-10-12
[30] US (62/745,239) 2018-10-12

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[13] A1
[51] **Int.Cl. A01H 1/04 (2006.01) C12Q 1/6895 (2018.01) A01H 5/04 (2018.01)**
[25] EN
[54] **TBRFV RESISTANT TOMATO PLANT**
[54] **PLANTE DE TOMATE RESISTANTE A TBRFV**
[72] HAMELINK, ROEL, NL
[72] KALISVAART, JONATHAN, NL
[72] RASHIDI, HAMED, NL
[71] RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V., NL
[85] 2020-08-28
[86] 2017-12-08 (PCT/EP2017/082096)
[87] (WO2019/110130)

[21] **3,092,505**
[13] A1
[51] **Int.Cl. F16J 15/08 (2006.01) F01D 11/00 (2006.01)**
[25] EN
[54] **A TURBOMACHINE SEALING SYSTEM AND TURBOMACHINE INCLUDING THE SEALING SYSTEM**
[54] **SYSTEME D'ETANCHEITE DE TURBOMACHINE ET TURBOMACHINE COMPRENANT LE SYSTEME D'ETANCHEITE**
[72] MEI, LUCIANO, IT
[72] BONCINELLI, MARCO, IT
[72] PUCCI, EGIDIO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
[85] 2020-08-28
[86] 2019-03-12 (PCT/EP2019/025068)
[87] (WO2019/174788)
[30] IT (102018000003496) 2018-03-13

[21] **3,092,507**
[13] A1
[51] **Int.Cl. C08G 18/32 (2006.01) C08G 59/50 (2006.01)**
[25] EN
[54] **ETHERAMINE MIXTURE CONTAINING POLYETHER DIAMINES AND METHOD OF MAKING AND USING THE SAME**
[54] **MELANGE D'ETHERAMINES CONTENANT DES POLYETHERDIAMINES ET SON PROCEDE DE FABRICATION ET D'UTILISATION**
[72] KLEIN, HOWARD P., US
[72] RENKEN, TERRY L., US
[72] LI, CHENG-KUANG, US
[71] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2020-08-27
[86] 2019-03-18 (PCT/US2019/022683)
[87] (WO2019/182941)
[30] US (62/644,848) 2018-03-19

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[13] A1
[51] **Int.Cl. H04B 1/401 (2015.01) H04B 1/44 (2006.01)**
[25] EN
[54] **COMMUNICATION OF WIRELESS SIGNALS THROUGH PHYSICAL BARRIERS**
[54] **COMMUNICATION DE SIGNAUX SANS FIL A TRAVERS DES BARRIERES PHYSIQUES**
[72] BLACK, ERIC JAMES, US
[72] CAVCIC, MERSAD, US
[72] DEUTSCH, BRIAN MARK, US
[72] KATKO, ALEXANDER REMLEY, US
[72] MCCANDLESS, JAY HOWARD, US
[72] REA, ADAM DELOSS, US
[72] RUTLEDGE, RYAN DALE, US
[72] HITCHEN, SHANNON LEE, US
[72] ABADI, SEYED ALI MALEK, US
[72] READ, JORDAN PHILIP DOLEZILEK, US
[71] PIVOTAL COMMWARE, INC., US
[85] 2020-08-27
[86] 2019-03-19 (PCT/US2019/022987)
[87] (WO2019/183107)
[30] US (62/645,004) 2018-03-19
[30] US (62/730,497) 2018-09-12
[30] US (16/358,112) 2019-03-19

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[13] A1
[51] **Int.Cl. G01N 21/87 (2006.01) G01N 21/88 (2006.01)**
[25] EN
[54] **A METHOD AND SYSTEM FOR DETERMINING THE LOCATION OF ARTEFACTS AND/OR INCLUSIONS IN A GEMSTONE, MINERAL, OR SAMPLE THEREOF**
[54] **PROCEDE ET SYSTEME POUR DETERMINER L'EMPLACEMENT D'ARTEFACTS ET/OU D'INCLUSIONS DANS UNE PIERRE PRECIEUSE, UN MINERAL OU UN ECHANTILLON DE CEUX-CI**
[72] FLEDDERMANN, ROLAND, AU
[72] CHOW, JONG HANN, AU
[72] SHEPPARD, ADRIAN PAUL, AU
[72] SENDEN, TIMOTHY JOHN, AU
[72] LATHAM, SHANE JAMIE, AU
[72] HUANG, KESHU, AU
[71] THE AUSTRALIAN NATIONAL UNIVERSITY, AU
[85] 2020-08-28
[86] 2019-03-04 (PCT/AU2019/050182)
[87] (WO2019/165514)
[30] AU (2018900677) 2018-03-02

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[13] A1
[51] **Int.Cl. A47L 13/38 (2006.01)**
[25] EN
[54] **CLEANING ARTICLE WITH DOUBLE BONDED TOW TUFTS**
[54] **ARTICLE DE NETTOYAGE A TOUFFES D'ETOUPE A DOUBLE LIAISON**
[72] POLICICCHIO, NICOLA JOHN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-08-27
[86] 2019-03-22 (PCT/US2019/023571)
[87] (WO2019/194989)
[30] US (15/943,739) 2018-04-03

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[13] A1
[51] **Int.Cl. H01M 4/90 (2006.01) H01M 4/92 (2006.01)**
[25] EN
[54] **METHODS OF MANUFACTURING BIOSENSOR NANOWELLS**
[54] **PROCEDES DE FABRICATION DE NANOPUITS DE BIOCAPTEUR**
[72] LEE, HEAYEON, US
[71] MARA NANOTECH KOREA, INC., KR
[71] MARA NANOTECH NEW YORK, INC., US
[85] 2020-08-27
[86] 2019-03-22 (PCT/US2019/023633)
[87] (WO2019/183504)
[30] KR (10-2018-0033974) 2018-03-23
[30] US (62/647,280) 2018-03-23

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[13] A1
[51] **Int.Cl. B29C 48/335 (2019.01) B29C 48/09 (2019.01) B29C 48/16 (2019.01)**
[25] EN
[54] **A DIE HEAD AND DIE TOOLING SPIDER WITH SPIDER LEGS HAVING CURVED FLOW GUIDES**
[54] **TETE DE FILI?RE ET CROISILLON D'OUTILLAGE DE FILI?RE DOTE DE PIEDS DE CROISILLON AYANT DES GUIDES D'ECOULEMENT INCURVES**
[72] LUPKE, MANFRED A. A., CA
[72] LUPKE, STEFAN A., CA
[71] LUPKE, MANFRED A. A., CA
[85] 2020-08-28
[86] 2019-02-27 (PCT/CA2019/000027)
[87] (WO2019/165537)
[30] US (62/636,805) 2018-02-28

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[13] A1
[51] **Int.Cl. G01N 33/48 (2006.01) G01N 33/543 (2006.01) G01N 33/558 (2006.01)**
[25] EN
[54] **IN VITRO METHOD FOR DETECTING INTESTINAL BARRIER FAILURE IN ANIMALS BY DETERMINING OVOTRANSFERRIN**
[54] **PROCEDE IN VITRO DE DETECTION D'UNE DEFAILLANCE DE LA BARRIERE INTESTINALE CHEZ DES ANIMAUX PAR DETERMINATION DE L'OVOTRANSFERRINE**
[72] FLUGEL, MONIKA, DE
[72] PELZER, STEFAN, DE
[72] THIEMANN, FRANK, DE
[72] VAN IMMERSEEL, FILIP, BE
[72] DUCATELLE, RICHARD, BE
[72] GOOSSENS, EVY, BE
[72] DEVREESE, BART, BE
[72] DEBYSER, GRIET, BE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-08-28
[86] 2019-02-28 (PCT/EP2019/054947)
[87] (WO2019/166534)
[30] EP (18159632.1) 2018-03-02

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[13] A1
[51] **Int.Cl. B60L 5/24 (2006.01) B60L 53/16 (2019.01) B60L 53/35 (2019.01) B60L 53/36 (2019.01) B60L 5/00 (2006.01) B60L 5/36 (2006.01) B60L 5/42 (2006.01) B60M 1/36 (2006.01)**
[25] EN
[54] **RAPID CHARGING SYSTEM AND METHOD FOR ELECTRICALLY CONNECTING A VEHICLE TO A CHARGING STATION**
[54] **SYSTEME DE CHARGE RAPIDE ET PROCEDE POUR RELIER ELECTRIQUEMENT UN VEHICULE A UNE STATION DE CHARGE**
[72] HEIEIS, NILS, DE
[72] DOMES, MATTHIAS, DE
[72] STAUBACH, TIMO, DE
[72] SCHNEIDER, PETER, DE
[71] SCHUNK TRANSIT SYSTEMS GMBH, DE
[85] 2020-08-28
[86] 2019-03-12 (PCT/EP2019/056153)
[87] (WO2019/175165)
[30] DE (10 2018 106 046.7) 2018-03-15

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[13] A1
[51] **Int.Cl. B60L 5/36 (2006.01) B60L 53/10 (2019.01) B60L 53/14 (2019.01) B60L 53/35 (2019.01) B60L 5/42 (2006.01)**
[25] EN
[54] **CONTACT UNIT**
[54] **UNITE DE CONTACT**
[72] HEIEIS, NILS, DE
[72] DOMES, MATTHIAS, DE
[72] STAUBACH, TIMO, DE
[72] SCHNEIDER, PETER, DE
[71] SCHUNK TRANSIT SYSTEMS GMBH, DE
[85] 2020-08-28
[86] 2019-03-12 (PCT/EP2019/056154)
[87] (WO2019/175166)
[30] DE (10 2018 106 047.5) 2018-03-15

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT OF HEAD AND NECK CANCER**
[54] **TRAITEMENT DU CANCER DE LA TETE ET DU COU**
[72] BOYER-CHAMMARD, AGNES, FR
[72] DODION, PIERRE, BE
[72] COHEN, ROGER B., US
[71] INNATE PHARMA, FR
[85] 2020-08-28
[86] 2019-03-12 (PCT/EP2019/056174)
[87] (WO2019/175182)
[30] US (62/642,292) 2018-03-13

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01) C07K 16/32 (2006.01) C07K 16/40 (2006.01) G01N 33/574 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTI C-MET ANTIBODIES**
[54] **ANTICORPS ANTI C-MET**
[72] FINLAY, WILLIAM JAMES JONATHAN, GB
[71] ULTRAHUMAN SIX LIMITED, GB
[85] 2020-08-28
[86] 2019-03-12 (PCT/EP2019/056178)
[87] (WO2019/175186)
[30] GB (1803892.7) 2018-03-12
[30] GB (1812487.5) 2018-07-31
[30] GB (1816841.9) 2018-10-16

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[13] A1
[51] **Int.Cl. C08G 83/00 (2006.01) C08G 63/06 (2006.01) C08G 63/60 (2006.01) C08G 63/78 (2006.01) C08G 63/91 (2006.01) C10M 101/00 (2006.01) C10M 107/32 (2006.01) C10M 111/04 (2006.01) C10M 171/00 (2006.01)**
[25] EN
[54] **NOVEL HYPERBRANCHED POLYESTERS AND THEIR USE AS WAX INHIBITOR, AS POUR POINT DEPRESSANT, AS LUBRICANT OR IN LUBRICATING OILS**
[54] **NOUVEAUX POLYESTERS HYPER-RAMIFIES ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE CIRE, EN TANT QUE DEPRESSEUR DE POINT D'ECOULEMENT, EN TANT QUE LUBRIFIANT OU DANS DES HUILES LUBRIFIANTES**
[72] MUELLER-CRISTADORO, ANNA MARIA, DE
[72] BOHRES, EDWARD, DE
[72] FRENZEL, STEFAN, DE
[72] FU, XIAO, SG
[72] WESTERHAUS, FELIX ALEXANDER, DE
[72] NOACK, TINA, DE
[72] KIERAT, RADOSLAW, DE
[71] BASF SE, DE
[85] 2020-08-28
[86] 2019-03-19 (PCT/EP2019/056830)
[87] (WO2019/185401)
[30] EP (18163934.5) 2018-03-26

[21] **3,092,538**
[13] A1
[51] **Int.Cl. A61K 31/44 (2006.01) A61K 31/4709 (2006.01)**
[25] EN
[54] **TREATMENT OF HEREDITARY ANGIOEDEMA**
[54] **TRAITEMENT DE L'OEDEME DE QUINCKE HEREDITAIRE**
[72] MCDONALD, ANDREW, US
[72] QIAN, SHAWN, US
[72] KALFUS, IRA, US
[71] LIFESCI PHARMACEUTICALS, INC., BB
[85] 2020-08-28
[86] 2019-02-28 (PCT/IB2019/000186)
[87] (WO2019/166874)
[30] US (62/636,809) 2018-02-28
[30] US (62/641,144) 2018-03-09

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[13] A1
[51] **Int.Cl. C07D 487/14 (2006.01) A61K 31/4985 (2006.01) A61K 31/5025 (2006.01) A61P 31/16 (2006.01) C07D 498/14 (2006.01)**
[25] EN
[54] **10-(DI(PHENYL)METHYL)-4-HYDROXY-8,9,9A,10-TETRAHYDRO-7H-PYRROLO[1',2':4,5]PYRAZINO[1,2-B]PYRIDAZINE-3,5-DIONE DERIVATIVES AND RELATED COMPOUNDS AS INHIBITORS OF THE ORTHOMYXOVIRUSREPLICATION FOR TREATING INFLUENZA**
[54] **DERIVES DE 10-(DI(PHENYL)METHYL)-4-HYDROXY-8,9,9A,10-TETRAHYDRO-7H-PYRROLO[1',2':4,5]PYRAZI NO[1,2-B]PYRIDAZINE-3,5-DIONE ET COMPOSES APPARENTES UTILISES EN TANT QU'INHIBITEURS DE LA REPLICATION D'ORTHOMYXOVIRUS POUR LE TRAITEMENT DE LA GRIPPE**
[72] DAUPHINAIS, MAXIME, US
[72] JAIN, RAMA, US
[72] KOESTER, DENNIS CHRISTOFER, US
[72] MANNING, JAMES R., US
[72] MARX, VANESSA, US
[72] POON, DANIEL, US
[72] WAN, LIFENG, US
[72] WANG, XIAOJING MICHAEL, US
[72] YIFRU, AREGAHEGN, US
[72] ZHAO, QIAN, US
[71] NOVARTIS AG, CH
[85] 2020-08-27
[86] 2019-02-26 (PCT/IB2019/051549)
[87] (WO2019/166950)
[30] US (62/636,378) 2018-02-28

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[13] A1
[51] **Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61P 31/12 (2006.01)**
[25] EN
[54] **SUBSTITUTED IMIDAZO[4,5-C]QUINOLINE COMPOUNDS WITH AN N-1 BRANCHED GROUP**
[54] **COMPOSES IMIDAZO[4,5-C]QUINOLEINE SUBSTITUES AVEC UN GROUPE N-1 RAMIFIE**
[72] GRIESGRABER, GEORGE W., US
[72] BECHTOLD, KEVIN J., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-08-28
[86] 2019-02-25 (PCT/IB2019/051510)
[87] (WO2019/166937)
[30] US (62/636,367) 2018-02-28

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[13] A1
[51] **Int.Cl. H01M 8/18 (2006.01) H01M 8/04082 (2016.01) H01M 8/04276 (2016.01)**
[25] EN
[54] **MEANS FOR MAINTAINING DESIRED LIQUID LEVEL BETWEEN INTER-CONNECTED TANKS**
[54] **MOYEN POUR MAINTENIR UN NIVEAU DE LIQUIDE SOUHAITE ENTRE DES RESERVOIRS RACCORDES ENTRE EUX**
[72] WHITEHEAD, ADAM, AT
[72] UNDERWOOD, RICHARD, GB
[72] RIDLEY, PETER, GB
[71] REDT ENERGY (IRELAND) LIMITED, IE
[85] 2020-08-28
[86] 2019-02-27 (PCT/IB2019/051580)
[87] (WO2019/166970)
[30] GB (1803359.7) 2018-03-01

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[13] A1
[51] **Int.Cl. D02G 3/32 (2006.01) D02G 3/40 (2006.01) D03D 15/00 (2006.01) D03D 15/08 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A STRETCH FABRIC COMPRISING PLANT FIBRES AND STRETCH FABRIC MANUFACTURED BY SUCH METHOD**
[54] **PROCEDE DE FABRICATION D'UN TISSU EXTENSIBLE COMPRENANT DES FIBRES VEGETALES ET TISSU EXTENSIBLE FABRIQUE SELON LE PROCEDE**
[72] SOSTER, FRANCESCA, IT
[72] BAGGIANI, ANDREA, IT
[71] LORO PIANA S.P.A., IT
[85] 2020-08-28
[86] 2019-02-28 (PCT/IB2019/051608)
[87] (WO2019/166978)
[30] IT (102018000003155) 2018-03-01

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[13] A1
[51] **Int.Cl. A61K 35/747 (2015.01) A61K 38/00 (2006.01) A61P 1/00 (2006.01) A61P 1/12 (2006.01) A61P 1/14 (2006.01)**
[25] EN
[54] **COMBINATION OF LACTOBACILLI FOR THE RELIEF OF IRRITABLE BOWEL SYNDROME AND FOR THE RELIEF OF OTHER GASTROINTESTINAL DISORDERS**
[54] **COMBINAISON DE LACTOBACILLES POUR LE SOULAGEMENT DU SYNDROME DU COLON IRRITABLE ET POUR LE SOULAGEMENT D'AUTRES TROUBLES GASTRO-INTESTINAUX**
[72] CARRIERE, SERGE, CA
[71] BIO-K PLUS INTERNATIONAL INC., CA
[85] 2020-08-28
[86] 2019-02-28 (PCT/IB2019/051627)
[87] (WO2019/171224)
[30] US (62/638,521) 2018-03-05

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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **AUTHENTICATING, ESTABLISHING AND TRACKING ELIGIBILITY OF A PATIENT TO PURCHASE AN OVER-THE-COUNTER DRUG**
[54] **AUTHENTIFICATION, ETABLISSEMENT ET SUIVI DE L'ELIGIBILITE D'UN PATIENT POUR ACHETER UN MEDICAMENT SANS ORDONNANCE**
[72] PENTA, RAMA, US
[72] BRITTAIN, M. JEFFREY, US
[72] HANISAK, WILLIAM, US
[72] BELKIN, AUDREY, US
[72] RUSCHE, STEVEN, US
[71] BAYER HEALTHCARE LLC, US
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[54] **CRAWLED VEHICLE FOR THE PREPARATION OF SKI PISTES**
[54] **VEHICULE A CHENILLES POUR LA PREPARATION DE PISTES DE SKI**
[72] LEITNER, KARL, IT
[72] MAURER, GREGOR, IT
[71] PRINOTH S.P.A., IT
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[54] **METHODS OF TREATING CROHN'S DISEASE WITH ANTI-IL23 SPECIFIC ANTIBODY**
[54] **METHODES DE TRAITEMENT DE LA MALADIE DE CROHN AVEC UN ANTICORPS SPECIFIQUE ANTI-IL23**
[72] CHAN, DAPHNE, US
[72] ADEDOKUN, OMONIYI, US
[72] CHEN, YANG, US
[72] SZAPARY, PHILIPPE, US
[71] JANSSEN BIOTECH, INC., US
[85] 2020-08-28
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[54] **EXPANDABLE HEAVY EQUIPMENT, AND ELONGATED PULL ELEMENT**
[54] **EQUIPEMENT LOURD EXTENSIBLE ET ELEMENT DE TRACTION ALLONGE**
[72] VAN DER SCHUIT, RINZE JAN, NL
[71] CABIN AIR GROUP B.V., NL
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[51] **Int.Cl. F42C 11/02 (2006.01)**
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[54] **PIEZOELECTRIC SENSOR ARRANGEMENT AND A METHOD OF DISCRIMINATING SIGNALS**
[54] **AGENCEMENT DE CAPTEUR PIEZOELECTRIQUE ET PROCEDE DE DISCRIMINATION DE SIGNAUX**
[72] HOLM, TONY, SE
[72] OSTLUND, JOHAN, SE
[71] SAAB AB, SE
[85] 2020-08-28
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[25] EN
[54] **TANK, AND ASPECTS OF A VEHICLE EQUIPPED THEREWITH**
[54] **RESERVOIR, ET ASPECTS D'UN VEHICULE EQUIPE DE CELUI-CI**
[72] MAJOR, BRYCE OWEN, AU
[72] CUMMING, BRETT JASON, AU
[72] WILLINGTON, MARK JUSTIN, AU
[71] ORICIA INTERNATIONAL PTE LTD, SG
[85] 2020-08-28
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[25] EN
[54] **DIFFUSER ASSEMBLY FOR UPWARD, DOWNWARD AND RADIAL PUMP PROTECTION**
[54] **ENSEMBLE DIFFUSEUR POUR PROTECTION DE POMPE VERS LE HAUT, VERS LE BAS ET DANS LE SENS RADIAL**
[72] NOWITZKI, WESLEY JOHN, US
[72] WEBSTER, JOSHUA W., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2020-08-28
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[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING A DISTANCE BETWEEN A CONDUCTED ELECTRICAL WEAPON AND A TARGET**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'UNE DISTANCE ENTRE UNE ARME ELECTRIQUE A IMPULSIONS ET UNE CIBLE**
[72] NERHEIM, MAGNE, US
[72] BRUNDULA, STEVE, US
[71] AXON ENTERPRISE, INC., US
[85] 2020-08-28
[86] 2018-06-08 (PCT/US2018/036712)
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[30] US (62/637,079) 2018-03-01

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[54] **SHAPED CHARGE WITH TRI-RADII LINER FOR OILFIELD PERFORATING**
[54] **CHARGE FACONNEE AVEC CHEMISE A TROIS RAYONS POUR PERFORATION DE CHAMP PETROLIFERE**
[72] METZGER, JASON PAUL, US
[72] LIN, STEVE SHIH-HSIANG, US
[72] GROVE, BRENDEN MICHAEL, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[54] **COMPOSITIONS HAVING ENHANCED DEPOSITION OF SURFACTANT SOLUBLE ANTIDANDRUFF AGENTS**
[54] **COMPOSITIONS AYANT UN DEPOT AMELIORE D'AGENTS ANTIPELLICULAIRES SOLUBLES DANS UN TENSIOACTIF**
[72] CHANG, DEBORA W., US
[72] JOHNSON, ERIC SCOTT, US
[72] FIGUEROA, REBEKAH RUTH, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-08-28
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[54] **SCOOP HOLDER**
[54] **SUPPORT DE PELLE**
[72] WALLWEY, DEAN W., US
[72] WALLWEY, MARJORIE A., US
[72] ST. CLAIR, BLAKE, US
[71] WALLWEY, DEAN W., US
[71] WALLWEY, MARJORIE A., US
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[30] US (29/638,250) 2018-02-26
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[51] **Int.Cl. A61B 8/08 (2006.01) A61B 8/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ANNOTATING ULTRASOUND EXAMINATIONS**
[54] **PROCEDE ET APPAREIL D'ANNOTATION D'EXAMENS ULTRASONORES**
[72] LUNDBERG, ANDREW, US
[72] DUFFY, THOMAS M., US
[72] STEINS, ROBERT W., US
[71] FUJIFILM SONOSITE, INC., US
[85] 2020-08-28
[86] 2019-02-18 (PCT/US2019/018438)
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[51] **Int.Cl. H04N 7/18 (2006.01)**
[25] EN
[54] **IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD, AND MONITORING SYSTEM**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGES, PROCEDE DE TRAITEMENT D'IMAGES, ET SYSTEME DE SURVEILLANCE**
[72] OKAHARA, KOHEI, JP
[72] FURUKI, ICHIRO, JP
[72] FUKASAWA, TSUKASA, JP
[72] YAMAZAKI, KENTO, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-08-28
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[51] **Int.Cl. A61B 17/04 (2006.01)**
[25] EN
[54] **SUTURE ANCHOR DRIVER**
[54] **ELEMENT D'ENTRAINEMENT D'ANCRAGE DE SUTURE**
[72] LOMBARDO, GIUSEPPE, US
[72] BRESLICH, GRADY, US
[72] SUMMITT, MATTHEW C., US
[72] ALFONSO, GREGORY A., US
[72] THIBODEAU, ROBERT A., US
[71] CONMED CORPORATION, US
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[51] **Int.Cl. C08G 81/00 (2006.01) A61L 17/12 (2006.01) A61L 27/18 (2006.01) A61L 27/34 (2006.01) A61L 27/40 (2006.01) A61L 27/50 (2006.01) A61L 31/06 (2006.01) A61L 31/10 (2006.01)**
[25] EN
[54] **BIODEGRADABLE BLOCK COPOLYMER**
[54] **COPOLYMERE SEQUENCE BIODEGRADABLE**
[72] KOGAWA, TAISUKE, JP
[72] FUJITA, MASAKI, JP
[72] KOYAMATSU, YUICHI, JP
[72] TANAHASHI, KAZUHIRO, JP
[72] KIDOBA, KAZUYUKI, JP
[71] TORAY INDUSTRIES, INC., JP
[85] 2020-08-28
[86] 2019-01-25 (PCT/JP2019/002391)
[87] (WO2019/187569)
[30] JP (2018-067452) 2018-03-30

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[51] **Int.Cl. B60L 53/80 (2019.01) B60L 50/60 (2019.01) B60K 1/04 (2019.01) H01M 2/10 (2006.01)**
[25] EN
[54] **ALIGNMENT AND LOCKING MECHANISM FOR REMOVEABLE BATTERY ASSEMBLY**
[54] **MECANISME D'ALIGNEMENT ET DE VERROUILLAGE POUR ENSEMBLE BATTERIE AMOVIBLE**
[72] HUFF, BRIAN R., US
[71] ARTISAN VEHICLE SYSTEMS, INC., US
[85] 2020-08-28
[86] 2019-02-27 (PCT/US2019/019741)
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[30] US (15/908,804) 2018-02-28

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[51] **Int.Cl. C10G 1/04 (2006.01) C02F 11/145 (2019.01) C02F 1/52 (2006.01) C02F 1/56 (2006.01)**
[25] EN
[54] **IMPROVEMENT OF GEOTECHNICAL CHARACTERISTICS OF TAILINGS VIA LIME ADDITION**
[54] **AMELIORATION DES CARACTERISTIQUES GEOTECHNIQUES DE RESIDUS PAR AJOUT DE CHAUX**
[72] ROMANIUK, NIKOLAS ANDREI, CA
[72] FOX, JESSE WAYNE, CA
[72] TATE, MICHAEL JOHN, CA
[72] LEIKAM, JARED IRA, CA
[72] HARIHARAN, NARAIN, CA
[71] GRAYMONT WESTERN CANADA INC., CA
[85] 2020-08-28
[86] 2019-09-10 (PCT/US2019/050448)
[87] (WO2020/055893)
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[25] EN
[54] **OIL-LESS PNEUMATIC MOTOR**
[54] **MOTEUR PNEUMATIQUE SANS HUILE**
[72] HUQ, MD ZAHEDUL, US
[71] MEDTRONIC PS MEDICAL, INC., US
[85] 2020-08-28
[86] 2019-02-27 (PCT/US2019/019821)
[87] (WO2019/168976)
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[51] **Int.Cl. G06T 17/00 (2006.01) G01B 11/00 (2006.01) G01B 11/02 (2006.01) G01B 11/03 (2006.01) G05B 19/4097 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANUFACTURED ARTICLE DYNAMIC MEASUREMENT, TOOL SELECTION AND TOOLPATH GENERATION**
[54] **SYSTEME ET PROCEDE DE MESURE DYNAMIQUE D'ARTICLE FABRIQUE, SELECTION D'OUTIL ET GENERATION DE TRAJECTOIRE D'OUTIL**
[72] SCHNEIDER, DAVID, US
[72] MCCREADY, JEDIDIAH BUCK, US
[71] KVAL, INC., US
[85] 2020-08-28
[86] 2019-12-31 (PCT/US2019/069098)
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[30] US (16/239,380) 2019-01-03

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[51] **Int.Cl. H01L 21/67 (2006.01) H01L 21/02 (2006.01)**
[25] EN
[54] **DIRECTING MOTION OF DROPLETS USING DIFFERENTIAL WETTING**
[54] **ORIENTATION DE MOUVEMENT DE GOUTTELETTES A L'AIDE D'UN MOUILLAGE DIFFERENTIEL**
[72] UMAPATHI, UDAYAN, US
[71] VOLTA LABS, INC., US
[85] 2020-08-28
[86] 2019-02-28 (PCT/US2019/019954)
[87] (WO2019/169076)
[30] US (62/636,268) 2018-02-28
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[54] **HEIGHT ADJUSTABLE PLATFORMS AND ASSOCIATED MECHANISMS**
[54] **PLATEFORMES REGLABLES EN HAUTEUR ET MECANISMES ASSOCIES**
[72] LINDBLAD, SHAUN CHRISTOPHER, US
[72] MENSING, JEFFREY RANDALL, US
[72] WONG, THIEM CHAN DUONG, US
[72] KOTTMAN, MARK ALAN, US
[72] APOLLONI, MICHAEL ANTHONY, US
[72] PRINCE, DAVID JAMES, US
[72] RUNGER, GEORGE CHARLES WILLARD, US
[71] ERGOTRON, INC., US
[85] 2020-08-28
[86] 2019-03-01 (PCT/US2019/020435)
[87] (WO2019/169355)
[30] US (62/637,562) 2018-03-02
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[54] **MODULATORS OF IRF4 EXPRESSION**
[54] **MODULATEURS DE L'EXPRESSION D'IRF4**
[72] ZHOU, TIANYUAN, US
[72] KIM, YOUNGSOO, US
[72] MACLEOD, ROBERT, US
[72] BUI, HUYNH-HOA, US
[72] FREIER, SUSAN M., US
[71] IONIS PHARMACEUTICALS, INC., US
[85] 2020-08-28
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[51] **Int.Cl. A61M 1/16 (2006.01) A61J 3/00 (2006.01) A61M 1/28 (2006.01)**
[25] EN
[54] **FLUID PREPARATION AND TREATMENT DEVICES, METHODS, AND SYSTEMS**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE PREPARATION DE FLUIDE ET DE TRAITEMENT**
[72] WYETH, MARK T., US
[72] YANTZ, GREGORY, US
[72] FRIEDERICHS, GOETZ, US
[72] MCCARTY, ROBERT PAUL, US
[72] DE LA VEGA, CIRO A., US
[71] NXSTAGE MEDICAL, INC., US
[85] 2020-08-28
[86] 2019-02-28 (PCT/US2019/019967)
[87] (WO2019/169081)
[30] US (62/636,404) 2018-02-28
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[51] **Int.Cl. A61K 8/34 (2006.01) A61Q 19/00 (2006.01)**
[25] EN
[54] **ALCOHOL-BASED HAND CONDITIONERS FOR REPEATED USE**
[54] **CONDITIONNEURS DE MAIN A BASE D'ALCOOL POUR UNE UTILISATION REPETEE**
[72] COPELAND, AMANDA J., US
[72] CARTNER, TODD J., US
[71] GOJO INDUSTRIES, INC., US
[85] 2020-08-28
[86] 2019-02-28 (PCT/US2019/020043)
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[25] EN
[54] **ADJUSTABLE BED SYSTEMS WITH ROTATING ARTICULATING BED FRAME**
[54] **SYSTEMES DE LIT REGLABLE A CADRE DE LIT ARTICULE ROTATIF**
[72] ESKRIDGE, HORACE ROBERT, US
[72] SHERMAN, PHILIP REID, US
[72] MCCARTY, PHILIP WOODS, US
[72] SHIH, CHUAN-HANG, TW
[71] PPJ, LLC, US
[85] 2020-08-28
[86] 2019-02-28 (PCT/US2019/020055)
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[30] US (15/909,407) 2018-03-01

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[51] **Int.Cl. C07D 487/04 (2006.01) A61K 31/4162 (2006.01) A61K 31/437 (2006.01) A61K 31/4439 (2006.01) A61K 31/4985 (2006.01) A61K 31/5383 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 498/04 (2006.01)**
[25] EN
[54] **ETHANEDIAMINE-HETEROCYCLE DERIVATIVES AS INHIBITORS OF PROTEIN ARGININE METHYLTRANSFERASES**
[54] **DERIVES ETHANEDIAMINE-HETEROCYCLE UTILISES EN TANT QU'INHIBITEURS DES PROTEINE ARGININE METHYLTRANSFERASES**
[72] DI FRANCESCO, MARIA EMILIA, US
[72] JONES, PHILIP, US
[72] MCAFOOS, TIMOTHY, US
[71] THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-08-28
[86] 2019-03-01 (PCT/US2019/020395)
[87] (WO2019/169326)
[30] US (62/637,147) 2018-03-01

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[25] EN
[54] **SWEETENING COMPOSITION INDUCING SWEETNESS RESPONSE THROUGH MOLECULE OTHER THAN SWEET TASTE RECEPTOR (T1R2/T1R3)**
[54] **COMPOSITION SUCREE DECLENCHANT UNE REPONSE DE GOUT SUCRE MEDIEE PAR DES RECEPTEURS AU GOUT SUCRE AUTRES QUE LE RECEPTEUR AU GOUT SUCRE (T1R2/T1R3)**
[72] OHKURI, TADAHIRO, JP
[72] FUJIE, AKIKO, JP
[72] YOKOO, YOSHIAKI, JP
[72] ASAMI, YOJI, JP
[72] NAGAO, KOJI, JP
[71] SUNTORY HOLDINGS LIMITED, JP
[85] 2020-08-28
[86] 2019-03-29 (PCT/JP2019/014357)
[87] (WO2019/189898)
[30] JP (2018-069160) 2018-03-30
[30] JP (2018-230083) 2018-12-07

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[51] **Int.Cl. H05B 6/64 (2006.01) H05B 6/78 (2006.01) H05B 6/80 (2006.01)**
[25] EN
[54] **METHOD FOR CONTROLLING MICROWAVE HEATING SYSTEMS**
[54] **PROCEDE DE COMMANDE DE SYSTEMES DE CHAUFFAGE PAR MICRO-ONDES**
[72] MAGANA, MOSES ALEXANDER, US
[71] 915 LABS, LLC, US
[85] 2020-08-28
[86] 2019-03-01 (PCT/US2019/020286)
[87] (WO2019/169265)
[30] US (62/636,886) 2018-03-01

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[13] A1
[51] **Int.Cl. E04F 11/022 (2006.01)**
[25] EN
[54] **CANTILEVER STAIR ASSEMBLY**
[54] **ENSEMBLE ESCALIER EN PORTE-A-FAUX**
[72] JAIN, RANJIV, US
[71] CONSTRUCTION & DESIGN SOLUTIONS, INC., US
[85] 2020-08-28
[86] 2019-03-04 (PCT/US2019/020583)
[87] (WO2019/169399)
[30] US (62/638,050) 2018-03-02

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[13] A1
[51] **Int.Cl. H02K 53/00 (2006.01) H02K 11/22 (2016.01) H02K 11/33 (2016.01) H02K 21/12 (2006.01) H02K 29/10 (2006.01)**
[25] EN
[54] **APPARATUS FOR OPERATING AS DC (DIRECT CURRENT) GENERATOR AND DC MOTOR**
[54] **APPAREIL POUR FONCTIONNER EN TANT QUE GENERATEUR DE CC (COURANT CONTINU) ET MOTEUR A CC**
[72] GOO, JEI HYUN, KR
[71] GOO, JEI HYUN, KR
[85] 2020-08-29
[86] 2019-12-09 (PCT/KR2019/017265)
[87] (WO2020/145518)
[30] KR (10-2019-0003353) 2019-01-10

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[51] **Int.Cl. A61K 31/70 (2006.01) C07H 19/23 (2006.01)**
[25] EN
[54] **PARENTERALLY ADMINISTERED IMMUNE ENHANCING DRUGS**
[54] **MEDICAMENTS RENFORCANT L'IMMUNITE ADMINISTRES PAR VOIE PARENTERALE**
[72] JAEN, JUAN CARLOS, US
[72] JEFFREY, JENNA LEIGH, US
[72] JIN, LIXIA, US
[72] KALISIAK, JAROSLAW, US
[72] LAWSON, KENNETH V., US
[72] LELETI, MANMOHAN REDDY, US
[72] KARAKUNNEL, JOYSON J., US
[72] POWERS, JAY PATRICK, US
[71] ARCUS BIOSCIENCES, INC., US
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[54] **ADAPTATEUR D'ENTREE POUR UN RESEAU DE TELEVISION PAR CABLE**
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[72] EGAN, JOHN M., JR., US
[71] PRC BROADBAND, INC., US
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[54] **IL-6 ANTIBODIES AND FUSION CONSTRUCTS AND CONJUGATES THEREOF**
[54] **ANTICORPS ANTI-IL-6 ET CONSTRUCTIONS DE FUSION ET CONJUGUES ASSOCIES**
[72] JACOBSON, RACHEL D., US
[72] CORREA, FERNANDO, US
[72] LIANG, HONG, US
[72] PERLROTH, D. VICTOR, US
[71] KODIAK SCIENCES INC., US
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[54] **ANTICORPS SE LIANT A VISTA A PH ACIDE**
[72] JOHNSTON, ROBERT J., US
[72] RAJPAL, ARVIND, US
[72] SHEPPARD, PAUL O., US
[72] BORGES, LUIS, US
[72] RANKIN, ANDREW, US
[72] BAHJAT, KEITH SADOON, US
[72] KORMAN, ALAN J., US
[72] DENG, XIAODI, US
[72] SU, LIN HUI, US
[72] RAKESTRAW, GINGER, US
[72] PINCKNEY, JASON R., US
[72] CRITTON, DAVID A., US
[72] CHEN, GUODONG, US
[72] HUANG, RICHARD Y., US
[72] DEYANOVA, EKATERINA G., US
[71] FIVE PRIME THERAPEUTICS, INC., US
[71] BRISTOL MYERS SQUIBB COMPANY, US
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[54] **ALL TERRAIN VERSATILE TELESCOPIC FORK LIFT**
[54] **CHARIOT ELEVATEUR TELESCOPIQUE POLYVALENT TOUT-TERRAIN**
[72] OURADA, TIM, US
[72] OURADA, TERRI, US
[71] OURADA, TIM, US
[71] OURADA, TERRI, US
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[54] **DISPOSITIF DE RETENTION DE FIL-GUIDE**
[72] BIERMAN, STEVEN F., US
[71] SMITHS MEDICAL ASD, INC., US
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[54] **EXTRACTION OF ORGANIC PRODUCTS FROM PLANT AND ANIMAL MATERIALS**
[54] **EXTRACTION DE PRODUITS ORGANIQUES A PARTIR DE MATIERES VEGETALES ET ANIMALES**
[72] MURPHY, RANDALL B., US
[72] SNYDER, LOREN ERIK, US
[71] METAGREEN VENTURES, US
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[54] **NOUVELLE REDUCTION PAR AMINOTHIOL DE LA MORT CELLULAIRE INDUITE PAR ISCHEMIE-REPERFUSION**
[72] FAHL, WILLIAM E., CN
[72] LI, NINGFENG, CN
[71] SUZHOU NG BIOMEDICINE CO., LTD., CN
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[54] **MOUNTING AND DISMOUNTING SYSTEM FOR A BATTERY ASSEMBLY**
[54] **SYSTEME DE MONTAGE ET DE DEMONTAGE POUR UN ENSEMBLE BATTERIE**
[72] HUFF, BRIAN R., US
[72] HICKEY, KYLE, US
[71] ARTISAN VEHICLE SYSTEMS, INC., US
[85] 2020-08-28
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[54] **DISPLAY METHOD AND MOBILE TERMINAL**
[54] **PROCEDE D'AFFICHAGE ET TERMINAL MOBILE**
[72] ZHAO, JUNJIE, CN
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN
[85] 2020-08-31
[86] 2019-02-15 (PCT/CN2019/075184)
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[25] EN
[54] **BENZAMIDE COMPOUND AND PREPARATION METHOD, USE, AND PHARMACEUTICAL COMPOSITION THEREOF**
[54] **COMPOSE BENZAMIDE, SON PROCEDE DE PREPARATION, SON UTILISATION ET COMPOSITION PHARMACEUTIQUE ASSOCIEE**
[72] XU, HENG, CN
[72] CHEN, XIAOGUANG, CN
[72] LIN, SONGWEN, CN
[72] JI, MING, CN
[72] XUE, NINA, CN
[72] WU, DEYU, CN
[72] JIN, JING, CN
[71] INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF MEDICAL SCIENCES, CN
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[54] **SYSTEM FOR PROCESS INTENSIFICATION OF WATER ELECTROLYSIS**
[54] **SYSTEME D'INTENSIFICATION DE PROCESSUS D'ELECTROLYSE DE L'EAU**
[72] PROOST, JORIS, BE
[72] DE RADIGUES DE CHENNEVIERES, QUENTIN, BE
[72] THUNIS, GREGOIRE, BE
[71] UNIVERSITE CATHOLIQUE DE LOUVAIN, BE
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[25] EN
[54] **SYSTEM AND METHOD FOR OPERATING A SYSTEM HAVING AT LEAST ONE FIRST MOBILE PART AND ONE SECOND MOBILE PART**
[54] **SYSTEME ET PROCEDE POUR FAIRE FONCTIONNER UN SYSTEME COMPRENANT AU MOINS UNE PREMIERE ET UNE DEUXIEME PARTIE MOBILE**
[72] SCHAFER, THOMAS, DE
[72] WANJEK, ANDREAS, DE
[72] HUA, ZHIDONG, DE
[71] SEW-EURODRIVE GMBH & CO. KG, DE
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[86] 2019-03-06 (PCT/EP2019/025060)
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[54] **ELEMENT DE LENTILLE**
[72] GUILLOT, MATTHIEU, FR
[72] FERMIGIER, BRUNO, FR
[72] PELOUX, MARIUS, FR
[72] DROBE, BJORN, SG
[71] ESSILOR INTERNATIONAL, FR
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[54] **ELEMENT DE LENTILLE**
[72] GUILLOT, MATTHIEU, FR
[72] DROBE, BJORN, SG
[71] ESSILOR INTERNATIONAL, FR
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[25] EN
[54] **BEVERAGE EXTRACTION UNIT FOR SELECTIVELY PROVIDING ORIFICES OF DIFFERENT TYPES IN A CAPSULE FOR EXTRACTION OF THE BEVERAGE**
[54] **UNITE D'EXTRACTION DE BOISSON POUR FORMER SELECTIVEMENT DES ORIFICES DE DIFFERENTS TYPES DANS UNE CAPSULE POUR L'EXTRACTION DE LA BOISSON**
[72] OBLIGER, NICOLAS, FR
[72] MAGATTI, MARCO, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **ELEMENT DE LENTILLE**
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[72] FERMIGIER, BRUNO, FR
[72] LE SAUX, GILLES, FR
[72] PELOUX, MARIUS, FR
[71] ESSILOR INTERNATIONAL, FR
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[54] **DE-IMMUNISED ANTI-ERBB3 ANTIBODIES**
[54] **ANTICORPS ANTI-ERBB3 DESIMMUNISES**
[72] FINLAY, WILLIAM JAMES JONATHAN, GB
[71] ULTRAHUMAN THIRTEEN LIMITED, GB
[85] 2020-08-31
[86] 2019-03-14 (PCT/EP2019/056506)
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[54] **SPEAKER DEVICE**
[54] **APPAREIL DE HAUT-PARLEUR**
[72] YOKOHAMA, KINPEI, JP
[71] CITYFOREST WORKERS NET CO., LTD., JP
[85] 2020-08-31
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[25] EN
[54] **DEVICE AND METHOD FOR ADMINISTERING AN ACTIVE INGREDIENT**
[54] **DISPOSITIF ET PROCEDE D'ADMINISTRATION DE PRINCIPES ACTIFS**
[72] LEVY, KURT, US
[71] CANOPY GROWTH CORPORATION, CA
[85] 2020-08-31
[86] 2019-03-05 (PCT/IB2019/000214)
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[30] US (62/639,225) 2018-03-06
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[25] EN
[54] **PHARMACEUTICAL COMPOSITION WITH EXCELLENT STORAGE STABILITY**
[54] **COMPOSITION PHARMACEUTIQUE PRESENTANT UNE EXCELLENTE STABILITE AU STOCKAGE**
[72] ONOUE, SATOMI, JP
[72] SATO, HIDEYUKI, JP
[72] SHINDO, TAKESHI, JP
[71] ISHIHARA SANGYO KAISHA, LTD., JP
[71] SHIZUOKA PREFECTURAL UNIVERSITY CORPORATION, JP
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[54] **CO2 RECOVERY SYSTEM AND METHOD OF RECOVERING CO2**
[54] **DISPOSITIF DE RECUPERATION DE CO2, ET PROCEDE DE RECUPERATION DE CO2**
[72] MIYAMOTO, OSAMU, US
[72] TSUJIUCHI, TATSUYA, JP
[72] KAMIJO, TAKASHI, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
[85] 2020-08-31
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[54] **DIOXYDE DE TITANE**
[72] JOHN, STEPHAN, DE
[72] LATVA-NIRVA, ESA, FI
[72] ROBB, JOHN, GB
[71] VENATOR GERMANY GMBH, DE
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[54] **FORMULATIONS FOR TREATING ACID REFLUX COMPRISING SODIUM ALGINATE**
[54] **FORMULATIONS POUR LE TRAITEMENT DU REFLUX ACIDE COMPRENANT DE L'ALGINATE DE SODIUM**
[72] SMOLARZ, JOSEPH RYAN, US
[71] PHARAGEN LLC, US
[85] 2020-08-28
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[54] **RADAR IMAGE PROCESSING DEVICE AND RADAR IMAGE PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT D'IMAGE RADAR ET PROCEDE DE TRAITEMENT D'IMAGE RADAR**
[72] KATAYAMA, YUMIKO, JP
[72] SUWA, KEI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-08-31
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[25] EN
[54] **ALIGNMENT AND CALIBRATION FRAME FOR GAMMA KNIFE**
[54] **CADRE D'ALIGNEMENT ET D'ETALONNAGE POUR COUTEAU GAMMA**
[72] TYLER, JONATHAN, CA
[71] TYLER, JONATHAN, CA
[85] 2020-08-31
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[25] EN
[54] **METHOD OF PROCESSING A BIO-BASED MATERIAL AND APPARATUS FOR PROCESSING THE SAME**
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE BIOMATERIAU**
[72] LAOHAKUNAKORN, WINAI, TH
[72] SIRIMITRTRAKUL, SUPAKORN, TH
[72] BOONSIT, NOPPORN, TH
[71] GREEN TECHNOLOGY RESEARCH CO., LTD, TH
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[25] EN
[54] **IMPLEMENTING PUSH-TO-TALK IN A MULTIMEDIA CONFERENCING SYSTEM**
[54] **MISE EN □UVRE DE MESSAGERIE VOCALE INSTANTANEE DANS UN SYSTEME DE CONFERENCE MULTIMEDIA**
[72] MAZZARELLA, JOSEPH, US
[72] LIPMAN, DERRELL, US
[72] SETLUR, ANAND, US
[72] WENGROVITZ, MICHAEL, US
[71] MUTUALINK, INC., US
[85] 2020-08-28
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[25] EN
[54] **HETEROARYL COMPOUNDS AS TYPE II IRAK INHIBITORS AND USES THEREOF**
[54] **COMPOSES HETEROARYLE EN TANT QU'INHIBITEURS D'IRAK DE TYPE II ET LEURS UTILISATIONS**
[72] JORAND-LEBRUN, CATHERINE, US
[72] BRUGGER, NADIA, US
[72] JOHNSON, THERESA, US
[71] MERCK PATENT GMBH, DE
[85] 2020-08-31
[86] 2019-04-01 (PCT/EP2019/058186)
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[51] **Int.Cl. F25D 31/00 (2006.01)**
[25] EN
[54] **HUMIDIFICATION AND DEHUMIDIFICATION PROCESS AND APPARATUS FOR CHILLING BEVERAGES AND OTHER FOOD PRODUCTS AND PROCESS OF MANUFACTURE**
[54] **PROCEDE ET APPAREIL D'HUMIDIFICATION ET DE DESHUMIDIFICATION POUR REFRIGERER DES BOISSONS ET D'AUTRES PRODUITS ALIMENTAIRES ET PROCEDE DE FABRICATION**
[72] ANTHONY, MICHAEL MARK, US
[71] ANTHONY, MICHAEL MARK, US
[85] 2020-08-31
[86] 2018-03-02 (PCT/US2018/000096)
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[54] **SURVEILLANCE DE L'ETAT D'UN ANIMAL DE COMPAGNIE PENDANT UNE LIVRAISON EN L'ABSENCE DU DESTINATAIRE**
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[72] MENSING, JEFFREY RANDALL, US
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[54] **ARCHITECTURE DE RESEAU NEURONAL COVARIANTE POUR DETERMINER DES POTENTIELS ATOMIQUES**
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[72] BURNETTE, DOUGLAS WILLIAM, US
[72] HALAC, JASON, US
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[72] DUBOIS, CARL, US
[72] GIFFORD, KURT T., US
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[72] ROGACHEVA, ALEXANDRA VASIL'EVNA, GB
[71] EXPRO NORTH SEA LIMITED, GB
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[54] **PROCEDE ET DISPOSITIF POUR LA PREPARATION D'UN IMPLANT ISSU D'UNE CULTURE DE CELLULES SOUCHES**
[72] BEN M'BAREK, KARIM, FR
[72] HABELER, WALTER, FR
[72] MONVILLE, CHRISTELLE, FR
[71] CENTRE D'ETUDE DES CELLULES SOUCHES (CECS), FR
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[72] SCHMIDT, MARK, CA
[72] PAJIC, VLADIMIR, CA
[72] HAIGHT, RICHARD, CA
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[72] HOWELL, JENNIFER MARIE, US
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[71] ELI LILLY AND COMPANY, US
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[54] **MODELE A RESEAU NEURONAL RECURRENT POUR LA PRESSION ET LA TEMPERATURE DE FOND DE TROU DANS UNE ANALYSE PAR ABAISSEMENT PAR PALIERS**
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[72] PANDEY, YOGENDRA NARAYAN, US
[72] RANGARAJAN, KESHAVA, US
[71] LANDMARK GRAPHICS CORPORATION, US
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[54] **SYSTEMES ET PROCEDES DE SECHAGE THERMIQUE RESPECTUEUX DE L'ENVIRONNEMENT**
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[72] TOWNSEND, DAVID WAYNE, US
[72] HENDRICKS, JOEL DURTHAM, US
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[54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE COLLECTE DE DONNEES D'ACTIVITE CEREBRALE QUANTITATIVE DYNAMIQUE**
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[71] NEWMINDVANDRAKECHAMP, LLC, US
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[54] **TABLETTE DE SUPPORT EN PORTE-A-FAUX AVEC REFROIDISSEMENT LIQUIDE POUR LES ETAGES SUPERIEURS DE MURS EN BRIQUES REFRACTAIRES**
[72] MACRAE, ALLAN J., US
[71] MACRAE, ALLAN J., US
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[54] **SYSTEMS AND METHODS TO COLLECT SHOPPER DATA**
[54] **SYSTEMES ET PROCEDES DE COLLECTE DE DONNEES D'UN ACHETEUR**
[72] BARK, JIM, US
[72] RETTIG, STEFAN, CA
[71] BARK, JIM, US
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[25] EN
[54] **MULTIVARIATE SPECTRAL ANALYSIS AND MONITORING OF BIOMANUFACTURING**
[54] **ANALYSE SPECTRALE MULTIVARIEE ET SURVEILLANCE DE FABRICATION BIOLOGIQUE**
[72] HUANG, LIN, US
[72] WASALATHANTHRI, DHANUKA PULASTHI, US
[72] TEWARI, JAGDISH C., US
[72] KANG, XUEZHEN, US
[72] HINCAPIE, MARINA, US
[72] BARRETT, SHAWN L., US
[72] POLLOCK, JULIE SUSANNE, US
[71] GENZYME CORPORATION, US
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[54] **FIRE DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION D'INCENDIE**
[72] TOLAND, MARC, US
[71] SAFER ALARMS, INC., US
[85] 2020-08-31
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[54] **SERINE THREONINE KINASE (AKT) DEGRADATION / DISRUPTION COMPOUNDS AND METHODS OF USE**
[54] **COMPOSES DE DEGRADATION/INTERRUPTION DE SERINE THREONINE KINASE (AKT) ET PROCEDES D'UTILISATION**
[72] JIN, JIAN, US
[72] LIU, JING, US
[72] PARSONS, RAMON E., US
[72] XU, JIA, US
[72] YU, XUFEN, US
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[85] 2020-08-31
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[54] **COMPOUNDS INCLUDING A MUTANT KRAS SEQUENCE AND A LIPID AND USES THEREOF**
[54] **COMPOSES CONTENANT UNE SEQUENCE KRAS MUTANTE ET UN LIPIDE ET LEURS UTILISATIONS**
[72] DEMUTH, PETER C., US
[72] ADAMS, JULIAN, US
[72] STEINBUCK, MARTIN, US
[71] ELICIO THERAPEUTICS INC., US
[85] 2020-08-31
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[54] **PROCESS FOR PREPARING SOLUBLE GUANYLATE CYCLASE STIMULATORS**
[54] **PROCEDE DE PREPARATION DE STIMULATEURS DE GUANYLATE CYCLASE SOLUBLE**
[72] STORZ, THOMAS, US
[71] CYCLERION THERAPEUTICS, INC., US
[85] 2020-08-31
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[54] **BEXAROTENE DERIVATIVES AND THEIR USE IN TREATING CANCER**
[54] **DERIVES DU BEXAROTENE ET LEUR UTILISATION DANS LE TRAITEMENT DU CANCER**
[72] TSAI, DONALD, US
[72] KAELIN, DAVID, US
[71] DJ THERAPEUTICS LLC, US
[85] 2020-08-31
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[54] **CRYSTALLINE FORMS OF AN SGC STIMULATOR**
[54] **FORMES CRISTALLINES D'UN STIMULATEUR DE SGC**
[72] NTI-ADDAE, KWAME W., US
[72] PRASAD, LEENA KUMARI, US
[72] STORZ, THOMAS, US
[71] CYCLERION THERAPEUTICS, INC., US
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[54] **INFECTION DETECTION SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE DETECTION D'INFECTION**
[72] VICTOR, JOHN C., US
[72] ROWE, DAVID T., US
[72] DENLINGER, RODNEY W., US
[72] WAGNER, VICTORIA E., US
[72] BOUCHARD, MICHAEL A., US
[72] ZHANG, ZHENG, US
[71] TELEFLEX MEDICAL INCORPORATED, US
[85] 2020-08-31
[86] 2019-03-01 (PCT/US2019/020336)
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[54] **MEDICAL INFUSION PUMP FOR DELIVERY OF A FLUID**
[54] **POMPE A PERFUSION MEDICALE POUR L'ADMINISTRATION D'UN FLUIDE**
[72] OSHINSKI, MATTHEW, US
[72] SANDMANN, CHRISTIAN, US
[72] WALSH, TIMOTHY, US
[71] BECTON, DICKINSON AND COMPANY, US
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[54] **DUAL SPECIFICITY ANTIBODIES TO HUMAN PD-L1 AND PD-L2 AND METHODS OF USE THEREFOR**
[54] **ANTICORPS A DOUBLE SPECIFICITE POUR PD-L1 ET PD-L2 HUMAINS ET LEURS PROCEDES D'UTILISATION**
[72] CURRAN, MICHAEL A., US
[72] JAISWAL, ASHVIN R., US
[72] ZHA, DONGXING, US
[72] TONIATTI, CARLO, US
[72] PRINZ, BIANKA, US
[72] BOLAND, NADTHAKAM, US
[72] KRAULAND, ERIC, US
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[54] **IMPLANTABLE CONTINUOUS-FLOW PUMPS**
[54] **POMPES A FLUX CONTINU IMPLANTABLES**
[72] SHIH, JASON, US
[72] HARBERS, GREGORY, US
[72] PURVIS, RICHARD, US
[72] MATSUOKA, MIHO, US
[72] URAZAKI, ANDREW, US
[72] HUMAYUN, MARK, US
[72] BRANDT, ANDREW WILLIAM, US
[72] LOTFI, ATOOSA, US
[72] SAGAN, DIDIER, US
[72] DUNNA, ANDREW, US
[71] MINIPUMPS LLC, US
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[86] 2019-03-01 (PCT/US2019/020351)
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[54] **COMMUNICATION DEVICES, METHODS, AND SYSTEMS**
[54] **DISPOSITIFS, PROCEDES ET SYSTEMES DE COMMUNICATION**
[72] LEAPER, MATTHEW ROBERT, US
[71] PATENT HOLDING COMPANY 001, LLC, US
[85] 2020-08-31
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[54] **SYRINGE STOPPER AND PLUNGER ROD ARRANGEMENT FOR A SYRINGE ASSEMBLY**
[54] **BOUCHON DE SERINGUE ET AGENCEMENT DE TIGE DE PISTON POUR UN ENSEMBLE SERINGUE**
[72] RYAN, KEVIN M., US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2020-08-31
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[54] **MULTIPLE PASS FIBER OPTIC ROTARY JOINT**
[54] **JOINT ROTATIF A FIBRES OPTIQUES A PASSAGES MULTIPLES**
[72] JERICHO, STEFAN K., CA
[71] MOOG INC., US
[85] 2020-08-31
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[54] **CPG AMPHIPHILES AND USES THEREOF**
[54] **AMPHIPHILES CPG ET LEURS UTILISATIONS**
[72] DEMUTH, PETER C., US
[72] STEINBUCK, MARTIN, US
[71] ELICIO THERAPEUTICS INC., US
[85] 2020-08-31
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[54] **SYSTEMS AND METHODS FOR FOOD ANALYSIS, PERSONALIZED RECOMMENDATIONS, AND HEALTH MANAGEMENT**
[54] **SYSTEMES ET PROCEDES D'ANALYSE D'ALIMENTS, DE RECOMMANDATIONS PERSONNALISEES ET DE GESTION SANITAIRE**
[72] HADAD, YARON, US
[72] LIPNIK, JONATHAN, IL
[71] MEDTRONIC MINIMED, INC., US
[85] 2020-08-31
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[54] **HUMAN PD-L2 ANTIBODIES AND METHODS OF USE THEREFOR**
[54] **ANTICORPS ANTI-PD-L2 HUMAINS ET LEURS PROCEDES D'UTILISATION**
[72] CURRAN, MICHAEL A., US
[72] JAISWAL, ASHVIN R., US
[72] ZHA, DONGXING, US
[72] VOO, KUI, US
[72] TONIATTI, CARLO, US
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[72] BOLAND, NADTHAKARN, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **ARTICLE DE NETTOYAGE A TOUFFES D'ETOUPE DE TAILLE DIFFERENTIELLE**
[72] POLICICCHIO, NICOLA JOHN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2020-08-31
[86] 2019-03-22 (PCT/US2019/023578)
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[30] US (15/943,741) 2018-04-03

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[54] **HIGHLY-TIME RESOLVED MYOCARDIAL BLOOD-OXYGEN-LEVEL-DEPENDENT MAGNETIC RESONANCE IMAGING**
[54] **IMAGERIE PAR RESONANCE MAGNETIQUE DEPENDANT DU NIVEAU D'OXYGENE SANGUIN MYOCARDIQUE, A RESOLUTION TEMPORELLE ELEVEE**
[72] DHARMAKUMAR, ROHAN, US
[72] YANG, HSIN-JUNG, US
[71] CEDARS-SINAI MEDICAL CENTER, US
[85] 2020-08-31
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[25] EN
[54] **ELIMINATION OF CD19-POSITIVE LYMPHOID MALIGNANCIES BY CD19-CAR EXPRESSING NK CELLS**
[54] **ELIMINATION DE MALIGNITES LYMPHOIDES CD19 POSITIVES PAR DES CELLULES NK EXPRIMANT LE CD19-CAR**
[72] KLINGEMANN, HANS G., US
[72] BOISSEL, LAURENT H., US
[72] SOON-SHIONG, PATRICK, US
[71] NANTKWEST, INC., US
[85] 2020-08-31
[86] 2019-08-01 (PCT/US2019/044691)
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[54] **ENGINEERED FENCE PANELS AND PROCESS**
[54] **PANNEAUX DE CLOTURE TRANSFORMES ET PROCEDE**
[72] BARNES, ADINA, US
[72] LINE, JARROD KEVIN, US
[72] MERRICK, GARETH PAUL, US
[71] LOUISIANA-PACIFIC CORPORATION, US
[85] 2020-05-11
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[54] **SIMULATION-BASED TRAINING AND ASSESSMENT SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES DE FORMATION ET D'ESTIMATION BASES SUR UNE SIMULATION**
[72] LINDKVIST, JOHAN LENNART, SE
[72] GALLAGHER, ANTHONY GERALD, IE
[71] MENTICE, INC., US
[85] 2020-08-31
[86] 2019-05-03 (PCT/US2019/030755)
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[30] US (62/667,500) 2018-05-05

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[25] EN
[54] **BLOOD COLLECTION TUBE HOLDER WITH SINGLE NEEDLE**
[54] **SUPPORT DE TUBE DE PRELEVEMENT SANGUIN A AIGUILLE UNIQUE**
[72] SHAW, THOMAS J., US
[72] SMALL, MARK, US
[72] ZHU, NI, US
[71] RETRACTABLE TECHNOLOGIES, INC., US
[71] SHAW, THOMAS J., US
[85] 2020-09-01
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[30] US (62/644,211) 2018-03-16
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[54] **DATA RETENTION HANDLING FOR DATA OBJECT STORES**
[54] **GESTION DE RETENTION DE DONNEES POUR MAGASINS D'OBJETS DE DONNEES**
[72] LIU, SHU, US
[72] SHAHKARAMI, ERIC, US
[72] CHAN, YUK HEI, US
[72] CHEN, MING-YANG, US
[72] SKUCHA, KARL RYSZARD, US
[72] LEVINE, ELI, US
[72] AU, KA CHUN, US
[71] SALESFORCE.COM, INC., US
[85] 2020-09-01
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[30] US (15/910,837) 2018-03-02

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[54] **SYSTEMS AND METHODS FOR GENERATING A DYNAMICALLY ADJUSTABLE DIAL PAD**
[54] **SYSTEMES ET PROCEDES POUR LA GENERATION D'UN CLAVIER DYNAMIQUEMENT AJUSTABLE**
[72] RIVERA, JONATHAN ORTIZ, US
[72] SANCHEZ, GABRIEL ALBORS, US
[72] AGARWAL, PAVAN, US
[71] PAG FINANCIAL INTERNATIONAL LLC, US
[85] 2020-09-01
[86] 2019-02-07 (PCT/US2019/017128)
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[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A DYNAMICALLY ADJUSTABLE DIAL PAD**
[54] **SYSTEMES ET PROCEDES DE GENERATION D'UN CLAVIER TELEPHONIQUE REGLABLE DYNAMIQUEMENT**
[72] RIVERA, JONATHAN ORTIZ, US
[72] SANCHEZ, GABRIEL ALBORS, US
[72] AGARWAL, RAVAN, US
[71] PAG FINANCIAL INTERNATIONAL LLC, US
[85] 2020-09-01
[86] 2019-02-07 (PCT/US2019/017130)
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[30] US (15/909,928) 2018-03-01

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[25] EN
[54] **NANO-INDENTATION TESTS TO CHARACTERIZE HYDRAULIC FRACTURES**
[54] **ESSAIS DE NANO-RETRAIT PERMETTANT LA CARACTERISATION DE FRACTURES HYDRAULIQUES**
[72] HULL, KATHERINE LEIGH, US
[72] ABOUSLEIMAN, YOUNANE N., US
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2020-09-01
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[54] **IMPROVEMENTS TO AUTOMATIC SELECTIVE TRANSPLANTERS**
[54] **AMELIORATIONS APPORTEES A DES REPIQUEUSES SELECTIVES AUTOMATIQUES**
[72] WILLIAMES, GEOFFREY ALAN, AU
[71] WILLIAMES PTY LTD, AU
[85] 2020-09-01
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[54] **SYSTEME ET PROCEDE DE DECOMPOSITION DE DECHETS ALIMENTAIRES**
[72] HOEN, JASON, AU
[72] DINN, ROHAN, AU
[72] NEWMAN, PAUL, GB
[72] ROTHWELL, NEAL, GB
[72] SHARIFI-JAMALI, SIAMAK, GB
[72] MCCARTNEY, BRIAN, GB
[72] PINCHEN, STEPHEN, GB
[72] BUSH, PAUL, GB
[72] BRIERLEY, NEIL, GB
[71] GREEN ECO INTERNATIONAL PTY LTD, AU
[85] 2020-09-01
[86] 2018-05-25 (PCT/AU2018/050517)
[87] (WO2019/169425)
[30] AU (2018900780) 2018-03-09
[30] AU (2018901669) 2018-05-11

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[13] A1
[51] **Int.Cl. C12N 1/20 (2006.01) A61K 35/747 (2015.01)**
[25] EN
[54] **A NOVEL PROBIOTIC LACTOBACILLUS CASEI STRAIN AND ITS USES**
[54] **NOUVELLE SOUCHE DE LACTOBACILLUS CASEI PROBIOTIQUE ET SES UTILISATIONS**
[72] ALLONSIUS, CAMILLE, BE
[72] DE BOECK, ILKE, BE
[72] WITTOUCK, STIJN, BE
[72] WUYTS, SANDER, BE
[72] LEBEER, SARAH, BE
[72] HELLINGS, PETER, BE
[71] UNIVERSITEIT ANTWERPEN, BE
[71] KU LEUVEN RESEARCH & DEVELOPMENT, BE
[85] 2020-09-01
[86] 2018-03-23 (PCT/EP2018/057497)
[87] (WO2018/172537)
[30] EP (17162658.3) 2017-03-23

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[13] A1
[51] **Int.Cl. A23J 3/04 (2006.01) A23P 30/10 (2016.01) A23J 3/06 (2006.01)**
[25] EN
[54] **PROTEIN FOOD BAR**
[54] **BARRE ALIMENTAIRE PROTEIQUE**
[72] LEGGE, MATTHEW, AU
[72] DOIDGE, JEFF, AU
[72] KAPELERIS, JOHN, AU
[72] DOIDGE, TONI, AU
[71] ATP INSTITUTE PTY LTD, AU
[85] 2020-09-01
[86] 2019-03-05 (PCT/AU2019/050185)
[87] (WO2019/169433)
[30] AU (2018900701) 2018-03-05
[30] AU (2018903625) 2018-09-26
[30] AU (2018904659) 2018-12-07

[21] **3,092,730**
[13] A1
[51] **Int.Cl. C22B 1/02 (2006.01) B22F 9/08 (2006.01) B22F 9/16 (2006.01) C22B 3/04 (2006.01) C22B 9/20 (2006.01) C22B 11/00 (2006.01)**
[25] EN
[54] **METHOD FOR SELECTIVELY OXIDIZING METALS OF AN ALLOY**
[54] **PROCEDE D'OXYDATION SELECTIVE DES METAUX D'UN ALLIAGE**
[72] HANNAH, MAURICE-MICHAEL, CA
[72] LUTTJEHUIZEN, KEVIN, CA
[71] AURUM INTEGRA INC., CA
[85] 2020-09-01
[86] 2019-03-01 (PCT/CA2019/050251)
[87] (WO2019/165560)
[30] US (62/636,878) 2018-03-01

[21] **3,092,731**
[13] A1
[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/53 (2006.01) A61F 13/535 (2006.01)**
[25] EN
[54] **DISPOSABLE ABSORBENT HYGIENE PRODUCT COMPRISING ABSORBENT ASSEMBLY**
[54] **PRODUIT D'HYGIENE ABSORBANT JETABLE COMPRENANT UN ENSEMBLE ABSORBANT**
[72] GUIDOTTI, EDWARD, SE
[72] MEYER NOREN, RIKARD, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2020-09-01
[86] 2018-03-26 (PCT/EP2018/057657)
[87] (WO2019/185112)

[21] **3,092,732**
[13] A1
[51] **Int.Cl. B29C 65/36 (2006.01) B21D 51/44 (2006.01) B21D 51/46 (2006.01) B29C 33/06 (2006.01) B29C 35/08 (2006.01) B29C 65/00 (2006.01) B29C 65/46 (2006.01) B29C 65/78 (2006.01) B65D 17/28 (2006.01) B65D 17/347 (2006.01) B65D 17/50 (2006.01) B29C 33/40 (2006.01)**
[25] EN
[54] **METHOD OF MANUFACTURING A CAN LID COMPOSED OF A COMPOSITE MATERIAL**
[54] **PROCEDE DE FABRICATION D'UN COUVERCLE DE BOITE A PARTIR D'UN MATERIAU COMPOSITE**
[72] PIECH, GREGOR ANTON, AT
[71] TOP CAP HOLDING GMBH, AT
[85] 2020-09-01
[86] 2019-02-11 (PCT/EP2019/053264)
[87] (WO2019/185225)
[30] EP (18164546.6) 2018-03-28

[21] **3,092,734**
[13] A1
[51] **Int.Cl. B41M 5/333 (2006.01) C07C 233/64 (2006.01) C07C 311/15 (2006.01) B41M 5/327 (2006.01) B41M 5/337 (2006.01)**
[25] EN
[54] **HEAT SENSITIVE RECORDING MATERIAL AND COLOR DEVELOPER**
[54] **MATERIAU D'ENREGISTREMENT THERMOSENSIBLE ET DEVELOPPEUR DE COULEUR**
[72] FEILER, LEONHARD, CH
[72] BACHMANN, FRANK, CH
[72] KOLAMBKAR, PRACHIN, IN
[72] WAKHARE, VILAS, IN
[72] KULKARNI, PRITI, IN
[72] O'NEIL, ROBERT MONTGOMERY, GB
[71] SOLENIS TECHNOLOGIES CAYMAN, L.P., KY
[85] 2020-09-01
[86] 2019-03-01 (PCT/EP2019/055099)
[87] (WO2019/166608)
[30] EP (18159670.1) 2018-03-02

[21] **3,092,735**
[13] A1
[51] **Int.Cl. B29C 45/77 (2006.01) B29C 45/17 (2006.01) B29C 45/78 (2006.01)**
[25] EN
[54] **METHOD FOR MICRO-MOLDING ARTICLES**
[54] **PROCEDE DE MICROMOULAGES D'ARTICLES**
[72] SCHMIDT, HARALD, CA
[71] WESTFALL ACQUISITION III, INC., US
[85] 2020-09-01
[86] 2018-04-03 (PCT/CA2018/050407)
[87] (WO2019/191829)

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[13] A1
[51] **Int.Cl. A24B 15/16 (2020.01) A24D 3/06 (2006.01) A24F 47/00 (2020.01)**
[25] EN
[54] **AEROSOL GENERATION**
[54] **GENERATION D'AEROSOL**
[72] HEPWORTH, RICHARD, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-09-01
[86] 2019-03-01 (PCT/EP2019/055179)
[87] (WO2019/166640)
[30] GB (1803424.9) 2018-03-02

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[13] A1
[51] **Int.Cl. A61B 5/00 (2006.01) A61B 18/04 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR INTRACRANIAL IMAGING AND TREATMENT**
[54] **SYSTEME D'IMAGERIE ET DE TRAITEMENT INTRACRANIENS**
[72] RILEY, JASON DAVID RICHARD, CA
[72] COOK, DOUGLAS JAMES, CA
[71] ARCHEOPTIX BIOMEDICAL INC., CA
[85] 2020-09-01
[86] 2019-03-01 (PCT/CA2019/050243)
[87] (WO2019/165554)
[30] US (62/636,921) 2018-03-01

[21] **3,092,739**
[13] A1
[51] **Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6888 (2018.01)**
[25] EN
[54] **OLIGONUCLEOTIDES AND METHODS FOR INTERNAL CONTROL OF EUKARYOTIC DNA AMPLIFICATION REACTIONS**
[54] **OLIGONUCLEOTIDES ET PROCEDES DE CONTROLE INTERNE DE REACTIONS D'AMPLIFICATION D'ADN EUCARYOTES**
[72] OBERKOFLER, VICKY, IT
[72] JANIK, KATRIN, IT
[71] CENTRO DI SPERIMENTAZIONE LAIMBURG, IT
[85] 2020-09-01
[86] 2019-03-06 (PCT/EP2019/055506)
[87] (WO2019/170709)
[30] IT (102018000003299) 2018-03-06

[21] **3,092,740**
[13] A1
[51] **Int.Cl. C12N 5/0783 (2010.01)**
[25] EN
[54] **METHOD FOR OBTAINING REGULATORY T CELLS DERIVED FROM THYMIC TISSUE AND USE OF SAID CELLS AS CELL IMMUNOTHERAPY IN IMMUNE SYSTEM DISORDERS**
[54] **PROCEDE D'OBTENTION DE LYMPHOCYTES T REGULATEURS DERIVES DE TISSU THYMIQUE ET UTILISATION DESDITES CELLULES EN TANT QU'IMMUNOTHERAPIE CELLULAIRE DANS DES TROUBLES DU SYSTEME IMMUNITAIRE**
[72] CORREA ROCHA, RAFAEL, ES
[72] PION, MARJORIE, ES
[72] BERNALDO DE QUIROS PLAZA, ESTHER, ES
[71] FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL GREGORIO MARANON, ES
[85] 2020-09-01
[86] 2019-03-01 (PCT/EP2019/055221)
[87] (WO2019/166658)
[30] ES (P201830197) 2018-03-01

[21] **3,092,741**
[13] A1
[51] **Int.Cl. E02D 17/13 (2006.01) E02F 3/20 (2006.01)**
[25] EN
[54] **TRENCH CUTTER AND METHOD FOR PRODUCING A CUT TRENCH IN THE SOIL**
[54] **FRAISE POUR PAROIS MOULEES ET PROCEDE SERVANT A PRATIQUER UNE ENTAILLE DE FRAISAGE DANS LE SOL**
[72] DOMANSKI, THOMAS, MY
[72] VAN DER WAAL, KARL, MY
[71] BAUER SPEZIALTIEFBAU GMBH, DE
[85] 2020-09-01
[86] 2019-03-06 (PCT/EP2019/055606)
[87] (WO2019/179770)

[21] **3,092,742**
[13] A1
[51] **Int.Cl. G21F 5/12 (2006.01) B65D 85/00 (2006.01) G21F 5/015 (2006.01) G21F 5/14 (2006.01)**
[25] EN
[54] **COMPRESSION MEMBER FOR BIOHAZARDOUS MATERIAL TRANSPORTING PIG**
[54] **ELEMENT DE COMPRESSION POUR RACLEUR DE TRANSPORT DE MATIERE NOCIVE POUR L'ORGANISME**
[72] KAMEN, ROBERT, CA
[71] KAMEN, ROBERT, CA
[85] 2020-09-01
[86] 2019-03-06 (PCT/CA2019/050274)
[87] (WO2019/169495)
[30] US (62/640,683) 2018-03-09

[21] **3,092,743**
[13] A1
[51] **Int.Cl. A61M 1/06 (2006.01) G01W 1/14 (2006.01)**
[25] EN
[54] **BREASTSHIELD UNIT**
[54] **UNITE DE TETERELLE**
[72] THURING, MARTIN, CH
[72] HONER, SEBASTIAN, CH
[71] MEDELA HOLDING AG, CH
[85] 2020-09-01
[86] 2019-03-04 (PCT/EP2019/055240)
[87] (WO2019/170566)
[30] EP (18160184.0) 2018-03-06

[21] **3,092,745**
[13] A1
[51] **Int.Cl. A61K 6/90 (2020.01) C08F 290/06 (2006.01)**
[25] EN
[54] **DENTAL IMPRESSION MATERIAL**
[54] **MATERIAU POUR EMPREINTE DENTAIRE**
[72] KLEE, JOACHIM, DE
[72] SZILLAT, FLORIAN, DE
[72] MAIER, MAXIMILIAN, DE
[72] YON, MARJORIE, FR
[72] LALEVEE, JACQUES, FR
[72] KIRSCHNER, JULIE, FR
[72] MORLET-SAVARY, FABRICE, FR
[72] DIETLIN, CELINE, FR
[71] DENTSPLY DETREY GMBH, DE
[85] 2020-09-01
[86] 2019-03-07 (PCT/EP2019/055730)
[87] (WO2019/170811)
[30] EP (18160497.6) 2018-03-07

[21] **3,092,746**
[13] A1
[51] **Int.Cl. A61K 6/61 (2020.01) A61K 6/884 (2020.01)**
[25] EN
[54] **DENTAL COMPOSITION**
[54] **COMPOSITION DENTAIRE**
[72] SZILLAT, FLORIAN, DE
[72] RENN, CAROLINE, DE
[72] SCHEUFLER, CHRISTIAN, DE
[72] BRENNEISEN, JORG, DE
[71] DENTSPLY DETREY GMBH, DE
[85] 2020-09-01
[86] 2019-03-05 (PCT/EP2019/055393)
[87] (WO2019/170640)
[30] EP (18160500.7) 2018-03-07

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[13] A1
[51] **Int.Cl. C07D 207/16 (2006.01) A61K 31/401 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **PYRROLIDINEAMIDE DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE PYRROLIDINEAMIDE ET LEURS UTILISATIONS**
[72] JIN, CHUANFEI, CN
[72] CHEN, KANGZHI, CN
[72] ZHANG, YINGJUN, CN
[71] SUNSHINE LAKE PHARMA CO., LTD., CN
[85] 2020-09-01
[86] 2019-03-07 (PCT/CN2019/077249)
[87] (WO2019/170115)
[30] CN (201810192198.6) 2018-03-08

[21] **3,092,748**
[13] A1
[51] **Int.Cl. C07D 249/12 (2006.01) A01N 43/653 (2006.01) C07D 249/08 (2006.01) C07D 405/06 (2006.01)**
[25] EN
[54] **A PROCESS FOR PREPARATION OF FUNGICIDALLY ACTIVE TRIAZOLE COMPOUNDS**
[54] **PROCEDE DE PREPARATION DE COMPOSES DE TRIAZOLE A ACTIVITE FONGICIDE**
[72] PANDIT, SADANAND SADASHIV, IN
[72] VITHALDAS, TALATI PARESH, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
[85] 2020-09-01
[86] 2018-06-04 (PCT/IB2018/053969)
[87] (WO2019/171160)
[30] IN (201831008236) 2018-03-06

[21] **3,092,749**
[13] A1
[51] **Int.Cl. C07D 217/02 (2006.01) A61K 31/472 (2006.01)**
[25] EN
[54] **DEUTERATED COMPOUNDS AS ROCK INHIBITORS**
[54] **COMPOSES DEUTERES UTILISES EN TANT QU'INHIBITEURS DE ROCK**
[72] TAN, RUI, CN
[72] ZHANG, WEIPENG, CN
[72] WANG, YUNLING, CN
[72] ZHAO, XINGDONG, CN
[72] CHENG, TAO, CN
[72] LIN, SHU, US
[72] WANG, WEIBO, US
[71] FOCHON PHARMACEUTICALS, LTD., CN
[71] SHANGHAI FOCHON PHARMACEUTICAL CO., LTD., CN
[85] 2020-09-01
[86] 2019-03-22 (PCT/CN2019/079326)
[87] (WO2019/179525)
[30] US (62/647,581) 2018-03-23
[30] US (62/711,375) 2018-07-27

[21] **3,092,750**
[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM FOR THE TRANSDERMAL ADMINISTRATION OF BUPRENORPHINE COMPRISING A SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE POUR L'ADMINISTRATION TRANSDERMIQUE DE BUPRENORPHINE COMPRENANT UN POLYMERE HYBRIDE SILICONE-ACRYLIQUE**
[72] EMGENBROICH, MARCO, DE
[72] WAUER, GABRIEL, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-09-01
[86] 2019-03-11 (PCT/EP2019/056010)
[87] (WO2019/175096)
[30] EP (18161418.1) 2018-03-13

[21] **3,092,751**
[13] A1
[51] **Int.Cl. A01G 23/10 (2006.01)**
[25] EN
[54] **METHOD TO STIMULATE TREE SAP SELF-EJECTION FROM A TREE**
[54] **PROCEDE POUR STIMULER UNE AUTO-INJECTION DE SEVE D'ARBRE A PARTIR D'UN ARBRE**
[72] OLDEWENING, SCOTT, CA
[71] OLDEWENING, SCOTT, CA
[85] 2020-09-01
[86] 2019-03-13 (PCT/IB2019/000473)
[87] (WO2019/197906)
[30] US (62/642,278) 2018-03-13
[30] US (16/352,216) 2019-03-13

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[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM COMPRISING A SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE COMPRENANT UN POLYMERE HYBRIDE SILICONE-ACRYLIQUE**
[72] EMGENBROICH, MARCO, DE
[72] WAUER, GABRIEL, DE
[72] LINN, MICHAEL, DE
[72] BOHM, ROLF, DE
[72] SCHMITZ, CHRISTOPH, DE
[72] KAUFMANN, REGINE, DE
[72] WOLF, HANS-WERNER, DE
[72] REUM, NICO, DE
[72] SCHLUTER, ANNA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-09-01
[86] 2019-03-11 (PCT/EP2019/056025)
[87] (WO2019/175106)
[30] EP (18161436.3) 2018-03-13

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[13] A1
[51] **Int.Cl. A61K 31/437 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **SYNERGISTIC ANTITUMOR EFFECT OF BCL-2 INHIBITOR COMBINED WITH RITUXIMAB AND/OR BENDAMUSTINE OR BCL-2 INHIBITOR COMBINED WITH CHOP**
[54] **EFFET ANTITUMORAL SYNERGIQUE D'UN INHIBITEUR DE BCL-2 COMBINE AVEC DU RITUXIMAB ET/OU DE LA BENDAMUSTINE OU D'UN INHIBITEUR DE BCL-2 COMBINE A CHOP**
[72] YANG, DAJUN, CN
[72] ZHAI, YIFAN, CN
[72] WANG, GUANGFENG, CN
[71] ASCENTAGE PHARMA (SUZHOU) CO., LTD., CN
[85] 2020-09-01
[86] 2019-07-22 (PCT/CN2019/097028)
[87] (WO2020/024826)
[30] CN (201810867252.2) 2018-07-31

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[13] A1
[51] **Int.Cl. F24F 13/28 (2006.01) B01D 27/06 (2006.01) B01D 46/00 (2006.01) B01D 46/40 (2006.01)**
[25] EN
[54] **VENTILATION ASSEMBLY**
[54] **ENSEMBLE DE VENTILATION**
[72] PAOLO, NARCISO, IT
[71] HSD HOLDING SMART DEVICE S.R.L., IT
[85] 2020-09-01
[86] 2019-02-20 (PCT/IB2019/051379)
[87] (WO2019/171195)
[30] IT (102018000003381) 2018-03-08

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[13] A1
[51] **Int.Cl. A61F 9/06 (2006.01)**
[25] EN
[54] **AUTO-DARKENING WELDING HELMET**
[54] **CASQUE DE SOUDEUR A OBSCURCISSEMENT AUTOMATIQUE**
[72] WU, ZIQIAN, CN
[71] TECMEN ELECTRONICS CO., LTD., CN
[85] 2020-09-01
[86] 2019-08-12 (PCT/CN2019/100207)
[87] (WO2020/082859)
[30] CN (201811281541.0) 2018-10-23
[30] CN (201821722015.9) 2018-10-23

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[13] A1
[51] **Int.Cl. G01S 1/72 (2006.01) G01S 1/76 (2006.01) G01S 1/78 (2006.01) G01S 5/18 (2006.01)**
[25] EN
[54] **ACOUSTIC POSITIONING TRANSMITTER AND RECEIVER SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'EMETTEUR ET DE RECEPTEUR DE POSITIONNEMENT ACOUSTIQUE**
[72] BOOIJ, WILFRED EDWIN, NO
[72] WELLE, KNUT, NO
[72] TEN VELDHUIS, THYS, NO
[72] ENGELHARDTSEN, FRITJOF BOGER, NO
[71] BOOIJ, WILFRED EDWIN, NO
[71] WELLE, KNUT, NO
[71] TEN VELDHUIS, THYS, NO
[71] ENGELHARDTSEN, FRITJOF BOGER, NO
[85] 2020-09-01
[86] 2019-02-28 (PCT/IB2019/051626)
[87] (WO2019/166988)
[30] US (62/637,518) 2018-03-02

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[13] A1
[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/27 (2006.01) A61K 31/465 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01) A61P 25/16 (2006.01) A61P 25/26 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM COMPRISING A SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE COMPRENANT UN POLYMERE HYBRIDE ACRYLIQUE-SILICONE**
[72] EMGENBROICH, MARCO, DE
[72] WAUER, GABRIEL, DE
[72] LINN, MICHAEL, DE
[72] BOHM, ROLF, DE
[72] SCHMITZ, CHRISTOPH, DE
[72] KAUFMANN, REGINE, DE
[72] WOLF, HANS-WERNER, DE
[72] REUM, NICO, DE
[72] SCHLUTER, ANNA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-09-01
[86] 2019-03-11 (PCT/EP2019/056028)
[87] (WO2019/175109)
[30] EP (18161437.1) 2018-03-13

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[13] A1
[51] **Int.Cl. D01F 1/09 (2006.01) B82Y 30/00 (2011.01) D02G 3/02 (2006.01) D02G 3/36 (2006.01) H01B 1/22 (2006.01)**
[25] EN
[54] **NANOMATERIAL-COATED FIBERS**
[54] **FIBRES REVETUES DE NANOMATERIAUX**
[72] FOWLER, PAUL, CA
[72] DEMONSANT, CHARLOTTE, FR
[72] DANGREMONT, ADRIEN, FR
[72] SCHULMAN, RAFAEL, CA
[72] DALNOKI-VERESS, KAROLY J.T., CA
[72] ARMSTRONG, CLARE LINDSAY, CA
[71] MESOMAT INC., CA
[85] 2020-09-01
[86] 2019-02-28 (PCT/IB2019/051634)
[87] (WO2019/166993)
[30] US (62/637,699) 2018-03-02

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[13] A1
[51] **Int.Cl. B66B 5/00 (2006.01)**
[25] EN
[54] **LIFT INSTALLATION, GUIDE RAILS FOR SAID LIFT, KIT FOR MONITORING SAID INSTALLATION AND METHODS FOR MONITORING AND USE THEREOF**
[54] **INSTALLATION DE LEVAGE, RAILS DE GUIDAGE POUR LADITE INSTALLATION DE LEVAGE, KIT DE SURVEILLANCE DE LADITE INSTALLATION ET PROCEDES DE SURVEILLANCE ET D'UTILISATION DE CELLE-CI**
[72] MANCINI, GIUSEPPE, IT
[72] ZAPPA, ROBERTO, IT
[71] SAFECERTIFIEDSTRUCTURE TECNOLOGIA S.P.A., IT
[85] 2020-09-01
[86] 2019-03-01 (PCT/IB2019/051672)
[87] (WO2019/167018)
[30] IT (102018000003252) 2018-03-02

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[13] A1
[51] **Int.Cl. F23G 5/44 (2006.01) F23G 5/027 (2006.01) F23J 15/02 (2006.01)**
[25] EN
[54] **OPTIMIZED PROCESS AND SYSTEM FOR THE PRODUCTION OF A HEATED FLUID BY MEANS OF COMBUSTION OF A FUEL**
[54] **PROCEDE ET SYSTEME OPTIMISES POUR LA PRODUCTION D'UN FLUIDE CHAUFFE PAR COMBUSTION D'UN CARBURANT**
[72] VEZZANI, MASSIMO, IT
[71] VOMM IMPIANTI E PROCESSI S.P.A., IT
[85] 2020-09-01
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[51] **Int.Cl. F01K 25/10 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR POWER PRODUCTION USING A CARBON DIOXIDE WORKING FLUID**
[54] **SYSTEMES ET PROCEDES DE PRODUCTION D'ENERGIE UTILISANT LE DIOXYDE DE CARBONE COMME FLUIDE DE TRAVAIL**
[72] ALLAM, RODNEY JOHN, GB
[71] 8 RIVERS CAPITAL, LLC, US
[85] 2020-09-01
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[30] US (62/637,542) 2018-03-02

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[25] EN
[54] **MEAT ANALOGS COMPRISING THIN FLAKES FOR FOOD COMPOSITIONS**
[54] **ANALOGUES DE VIANDE COMPRENANT DES LAMELLES MINCES POUR COMPOSITIONS ALIMENTAIRES**
[72] INGOGLIA, CAROLINE, FR
[72] ROUANET, LAURENT, FR
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-09-01
[86] 2019-03-06 (PCT/IB2019/051818)
[87] (WO2019/171298)
[30] US (62/639,276) 2018-03-06

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[54] **USER CREATED CONTENT REFERRAL AND SEARCH**
[54] **REFERENCE ET RECHERCHE DE CONTENU CREE PAR UN UTILISATEUR**
[72] VILLAFANE, MILDRED MARIA, MX
[71] TAPTEN INC., US
[85] 2020-09-01
[86] 2019-03-06 (PCT/IB2019/051823)
[87] (WO2019/171302)
[30] US (62/639,445) 2018-03-06
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[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/465 (2006.01) A61P 25/16 (2006.01) A61P 25/26 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM CONTAINING NICOTINE AND SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE CONTENANT DE LA NICOTINE ET UN POLYMERE HYBRIDE ACRYLIQUE-SILICONE**
[72] LINN, MICHAEL, DE
[72] SCHMITZ, CHRISTOPH, DE
[72] BOHM, ROLF, DE
[72] EMGENBROICH, MARCO, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-09-01
[86] 2019-03-11 (PCT/EP2019/056048)
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[54] **RECOMMENDATION ACKNOWLEDGEMENT AND TRACKING**
[54] **CONFIRMATION ET SUIVI DE RECOMMANDATION**
[72] VILLAFANE, MILDRED MARIA, MX
[71] TAPTEN INC., US
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[54] **SEARCH ENGINE SCORING AND RANKING**
[54] **NOTATION ET CLASSEMENT DE MOTEUR DE RECHERCHE**
[72] VILLAFANE, MILDRED MARIA, MX
[71] TAPTEN INC., US
[85] 2020-09-01
[86] 2019-03-06 (PCT/IB2019/051828)
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[30] US (62/639,445) 2018-03-06
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[30] US (16/294,241) 2019-03-06

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[25] EN
[54] **SUBSTITUTED IMIDAZOLIDIN-2-ONE DERIVATIVES AS PRMT5 INHIBITORS**
[54] **DERIVES D'IMIDAZOLIDINE-2-ONE SUBSTITUES EN TANT QU'INHIBITEURS DE PRMT5**
[72] CHIKKANNA, DINESH, IN
[72] PANIGRAHI, SUNIL KUMAR, IN
[72] SAMMETA, SRINIVASA RAJU, IN
[71] AURIGENE DISCOVERY TECHNOLOGIES LIMITED, IN
[85] 2020-09-01
[86] 2019-03-20 (PCT/IB2019/052252)
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[30] IN (201841010656) 2018-03-22

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[51] **Int.Cl. B03D 1/08 (2006.01) B05B 15/528 (2018.01) B03D 1/14 (2006.01) B05B 1/18 (2006.01)**
[25] EN
[54] **FLOTATION MACHINE APPARATUS AND METHOD OF USING THE SAME**
[54] **APPAREIL DE TYPE MACHINE DE FLOTTATION ET SON PROCEDE D'UTILISATION**
[72] WALKER, MATHEW, US
[71] FLSMIDTH A/S, DK
[85] 2020-09-01
[86] 2019-03-22 (PCT/IB2019/052361)
[87] (WO2019/180682)
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[51] **Int.Cl. A61F 9/04 (2006.01) A61F 9/06 (2006.01)**
[25] EN
[54] **COMBINATION OF A GOGGLE AND A FACE MASK**
[54] **COMBINAISON DE LUNETTES DE PROTECTION ET D'UN MASQUE FACIAL**
[72] WU, ZIQIAN, CN
[71] TECMEN ELECTRONICS CO., LTD., CN
[85] 2020-09-01
[86] 2019-09-30 (PCT/CN2019/109313)
[87] (WO2020/083010)
[30] CN (201811239716.1) 2018-10-23
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[51] **Int.Cl. A61K 9/70 (2006.01) A61K 31/27 (2006.01) A61K 31/465 (2006.01) A61K 31/485 (2006.01) A61P 25/04 (2006.01) A61P 25/16 (2006.01) A61P 25/26 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **TRANSDERMAL THERAPEUTIC SYSTEM COMPRISING A SILICONE ACRYLIC HYBRID POLYMER**
[54] **SYSTEME THERAPEUTIQUE TRANSDERMIQUE COMPRENANT UN POLYMERE HYBRIDE SILICONE-ACRYLIQUE**
[72] EMGENBROICH, MARCO, DE
[72] WAUER, GABRIEL, DE
[72] LINN, MICHAEL, DE
[72] BOHM, ROLF, DE
[72] SCHMITZ, CHRISTOPH, DE
[72] KAUFMANN, REGINE, DE
[72] WOLF, HANS-WERNER, DE
[72] REUM, NICO, DE
[72] SCHLUTER, ANNA, DE
[71] LTS LOHMANN THERAPIE-SYSTEME AG, DE
[85] 2020-09-01
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[54] **RESETTABLE TOE VALVE**
[54] **SOUPAPE D'EMBOUT REINITIALISABLE**
[72] MACKAY, ALEXANDER CRAIG, GB
[71] DOWNHOLE PRODUCTS LIMITED, GB
[85] 2020-09-01
[86] 2019-04-11 (PCT/IB2019/053005)
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[25] EN
[54] **FRAME FOR A TABLE**
[54] **CADRE POUR UNE TABLE**
[72] JORGENSEN, CASPER, DK
[71] LINAK A/S, DK
[85] 2020-09-01
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[87] (WO2019/174686)
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[25] EN
[54] **DEPLOYABLE CASING CENTRALISER WITH LATCH FOR BOW SPRINGS**
[54] **CENTREUR DE BOITIER DEPLOYABLE AVEC VERROU POUR RESSORTS EN ARC**
[72] MACKAY, ALEXANDER CRAIG, GB
[71] DOWNHOLE PRODUCTS LIMITED, GB
[85] 2020-09-01
[86] 2019-04-15 (PCT/IB2019/053081)
[87] (WO2019/202467)
[30] GB (1806327.1) 2018-04-18
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[25] EN
[54] **A DBAIT MOLECULE AGAINST ACQUIRED RESISTANCE IN THE TREATMENT OF CANCER**
[54] **MOLECULE DBAIT CONTRE LA RESISTANCE ACQUISE DANS LE TRAITEMENT DU CANCER**
[72] BONO, FRANCOISE, FR
[72] JDEY, WAEL, FR
[72] DUTREIX, MARIE, FR
[71] ONXEO, FR
[71] INSTITUT CURIE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[85] 2020-09-01
[86] 2019-03-12 (PCT/EP2019/056077)
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[25] EN
[54] **OPTIMIZING QUBIT OPERATING FREQUENCIES**
[54] **OPTIMISATION DE FREQUENCES DE FONCTIONNEMENT DE BITS QUANTIQUES**
[72] KELLY, JULIAN SHAW, US
[72] KLIMOV, PAUL, US
[71] GOOGLE LLC, US
[85] 2020-09-01
[86] 2018-03-02 (PCT/US2018/020696)
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[51] **Int.Cl. A61B 5/00 (2006.01) G16H 50/20 (2018.01) A61B 5/046 (2006.01) A61B 5/042 (2006.01)**
[25] FR
[54] **COMPUTING DEVICE FOR DETECTING HEART RHYTHM DISORDERS**
[54] **DISPOSITIF INFORMATIQUE DE DETECTION DE TROUBLES DU RYTHME CARDIAQUE**
[72] MOHR DURDEZ, THEOPHILE, FR
[71] SUBSTRATE HD, FR
[85] 2020-09-01
[86] 2019-03-26 (PCT/FR2019/050682)
[87] (WO2019/186050)
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[25] EN
[54] **SOLID IONIC CONDUCTOR FOR RECHARGEABLE ELECTROCHEMICAL BATTERY CELLS**
[54] **CONDUCTEURS D'IONS FIXE POUR ELEMENTS DE BATTERIE ELECTROCHIMIQUES RECHARGEABLES**
[72] HAMBITZER, GUNTHER, DE
[71] HIGH PERFORMANCE BATTERY TECHNOLOGY GMBH, DE
[85] 2020-09-01
[86] 2018-12-20 (PCT/EP2018/086327)
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[51] **Int.Cl. A61M 5/172 (2006.01)**
[25] EN
[54] **HIERARCHICAL ADAPTIVE CLOSED-LOOP FLUID RESUSCITATION AND CARDIOVASCULAR DRUG ADMINISTRATION SYSTEM**
[54] **SYSTEME DE REANIMATION ADAPTATIVE HIERARCHIQUE PAR ADMINISTRATION DE FLUIDE EN BOUCLE FERMEE ET D'ADMINISTRATION DE MEDICAMENT CARDIOVASCULAIRE**
[72] GHOLAMI, BEHNOOD, US
[71] AUTONOMOUS HEALTHCARE, INC., US
[85] 2020-09-01
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[51] **Int.Cl. E04B 9/30 (2006.01)**
[25] EN
[54] **FABRIC MOUNTING SYSTEM AND METHOD OF MOUNTING AND EXTENDING FABRIC**
[54] **SYSTEME DE MONTAGE DE TOILE ET PROCEDE DE MONTAGE ET D'EXTENSION DE TOILE**
[72] NIELSEN, JESPER, DE
[72] KORSGARD, MICHAEL TOLDAM, DK
[71] KVADRAT SOFT CELLS A/S, DK
[85] 2020-09-01
[86] 2019-03-22 (PCT/EP2019/057300)
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[51] **Int.Cl. H04B 10/548 (2013.01) H03C 3/00 (2006.01)**
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[54] **METHOD AND SYSTEM FOR SAMPLING AND DENOISING AMPLIFICATION OF A SIGNAL**
[54] **PROCEDE ET SYSTEME D'ECHANTILLONNAGE ET DE DEBRUITAGE D'UNE AMPLIFICATION DE SIGNAL**
[72] CROCKETT, BENJAMIN, CA
[72] AZANA, JOSE, CA
[72] CORTES, LUIS ROMERO, ES
[71] INSTITUT NATIONAL DE LA RECHERCHE SCIENTIFIQUE (INRS), CA
[85] 2020-09-01
[86] 2019-05-17 (PCT/IB2019/054102)
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[25] EN
[54] **PROCESS FOR THE RECOVERY OF LITHIUM AND TRANSITION METAL USING HEAT**
[54] **PROCEDE DE RECUPERATION DE LITHIUM ET D'UN METAL DE TRANSITION A L'AIDE DE CHALEUR**
[72] ROHDE, WOLFGANG, DE
[72] ADERMANN, TORBEN, DE
[72] RYLL, THOMAS MICHAEL, DE
[72] SCHIERLE-ARNDT, KERSTIN, DE
[72] SEELER, FABIAN, DE
[72] WEIGUNY, SABINE, DE
[72] ZEILINGER, MICHAEL, DE
[71] BASF SE, DE
[85] 2020-09-01
[86] 2019-04-01 (PCT/EP2019/058141)
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[30] EP (18166709.8) 2018-04-11

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[51] **Int.Cl. H04W 12/00 (2009.01) H04W 12/04 (2009.01) H04W 36/00 (2009.01) H04W 36/08 (2009.01) H04W 36/16 (2009.01) H04W 36/30 (2009.01) H04W 36/36 (2009.01) H04W 36/38 (2009.01) H04W 84/12 (2009.01)**
[25] EN
[54] **SEAMLESS ROAMING FOR CLIENTS BETWEEN ACCESS POINTS WITH WPA-2 ENCRYPTION**
[54] **ITINERANCE SANS INTERRUPTION DE CLIENTS ENTRE DES POINTS D'ACCES A CHIFFREMENT WPA-2**
[72] BHARTIA, APURV, US
[72] LIN, LIZHEN, US
[71] CISCO TECHNOLOGY INC., US
[85] 2020-09-01
[86] 2019-02-22 (PCT/US2019/019281)
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[30] US (15/909,823) 2018-03-01

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[51] **Int.Cl. F42C 15/24 (2006.01) F42C 15/32 (2006.01) F42C 15/40 (2006.01)**
[25] EN
[54] **FUSE SYSTEM**
[54] **SYSTEME DE FUSEE D'OBUS**
[72] HUCKER, MARTYN JOHN, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-09-01
[86] 2019-03-01 (PCT/GB2019/050573)
[87] (WO2019/171028)
[30] GB (1803665.7) 2018-03-07
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[51] **Int.Cl. B60L 50/64 (2019.01) B60L 50/60 (2019.01) B60L 53/80 (2019.01) B60L 58/18 (2019.01) B60K 1/04 (2019.01) H01M 2/10 (2006.01)**
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[54] **ELECTRIC HAUL TRUCK**
[54] **CAMION DE TRANSPORT ELECTRIQUE**
[72] HUFF, BRIAN R., US
[72] HICKEY, KYLE, US
[71] ARTISAN VEHICLE SYSTEMS, INC., US
[85] 2020-08-28
[86] 2019-02-27 (PCT/US2019/019710)
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[25] EN
[54] **TECHNIQUES FOR GENERATING CELL-BASED THERAPEUTICS USING RECOMBINANT T CELL RECEPTOR GENES**
[54] **TECHNIQUES POUR LA GENERATION D'AGENTS THERAPEUTIQUES A BASE DE CELLULES A L'AIDE DE GENES DU RECEPTEUR DE LYMPHOCYTES T RECOMBINANT**
[72] DEKOSKY, BRANDON, US
[72] CHUNG, CHENG-YU, US
[71] UNIVERSITY OF KANSAS, US
[85] 2020-09-01
[86] 2019-02-27 (PCT/US2019/019754)
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[51] **Int.Cl. B42D 25/24 (2014.01) B42D 25/36 (2014.01) B42D 25/455 (2014.01) B42D 25/46 (2014.01)**
[25] EN
[54] **A SECURITY SHEET**
[54] **FEUILLE DE SECURITE**
[72] DHILLON, BALJEET, GB
[72] SUGDON, MATTHEW, GB
[72] BOBAT, SHIREEN, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2020-09-01
[86] 2019-03-01 (PCT/GB2019/050574)
[87] (WO2019/166819)
[30] GB (1803449.6) 2018-03-02
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[25] EN
[54] **COMPOUNDS FOR INHIBITING PROTEIN DEGRADATION AND METHODS OF USE THEREOF IN THE TREATMENT OF CANCER**
[54] **COMPOSES AGISSANT EN TANT QU'INHIBITEUR DE LA DEGRADATION PROTEIQUE ET PROCEDES D'UTILISATION ASSOCIES POUR LE TRAITEMENT DU CANCER**
[72] KALID, ORI, IL
[72] GOTLIV, IRINA, IL
[72] LEVY-APTER, EINAT, IL
[72] FINKELSHTEIN BEKER, DANIT, IL
[72] JAGTAP, PRAKASH, US
[71] PI THERAPEUTICS LTD., IL
[85] 2020-09-01
[86] 2019-03-07 (PCT/IL2019/050250)
[87] (WO2019/171379)
[30] US (62/640,263) 2018-03-08
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[51] **Int.Cl. A61B 8/00 (2006.01) A61B 8/08 (2006.01)**
[25] EN
[54] **GENERALIZED INTERLACED SCANNING WITH AN ULTRASOUND PROBE**
[54] **BALAYAGE ENTRELACE GENERALISE AU MOYEN D'UNE SONDE ULTRASONORE**
[72] CHOI, JOON HWAN, US
[72] YANG, FUXING, US
[71] VERATHON INC., US
[85] 2020-09-01
[86] 2019-02-27 (PCT/US2019/019800)
[87] (WO2019/177773)
[30] US (62/642,193) 2018-03-13

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[13] A1
[51] **Int.Cl. C12N 15/62 (2006.01)**
[25] EN
[54] **METHODS FOR CONTROLLING GENE EXPRESSION**
[54] **PROCEDES DE REGULATION DE L'EXPRESSION GENIQUE**
[72] JONES, ALEXANDER MORGAN, GB
[72] LARSEN, BO, GB
[71] THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE, GB
[85] 2020-09-01
[86] 2019-03-01 (PCT/GB2019/050582)
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[30] GB (1803398.5) 2018-03-02

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[25] EN
[54] **SYNERGISTIC HERBAL COMPOSITIONS FOR THE TREATMENT OF OBESITY AND OVERWEIGHT**
[54] **COMPOSITIONS SYNERGIQUES A BASE D'HERBES POUR LE TRAITEMENT DE L'OBESITE ET DU SURPOIDS**
[72] GOKARAJU, GANGA RAJU, IN
[72] GOKARAJU, VENKATA KANAKA RANGA RAJU, IN
[72] GOKARAJU, RAMA RAJU, IN
[72] GOLAKOTI, TRIMURTULU, IN
[72] BHUPATHIRAJU, KIRAN, IN
[72] SOMEPALLI, VENKATESWARLU, IN
[72] ALLURI, VENKATA KRISHNA RAJU, IN
[72] SENGUPTHA, KRISHANU, IN
[71] LAILA NUTRACEUTICALS, IN
[85] 2020-09-01
[86] 2019-03-05 (PCT/IN2019/050187)
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[13] A1
[51] **Int.Cl. A61K 39/08 (2006.01) C07K 14/33 (2006.01)**
[25] EN
[54] **EPSILON TOXIN FROM CLOSTRIDIUM PERFRINGENS AS A VACCINE**
[54] **TOXINE EPSILON PROVENANT DE CLOSTRIDIUM PERFRINGENS EN TANT QUE VACCIN**
[72] TITBALL, RICHARD WILLIAM, GB
[72] BOKORI-BROWN, MONIKA, GB
[72] MORCRETTE, HELEN, GB
[72] LEWIS, NICHOLAS PETER, GB
[71] ONE HEALTH VENTURES LTD, GB
[85] 2020-09-01
[86] 2019-03-01 (PCT/GB2019/050588)
[87] (WO2019/166830)
[30] GB (1803401.7) 2018-03-02
[30] GB (1900361.5) 2019-01-10

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[13] A1
[51] **Int.Cl. H04L 12/14 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CORRECTING METER SIZING**
[54] **SYSTEME ET PROCEDE DE CORRECTION D'ETALONNAGE DE COMPTEUR**
[72] MALINOWSKI, MICHELE, US
[72] POVINELLI, RICHARD, US
[71] BADGER METER, INC., US
[71] MARQUETTE UNIVERSITY, US
[85] 2020-09-01
[86] 2019-02-28 (PCT/US2019/019938)
[87] (WO2019/169066)
[30] US (15/910,453) 2018-03-02

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[13] A1
[51] **Int.Cl. F42B 5/285 (2006.01) B21K 21/04 (2006.01) F42B 5/307 (2006.01) F42B 33/00 (2006.01) F42B 35/02 (2006.01)**
[25] EN
[54] **IMPROVED PRESSED HEAD**
[54] **TETE PRESSEE AMELIOREE**
[72] PENNELL, IAN JOHN, GB
[72] PICKLES, IAN RICHARD, GB
[72] SHUFFLEBOTHAM, MICHAEL, GB
[72] BEBBINGTON, ALLAN RONALD, GB
[71] BAE SYSTEMS PLC, GB
[85] 2020-09-01
[86] 2019-03-05 (PCT/GB2019/050603)
[87] (WO2019/175539)
[30] GB (1804012.1) 2018-03-13
[30] EP (18275039.8) 2018-03-13

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[13] A1
[51] **Int.Cl. B32B 13/08 (2006.01) B32B 27/04 (2006.01) B32B 37/06 (2006.01)**
[25] EN
[54] **FORMALDEHYDE-FREE HIGHLY WATER AND ABRASION RESISTANT OVERLAY FOR BUILDING PRODUCTS**
[54] **REVETEMENT HAUTEMENT RESISTANT A L'EAU ET A L'ABRASION ET DEPOURVU DE FORMALDEHYDE POUR PRODUITS DE CONSTRUCTION**
[72] SCHAUWECKER, CHRISTOPH, US
[72] RICE, BRANDON, US
[72] DION, ANDY, US
[72] TAN, TEONG, US
[72] JOHNSON, SCOT, US
[72] ANDERSON, MARK, US
[71] ARCLIN USA LLC, US
[85] 2020-09-01
[86] 2019-02-28 (PCT/US2019/020049)
[87] (WO2019/169129)
[30] US (62/637,046) 2018-03-01

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[13] A1
[51] **Int.Cl. G16H 50/30 (2018.01) G16H 50/70 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING PATIENT HOSPITALIZATION RISK AND TREATING PATIENTS**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER UN RISQUE D'HOSPITALISATION D'UN PATIENT ET POUR TRAITER DES PATIENTS**
[72] LONG, ANDREW W., US
[72] BLANCHARD, THOMAS C., US
[72] USVYAT, LEN, US
[72] GARRIDO, HERNANDO, US
[72] CONTI, JODI, US
[72] GALLAGHER, CARA S., US
[72] WILLETTS, JOANNA, US
[72] HAN, HAO, US
[72] CHAUDHURI, SHEETAL, US
[72] MADDUX, FRANKLIN W., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-09-01
[86] 2019-02-28 (PCT/US2019/020129)
[87] (WO2019/169186)
[30] US (62/637,332) 2018-03-01
[30] US (62/716,034) 2018-08-08

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[13] A1
[51] **Int.Cl. A61F 13/53 (2006.01) A61F 13/537 (2006.01)**
[25] EN
[54] **DISPOSABLE ABSORBENT HYGIENE PRODUCT WITH TOPSHEET AND ACQUISITION LAYER**
[54] **PRODUIT D'HYGIENE ABSORBANT JETABLE A COUCHE SUPERIEURE ET COUCHE D'ACQUISITION**
[72] HERMENIUS, ANNIKA, SE
[72] ANDERSSON, PATRIK, SE
[72] GUIDOTTI, EDWARD, SE
[71] ESSITY HYGIENE AND HEALTH AKTIEBOLAG, SE
[85] 2020-09-01
[86] 2018-03-26 (PCT/EP2018/057658)
[87] (WO2019/185113)

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[13] A1
[51] **Int.Cl. G01N 27/327 (2006.01) C12Q 1/00 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL SENSOR**
[54] **CAPTEUR ELECTROCHIMIQUE**
[72] PILETSKY, SERGEY, GB
[72] CANFAROTTA, FRANCESCO, GB
[72] GUERREIRO, ANTONIO, GB
[72] MARRAZZA, GIOVANNA, IT
[72] RAPINI, RICCARDO, IT
[71] UNIVERSITY OF LEICESTER, GB
[85] 2020-09-01
[86] 2019-03-12 (PCT/GB2019/050687)
[87] (WO2019/175565)
[30] GB (1803997.4) 2018-03-13

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 9/00 (2006.01) A61K 31/416 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61P 27/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS FOR PREVENTING OR TREATING DRY EYE**
[54] **COMPOSITIONS POUR LA PREVENTION OU LE TRAITEMENT DE LA SECHERESSE OCULAIRE**
[72] CHOI, YOUNG IL, KR
[72] HA, NINA, KR
[72] SHIN, TAEK HWAN, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2020-09-01
[86] 2019-04-09 (PCT/KR2019/004227)
[87] (WO2019/199034)
[30] KR (10-2018-0041378) 2018-04-10

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[13] A1
[51] **Int.Cl. B42D 25/328 (2014.01) B42D 25/324 (2014.01)**
[25] EN
[54] **SECURITY ELEMENTS AND METHODS OF MANUFACTURE THEREOF**
[54] **ELEMENTS DE SECURITE ET LEURS PROCEDES DE FABRICATION**
[72] HOLMES, BRIAN, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2020-09-01
[86] 2019-03-22 (PCT/GB2019/050828)
[87] (WO2019/180459)
[30] GB (1804629.2) 2018-03-22

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61K 48/00 (2006.01)**
[25] EN
[54] **INHIBITION OF POLYOMAVIRUS REPLICATION**
[54] **INHIBITION DE LA REPLICATION DE POLYOMAVIRUS**
[72] VAN DER VEER, ERIC PETER, NL
[72] VAN ZONNEVELD, ANTON JAN, NL
[72] PRINS, JURRIEN, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[85] 2020-09-01
[86] 2019-03-01 (PCT/NL2019/050131)
[87] (WO2019/168402)
[30] EP (18159797.2) 2018-03-02

[21] **3,092,819**
[13] A1
[51] **Int.Cl. A47K 5/12 (2006.01)**
[25] EN
[54] **OUTLET VALVE ARRANGEMENTS FOR ENHANCED PUMP EFFICIENCY**
[54] **AGENCEMENTS DE SOUPAPE DE SORTIE POUR AMELIORER LE RENDEMENT D'UNE POMPE**
[72] MCNULTY, JOHN J., US
[72] HARRIS, DONALD R., US
[72] CIAVARELLA, NICK E., US
[72] WILLIS, DANIEL M., US
[72] MARSHALL, AARON D., US
[71] GOJO INDUSTRIES, INC., US
[85] 2020-09-01
[86] 2019-02-22 (PCT/US2019/019202)
[87] (WO2019/168758)
[30] US (62/637,487) 2018-03-02

[21] **3,092,820**
[13] A1
[51] **Int.Cl. A01K 73/045 (2006.01) A01K 73/04 (2006.01)**
[25] EN
[54] **TRAWL DOOR**
[54] **PORTE DE CHALUT**
[72] VINTHER, BERGUR, FO
[71] MORENOT FISHERY AS, NO
[85] 2020-09-01
[86] 2019-02-28 (PCT/NO2019/050044)
[87] (WO2019/168408)
[30] NO (20180314) 2018-03-02

[21] **3,092,821**
[13] A1
[51] **Int.Cl. B42D 25/324 (2014.01)**
[25] EN
[54] **SECURITY ELEMENTS AND METHOD OF MANUFACTURE THEREOF**
[54] **ELEMENTS DE SECURITE ET LEURS PROCEDES DE FABRICATION**
[72] HOLMES, BRIAN, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2020-09-01
[86] 2019-03-22 (PCT/GB2019/050829)
[87] (WO2019/180460)
[30] GB (1804630.0) 2018-03-22

[21] **3,092,822**
[13] A1
[51] **Int.Cl. B23K 35/28 (2006.01) B32B 15/01 (2006.01) C21D 1/673 (2006.01) C25D 5/36 (2006.01) C25D 5/48 (2006.01)**
[25] EN
[54] **ZINC-BASED ALLOY COATING FOR STEEL AND METHODS**
[54] **REVETEMENT D'ALLIAGE A BASE DE ZINC POUR ACIER ET PROCEDES**
[72] SUN, WEIPING, US
[72] GAO, NAN, CA
[72] LIU, YIHUI, CA
[71] NUCOR CORPORATION, US
[71] TECK METALS LTD., CA
[85] 2020-09-01
[86] 2019-02-28 (PCT/US2019/020154)
[87] (WO2019/169199)
[30] US (62/637,102) 2018-03-01

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[13] A1
[51] **Int.Cl. B42D 25/373 (2014.01)**
[25] EN
[54] **SECURITY ELEMENTS AND METHODS OF MANUFACTURE THEREOF**
[54] **ELEMENTS DE SECURITE ET LEURS PROCEDES DE FABRICATION**
[72] HOLMES, BRIAN, GB
[72] FOURNIER, FRED, GB
[72] KING, MARIA, GB
[71] DE LA RUE INTERNATIONAL LIMITED, GB
[85] 2020-09-01
[86] 2019-03-22 (PCT/GB2019/050830)
[87] (WO2019/180461)
[30] GB (1804629.2) 2018-03-22

[21] **3,092,828**
[13] A1
[51] **Int.Cl. C07D 209/20 (2006.01) C07D 401/08 (2006.01) C07D 401/14 (2006.01)**
[25] EN
[54] **COMPOUNDS, COMPOSITIONS, AND METHODS FOR SUPPRESSING TOXIC ENDOPLASMIC RETICULUM STRESS**
[54] **COMPOSES, COMPOSITIONS ET PROCEDES POUR SUPPRIMER UN STRESS TOXIQUE DU RETICULUM ENDOPLASMIQUE**
[72] STOCKWELL, BRENT R., US
[72] WICHTERLE, HYNEK, US
[72] BOS, PIETER, US
[72] ZASK, ARIE, US
[72] THAMS, SEBASTIAN, SE
[72] LOWRY, EMILY RHODES, US
[71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020362)
[87] (WO2019/169306)
[30] US (62/637,242) 2018-03-01

[21] **3,092,830**
[13] A1
[51] **Int.Cl. G06F 17/00 (2019.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHODS FOR GENERATING AN ENHANCED OUTPUT OF RELEVANT CONTENT TO FACILITATE CONTENT ANALYSIS**
[54] **SYSTEME ET PROCEDES DE GENERATION D'UNE SORTIE AMELIOREE D'UN CONTENU PERTINENT POUR FACILITER UNE ANALYSE DU CONTENU**
[72] FENG, YUE, CA
[72] ROMER, BRIAN, US
[72] REED, DAVID, US
[72] BARI, OMAR, US
[72] HOFFMANN, HELLA-FRANZISKA, GB
[72] SHAVIT, AMIT, US
[72] SONG, QIAOQI, SG
[72] SCHLEITH, JOHANNES, GB
[72] KRIEGMAN, ISAAC, US
[72] FORUSHANI, AMIR HAJIAN, CA
[72] LI, SHIQI, US
[72] JAREMA, NICK, US
[71] FINANCIAL & RISK ORGANISATION LIMITED, GB
[85] 2020-09-01
[86] 2018-10-01 (PCT/US2018/053794)
[87] (WO2019/172961)
[30] US (62/642,283) 2018-03-03
[30] US (16/148,340) 2018-10-01

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[13] A1
[51] **Int.Cl. A61F 2/40 (2006.01) A61B 17/15 (2006.01) A61B 17/16 (2006.01) A61B 17/17 (2006.01) A61F 2/46 (2006.01)**
[25] EN
[54] **ARTHROSCOPIC SHOULDER ARTHROPLASTY, COMPONENTS, INSTRUMENTS, AND METHOD THEREOF**
[54] **ARTHROPLASTIE ARTHROSCOPIQUE DE L'EPAULE, COMPOSANTS, INSTRUMENTS ET METHODE ASSOCIES**
[72] TERMANINI, ZAFER, US
[71] JOINT INNOVATION TECHNOLOGY, LLC, US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020299)
[87] (WO2019/173139)
[30] US (15/911,128) 2018-03-04

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[13] A1
[51] **Int.Cl. C12N 15/85 (2006.01) C12Q 1/6809 (2018.01) C12Q 1/6897 (2018.01) G16B 20/00 (2019.01) G16B 30/00 (2019.01) A01K 67/027 (2006.01) C12N 5/10 (2006.01) C12N 15/09 (2006.01) C12N 15/86 (2006.01) C12N 15/90 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **IDENTIFYING AND CHARACTERIZING GENOMIC SAFE HARBORS (GSH) IN HUMANS AND MURINE GENOMES, AND VIRAL AND NON-VIRAL VECTOR COMPOSITIONS FOR TARGETED INTEGRATION AT AN IDENTIFIED GSH LOCI**
[54] **IDENTIFICATION ET CARACTERISATION DE ZONES DE SECURITE DU GENOME (GSH) CHEZ LES ETRES HUMAINS ET LES GENOMES MURINS, ET COMPOSITIONS DE VECTEURS VIRAUX ET NON VIRAUX POUR UNE INTEGRATION CIBLEE AU NIVEAU D'UN LOCUS GSH IDENTIFIE**
[72] KOTIN, ROBERT M., US
[72] HILDEBRANDT, EVIN, US
[71] GENERATION BIO CO., US
[71] UNIVERSITY OF MASSACHUSETTS, US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020224)
[87] (WO2019/169232)
[30] US (62/637,583) 2018-03-02
[30] US (62/716,421) 2018-08-09
[30] US (62/743,811) 2018-10-10

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[13] A1
[51] **Int.Cl. A01N 57/12 (2006.01) A01N 57/20 (2006.01) A61K 31/661 (2006.01)**
[25] EN
[54] **NANOPARTICLE COMPOSITIONS**
[54] **COMPOSITIONS DE NANOPARTICULES**
[72] RAHEJA, RAJ, US
[72] JACKMAN, ROBIN M., US
[72] KAHANA, JASON A., US
[71] JANUARY THERAPEUTICS, INC., US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020389)
[87] (WO2019/169323)
[30] US (62/637,965) 2018-03-02
[30] US (62/798,859) 2019-01-30

[21] **3,092,837**
[13] A1
[51] **Int.Cl. E21B 17/10 (2006.01)**
[25] EN
[54] **ANGLED BLOCK WITH WEAR-REDUCING LINER FOR ONE STRAIGHT-LINE CONNECTION IN HYDRAULIC FRACTURING**
[54] **BLOC INCLINE DOTE D'UN REVETEMENT DE REDUCTION D'USURE DE RACCORD DROIT POUR FRACTURATION HYDRAULIQUE**
[72] WEBSTER, MATTHEW THOMAS ROBINSON, CA
[71] SEABOARD INTERNATIONAL, INC., US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020253)
[87] (WO2019/169246)
[30] US (62/637,642) 2018-03-02

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[13] A1
[51] **Int.Cl. E21B 21/00 (2006.01) E21B 33/00 (2006.01) E21B 34/00 (2006.01) E21B 43/00 (2006.01)**
[25] EN
[54] **SINGLE STRAIGHT-LINE CONNECTION FOR HYDRAULIC FRACTURING FLOWBACK**
[54] **RACCORD DROIT UNIQUE DE REFLUX DE FRACTURATION HYDRAULIQUE**
[72] WEBSTER, MATTHEW THOMAS ROBINSON, CA
[71] SEABOARD INTERNATIONAL, INC., US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020280)
[87] (WO2019/169261)
[30] US (62/637,506) 2018-03-02

[21] **3,092,841**
[13] A1
[51] **Int.Cl. G01N 1/31 (2006.01) G01N 1/28 (2006.01)**
[25] EN
[54] **SAMPLE PREPARATION FOR ANTIMICROBIAL SUSCEPTIBILITY TESTING**
[54] **PREPARATION D'ECHANTILLON POUR ESSAI DE SENSIBILITE A DES AGENTS ANTIMICROBIENS**
[72] SPEARS, BENJAMIN, US
[72] FLENTIE, KELLY, US
[72] VACIC, ALEKSANDAR, US
[72] STERN, ERIC, US
[71] SELUX DIAGNOSTICS, INC., US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020416)
[87] (WO2019/169340)
[30] US (62/637,786) 2018-03-02

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[13] A1
[51] **Int.Cl. C12N 5/071 (2010.01) A61K 31/437 (2006.01) A61K 31/44 (2006.01) A61K 35/12 (2015.01) A61P 3/08 (2006.01) C12N 5/00 (2006.01)**
[25] EN
[54] **METHODS OF ENHANCING STEM CELL DIFFERENTIATION INTO BETA CELLS**
[54] **PROCEDES D'AMELIORATION DE LA DIFFERENCIATION DE CELLULES SOUCHES EN CELLULES BETA**
[72] PAGLIUCA, FELICIA, US
[72] HARB, GEORGE, US
[72] GURTLER, MADS, US
[72] GAGLIA, JASON, US
[72] POH, YEH-CHUIN, US
[72] YE, LILLIAN, US
[72] THIEL, AUSTIN, US
[72] YASIN, JIHAD, US
[72] THOMPSON, EVRETT, US
[71] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2020-09-01
[86] 2019-03-01 (PCT/US2019/020430)
[87] (WO2019/169351)
[30] US (62/637,923) 2018-03-02

[21] **3,092,843**
[13] A1
[25] EN
[54] **DEVICES AND METHODS OF USING SMALL FORM ALUMINUM IN CONSECUTIVE BATCH ALUMINUM CHLOROHYDRATE PROCESSES**
[54] **DISPOSITIFS ET PROCEDES D'UTILISATION D'ALUMINIUM DE PETIT FORMAT DANS DES PROCEDES CONSECUTIFS DE CHLOROHYDRATE D'ALUMINIUM PAR LOTS**
[72] HULSIZER, MARK, US
[72] MCTAGGART, CHASE, US
[72] HODGES, BRIAN, US
[72] KOETTING, CHARLES, US
[72] MACDONNELL, FREDERICK M., US
[72] DENNIS, BRIAN, US
[71] C-KOE METALS, L.P., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2020-09-01
[86] 2019-03-04 (PCT/US2019/020527)
[87] (WO2019/169381)
[30] US (62/637,769) 2018-03-02
[30] US (62/637,683) 2018-03-02
[30] US (62/637,725) 2018-03-02

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[13] A1
[51] **Int.Cl. B65D 19/44 (2006.01) B65D 85/66 (2006.01)**
[25] EN
[54] **RELEASABLE PAPERBOARD CHOCK ASSEMBLY**
[54] **ENSEMBLE DE CALES LIBERABLES EN CARTON**
[72] BEVIER, ALEX DEAN, US
[71] INTERNATIONAL PAPER COMPANY, US
[85] 2020-09-01
[86] 2019-03-06 (PCT/US2019/020871)
[87] (WO2019/173419)
[30] US (62/640,671) 2018-03-09

[21] **3,092,845**
[13] A1
[51] **Int.Cl. G08B 13/196 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PREVENTING FALSE ALARMS DUE TO DISPLAY IMAGES**
[54] **SYSTEME ET PROCEDE DESTINES A EVITER DE FAUSSES ALARMES DUES A DES IMAGES D'AFFICHAGE**
[72] HUTZ, DAVID JAMES, US
[72] MADDEN, DONALD, US
[71] ALARM.COM INCORPORATED, US
[85] 2020-09-01
[86] 2019-03-05 (PCT/US2019/020840)
[87] (WO2019/173404)
[30] US (62/638,924) 2018-03-05

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[13] A1
[51] **Int.Cl. A01N 25/22 (2006.01) A01N 25/24 (2006.01) A01N 25/30 (2006.01) A01N 33/02 (2006.01) A01N 33/04 (2006.01) A01N 57/10 (2006.01)**
[25] EN
[54] **HIGH-LOAD GLYPHOSATE HERBICIDAL COMPOSITION, READY-TO-USE FORMULATION OBTAINED FROM THE COMPOSITION AND METHOD TO CONTROL VARIOUS WEED SPECIES IN AGRICULTURAL CROPS**
[54] **COMPOSITION HERBICIDE A BASE DE GLYPHOSATE A CHARGE ELEVEE, FORMULATION PRETE A L'EMPLOI OBTENUE A PARTIR DE LA COMPOSITION ET METHODE DE LUTTE CONTRE DIVERSES ESPECES DE MAUVAISES HERBES DANS DES CULTURES AGRICOLES**
[72] TOLEDO, ROBERTO, BR
[72] MATTOS, EDSON, BR
[72] OLIVEIRA, THAIS, BR
[72] GALERA, LUCIANO, BR
[71] OURO FINO QUIMICA LTDA., BR
[85] 2020-09-01
[86] 2019-03-01 (PCT/BR2019/050066)
[87] (WO2019/169465)
[30] BR (BR102018004761 2) 2018-03-09

[21] **3,092,848**
[13] A1
[51] **Int.Cl. B64B 1/60 (2006.01)**
[25] EN
[54] **LIGHTER-THAN-AIR LEAKAGE REDUCTION**
[54] **REDUCTION DE FUITE PLUS LEGERE QUE L'AIR**
[72] MICHAELIS, MAX G., US
[72] CAMERON, DAVID, GB
[71] SKYCOM CORPORATION, US
[85] 2020-09-01
[86] 2019-03-06 (PCT/US2019/020906)
[87] (WO2019/173443)
[30] US (62/639,695) 2018-03-07

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[13] A1
[51] **Int.Cl. C03C 3/087 (2006.01) C03C 3/095 (2006.01) C03C 3/112 (2006.01) C03C 13/00 (2006.01) C08J 5/08 (2006.01)**
[25] EN
[54] **GLASS COMPOSITIONS, FIBERIZABLE GLASS COMPOSITIONS, AND GLASS FIBERS MADE THEREFROM**
[54] **COMPOSITIONS DE VERRE, COMPOSITIONS DE VERRE POUVANT FORMER DES FIBRES, ET FIBRES DE VERRE CONSTITUEES A PARTIR DE CES DERNIERES**
[72] LI, HONG, US
[71] ELECTRIC GLASS FIBER AMERICA, LLC, US
[85] 2020-09-01
[86] 2019-03-05 (PCT/US2019/020786)
[87] (WO2019/173360)
[30] US (62/639,731) 2018-03-07

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 27/00 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR MANAGING CHEST DRAINAGE**
[54] **DISPOSITIFS ET PROCEDES DE GESTION DU DRAINAGE THORACIQUE**
[72] LUXON, EVAN S., US
[72] COUGHLIN, RYAN, US
[72] BEHRINGER, RYAN, US
[72] FITCH, KYLE, US
[72] PRESTON, RANDY, US
[72] BURNETT, DANIEL R., US
[72] ZIEGLER, MARK, US
[71] CENTESE, INC., US
[85] 2020-09-01
[86] 2019-03-05 (PCT/US2019/020809)
[87] (WO2019/173379)
[30] US (62/639,326) 2018-03-06
[30] US (62/728,585) 2018-09-07
[30] US (62/798,379) 2019-01-29

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[51] **Int.Cl. A61K 38/00 (2006.01) C07H 21/04 (2006.01) C07K 19/00 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **NUCLEIC ACID MOLECULES AND METHODS OF USING THE SAME**
[54] **MOLECULES D'ACIDES NUCLEIQUES ET LEURS METHODES D'UTILISATION**
[72] NARAYANAN, MAHESH, US
[72] DORMER, ANTON, US
[71] PEPVAX, INC., US
[85] 2020-09-01
[86] 2019-03-06 (PCT/US2019/020929)
[87] (WO2019/173462)
[30] US (62/639,092) 2018-03-06

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[51] **Int.Cl. A61K 31/422 (2006.01) A61K 9/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING CUTANEOUS FIBROSIS**
[54] **COMPOSITIONS ET METHODES DESTINEES AU TRAITEMENT DE LA FIBROSE KYSTIQUE**
[72] ROME, ZACHARY, US
[71] TIMBER PHARMACEUTICALS, INC., US
[85] 2020-09-01
[86] 2019-03-04 (PCT/US2019/020545)
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[30] US (62/639,751) 2018-03-07

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[51] **Int.Cl. A61F 2/01 (2006.01)**
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[54] **EMBOLIC PROTECTION DEVICE**
[54] **DISPOSITIF DE PROTECTION EMBOLIQUE**
[72] MERHI, WILLIAM M., US
[72] BLACK, ANDY, US
[72] CARLSON, MARK, US
[72] GREENE, JOSH, US
[72] JENSEN, KELLY, US
[72] LEOPOLD, ANDY, US
[72] ROCKWELL, BEN, US
[71] INNOVATIVE CARDIOVASCULAR SOLUTIONS, LLC, US
[85] 2020-09-01
[86] 2019-03-06 (PCT/US2019/020952)
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[30] US (62/639,618) 2018-03-07
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[51] **Int.Cl. C12N 15/864 (2006.01) C12N 7/00 (2006.01)**
[25] EN
[54] **AAV CHIMERAS**
[54] **CHIMERES VAA**
[72] AGBANDJE-MCKENNA, MAVIS, US
[72] MIETZSCH, MARIO, US
[72] MCKENNA, ROBERT, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[85] 2020-09-01
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[30] US (62/639,466) 2018-03-06

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[51] **Int.Cl. B60S 1/38 (2006.01)**
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[54] **HYBRID WINDSHIELD WIPER BLADE**
[54] **LAME D'ESSUIE-GLACE HYBRIDE**
[72] LEE, ALBERT, US
[72] BUECHELE, FRANZ JOHANNES, US
[71] ALBEREE PRODUCTS, INC., US
[85] 2020-09-01
[86] 2019-03-07 (PCT/US2019/021096)
[87] (WO2019/173560)
[30] US (62/640,422) 2018-03-08
[30] US (16/294,249) 2019-03-06

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[51] **Int.Cl. G01N 33/48 (2006.01) G01N 27/00 (2006.01) G01N 30/72 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF DIAGNOSING AND PROGNOSING CANCER**
[54] **SYSTEMES ET METHODES DE DIAGNOSTIC ET DE PRONOSTIC DU CANCER**
[72] INGE, LANDON, US
[72] WHITSETT, TIMOTHY, US
[72] PIRROTTE, PATRICK, US
[72] BREMNER, ROSS, US
[72] PATHAK, KHYATIBEN, US
[71] DIGNITY HEALTH, US
[71] THE TRANSLATIONAL GENOMICS RESEARCH INSTITUTE, US
[85] 2020-09-01
[86] 2019-03-07 (PCT/US2019/021216)
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[30] US (62/639,546) 2018-03-07

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[51] **Int.Cl. H04B 7/185 (2006.01)**
[25] EN
[54] **NETWORK AGNOSTIC DYNAMIC SATCOM SYSTEM AND ASSOCIATED NETWORK FEATURES**
[54] **SYSTEME DE SATCOM DYNAMIQUE AGNOSTIQUE DE RESEAU ET CARACTERISTIQUES DE RESEAU ASSOCIEES**
[72] POPELKA, DAVID, US
[72] WILKERSON, JAMES, US
[72] O'BRIEN, SHAWN, US
[71] SMITHS INTERCONNECT, INC., US
[85] 2020-09-01
[86] 2019-03-08 (PCT/US2019/021400)
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[30] US (62/640,339) 2018-03-08
[30] US (62/666,577) 2018-05-03

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[25] EN
[54] **VIRTUAL DOWNHOLE SUB**
[54] **SOUS-ENSEMBLE VIRTUEL DE FOND DE TROU**
[72] RAMSAY, STACEY C., US
[72] COBB, BRADFORD L., US
[72] ANNO, PHIL D., US
[72] PHAM, SON V., US
[71] CONOCOPHILLIPS COMPANY, US
[85] 2020-09-01
[86] 2019-03-21 (PCT/US2019/023400)
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[30] US (62/647,056) 2018-03-23

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[51] **Int.Cl. A23D 9/00 (2006.01)**
[25] EN
[54] **PRODUCTION METHOD FOR OIL/FAT COMPOSITION RICH IN PALMITIC ACID AT POSITION 2**
[54] **PROCEDE DE PRODUCTION DE COMPOSITION D'HUILE/GRAISSE RICHE EN ACIDE PALMITIQUE A LA POSITION 2**
[72] WATANABE, SHIMPEI, JP
[71] FUJI OIL HOLDINGS INC., JP
[85] 2020-08-28
[86] 2018-10-11 (PCT/JP2018/037928)
[87] (WO2019/167331)
[30] JP (2018-037071) 2018-03-02

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[51] **Int.Cl. B63B 21/26 (2006.01) B63B 21/24 (2006.01) E02D 5/80 (2006.01) E02D 7/02 (2006.01) E02D 7/06 (2006.01)**
[25] EN
[54] **ANCHOR DRIVING DEVICE**
[54] **DISPOSITIF D'ENTRAINEMENT D'ANCRE**
[72] MANNERING, TIM, US
[72] WELCH, COREY, US
[72] SHEEDY, CHRIS, US
[71] CASHMAN DREDGING AND MARINE CONTRACTING, CO., LLC, US
[85] 2020-09-01
[86] 2019-03-22 (PCT/US2019/023524)
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[30] US (62/647,161) 2018-03-23

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[51] **Int.Cl. E02F 3/40 (2006.01) E02F 3/413 (2006.01)**
[25] EN
[54] **SLOPE-LEVEL-CUT BUCKET**
[54] **GODET A DECOUPE DE NIVEAU DE PENTE**
[72] BELESIMO, FRANK, US
[71] CASHMAN DREDGING AND MARINE CONTRACTING, CO., LLC, US
[85] 2020-09-01
[86] 2019-03-22 (PCT/US2019/023525)
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[30] US (62/647,176) 2018-03-23

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[51] **Int.Cl. B26B 21/40 (2006.01) B26B 21/52 (2006.01)**
[25] EN
[54] **RAZOR HANDLE WITH MOVABLE MEMBERS**
[54] **MANCHE DE RASOIR AVEC ELEMENTS MOBILES**
[72] JOHNSON, ROBERT HAROLD, US
[72] BAUER, MATTHEW STEPHEN, US
[72] CUSACK, JESSY LEE, US
[72] WASHINGTON, JACK ANTHONY, US
[72] BASSETT, CHARLES JAMES, US
[72] RAMM, CHRISTOPHER, US
[72] BOURQUE, STEVEN MICHAEL, US
[72] PATEL, ASHOK BAKUL, US
[72] LITTERST, CHRISTIAN ARNOLD, DE
[72] ZEGULA, CHRISTOPH, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2020-09-01
[86] 2019-03-27 (PCT/US2019/024215)
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[30] US (62/650,938) 2018-03-30

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[51] **Int.Cl. F16J 15/06 (2006.01) B26B 21/44 (2006.01) B26B 21/52 (2006.01) F16L 23/00 (2006.01)**
[25] EN
[54] **RAZOR HANDLE WITH MOVABLE MEMBERS**
[54] **MANCHE DE RASOIR AVEC ELEMENTS MOBILES**
[72] BOURQUE, STEVEN MICHAEL, US
[72] JOHNSON, ROBERT HAROLD, US
[72] BAUER, MATTHEW STEPHEN, US
[72] WASHINGTON, JACK ANTHONY, US
[72] BASSETT, CHARLES JAMES, US
[72] RAMM, CHRISTOPHER, US
[72] PATEL, ASHOK BAKUL, US
[71] THE GILLETTE COMPANY LLC, US
[85] 2020-09-01
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[51] **Int.Cl. B26B 21/52 (2006.01)**
[25] EN
[54] **RAZOR HANDLE WITH MOVABLE MEMBERS**
[54] **MANCHE DE RASOIR AVEC ELEMENTS MOBILES**
[72] BOURQUE, STEVEN MICHAEL, US
[72] JOHNSON, ROBERT HAROLD, US
[72] BRIDGES, KELLY DANIEL, US
[72] BAUER, MATTHEW STEPHEN, US
[72] WASHINGTON, JACK ANTHONY, US
[72] BASSETT, CHARLES JAMES, US
[72] RAMM, CHRISTOPHER, US
[72] PATEL, ASHOK BAKUL, US
[72] LITTERST, CHRISTIAN ARNOLD, DE
[72] ZEGULA, CHRISTOPH, DE
[71] THE GILLETTE COMPANY LLC, US
[85] 2020-09-01
[86] 2019-03-27 (PCT/US2019/024270)
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[30] US (62/650,964) 2018-03-30

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[51] **Int.Cl. E01F 9/529 (2016.01) E01F 9/512 (2016.01) E01F 9/535 (2016.01) E01F 9/70 (2016.01) E01F 15/00 (2006.01) E01F 15/02 (2006.01) E01F 15/08 (2006.01)**
[25] EN
[54] **MODULAR TRAVEL WARNING STRIP SYSTEM AND METHODS**
[54] **SYSTEME DE BANDE D'AVERTISSEMENT DE CIRCULATION MODULAIRE ET PROCEDES**
[72] MAUS, GEOFFREY B., US
[72] ALMANZA, FELIPE, US
[72] JAIME, CHRISTOPHER A., US
[72] KULP, JACK H., US
[71] TRAFFIX DEVICES, INC., US
[85] 2020-09-01
[86] 2019-03-29 (PCT/US2019/025035)
[87] (WO2019/191706)
[30] US (62/650,958) 2018-03-30
[30] US (62/797,894) 2019-01-28
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[51] **Int.Cl. H04W 28/22 (2009.01) H04W 4/44 (2018.01)**
[25] EN
[54] **USING RATE BUCKETS**
[54] **UTILISATION DE SEAUX DE DEBIT**
[72] LEPP, JAMES RANDOLPH WINTER, CA
[72] MCCANN, STEPHEN, CA
[72] MONTEMURRO, MICHAEL PETER, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-09-02
[86] 2019-04-25 (PCT/CA2019/050526)
[87] (WO2019/210396)
[30] US (62/666,983) 2018-05-04
[30] US (16/276,099) 2019-02-14

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[51] **Int.Cl. G06T 19/00 (2011.01) G06F 3/0481 (2013.01)**
[25] EN
[54] **A MEDIA CONTENT PLANNING SYSTEM**
[54] **SYSTEME DE PLANIFICATION DE CONTENU MULTIMEDIA**
[72] COOKE, LUCY, AU
[71] SPACEDRAFT PTY LTD, AU
[85] 2020-09-02
[86] 2019-03-27 (PCT/AU2019/050274)
[87] (WO2019/183676)
[30] AU (2018901016) 2018-03-27

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[51] **Int.Cl. C07F 9/32 (2006.01) A61K 31/66 (2006.01) A61K 31/662 (2006.01) A61P 27/02 (2006.01) C07F 9/28 (2006.01) C07F 9/30 (2006.01) C07F 9/50 (2006.01)**
[25] EN
[54] **PHOSPHORUS-CONTAINING COMPOUND AND PREPARATION AND USE THEREOF**
[54] **COMPOSE CONTENANT DU PHOSPHORE, PREPARATION ET UTILISATION ASSOCIEES**
[72] SHEN, WANG, CN
[72] DING, YUE, CN
[72] JIANG, HAO, CN
[72] CHEN, FU LI, CN
[72] WANG, JIANGFENG, CN
[72] WU, XINGLONG, CN
[72] LI, CUNFEI, CN
[72] YANG, LIGUO, CN
[72] HU, BIAO, CN
[72] JIANG, QIYANG, CN
[72] AN, ZHIXING, CN
[72] DANG, KUIFENG, CN
[71] VIVAVISIONSHANGHAILTD, CN
[85] 2020-09-02
[86] 2018-05-21 (PCT/CN2018/087629)
[87] (WO2019/001171)
[30] CN (201710502653.3) 2017-06-27
[30] CN (201810291023.0) 2018-04-03

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[51] **Int.Cl. G01V 3/12 (2006.01) H04B 17/30 (2015.01) H04W 4/38 (2018.01) G08B 21/22 (2006.01)**
[25] EN
[54] **DETECTING PRESENCE BASED ON WIRELESS SIGNAL ANALYSIS**
[54] **DETECTION DE PRESENCE D'APRES UNE ANALYSE DE SIGNAUX SANS FIL**
[72] KRAVETS, OLEKSIY, CA
[72] PIAO, YUNFENG, CA
[71] COGNITIVE SYSTEMS CORP., CA
[85] 2020-09-02
[86] 2018-09-11 (PCT/CA2018/051114)
[87] (WO2019/183708)
[30] US (15/935,972) 2018-03-26

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[13] A1
[51] **Int.Cl. B01J 38/02 (2006.01) B01J 37/08 (2006.01)**
[25] EN
[54] **PRECIOUS METAL CATALYST BRIQUETTES, PROCESS FOR THE MANUFACTURE AND FOR THE INCINERATION THEREOF**
[54] **BRIQUETTES DE CATALYSEUR A BASE DE METAL PRECIEUX, PROCEDE DE FABRICATION ET D'INCINERATION DE CELLES-CI**
[72] ZHANG, BIN, CN
[72] MOCK, CHRISTIAN, DE
[72] BAUER-SIEBENLIST, BERNHARDT, DE
[72] HU, ZHENGQUAN, CN
[72] FAN, CUNFEI, CN
[72] LI, WENGANG, CN
[72] LIU, GANGFENG, CN
[71] HERAEUS DEUTSCHLAND GMBH & CO. KG, DE
[71] HERAEUS PRECIOUS METAL TECHNOLOGY (CHINA) CO., LTD., CN
[85] 2020-09-02
[86] 2018-06-21 (PCT/CN2018/092182)
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[51] **Int.Cl. G16H 50/20 (2018.01) G16H 10/60 (2018.01) G16H 20/00 (2018.01) G16H 50/30 (2018.01) A61M 1/14 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETERMINING FUNCTIONALITY OF DIALYSIS PATIENTS FOR ASSESSING PARAMETERS AND TIMING OF PALLIATIVE AND/OR HOSPICE CARE**
[54] **SYSTEMES ET PROCEDES POUR DETERMINER LA FONCTIONNALITE DE PATIENTS SOUS DIALYSE AFIN D'EVALUER LES PARAMETRES ET LA GESTION DES TEMPS DES SOINS PALLIATIFS ET/OU HOSPITALIERS**
[72] CHAUDHURI, SHEETAL, US
[72] USVYAT, LEN, US
[72] MADDUX, DUGGAN W., US
[72] MADDUX, FRANKLIN W., US
[72] HAN, HAO, US
[72] DEMALINE, JESSICA S., US
[72] BUTLER, KAREN G., US
[71] FRESENIUS MEDICAL CARE HOLDINGS, INC., US
[85] 2020-09-01
[86] 2019-04-11 (PCT/US2019/027022)
[87] (WO2019/200125)
[30] US (62/656,715) 2018-04-12
[30] US (62/716,046) 2018-08-08

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[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/713 (2006.01) A61K 38/18 (2006.01) A61K 38/48 (2006.01) A61P 9/00 (2006.01) A61P 39/02 (2006.01)**
[25] EN
[54] **ELIMINATION OR NEUTRALIZATION OF ENDOGENOUS HIGH MOLECULAR WEIGHT FGF-2 INCREASES CARDIAC RESISTANCE TO DOXORUBICIN-INDUCED DAMAGE**
[54] **L'ELIMINATION OU LA NEUTRALISATION DE FGF-2 DE POIDS MOLECULAIRE ELEVE ENDOGENE AUGMENTE LA RESISTANCE CARDIAQUE A UN DOMMAGE INDUIT PAR LA DOXORUBICINE**
[72] KARDAMI, ELISSAVET, CA
[72] KOLEINI, NAVID, CA
[71] UNIVERSITY OF MANITOBA, CA
[85] 2020-09-02
[86] 2019-03-05 (PCT/CA2019/050262)
[87] (WO2019/169484)
[30] US (62/638,695) 2018-03-05

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[13] A1
[51] **Int.Cl. E21B 43/295 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **IN-SITU PROCESS TO PRODUCE SYNTHESIS GAS FROM UNDERGROUND HYDROCARBON PETROLEUM RESERVOIRS**
[54] **PROCESSUS IN SITU DE PRODUCTION DE GAZ DE SYNTHESE A PARTIR DE RESERVOIRS D'HYDROCARBURES SOUTERRAINS**
[72] STREM, GRANT D., CA
[72] GATES, IAN D., CA
[72] WANG, JINGYI, CA
[71] PROTON TECHNOLOGIES CANADA INC., CA
[85] 2020-09-02
[86] 2019-03-06 (PCT/CA2019/050271)
[87] (WO2019/169492)
[30] US (62/639,184) 2018-03-06

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[13] A1
[51] **Int.Cl. A61K 39/385 (2006.01) A61K 39/21 (2006.01) A61K 48/00 (2006.01) C12N 15/00 (2006.01) C12Q 1/70 (2006.01)**
[25] EN
[54] **FOAMY VIRUSES AND METHODS OF USE**
[54] **VIRUS SPUMEUX ET METHODES D'UTILISATION**
[72] IKEDA, YASUHIRO, US
[72] BUDZIK, KAROL M., US
[72] RUSSELL, STEPHEN JAMES, US
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US
[85] 2020-09-01
[86] 2019-04-12 (PCT/US2019/027353)
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[30] US (62/663,637) 2018-04-27

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[13] A1
[51] **Int.Cl. F16J 13/10 (2006.01) F16J 13/18 (2006.01) F16J 13/24 (2006.01)**
[25] EN
[54] **VESSEL CLOSURE DEVICE WITH FAIL SAFE FAILURE DETECTION MEANS**
[54] **DISPOSITIF DE FERMETURE DE RECIPIENT AVEC MOYEN DE DETECTION DE DEFAILLANCE A SECURITE INTEGREE**
[72] MITCHELL, JOSHUA, US
[72] KEENAN, WILLIAM, US
[72] TEFFT, WILLIAM, US
[72] MORTON, JOSEPH ALAN, US
[72] RITCHIE, AARON M., US
[72] HENDRICKS, ROBERT FULTON, US
[72] BOEHNING, SAMUEL R., US
[71] TDW DELAWARE, INC., US
[85] 2020-09-01
[86] 2019-06-05 (PCT/US2019/035559)
[87] (WO2019/236691)
[30] US (62/680,801) 2018-06-05

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[13] A1
[51] **Int.Cl. E04G 11/48 (2006.01) E01D 21/00 (2006.01) E04G 5/06 (2006.01) E04G 13/06 (2006.01) E04G 17/16 (2006.01)**
[25] EN
[54] **SUPPORTING DEVICE FOR THE CONSTRUCTION INDUSTRY, ARRANGEMENT CONSISTING OF AT LEAST TWO SUCH SUPPORTING DEVICES, INCREMENTAL LAUNCHING DEVICE COMPRISING AT LEAST ONE SUCH SUPPORTING DEVICE, AND METHOD FOR SUPPORTING A LOAD ELEMENT USING SUCH A SUPPORTING DEVICE**
[54] **DISPOSITIF DE SOUTIEN POUR LE DOMAINE DE LA CONSTRUCTION, AGENCEMENT CONSTITUE D'AU MOINS DEUX DISPOSITIFS DE SOUTIEN DE CE TYPE, DISPOSITIF DE LANCAGE INCREMENTAL POURVU D'AU MOINS UN TEL DISPOSITIF DE SOUTIEN ET PROCEDE DESTINE A SOUTENIR UN ELEMENT DE CHARGE PAR LE BIAIS D'UN TEL DISPOSITIF DE SOUTIEN**
[72] STURM, FLORIAN, DE
[71] PERI GMBH, DE
[85] 2020-09-02
[86] 2019-03-06 (PCT/DE2019/100201)
[87] (WO2019/170196)
[30] DE (10 2018 203 612.8) 2018-03-09

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[51] **Int.Cl. A01N 25/04 (2006.01) A01N 25/14 (2006.01) A01N 43/20 (2006.01)**
[25] EN
[54] **AGROCHEMICAL DISPERSANTS**
[54] **DISPERSANTS AGROCHIMIQUES**
[72] STERN, ALAN J., US
[71] INDORAMA VENTURES OXIDES LLC, US
[85] 2020-09-01
[86] 2019-06-12 (PCT/US2019/036663)
[87] (WO2019/241317)
[30] US (62/684,885) 2018-06-14

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[13] A1
[51] **Int.Cl. B66D 1/50 (2006.01)**
[25] EN
[54] **ULTRA-DEEP UNDERGROUND TRACTION SYSTEM HAVING HORIZONTAL DRIVING LAYOUT AND METHOD OF USE**
[54] **SYSTEME DE TRACTION SOUTERRAIN A TRES GRANDE PROFONDEUR AYANT UN ARRANGEMENT D'ENTRAINEMENT HORIZONTAL ET PROCEDE D'UTILISATION**
[72] CAO, GUOHUA, CN
[72] ZHU, ZHENCAI, CN
[72] ZHOU, GONGBO, CN
[72] TANG, YU, CN
[72] PENG, YUXING, CN
[71] CHINA UNIVERSITY OF MINING AND TECHNOLOGY, CN
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[86] 2019-09-12 (PCT/CN2019/105581)
[87] (WO2020/125089)
[30] CN (201811541185.1) 2018-12-17

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[25] EN
[54] **VEHICLE WIRELESS LOCAL AREA NETWORKS**
[54] **RESEAUX LOCAUX SANS FIL DE VEHICULE**
[72] MCCANN, STEPHEN, GB
[72] MONTEMURRO, MICHAEL PETER, CA
[72] LEPP, JAMES RANDOLPH WINTER, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-09-02
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[25] EN
[54] **METHOD FOR DISPLACING A CEILING FORMWORK, COLLISION PROTECTION ELEMENT, AND CEILING FORMWORK, SUPPORTING DEVICE AND INCREMENTAL LAUNCHING DEVICE COMPRISING SUCH A COLLISION PROTECTION ELEMENT**
[54] **PROCEDE POUR DEPLACER UN COFFRAGE DE DALLE, ELEMENT ANTI-TAMPONNAGE AINSI QUE COFFRAGE DE DALLE, DISPOSITIF SUPPORT ET DISPOSITIF DE DEPLACEMENT PAR CYCLE PRESENTANT UN TEL ELEMENT ANTI-TAMPONNAGE**
[72] STURM, FLORIAN, DE
[71] PERI GMBH, DE
[85] 2020-09-02
[86] 2019-03-06 (PCT/DE2019/100202)
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[25] EN
[54] **INTERLOCKING FRACTURE PLUG FOR PRESSURE ISOLATION AND REMOVAL IN TUBING OF WELL**
[54] **BOUCHON DE FRACTURATION A ASSERVISSEMENT POUR L'ISOLATION ET SUPPRESSION DE LA PRESSION DANS UN TUBAGE DE PUITS**
[72] MHASKAR, NAUMAN, US
[72] ROCHEN, JAMES, US
[72] PRITCHETT, WESLEY, US
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-09-01
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[54] **DETERMINATION OF THE ENERGY EFFICIENCY OF A BELT CONVEYOR**
[54] **DETERMINATION DU RENDEMENT ENERGETIQUE D'UN TRANSPORTEUR A COURROIE**
[72] ZIEGLER, MANFRED, DE
[72] GRZYBEK, MICHAEL, DE
[72] BOKER, UWE, DE
[71] VOITH PATENT GMBH, DE
[85] 2020-09-02
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[25] EN
[54] **METHOD AND APPARATUS FOR IMAGE FILTERING WITH ADAPTIVE MULTIPLIER COEFFICIENTS**
[54] **PROCEDE ET APPAREIL DE FILTRAGE D'IMAGE A COEFFICIENTS MULTIPLICATEURS ADAPTATIFS**
[72] ESENLIK, SEMIH, DE
[72] KOTRA, ANAND MEHER, DE
[72] ZHAO, ZHIJIE, DE
[72] CHEN, JIANLE, DE
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **LOWERING SYSTEM AND SUPPORT DEVICE, AND CEILING FORMWORK HAVING SUCH A LOWERING SYSTEM**
[54] **DISPOSITIF D'ABAISSEMENT AINSI QUE DISPOSITIF DE SUPPORT ET COFFRAGE DE PLAFOND DOTE D'EN TEL DISPOSITIF D'ABAISSEMENT**
[72] STURM, FLORIAN, DE
[71] PERI GMBH, DE
[85] 2020-09-02
[86] 2019-03-04 (PCT/DE2019/100191)
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[54] **FACE MASK AND METHOD FOR CONFORMING A FACE MASK TO A FACE**
[54] **MASQUE FACIAL ET PROCEDE DE CONFORMATION D'UN MASQUE FACIAL A UN VISAGE**
[72] SZASZ, RICHARD DEVIN, CA
[72] WHITBY, PETER LIONEL, CA
[72] FYKE, STEVEN HENRY, CA
[72] GRIFFIN, JASON, CA
[71] O2 INDUSTRIES INC., CA
[85] 2020-09-01
[86] 2019-03-01 (PCT/CA2019/050244)
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[25] EN
[54] **ZINC ALLOY COATED HIGH-STRENGTH STEELS AND METHOD OF MANUFACTURING THE SAME**
[54] **ACIERS DURCISSABLES PAR PRESSION REVETUS D'ALLIAGE DE ZINC ET LEUR PROCEDE DE FABRICATION**
[72] SUN, WEIPING, US
[72] GAO, NAN, CA
[72] LIU, YIHUI, CA
[71] NUCOR CORPORATION, US
[71] TECK METALS LTD., CA
[85] 2020-09-01
[86] 2019-02-28 (PCT/US2019/020153)
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[25] EN
[54] **TIME-OF-FLIGHT MEASUREMENT VISION CAMERA OPTIMIZED FOR MULTI-CAMERA ENVIRONMENT**
[54] **CAMERA DE VISION A MESURE DE TEMPS DE VOL OPTIMISEE POUR ENVIRONNEMENT MULTI-CAMERAS**
[72] FEREYRE, PIERRE, FR
[72] MAILLAND, CHRISTOPHE, FR
[72] VILLE, PIERRE-EMMANUEL, FR
[71] TELEDYNE E2V SEMICONDUCTORS SAS, FR
[85] 2020-09-02
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[25] EN
[54] **DEVICE FOR LOCKING A VOLUME ADJUSTMENT SCREW FOR A PIPETTING SYSTEM**
[54] **DISPOSITIF DE VERROUILLAGE D'UNE VIS DE REGLAGE DE VOLUME POUR UN SYSTEME DE PIPETAGE**
[72] MALVOISIN, HERVE, FR
[71] GILSON SAS, FR
[85] 2020-09-02
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[87] (WO2019/202246)
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[25] EN
[54] **TREATMENT OF TUMORS BY A COMBINATION OF AN ONCOLYTIC ADENOVIRUS AND A CDK4/6 INHIBITOR**
[54] **TRAITEMENT DE TUMEURS PAR UNE COMBINAISON D'UN ADENOVIRUS ONCOLYTIQUE ET D'UN INHIBITEUR DE CDK4/6**
[72] HOLM, PER SONNE, DE
[72] NAWROTH, ROMAN, DE
[71] KLINIKUM RECHTS DER ISAR DER TECHNISCHEN UNIVERSITAT MUNCHEN, DE
[85] 2020-09-02
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[25] EN
[54] **LEAKTIGHT ARRANGEMENT**
[54] **AGENCEMENT ETANCHE**
[72] VARA, FERNANDO, ES
[72] ARNANZ GONZALEZ, JACOBO, ES
[72] MAZZOCCHI, PAOLO, IT
[72] ORTU, MATTEO, IT
[71] ACCIONA CONSTUCCION, S.A., ES
[71] GHELLA, SPA, IT
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[51] **Int.Cl. A24F 47/00 (2020.01) A61M 15/06 (2006.01)**
[25] EN
[54] **ELECTRONIC AEROSOL PROVISION SYSTEM**
[54] **SYSTEME ELECTRONIQUE DE FOURNITURE D'AEROSOL**
[72] MOLONEY, PATRICK, GB
[72] DICKENS, COLIN, GB
[72] CHAN, JUSTIN HAN YANG, GB
[71] NICOVENTURES TRADING LIMITED, GB
[85] 2020-09-02
[86] 2019-02-12 (PCT/GB2019/050364)
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[30] GB (1803648.3) 2018-03-07

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[25] EN
[54] **SELECTING POWER CONSUMPTION MODES OF ELECTRONIC DEVICES**
[54] **SELECTION DE MODES DE CONSOMMATION D'ENERGIE DE DISPOSITIFS ELECTRONIQUES**
[72] JANTZI, JASON WAYNE, CA
[72] FULESHWAR PRASAD, MAHENDRA, CA
[72] BARRETT, STEPHEN JOHN, CA
[72] FAURIE, RENE, CA
[71] BLACKBERRY LIMITED, CA
[85] 2020-09-02
[86] 2018-05-11 (PCT/IB2018/000605)
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[51] **Int.Cl. A01K 11/00 (2006.01) H04W 84/10 (2009.01) A01K 29/00 (2006.01) G01S 5/00 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM AND METHOD FOR TRACKING ANIMALS**
[54] **DISPOSITIF, SYSTEME ET PROCEDE POUR SUIVRE DES ANIMAUX**
[72] ABELS, MARKUS, DE
[72] GAHR, MANFRED, DE
[72] VAN EMDEN, ROBIN, NL
[71] MAX-PLANCK-GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN E.V., DE
[85] 2020-09-02
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[51] **Int.Cl. G16H 20/40 (2018.01) A61B 34/10 (2016.01) G16H 30/40 (2018.01)**
[25] EN
[54] **PATIENT-SPECIFIC ARTHROPLASTY SYSTEM**
[54] **SYSTEME D'ARTHROPLASTIE SPECIFIQUE D'UN PATIENT**
[72] PASZICSNYEK, THOMAS, AT
[71] MIT ENTWICKLUNGS GMBH, AT
[85] 2020-09-02
[86] 2019-03-06 (PCT/IB2019/001069)
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[30] US (15/914,392) 2018-03-07

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[25] EN
[54] **WELDING DEVICE, AND WELDING METHOD EMPLOYING WELDING DEVICE**
[54] **DISPOSITIF DE SOUDAGE ET PROCEDE DE SOUDAGE UTILISANT LE DISPOSITIF DE SOUDAGE**
[72] YASHIMA, TAKASHI, JP
[72] YOKOTA, MASAHIRO, JP
[72] IZUTANI, SHUN, JP
[72] KAWASAKI, HIROFUMI, JP
[72] TODA, SHINOBU, JP
[71] KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.), JP
[71] KOBELCO ROBOTIX CO., LTD., JP
[85] 2020-09-02
[86] 2019-03-13 (PCT/JP2019/010161)
[87] (WO2019/188272)
[30] JP (2018-069163) 2018-03-30

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[51] **Int.Cl. A61K 31/352 (2006.01) A61K 9/06 (2006.01) A61K 9/20 (2006.01) A61K 9/48 (2006.01) A61K 31/05 (2006.01) A61K 36/185 (2006.01) A61K 47/10 (2017.01) A61K 47/14 (2017.01)**
[25] EN
[54] **WATER-SOLUBLE PHYTOCANNABINOID FORMULATIONS**
[54] **FORMULATIONS DE PHYTOCANNABINOIDES HYDROSOLUBLES**
[72] KUHRTS, ERIC, US
[71] SOLVA, LLC, US
[85] 2020-09-02
[86] 2018-03-05 (PCT/US2018/020925)
[87] (WO2019/172876)

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[51] **Int.Cl. F24F 1/02 (2019.01) F24F 1/0041 (2019.01) F24F 13/20 (2006.01)**
[25] EN
[54] **AIR CONDITIONER VENTILATION DEVICE AND AIR CONDITIONER VENTILATION METHOD**
[54] **DISPOSITIF ET PROCEDE DE VENTILATION POUR CLIMATISEUR**
[72] IMAIZUMI, MASARU, JP
[72] UEDA, SATOSHI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-09-02
[86] 2019-03-28 (PCT/JP2019/013553)
[87] (WO2019/194063)
[30] JP (2018-070546) 2018-04-02

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[51] **Int.Cl. C12N 9/52 (2006.01)**
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[54] **THERMOLABILE PROTEINASES**
[54] **PROTEINASES THERMOLABILES**
[72] STRIBERNY, BERND KETELSEN, NO
[72] PEDERSEN, CATHRINE, NO
[72] HENRIKSEN, JORN REMI, NO
[72] LANES, OLAV, NO
[72] LORENTZEN, MARIT SJO, NO
[71] ARCTICZYMES AS, NO
[85] 2020-09-02
[86] 2019-03-07 (PCT/EP2019/055724)
[87] (WO2019/170809)
[30] GB (1803654.1) 2018-03-07

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[51] **Int.Cl. C09D 5/14 (2006.01)**
[25] EN
[54] **ANTIMICROBIAL QUICK KILL FILM**
[54] **FILM ANTIMICROBIEN A DESTRUCTION RAPIDE**
[72] MEHRANPOUR, MILAD, US
[72] SEYEDESFAHANI, SEYEDARMIN, IR
[72] MOHAMMADI, SEYEDALI, IR
[71] 2711110 ONTARIO INC., CA
[85] 2020-09-02
[86] 2019-01-13 (PCT/IB2019/050251)
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[51] **Int.Cl. C09K 8/03 (2006.01) C09K 8/524 (2006.01) E21B 37/06 (2006.01)**
[25] EN
[54] **TREATMENT OF OIL AND GAS WELLS AND OIL HANDLING EQUIPMENT**
[54] **TRAITEMENT DE PUITS DE PETROLE ET DE GAZ ET EQUIPEMENT DE MANUTENTION DE PETROLE**
[72] MILLER, FRANCIS, US
[72] PHILLIPS, TIMOTHY, US
[72] PHILLIPS, LEA, US
[72] ALSUP, ARTHUR L., US
[71] LAKE COUNTRY FRACWATER SPECIALISTS, LLC, US
[71] ELD RESOURCES, LLC, US
[71] ALSUP, ARTHUR L., US
[85] 2020-09-02
[86] 2019-03-01 (PCT/US2019/020195)
[87] (WO2019/169215)
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[51] **Int.Cl. A61K 9/50 (2006.01) A23P 10/30 (2016.01) A61P 1/00 (2006.01)**
[25] EN
[54] **A METHOD INDUCING SATIETY IN A MAMMAL**
[54] **PROCEDE INDUISANT LA SATIETE CHEZ UN MAMMIFERE**
[72] BLEIEL, SINEAD, IE
[72] KENT, ROBERT, IE
[72] DOCHERTY, NEIL GERARD, IE
[72] WYNAND LE ROUX, CAREL, IE
[71] ANABIO TECHNOLOGIES LTD., IE
[85] 2020-09-02
[86] 2019-03-07 (PCT/EP2019/055791)
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[30] GB (1803664.0) 2018-03-07

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[25] EN
[54] **SYSTEMS AND METHODS FOR SELECTIVELY ENHANCING THE WEIGHT AND AERODYNAMICS OF SPORTING EQUIPMENT**
[54] **SYSTEMES ET PROCEDES POUR AMELIORER SELECTIVEMENT LE POIDS ET L'AERODYNAMIQUE D'UN EQUIPEMENT SPORTIF**
[72] MAZURSKY, RICHARD B., US
[72] ABFALL, TONY J., US
[72] CARRICO, MICHAEL S., US
[71] PDQ MAZOO, LLC, US
[85] 2020-09-02
[86] 2019-03-01 (PCT/US2019/020235)
[87] (WO2019/169239)
[30] US (62/637,813) 2018-03-02
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[51] **Int.Cl. G16H 50/20 (2018.01) A61B 5/00 (2006.01)**
[25] EN
[54] **AUTOMATED DIAGNOSTIC SUPPORT SYSTEM FOR CLINICAL DOCUMENTATION WORKFLOWS**
[54] **SYSTEME DE PRISE EN CHARGE DE DIAGNOSTIC AUTOMATISE POUR DES FLUX DE TRAVAUX DE DOCUMENTATION CLINIQUE**
[72] KOLL, DETLEF, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2020-09-02
[86] 2019-03-01 (PCT/US2019/020245)
[87] (WO2019/169242)
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[51] **Int.Cl. B09B 1/00 (2006.01) E21B 43/12 (2006.01)**
[25] EN
[54] **LANDFILL GAS EXTRACTION CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE D'EXTRACTION DE GAZ D'ENFOUISSEMENT**
[72] QUIGLEY, PETER, US
[72] MARTIN, IAN, US
[72] MICHELS, JOSEPH G., US
[72] SIMS, MELINDA, US
[72] THO, CHANTHOL, US
[71] LOCI CONTROLS, INC., US
[85] 2020-09-02
[86] 2019-03-01 (PCT/US2019/020251)
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[30] US (62/639,415) 2018-03-06
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[25] EN
[54] **CORNER-BREAK-OPEN SEALED PACKAGE**
[54] **EMBALLAGE SCELLE A OUVERTURE PAR RUPTURE DE COIN**
[72] TAGLINI, ANDREA, IT
[71] EASYSNAP TECHNOLOGY S.R.L., IT
[85] 2020-09-02
[86] 2019-03-07 (PCT/IB2019/051855)
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[30] IT (102018000003352) 2018-03-07

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[25] EN
[54] **COMPOSITIONS COMPRISING HIV ENVELOPES TO INDUCE HIV-1 ANTIBODIES**
[54] **COMPOSITIONS COMPRENANT DES ENVELOPPES DE VIH POUR INDUIRE DES ANTICORPS ANTI-VIH -1**
[72] SAUNDERS, KEVIN, US
[71] DUKE UNIVERSITY, US
[85] 2020-09-02
[86] 2019-03-01 (PCT/US2019/020436)
[87] (WO2019/169356)
[30] US (PCT/US18/20788) 2018-03-02
[30] US (62/739,701) 2018-10-01
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[54] **TREATMENT OF DISORDERS WITH TASIMELTEON**
[54] **TRAITEMENT DE TROUBLES AVEC TASIMELTEON**
[72] POLYMEROPOULOS, VASILIOS, US
[72] POLYMEROPOULOS, CHRISTOS, US
[72] XIAO, CHANGFU, US
[72] POLYMEROPOULOS, MIHAEL H., US
[71] VANDA PHARMACEUTICALS INC., US
[85] 2020-09-02
[86] 2019-03-04 (PCT/US2019/020491)
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[30] US (62/638,212) 2018-03-04
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[25] EN
[54] **PHENYLPYRROLIDINONE FORMYL PEPTIDE 2 RECEPTOR AGONISTS**
[54] **AGONISTES DU RECEPTEUR 2 DU PEPTIDE FORMYLE DE PHENYLPYRROLIDINONE**
[72] SHIRUDE, PRAVIN SUDHAKAR, IN
[72] BALIGAR, VISHWESHWARAIAH, IN
[72] SESHADRI, BALAJI, IN
[72] CHATTOPADHYAY, AMIT KUMAR, IN
[72] WURTZ, NICHOLAS R., US
[72] KICK, ELLEN K., US
[71] BRISTOL-MYERS SQUIBB COMPANY, US
[85] 2020-09-02
[86] 2019-03-04 (PCT/US2019/020493)
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[51] **Int.Cl. B23K 9/025 (2006.01) B23K 26/242 (2014.01) B23K 26/322 (2014.01) B23K 26/323 (2014.01) B21D 22/00 (2006.01) B21D 22/02 (2006.01) B21D 35/00 (2006.01) B23K 9/23 (2006.01) B23K 11/00 (2006.01) B23K 11/11 (2006.01) B23K 11/16 (2006.01) B23K 11/20 (2006.01) B23K 15/00 (2006.01) B23K 20/12 (2006.01) B23K 20/227 (2006.01) B23K 26/26 (2014.01) B23K 31/02 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A WELDED METAL BLANK AND THUS OBTAINED WELDED METAL BLANK**
[54] **PROCEDE DE PRODUCTION D'UN FLAN METALLIQUE SOUDE ET FLAN METALLIQUE SOUDE AINSI OBTENU**
[72] EHLING, WOLFRAM, BE
[72] VAN DER BORGHT, NIKO, BE
[71] ARCELORMITTAL, LU
[85] 2020-09-02
[86] 2019-03-07 (PCT/IB2019/051856)
[87] (WO2019/171323)
[30] IB (PCT/IB2018/051521) 2018-03-08

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[13] A1
[51] **Int.Cl. B65D 43/20 (2006.01) B65D 25/22 (2006.01) E05B 65/00 (2006.01)**
[25] EN
[54] **SLIDE AND LOCK PACKAGE WITH FILM SEALABLE TRAY**
[54] **EMBALLAGE A GLISSIERE ET VERROUILLAGE DOTE D'UN PLATEAU POUVANT ETRE SCELLE PAR FILM**
[72] RUD, DIANA KAY, US
[71] SONOCO DEVELOPMENT, INC., US
[85] 2020-09-02
[86] 2019-03-04 (PCT/US2019/020561)
[87] (WO2019/173222)
[30] US (15/916,713) 2018-03-09

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[13] A1
[51] **Int.Cl. A23P 10/30 (2016.01) A23L 33/125 (2016.01) A23L 33/185 (2016.01) A23L 33/19 (2016.01) A61K 9/14 (2006.01)**
[25] EN
[54] **A COMPOSITION FOR TYPE II DIABETICS AND FOR USE IN PROVIDING SUSTAINED ENERGY RELEASE OVER TIME**
[54] **COMPOSITION POUR DIABETIQUES DE TYPE II ET DESTINEE A ETRE UTILISEE POUR FOURNIR UNE LIBERATION D'ENERGIE PROLONGEE DANS LE TEMPS**
[72] BLEIEL, SINEAD, IE
[72] KENT, ROBERT, IE
[72] DOCHERTY, NEIL GERARD, IE
[72] WYNAND LE ROUX, CAREL, IE
[71] ANABIO TECHNOLOGIES LTD., IE
[85] 2020-09-02
[86] 2019-03-07 (PCT/EP2019/055792)
[87] (WO2019/170840)
[30] EP (18160601.3) 2018-03-07

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 31/00 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **USE OF AN ANTI-P-SELECTIN ANTIBODY**
[54] **UTILISATION D'UN ANTICORPS ANTI-P-SELECTINE**
[72] CHATURVEDI, SHALINI, US
[72] RADIMERSKI, THOMAS, CH
[72] MENSSEN, HANS, CH
[72] MIGLIACCIO, ANNA RITA FRANCO, IT
[71] NOVARTIS AG, CH
[71] MIGLIACCIO, ANNA RITA FRANCO, IT
[85] 2020-09-02
[86] 2019-03-07 (PCT/IB2019/051859)
[87] (WO2019/171326)
[30] US (62/640,113) 2018-03-08
[30] US (62/640,117) 2018-03-08

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[13] A1
[51] **Int.Cl. E04B 1/343 (2006.01) E04B 1/02 (2006.01) E04B 1/14 (2006.01) E04B 1/348 (2006.01) E04B 2/00 (2006.01)**
[25] EN
[54] **PREFABRICATED BUILDING SYSTEM**
[54] **SYSTEME DE BATIMENT PREFABRIQUE**
[72] LIN, FANYU, US
[72] STENDHAL, HARRY, US
[71] FLUXUS LLC, US
[85] 2020-09-02
[86] 2019-03-05 (PCT/US2019/020668)
[87] (WO2019/173279)
[30] US (62/638,451) 2018-03-05

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[13] A1
[51] **Int.Cl. A61K 31/427 (2006.01) A61K 31/337 (2006.01) A61K 31/4196 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING OR TREATING CANCER, COMPRISING A VASCULAR DISRUPTING AGENT AND TAXANE COMPOUND**
[54] **COMPOSITION POUR LA PREVENTION OU LE TRAITEMENT DU CANCER, COMPRENANT UN AGENT DE PERTURBATION VASCULAIRE ET UN COMPOSE DE TAXANE**
[72] KIM, SOO JIN, KR
[71] CHONG KUN DANG PHARMACEUTICAL CORP., KR
[85] 2020-09-02
[86] 2019-05-17 (PCT/KR2019/005941)
[87] (WO2019/221556)
[30] KR (10-2018-0057131) 2018-05-18

[21] **3,092,934**
[13] A1
[51] **Int.Cl. D21H 17/00 (2006.01) D21C 5/00 (2006.01) D21H 17/09 (2006.01) D21H 17/42 (2006.01) D21H 21/24 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR PRODUCING MARKET PULP AND PRODUCTS THEREOF**
[54] **PROCEDE ET SYSTEME DE PRODUCTION DE PATE COMMERCIALISEE ET PRODUITS ASSOCIES**
[72] HOEKSTRA, PHILIP M., US
[72] HANUMANSETTY, SRINIVAS, US
[71] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2020-09-02
[86] 2019-03-06 (PCT/US2019/020862)
[87] (WO2019/177826)
[30] US (62/643,224) 2018-03-15
[30] US (62/702,395) 2018-07-24

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[13] A1
[51] **Int.Cl. A61K 38/16 (2006.01) A61K 39/29 (2006.01) A61K 39/39 (2006.01) A61P 31/20 (2006.01) C07K 14/005 (2006.01) C07K 19/00 (2006.01)**
[25] EN
[54] **HEPATITIS B VACCINES AND USES OF THE SAME**
[54] **VACCINS CONTRE L'HEPATITE B ET UTILISATIONS DE CES DERNIERS**
[72] BROUGH, DOUGLAS E., US
[72] BOLINGER, CHERYL G., US
[72] YARLAGADDA, RAMYA, US
[72] KURELLA, VINODHBABU, US
[72] PRABAKARAN, PONRAJ, US
[72] METENOU, SIMON, US
[72] DING, KUAN-FU, US
[71] PRECIGEN, INC., US
[71] PGEN THERAPEUTICS, INC., US
[85] 2020-09-02
[86] 2019-03-06 (PCT/US2019/020930)
[87] (WO2019/173463)
[30] US (62/639,354) 2018-03-06

[21] **3,092,936**
[13] A1
[51] **Int.Cl. A61K 39/395 (2006.01) A61P 9/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **USE OF PCSK9 INHIBITOR FOR REDUCING CARDIOVASCULAR RISK**
[54] **UTILISATION D'UN INHIBITEUR DE PCSK9 POUR REDUIRE LE RISQUE CARDIOVASCULAIRE**
[72] BESSAC, LAURENCE, FR
[72] HANOTIN, CORINNE, FR
[72] PORDY, ROBERT, US
[72] SASIELA, WILLIAM, US
[72] SCHWARTZ, GREGORY, US
[72] STEG, PHILIPPE, FR
[71] SANOFI BIOTECHNOLOGY, FR
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2020-09-02
[86] 2019-03-06 (PCT/US2019/021034)
[87] (WO2019/173530)
[30] US (62/639,407) 2018-03-06
[30] US (62/640,361) 2018-03-08
[30] US (62/641,082) 2018-03-09
[30] US (62/641,918) 2018-03-12
[30] US (62/657,495) 2018-04-13
[30] US (62/683,695) 2018-06-12
[30] US (62/688,622) 2018-06-22
[30] US (62/717,530) 2018-08-10
[30] US (62/736,284) 2018-09-25
[30] US (62/744,008) 2018-10-10
[30] US (62/746,319) 2018-10-16
[30] US (62/770,530) 2018-11-21
[30] US (62/775,219) 2018-12-04
[30] US (62/797,680) 2019-01-28
[30] US (62/802,545) 2019-02-07
[30] US (62/806,313) 2019-02-15
[30] EP (19305247.9) 2019-03-04

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[51] **Int.Cl. A61K 39/12 (2006.01) A61K 39/295 (2006.01) C07K 14/005 (2006.01) C07K 14/025 (2006.01)**
[25] EN
[54] **HUMAN PAPILLOMAVIRUS VACCINES AND USES OF THE SAME**
[54] **VACCINS CONTRE LE PAPILLOMAVIRUS HUMAIN ET UTILISATIONS DE CES DERNIERS**
[72] BROUGH, DOUGLAS E., US
[72] BOLINGER, CHERYL G., US
[72] YARLAGADDA, RAMYA, US
[72] KURELLA, VINODHBABU, US
[72] PRABAKARAN, PONRAJ, US
[72] METENOU, SIMON, US
[72] DING, KUAN-FU, US
[71] PGEN THERAPEUTICS, INC., US
[71] PRECIGEN, INC., US
[85] 2020-09-02
[86] 2019-03-06 (PCT/US2019/020933)
[87] (WO2019/173465)
[30] US (62/639,354) 2018-03-06

[21] **3,092,938**
[13] A1
[51] **Int.Cl. C04B 35/58 (2006.01) C04B 37/00 (2006.01)**
[25] EN
[54] **A HEATING ELEMENT**
[54] **ELEMENT CHAUFFANT**
[72] STROM, ERIK, SE
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2020-09-02
[86] 2019-03-15 (PCT/EP2019/056627)
[87] (WO2019/179903)
[30] EP (PCT/EP2018/056777) 2018-03-18

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[13] A1
[51] **Int.Cl. A61K 31/5377 (2006.01) A61K 9/00 (2006.01) A61K 31/047 (2006.01) A61K 31/4436 (2006.01) A61N 5/06 (2006.01) A61P 17/00 (2006.01) A61P 17/06 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATING HYPERPROLIFERATIVE SKIN DISORDERS**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DES TROUBLES CUTANES HYPERPROLIFERATIFS**
[72] LAU, JOHNSON YIU-NAM, US
[72] VERONE-BOYLE, ALISSA RAE, US
[72] WONG, CHUN-HO, CN
[72] BU, YAHAO, US
[72] CUTLER, MURRAY JOHN, CA
[72] BELKO, KRISTA ELIZABETH, US
[72] KWAN, MIN-FUN RUDOLF, US
[71] ATHENEX HK INNOVATIVE LIMITED, CN
[85] 2020-09-02
[86] 2019-03-06 (PCT/US2019/021037)
[87] (WO2019/173533)
[30] US (62/639,742) 2018-03-07

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01)**
[25] EN
[54] **CUSTOMIZED VIEW OF RESTRICTED INFORMATION RECORDED INTO A BLOCKCHAIN**
[54] **VUE PERSONNALISEE D'INFORMATIONS RESTREINTES ENREGISTREES DANS UNE CHAINE DE BLOCS**
[72] SIMONS, JORDAN, US
[71] AMERICORP INVESTMENTS LLC, US
[85] 2020-09-02
[86] 2019-03-06 (PCT/US2019/021020)
[87] (WO2019/173519)
[30] US (62/639,393) 2018-03-06
[30] US (62/701,947) 2018-07-23

[21] **3,092,941**
[13] A1
[51] **Int.Cl. G06K 9/62 (2006.01) G06K 9/00 (2006.01)**
[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] 2020-09-02
[86] 2019-03-07 (PCT/US2019/021100)
[87] (WO2019/173562)
[30] US (15/914,942) 2018-03-07
[30] US (15/914,436) 2018-03-07
[30] US (15/914,969) 2018-03-07
[30] US (15/914,562) 2018-03-07
[30] US (16/218,139) 2018-12-12

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[13] A1
[51] **Int.Cl. F04D 7/00 (2006.01) A01K 63/00 (2017.01) A01K 79/00 (2006.01) F04B 15/00 (2006.01) F04D 7/02 (2006.01) F04D 29/18 (2006.01) F04D 29/22 (2006.01)**
[25] EN
[54] **BLADES PROPELLER MECHANISM OF CENTRIFUGAL PUMP FOR TRANSPORT OF LIQUIDS AND LIVE FAUNA**
[54] **MECANISME PROPULSEUR D'AUBES DE POMPE CENTRIFUGE POUR LE TRANSPORT DE LIQUIDES ET DE FAUNE VIVANTE**
[72] BUSTAMANTE SANDOVAL, FRANCISCO JAVIER, MX
[72] ROBLES CONTRERAS, ANGEL HERIBERTO, MX
[71] BUSTAMANTE SANDOVAL, FRANCISCO JAVIER, MX
[71] ROBLES CONTRERAS, ANGEL HERIBERTO, MX
[85] 2020-09-02
[86] 2018-02-19 (PCT/MX2018/050006)
[87] (WO2018/160053)
[30] MX (MX/a/2017/003271) 2017-03-03

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[13] A1
[51] **Int.Cl. G01V 1/36 (2006.01) G01V 1/24 (2006.01) G04F 10/00 (2006.01) G04G 7/00 (2006.01) G06F 1/12 (2006.01)**
[25] EN
[54] **METHOD FOR CORRECTION OF CLOCK DRIFT IN SEISMIC NODES, A SEISMIC NODE AND A SEISMIC NODE HANDLING SYSTEM**
[54] **PROCEDE DE CORRECTION DE DERIVE D'HORLOGE DANS DES N□UDS SISMIQUES, N□UD SISMIQUE ET SYSTEME DE GESTION DE N□UD SISMIQUE**
[72] AANENSEN, OISTEIN, NO
[71] INAPRIL AS, NO
[85] 2020-09-02
[86] 2019-03-01 (PCT/NO2019/050047)
[87] (WO2019/168411)
[30] NO (20180319) 2018-03-02

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **METHOD FOR PROVIDING DATA SECURITY USING ONE-WAY TOKEN**
[54] **PROCEDE PERMETTANT D'ASSURER UNE SECURITE DE DONNEES A L'AIDE D'UN JETON UNIDIRECTIONNEL**
[72] KULPATI, ASHISH, IN
[72] RAJURKAR, PANKAJ, IN
[72] SINGH, SHANTNU, SG
[72] MODI, VIKRAM, US
[72] NAYAK, KONI UTTAM, IN
[71] VISA INTERNATIONAL SERVICE ASSSOCIATION, US
[85] 2020-09-02
[86] 2018-03-08 (PCT/US2018/021526)
[87] (WO2019/172911)

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[13] A1
[51] **Int.Cl. H05B 3/14 (2006.01) C04B 35/58 (2006.01)**
[25] EN
[54] **A HEATING ELEMENT COMPRISING CHROMIUM ALLOYED MOLYBDENUM DISILICIDE AND THE USE THEREOF**
[54] **ELEMENT CHAUFFANT COMPRENANT DU DISILICIURE DE MOLYBDENE ALLIE AU CHROME ET SON UTILISATION**
[72] STROM, ERIK, SE
[72] LINDBLOM, PETTER, SE
[71] SANDVIK INTELLECTUAL PROPERTY AB, SE
[85] 2020-09-02
[86] 2019-03-15 (PCT/EP2019/056631)
[87] (WO2019/179904)
[30] EP (PCT/EP2018/056778) 2018-03-18

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[13] A1
[51] **Int.Cl. C07K 19/00 (2006.01) C12N 5/0783 (2010.01) A61K 35/12 (2015.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C12N 5/10 (2006.01) C12N 9/12 (2006.01) C12N 9/48 (2006.01) C12N 9/90 (2006.01) C12N 15/09 (2006.01) C12N 15/62 (2006.01) C12N 15/85 (2006.01) C12N 15/864 (2006.01) C12N 15/90 (2006.01) C12P 21/02 (2006.01)**
[25] EN
[54] **CARTYRIN COMPOSITIONS AND METHODS FOR USE**
[54] **COMPOSITIONS DE CARTYRIN ET METHODES D'UTILISATION**
[72] OSTERTAG, ERIC, US
[72] SHEDLOCK, DEVON, US
[71] POSEIDA THERAPEUTICS, INC., US
[85] 2020-09-02
[86] 2019-03-07 (PCT/US2019/021224)
[87] (WO2019/173636)
[30] US (62/639,978) 2018-03-07
[30] US (62/745,151) 2018-10-12
[30] US (62/783,140) 2018-12-20

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 31/496 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION COMPRISING BREXPIPRAZOLE**
[54] **COMPOSITION PHARMACEUTIQUE COMPRENANT DU BREXPIPRAZOLE**
[72] GARBERA, KAMIL, PL
[72] WOS-LATOSI, KATARZYNA, PL
[71] ADAMED PHARMA S.A., PL
[85] 2020-09-02
[86] 2019-03-21 (PCT/EP2019/057016)
[87] (WO2019/185432)
[30] EP (18461541.7) 2018-03-26

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[13] A1
[51] **Int.Cl. C12Q 1/6869 (2018.01) C12Q 1/6888 (2018.01)**
[25] EN
[54] **METHODS INVOLVING NUCLEIC ACID ANALYSIS OF MILK**
[54] **PROCEDES IMPLIQUANT UNE ANALYSE D'ACIDE NUCLEIQUE DU LAIT**
[72] GEORGES, MICHEL, BE
[72] COPPIETERS, WOUTER, BE
[72] KARIM, LATIFA, BE
[71] UNIVERSITE DE LIEGE, BE
[85] 2020-09-02
[86] 2019-03-26 (PCT/EP2019/057628)
[87] (WO2019/185654)
[30] EP (18164063.2) 2018-03-26

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[13] A1
[51] **Int.Cl. A61B 90/30 (2016.01) A61B 90/35 (2016.01) H05B 47/115 (2020.01) H05B 47/155 (2020.01) F21V 14/02 (2006.01) F21V 19/02 (2006.01) H02K 7/116 (2006.01) H02P 31/00 (2006.01)**
[25] EN
[54] **SURGICAL LIGHTING APPARATUS INCLUDING SURGICAL LIGHTHEAD WITH MOVEABLE LIGHTING MODULES**
[54] **APPAREIL D'ECLAIRAGE CHIRURGICAL COMPRENANT UNE TETE D'ECLAIRAGE CHIRURGICALE AVEC DES MODULES D'ECLAIRAGE MOBILES**
[72] PETRUCCI, JAMES ALLYN, US
[72] BELLOWS, LANCE CLARK, US
[71] AMERICAN STERILIZER COMPANY, US
[85] 2020-09-02
[86] 2018-12-19 (PCT/US2018/066352)
[87] (WO2019/177677)
[30] US (62/642,185) 2018-03-13
[30] US (16/223,234) 2018-12-18

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[13] A1
[51] **Int.Cl. A61L 27/26 (2006.01) B33Y 70/00 (2020.01) B33Y 80/00 (2015.01) A61L 27/38 (2006.01) A61L 27/48 (2006.01) A61L 27/56 (2006.01)**
[25] EN
[54] **NANOCELLULOSE-CONTAINING BIOINKS FOR 3D BIOPRINTING, METHODS OF MAKING AND USING THE SAME, AND 3D BIOSTRUCTURES OBTAINED THEREFROM**
[54] **ENCRES BIOLOGIQUES CONTENANT DE LA NANOCELLULOSE POUR LA BIO-IMPRESSION 3D, LEURS PROCEDES DE FABRICATION ET D'UTILISATION, ET BIOSTRUCTURES 3D OBTENUES A PARTIR DE CELLES-CI**
[72] NELSON, KIMBERLY, US
[72] WHITAKER, IAIN, GB
[72] JESSOP, ZITA, GB
[72] AL-SABAH, AYESHA, GB
[71] GRANBIO INTELLECTUAL PROPERTY HOLDINGS, LLC, US
[71] REGENINX LIMITED, GB
[85] 2020-09-02
[86] 2019-03-07 (PCT/US2019/021225)
[87] (WO2019/173637)
[30] US (62/639,538) 2018-03-07

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[13] A1
[51] **Int.Cl. B01D 53/00 (2006.01) B01D 53/86 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AIR TREATMENT**
[54] **SYSTEME ET METHODE POUR TRAITEMENT DE L'AIR**
[72] BENEDEK, KAREN, US
[72] CARBONE, PHILIP C., US
[72] LOFTUS, PETER J., US
[72] CHEIMETS, ANNA, US
[72] HENSEL, DAVID, US
[71] BLUEZONE IP HOLDING LLC, US
[85] 2020-09-02
[86] 2019-02-05 (PCT/US2019/016664)
[87] (WO2019/152996)
[30] US (62/626,548) 2018-02-05

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[13] A1
[51] **Int.Cl. E21D 9/12 (2006.01) E21C 35/20 (2006.01) E21C 27/00 (2006.01)**
[25] EN
[54] **MATERIAL HANDLING APPARATUS FOR A MINING MACHINE**
[54] **APPAREIL DE MANIPULATION DE MATERIAUX POUR HAVEUSE**
[72] WEINBERGER, GERHARD, AT
[72] SCHICHO, HELGA, AT
[72] IRREGGER, KARL, AT
[71] SANDVIK MINING AND CONSTRUCTION G.M.B.H., AT
[85] 2020-09-02
[86] 2018-03-29 (PCT/EP2018/058235)
[87] (WO2019/185160)

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[13] A1
[51] **Int.Cl. G01N 33/543 (2006.01) C12Q 1/6834 (2018.01) G01N 21/78 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **PROTEOMIC ASSAY USING QUANTUM SENSORS**
[54] **DOSAGE PROTEOMIQUE UTILISANT DES CAPTEURS QUANTIQUES**
[72] CLEVELAND, JASON PAUL, US
[72] HOLCZER, KAROLY, US
[72] VANT-HULL, BARRY PATRICK JOHN, US
[71] SOMALOGIC, INC., US
[85] 2020-09-02
[86] 2019-03-08 (PCT/US2019/021401)
[87] (WO2019/173743)
[30] US (15/917,524) 2018-03-09

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[13] A1
[51] **Int.Cl. E04C 2/10 (2006.01) E04C 2/32 (2006.01) E04C 2/52 (2006.01) E04F 13/10 (2006.01)**
[25] EN
[54] **STRUCTURAL OSB PANELS WITH INTEGRATED RAINSCREEN**
[54] **PANNEAUX DE STRUCTURE OSB A ECRAN DE PLUIE INTEGRE**
[72] LINE, JARROD KEVIN, US
[71] LOUISIANA-PACIFIC CORPORATION, US
[85] 2020-09-02
[86] 2019-02-14 (PCT/US2019/017949)
[87] (WO2019/161018)
[30] US (62/630,359) 2018-02-14

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[54] **COMPOSITIONS ET METHODES POUR LE TRAITEMENT DE LA MALADIE DE PARKINSON**
[72] MASON, CHRIS, US
[72] VAN TIL, NICO PETER, NL
[72] COOPER, OLIVER, US
[71] AVROBIO, INC., US
[85] 2020-09-02
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[54] **COMBINED POWER, DATA, AND COOLING DELIVERY IN A COMMUNICATIONS NETWORK**
[54] **FOURNITURE COMBINEE D'ELECTRICITE, DE DONNEES ET DE REFROIDISSEMENT DANS UN RESEAU DE COMMUNICATION**
[72] GOERGEN, JOE RICHARD, US
[72] BYERS, CHARLES CALVIN, US
[72] TWISS, ROBERT GREGORY, US
[72] ACHKIR, D. BRICE, US
[71] CISCO TECHNOLOGIES, INC, US
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[54] **SYSTEM AND METHOD FOR TREATING MEIBOMIAN GLAND DYSFUNCTION**
[54] **SYSTEME ET METHODE DE TRAITEMENT D'UNE DYSFONCTION DES GLANDES DE MEIBOMIUS**
[72] SULLIVAN, DAVID A., US
[72] LIU, YANG, US
[71] THE SCHEPENS EYE RESEARCH INSTITUTE, US
[85] 2020-09-02
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[30] US (62/637,984) 2018-03-02
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[54] **SOFT GEL COMPOSITIONS AND CAPSULES MADE FROM THE SAME**
[54] **COMPOSITIONS DE GEL MOU ET CAPSULES FABRIQUEES A PARTIR DE CELLES-CI**
[72] BAYLESS, RONNIE E., US
[72] CHIPRICH, TIMOTHY BRIAN, US
[71] CAPTEK SOFTGEL INTERNATIONAL, INC., US
[85] 2020-09-02
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[54] **ELECTROLYTIC CELL WITH BIPOLAR ELECTRODES FOR WASTEWATER TREATMENT**
[54] **CELLULE ELECTROLYTIQUE AYANT DES ELECTRODES BIPOLAIRES POUR LE TRAITEMENT DES EAUX USEES**
[72] WOOD, BRENDAN, CA
[71] AXINE WATER TECHNOLOGIES INC., CA
[85] 2020-09-01
[86] 2019-03-20 (PCT/US2019/023229)
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[54] **METHOD AND SYSTEM FOR BONE REGENERATION**
[54] **PROCEDE ET SYSTEME DE REGENERATION OSSEUSE**
[72] PETERSON, BRIAN, US
[72] RIEHM-CONSTANTINO, MERRY, US
[72] FOURNIER, JOHN, US
[72] HANGEN, AMY, US
[71] GARWOOD MEDICAL DEVICES, LLC, US
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[54] **SLUICEWAY FOR BARGE**
[54] **PURGEUR POUR CHALAND**
[72] BELESIMO, FRANK, US
[72] CASHMAN, JAY, US
[71] CASHMAN DREDGING AND MARINE CONTRACTING, CO., LLC, US
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[54] **FIREARM AMMUNITION AVAILABILITY DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION DE DISPONIBILITE DE MUNITIONS D'ARME A FEU**
[72] MASARIK, DAVID MICHAEL, US
[72] MASARIK, MICHAEL RAYMOND, US
[72] MASARIK, MATTHEW JAMES, US
[71] MAZTECH INDUSTRIES, LLC, US
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[54] **SOLID-STATE ENERGY HARVESTER OF TRANSITION METAL SUBOXIDES**
[54] **COLLECTEUR D'ENERGIE A ELECTROLYTE SOLIDE DE SOUS-OXYDES DE METAUX DE TRANSITION**
[72] HOROVITZ, MICHAEL LEE, US
[72] DOPP, ROBERT B., US
[72] WILLIAMS, GREYSON, US
[71] OMEGA ENERGY SYSTEMS, LLC, US
[85] 2020-09-02
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[54] **TREATMENT OF CONTAMINATED OIL PRODUCED BY OIL AND GAS WELLS**
[54] **TRAITEMENT DE PETROLE CONTAMINE PRODUIT PAR DES PUITS DE PETROLE ET DE GAZ**
[72] MILLER, FRANCIS, US
[72] PHILLIPS, TOMOTHY, US
[72] ADDLEMAN, STEVE, US
[71] LAKE COUNTRY FRACWATER SPECIALISTS, LLC, US
[71] ADDLEMAN ENTERPRISES, INC., US
[85] 2020-09-02
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[54] **BEVERAGE DISPENSING SYSTEMS AND METHODS THEREOF**
[54] **SYSTEMES DE DISTRIBUTION DE BOISSON ET PROCEDES ASSOCIES**
[72] SPRINGER, JOSHUA, US
[71] GRINON INDUSTRIES, US
[85] 2020-09-02
[86] 2019-03-11 (PCT/US2019/021666)
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[54] **TICK VACCINE**
[54] **VACCIN CONTRE LES TIQUES**
[72] HUST, MICHAEL, DE
[72] DUBEL, STEFAN, DE
[71] TECHNISCHE UNIVERSITAT BRAUNSCHWEIG, DE
[85] 2020-09-02
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[54] **DIMERIC ANTIGEN RECEPTORS (DAR)**
[54] **RECEPTEURS ANTIGENIQUES DIMERES (DAR)**
[72] JI, HENRY HONGJUN, US
[72] GUO, WENZHONG, US
[72] ZHANG, YANLIANG, US
[72] KAUFMANN, GUNNAR F., US
[72] DING, BEI BEI, US
[71] SORRENTO THERAPEUTICS, INC., US
[85] 2020-09-02
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[30] US (62/640,775) 2018-03-09

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[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING THIN IMAGE SLICES FROM THICK IMAGE SLICES**
[54] **SYSTEMES ET PROCEDES POUR GENERER DES TRANCHES D'IMAGE MINCES A PARTIR DE TRANCHES D'IMAGE EPAISSES**
[72] FANG, ZHONGNAN, US
[72] CHAUDHARI, AKSHAY S., US
[72] LEE, JIN HYUNG, US
[72] HARGREAVES, BRIAN A., US
[71] LVIS CORPORATION, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[85] 2020-09-02
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[54] **WATER TREATMENT SYSTEM**
[54] **SYSTEME DE TRAITEMENT DE L'EAU**
[72] TALLY, WILLIAM N., US
[72] O'BRIAN, MITCH, US
[72] REESBECK, THOMAS, US
[72] KOVALCIK, MICHAEL, US
[72] KOWALSKI, DEREK, US
[72] DRULIA, JEFF, US
[72] RUFFOLO, ALEX, US
[72] JUNI, JACK, US
[71] RENEW HEALTH LIMITED, IE
[85] 2020-09-02
[86] 2019-03-13 (PCT/US2019/022061)
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[30] US (62/642,592) 2018-03-13
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[25] EN
[54] **SEED IMAGING**
[54] **IMAGERIE DE GRAINES**
[72] BORROWMAN, ERIC L., US
[72] CHAUDHARY, GOVIND, US
[72] CHEN, HSIN-CHEN, US
[72] KOHNE, JEFFREY L., US
[72] KOTYK, JOHNNY J., US
[72] POMPE VAN MEERDERVOORT, LOUIS M., US
[72] RADER, RANDALL K., US
[72] WHITE, BRAD D., US
[72] ZHANG, CHI, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2020-09-02
[86] 2019-03-13 (PCT/US2019/022065)
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[30] US (62/642,684) 2018-03-14

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[25] EN
[54] **SNOW SKI EQUIPMENT SECUREMENT DEVICE**
[54] **DISPOSITIF DE FIXATION D'EQUIPEMENT DE SKI A NEIGE**
[72] WELSH, CHRISTOPHER JOHN, US
[71] WELSH, CHRISTOPHER JOHN, US
[85] 2020-09-02
[86] 2019-03-13 (PCT/US2019/022091)
[87] (WO2019/178258)
[30] US (62/642,246) 2018-03-13

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[51] **Int.Cl. C12Q 1/6827 (2018.01) C12Q 1/6886 (2018.01) G16B 20/00 (2019.01)**
[25] EN
[54] **ANOMALOUS FRAGMENT DETECTION AND CLASSIFICATION**
[54] **DETECTION ET CLASSIFICATION DE FRAGMENTS PRESENTANT DES ANOMALIES**
[72] GROSS, SAMUEL S., US
[72] DAVYDOV, KONSTANTIN, US
[71] GRAIL, INC., US
[85] 2020-09-02
[86] 2019-03-13 (PCT/US2019/022122)
[87] (WO2019/178277)
[30] US (62/642,480) 2018-03-13

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[51] **Int.Cl. H04N 19/593 (2014.01) H04N 19/11 (2014.01)**
[25] EN
[54] **POSITION DEPENDENT INTRA PREDICTION COMBINATION EXTENDED WITH ANGULAR MODES**
[54] **COMBINAISON DE PREDICTION INTRA DEPENDANT DE LA POSITION, ETENDUE AVEC DES MODES ANGULAIRES**
[72] VAN DER AUWERA, GEERT, US
[72] SEREGIN, VADIM, US
[72] SAID, AMIR, US
[72] KARCZEWICZ, MARTA, US
[71] QUALCOMM INCORPORATED, US
[85] 2020-09-02
[86] 2019-04-02 (PCT/US2019/025376)
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[30] US (62/651,424) 2018-04-02
[30] US (16/371,638) 2019-04-01

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[51] **Int.Cl. C12N 15/82 (2006.01) C12Q 1/68 (2018.01) A01H 5/00 (2018.01)**
[25] EN
[54] **METHODS OF IDENTIFYING, SELECTING, AND PRODUCING DISEASE RESISTANT CROPS**
[54] **PROCEDES D'IDENTIFICATION, DE SELECTION ET DE PRODUCTION DE CULTURES RESISTANTES AUX MALADIES**
[72] JAQUETH, JENNIFER S, US
[72] LI, BAILIN, US
[72] TABOR, GIRMA M, US
[72] THATCHER, SHAWN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2020-09-02
[86] 2019-03-15 (PCT/US2019/022432)
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[30] US (62/646,972) 2018-03-23

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[51] **Int.Cl. C02F 1/46 (2006.01) C02F 1/36 (2006.01) C02F 1/463 (2006.01) C02F 9/08 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR TREATING ACIDITY, HEAVY METALS, AND SOLIDS**
[54] **SYSTEMES ET PROCEDES DE TRAITEMENT D'ACIDITE, DE METAUX LOURDS ET DE SOLIDES CONTENUS DANS L'EXHAURE ACIDE ET AUTRES FLUIDES AQUEUX**
[72] YOST, KARL WILLIAM, US
[72] ALEXANDER, RICHARD W., US
[71] YOST, KARL WILLIAM, US
[71] ALEXANDER, RICHARD W., US
[85] 2020-09-02
[86] 2019-03-15 (PCT/US2019/022622)
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[51] **Int.Cl. G06Q 50/00 (2012.01)**
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[54] **AUTOMATIC PACKAGER FOR PHARMACEUTICALS AND METHOD OF OPERATING THE SAME**
[54] **SYSTEME D'EMBALLAGE AUTOMATIQUE POUR PRODUITS PHARMACEUTIQUES ET SON PROCEDE DE FONCTIONNEMENT**
[72] HOLMES, WILLIAM K., US
[71] RXSAFE LLC, US
[85] 2020-09-02
[86] 2019-04-04 (PCT/US2019/025905)
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[30] US (62/652,692) 2018-04-04
[30] US (62/745,126) 2018-10-12

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[51] **Int.Cl. H05B 6/06 (2006.01)**
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[54] **INDUCTION HEATING ACCESSORIES**
[54] **ACCESSOIRES DE CHAUFFAGE PAR INDUCTION**
[72] SALSICH, ANTHONY V., US
[72] PROCHNOW, GREGG, US
[72] MCWITHEY, KEVIN, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-09-02
[86] 2019-03-22 (PCT/US2019/023520)
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[51] **Int.Cl. G08B 21/14 (2006.01) G08B 19/00 (2006.01) G08B 21/12 (2006.01)**
[25] EN
[54] **HAZARDOUS CONDITION DETECTOR WITH WIRELESS COMMUNICATION INTERFACE**
[54] **DETECTEUR DE CONDITIONS DANGEREUSES AVEC INTERFACE DE COMMUNICATION SANS FIL**
[72] LACY, TERRY, US
[71] LACY, TERRY, US
[85] 2020-09-02
[86] 2019-04-05 (PCT/US2019/026116)
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[30] US (62/654,122) 2018-04-06
[30] US (16/376,607) 2019-04-05

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[51] **Int.Cl. B23K 13/02 (2006.01) H05B 6/06 (2006.01) H05B 6/10 (2006.01)**
[25] EN
[54] **INDUCTION HEATING EXTENSION CABLES INCLUDING CONTROL CONDUCTORS**
[54] **FILS D'EXTENSION DE CHAUFFAGE PAR INDUCTION COMPRENANT DES CONDUCTEURS DE COMMANDE**
[72] SALSICH, ANTHONY V., US
[72] VERHAGEN, PAUL, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-09-02
[86] 2019-03-22 (PCT/US2019/023587)
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[30] US (15/928,272) 2018-03-22

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[13] A1
[51] **Int.Cl. H05B 6/10 (2006.01) H05B 6/06 (2006.01)**
[25] EN
[54] **INDUCTION HEATING SYSTEMS HAVING CLOSE PROXIMITY COMMUNICATION DEVICES**
[54] **SYSTEMES DE CHAUFFAGE PAR INDUCTION DOTES DE DISPOSITIFS DE COMMUNICATION A PROXIMITE IMMEDIATE**
[72] LIEBERT, SCOTT, US
[72] SALSICH, ANTHONY, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-09-02
[86] 2019-03-22 (PCT/US2019/023620)
[87] (WO2019/183495)
[30] US (62/646,615) 2018-03-22
[30] US (16/297,345) 2019-03-08

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[51] **Int.Cl. C12N 15/82 (2006.01)**
[25] EN
[54] **MAIZE EVENT DP-023211-2 AND METHODS FOR DETECTION THEREOF**
[54] **EVENEMENT DE MAIS DP-032218-9 ET PROCEDES DE DETECTION DE CELUI-CI**
[72] CHRISTENSEN, HEATHER MARIE, US
[72] CONG, BIN, US
[72] CRANE, VIRGINIA, US
[72] HU, XU, US
[72] LU, ALBERT L., US
[72] MABRY, TIMOTHY, US
[72] RINEHART KREBS, KRISTEN DENISE, US
[72] SANDAHL, GARY A., US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2020-09-02
[86] 2019-04-22 (PCT/US2019/028485)
[87] (WO2019/209700)
[30] US (62/663,832) 2018-04-27
[30] US (62/678,579) 2018-05-31
[30] US (62/776,018) 2018-12-06

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[25] EN
[54] **MONOCLONAL ANTIBODIES THAT BIND TO SSEA4 AND USES THEREOF**
[54] **ANTICORPS MONOCLONAUX QUI SE LIENT A SSEA4 ET LEURS UTILISATIONS**
[72] CHEN, LAN BO, US
[71] CHO PHARMA USA, INC., US
[85] 2020-09-02
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[87] (WO2019/190952)
[30] US (15/940,334) 2018-03-29

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[25] EN
[54] **STEREOSCOPIC VISUALIZATION CAMERA AND INTEGRATED ROBOTICS PLATFORM**
[54] **CAMERA DE VISUALISATION STEREOSCOPIQUE ET PLATE-FORME ROBOTIQUE INTEGREE**
[72] RAMIREZ LUNA, MAXIMILIANO, US
[72] WEISSMAN, MICHAEL, US
[72] RIEDERER, THOMAS PAUL, US
[72] POLCHIN, GEORGE CHARLES, US
[72] TRIPATHI, ASHOK BURTON, US
[72] TERRY, PATRICK, US
[71] ALCON INC., CH
[85] 2020-09-02
[86] 2019-04-29 (PCT/US2019/029729)
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[30] US (62/663,689) 2018-04-27

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[51] **Int.Cl. A61L 2/10 (2006.01) A61L 2/22 (2006.01)**
[25] EN
[54] **DEVICE FOR DISINFECTING PIPELINES, CONTAINERS AND STRUCTURES**
[54] **DISPOSITIF DE DESINFECTION DE TUYAUTERIES, CONTENANTS ET OUVRAGES**
[72] MOCK, MANFRED, AT
[71] MOCK, MANFRED, AT
[85] 2020-09-03
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[30] AT (A50240/2018) 2018-03-22
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[13] A1
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[25] EN
[54] **TISSUE RETRACTION DEVICE AND DELIVERY SYSTEM**
[54] **DISPOSITIF DE RETRACTION DE TISSU ET SYSTEME DE MISE EN PLACE**
[72] UNGER, JOHN, US
[72] OTO, CHRISTOPHER K., US
[72] LEE, DANNY SHU-HUAN, US
[72] WALES, RYAN, US
[72] BURNHAM, ALEXANDER JOSEPH, US
[72] ANDREOTTI, TRACY, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2020-09-02
[86] 2019-04-30 (PCT/US2019/029986)
[87] (WO2019/213126)
[30] US (62/665,441) 2018-05-01

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[51] **Int.Cl. A47B 57/08 (2006.01) A47B 57/20 (2006.01) A47B 57/32 (2006.01) A47B 57/48 (2006.01) A47B 96/02 (2006.01) F16B 5/00 (2006.01)**
[25] EN
[54] **FURNITURE SYSTEM**
[54] **SYSTEME MOBILIER**
[72] ACQUROFF, THOMAS FLETCHER, AU
[72] BRINK, DARREN, AU
[71] CLICKSTAIR PTY LTD, AU
[85] 2020-09-03
[86] 2019-03-06 (PCT/AU2019/050191)
[87] (WO2019/169439)
[30] AU (2018900723) 2018-03-06

[21] **3,093,014**
[13] A1
[51] **Int.Cl. A61B 17/02 (2006.01) A61B 17/08 (2006.01) A61B 17/28 (2006.01) A61B 17/00 (2006.01)**
[25] EN
[54] **TISSUE ENGAGEMENT DEVICE**
[54] **DISPOSITIF DE MISE EN PRISE DE TISSUS**
[72] DEUEL, CHRISTOPHER R., US
[72] LEE, DANNY SHU-HUAN, US
[72] SMITH, PAUL, US
[72] SIM, ROUTHA, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2020-09-02
[86] 2019-04-30 (PCT/US2019/030081)
[87] (WO2019/226287)
[30] US (62/674,774) 2018-05-22

[21] **3,093,015**
[13] A1
[51] **Int.Cl. G02F 1/31 (2006.01) G02F 1/13 (2006.01)**
[25] EN
[54] **LIQUID CRYSTAL ELEMENT, PHASE MODULATION DEVICE, AND CONTROL METHOD OF LIQUID CRYSTAL ELEMENT**
[54] **ELEMENT A CRISTAUX LIQUIDES, DISPOSITIF DE MODULATION DE PHASE, ET PROCEDE DE COMMANDE D'ELEMENT A CRISTAUX LIQUIDES**
[72] NAGOYA, TAKASHI, JP
[71] JVCKENWOOD CORPORATION, JP
[85] 2020-09-01
[86] 2018-11-14 (PCT/JP2018/042088)
[87] (WO2019/176168)
[30] JP (2018-043899) 2018-03-12

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[13] A1
[51] **Int.Cl. A61N 2/02 (2006.01)**
[25] EN
[54] **SENSORY STIMULATION APPARATUS**
[54] **APPAREIL DE STIMULATION SENSORIELLE**
[72] AGNIHOTRI, VIRAJ, AU
[72] CHANDRASHEKHARAIAH, MAHANTHESHAIAH GANGENAPURA, AU
[72] TOAHA MOBASHSHER, AHMED TOAHA, AU
[72] ABBOSH, AMIN, AU
[72] JABBOUR, NICHOLAS, AU
[71] AUGMENTED BIONICS PTY LTD, AU
[85] 2020-09-03
[86] 2019-03-12 (PCT/AU2019/050219)
[87] (WO2019/173866)
[30] AU (2018900824) 2018-03-13

[21] **3,093,018**
[13] A1
[51] **Int.Cl. C23F 13/06 (2006.01) C09D 5/08 (2006.01) E02D 31/06 (2006.01) F16L 58/16 (2006.01)**
[25] EN
[54] **EMBEDDED FOUNDATION PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION DE FONDATION ENCASTREE**
[72] ABBOTT, WILLIAM, US
[72] ABBOTT, BENJAMIN, US
[71] COPPER CARE WOOD PRESERVATIVES, INC., US
[85] 2020-09-03
[86] 2019-03-21 (PCT/AU2019/050248)
[87] (WO2019/183667)
[30] AU (2018901022) 2018-03-28

[21] **3,093,019**
[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01) C12Q 1/6897 (2018.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/85 (2006.01) C12Q 1/02 (2006.01) G01N 33/52 (2006.01)**
[25] EN
[54] **LOW AFFINITY RED FLUORESCENT INDICATORS FOR IMAGING CA2+ IN EXCITABLE AND NON-EXCITABLE CELLS**
[54] **INDICATEURS FLUORESCENTS ROUGES A FAIBLE AFFINITE POUR L'IMAGERIE DE CA2+ DANS DES CELLULES EXCITABLES ET NON EXCITABLES**
[72] CHANG, YU-FEN, CA
[72] WU, JIAHUI, CA
[72] DANIELS, MATTHEW J., CA
[72] CAMPBELL, ROBERT E., CA
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA
[71] THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD, GB
[85] 2020-09-01
[86] 2019-03-01 (PCT/CA2019/050254)
[87] (WO2019/165563)
[30] US (62/637,808) 2018-03-02

[21] **3,093,021**
[13] A1
[25] EN
[54] **AUTOMATED SECURITY TESTING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ESSAI DE SECURITE AUTOMATISE**
[72] PICARD, MICHAEL, CA
[71] EZOTECH INC., CA
[85] 2020-09-03
[86] 2019-03-05 (PCT/CA2019/050264)
[87] (WO2019/169486)
[30] US (62/638,547) 2018-03-05
[30] US (62/763,121) 2018-06-29

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[13] A1
[51] **Int.Cl. C22C 19/05 (2006.01)**
[25] EN
[54] **CORROSION RESISTANT ALLOY**
[54] **ALLIAGE RESISTANT A LA CORROSION**
[72] ASEEV, MIKHAIL ANATOL'EVICH, RU
[72] BELIKOV, SERGEI VLADIMIROVICH, RU
[72] DEDOV, KIRILL VLADIMIROVICH, RU
[72] KRITSKIY, ALEKSANDR ALEKSANDROVICH, RU
[72] MITYUKOV, RASHID AMIROVICH, RU
[72] PANTYUKHIN, ALEKSANDR PAVLOVICH, RU
[72] POLOVOV, IL'YA BORISOVICH, RU
[72] SKIBA, KONSTANTIN VLADIMIROVICH, RU
[72] KHARIN, PETR ALEKSEEVICH, RU
[72] CHINEIKIN, SERGEY VLADIMIROVICH, RU
[72] SHEVAKIN, ALEKSANDR FEDOROVICH, RU
[72] SHIPULIN, SERGEY ALEKSANDROVICH, RU
[71] STOCK COMPANY "CHEPETSKY MECHANICAL PLANT", RU
[71] JOINT STOCK COMPANY "SCIENCE AND INNOVATIONS", RU
[85] 2019-12-27
[86] 2017-12-29 (PCT/RU2017/001014)
[87] (WO2019/027347)
[30] RU (2017127607) 2017-08-01

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[13] A1
[51] **Int.Cl. H04H 60/02 (2009.01) H04H 20/20 (2009.01) H04H 60/29 (2009.01) H04N 21/258 (2011.01) H04N 21/8545 (2011.01) H04N 21/858 (2011.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANAGEMENT AND DELIVERY OF SECONDARY SYNDICATED COMPANION CONENT OF DISCOVERED PRIMARY DIGITAL MEDIA PRESENTATIONS**
[54] **SYSTEME ET PROCEDE DE GESTION ET DE DISTRIBUTION D'UN CONTENU COMPAGNON SECONDAIRE DE PRESENTATIONS MULTIMEDIAS PRIMAIRES DECOUVERTES**
[72] HAIFA, JOHN, CA
[71] TUNEVU INC., CA
[85] 2020-09-03
[86] 2019-04-09 (PCT/CA2019/050430)
[87] (WO2019/195931)
[30] US (62/654,597) 2018-04-09

[21] **3,093,024**
[13] A1
[25] EN
[54] **CARBONATE-LINKED SURFACE MODIFYING MACROMOLECULES**
[54] **MACROMOLECULES MODIFICATRICES DE SURFACE A LIAISON CARBONATE**
[72] SANTERRE, J. PAUL, CA
[72] MULLICK, SANJOY, CA
[71] EVONIK CANADA INC., CA
[85] 2020-09-03
[86] 2019-03-07 (PCT/CA2019/050281)
[87] (WO2019/169500)
[30] US (62/640,839) 2018-03-09

[21] **3,093,025**
[13] A1
[51] **Int.Cl. A61K 31/426 (2006.01) A61P 3/08 (2006.01)**
[25] EN
[54] **THERAPEUTIC USES OF GLUCOKINASE ACTIVATORS IN COMBINATION WITH INSULIN OR INSULIN ANALOGS**
[54] **UTILISATIONS THERAPEUTIQUES D'ACTIVATEURS DE GLUCOKINASE EN COMBINAISON AVEC DE L'INSULINE OU DES ANALOGUES D'INSULINE**
[72] FREEMAN, JENNIFER L.R., US
[72] VALCARCE LOPEZ, MARIA CARMEN, US
[71] VTV THERAPEUTICS LLC, US
[85] 2020-09-02
[86] 2019-06-10 (PCT/US2019/036227)
[87] (WO2019/241089)
[30] US (62/683,772) 2018-06-12
[30] US (62/857,753) 2019-06-05

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[13] A1
[51] **Int.Cl. A61L 33/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS TO PROCESSES FOR IMMOBILISING BIOLOGICAL ENTITIES**
[54] **PERFECTIONNEMENTS APPORTES A DES PROCEDES D'IMMOBILISATION D'ENTITES BIOLOGIQUES**
[72] ANTONI, PER, SE
[72] ERIKSSON, MALIN, SE
[72] GALLHAGEN, ANNA, SE
[72] KOCH, EVA, SE
[72] NYSTROM, DANIEL, SE
[72] PORSCH-GRAHM, CHRISTIAN, SE
[72] GORANSSON, HELENA, SE
[71] CARMEDA AB, SE
[85] 2020-09-03
[86] 2019-03-08 (PCT/EP2019/055845)
[87] (WO2019/170858)
[30] EP (18161058.5) 2018-03-09
[30] EP (18198422.0) 2018-10-03

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[13] A1
[51] **Int.Cl. H04W 72/04 (2009.01) H04W 76/00 (2018.01)**
[25] EN
[54] **BEARING CONFIGURATION METHOD AND DEVICE, AND NETWORK DEVICE**
[54] **PROCEDE ET DISPOSITIF DE CONFIGURATION DE PALIER ET DISPOSITIF DE RESEAU**
[72] WANG, SHUKUN, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2020-09-03
[86] 2019-02-13 (PCT/CN2019/074987)
[87] (WO2020/164019)

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[13] A1
[51] **Int.Cl. C01B 15/023 (2006.01)**
[25] EN
[54] **PROCESS FOR MANUFACTURING AN AQUEOUS HYDROGEN PEROXIDE SOLUTION**
[54] **PROCEDE DE FABRICATION D'UNE SOLUTION AQUEUSE PDE PEROXYDE D'HYDROGENE**
[72] CARLIER, JUAN-TEVA, BE
[72] DOURNEL, PIERRE, BE
[72] LORENT, KAROL, BE
[71] SOLVAY SA, BE
[85] 2020-09-03
[86] 2019-03-19 (PCT/EP2019/056761)
[87] (WO2019/179973)
[30] EP (18162441.2) 2018-03-19

[21] **3,093,030**
[13] A1
[51] **Int.Cl. A01K 47/06 (2006.01)**
[25] EN
[54] **STRIP CONTAINING ACARICIDE**
[54] **REGLETTE CONTENANT DE L'ACARICIDE**
[72] CHICON CARNERO, JOSE PAULINO, ES
[71] CHICON CARNERO, JOSE PAULINO, ES
[85] 2020-09-03
[86] 2019-03-05 (PCT/ES2019/000021)
[87] (WO2019/185953)
[30] ES (U201800231) 2018-03-27

[21] **3,093,031**
[13] A1
[51] **Int.Cl. A61K 36/537 (2006.01) A61K 31/7048 (2006.01) A61K 36/258 (2006.01) A61K 36/481 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **TRADITIONAL CHINESE MEDICINAL COMPOSITION FOR PREVENTING AND/OR TREATING ISCHEMIC REPERFUSION INJURY**
[54] **COMPOSITION DE MEDECINE CHINOISE TRADITIONNELLE POUR PREVENIR ET/OU TRAITER UNE LESION ISCHEMIQUE DE REPERFUSION**
[72] HAN, JINGYAN, CN
[72] CHEN, QINGFANG, CN
[72] HUANG, DANDAN, CN
[72] MA, XIAOHUI, CN
[72] HE, YI, CN
[72] ZHOU, SHUIPING, CN
[71] TASLY PHARMACEUTICAL GROUP CO., LTD., CN
[85] 2020-09-03
[86] 2019-03-25 (PCT/CN2019/079420)
[87] (WO2019/192339)
[30] CN (201810299213.7) 2018-04-04

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[13] A1
[51] **Int.Cl. D21C 1/04 (2006.01) C08B 1/00 (2006.01) D21C 3/02 (2006.01) D21C 9/00 (2006.01) D21C 9/10 (2006.01) D21C 11/00 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING DISSOLVING PULP**
[54] **PROCEDE DE PRODUCTION DE PATE POUR DISSOLUTION**
[72] KETTUNEN, AUVO, FI
[72] LAAKSO, SAMPSA, FI
[72] HAATAINEN, TIINA, FI
[72] PAANANEN, MARKUS, FI
[71] ANDRITZ OY, FI
[85] 2020-09-03
[86] 2019-03-06 (PCT/FI2019/050176)
[87] (WO2019/170962)
[30] FI (20185213) 2018-03-07

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[13] A1
[51] **Int.Cl. A61B 18/18 (2006.01) A61B 18/00 (2006.01)**
[25] EN
[54] **ELECTROSURGICAL INSTRUMENT**
[54] **INSTRUMENT ELECTRO-CHIRURGICAL**
[72] HANCOCK, CHRISTOPHER PAUL, GB
[72] BURN, PATRICK, GB
[72] SHAH, PALLAV, GB
[71] CREO MEDICAL LIMITED, GB
[85] 2020-09-03
[86] 2019-06-27 (PCT/EP2019/067166)
[87] (WO2020/011546)
[30] GB (1811434.8) 2018-07-12

[21] **3,093,034**
[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01) C07K 16/46 (2006.01) C12N 5/10 (2006.01) C12N 15/13 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **SINGLE-DOMAIN ANTIBODIES AGAINST LAG-3 AND USES THEREOF**
[54] **ANTICORPS A DOMAINE UNIQUE CONTRE LAG-3 ET LEURS UTILISATIONS**
[72] ZHANG, WANG, CN
[72] YANG, SHUAI, CN
[72] WU, SHU, CN
[72] CHOU, CHUAN-CHU, US
[71] NANJING LEGEND BIOTECH CO., LTD., CN
[85] 2020-09-03
[86] 2019-03-29 (PCT/CN2019/080528)
[87] (WO2019/185040)
[30] CN (PCT/CN2018/081356) 2018-03-30

[21] **3,093,035**
[13] A1
[51] **Int.Cl. E01F 15/08 (2006.01)**
[25] EN
[54] **A BARRIER SYSTEM, BARRIER CONNECTION APPARATUS, BARRIER ELEMENT AND METHOD OF USE THEREOF**
[54] **SYSTEME DE BARRIERE, APPAREIL DE RACCORDEMENT DE BARRIERE, ELEMENT DE BARRIERE ET PROCEDE D'UTILISATION ASSOCIE**
[72] BULLOCK, ADRIAN, GB
[71] HIGHWAY CARE LIMITED, GB
[85] 2020-09-03
[86] 2019-03-04 (PCT/GB2019/050592)
[87] (WO2019/171032)
[30] GB (1803726.7) 2018-03-08
[30] GB (1815091.2) 2018-09-17

[21] **3,093,036**
[13] A1
[51] **Int.Cl. A61K 9/00 (2006.01) A61K 9/08 (2006.01) A61K 39/395 (2006.01) A61K 47/18 (2017.01) A61K 47/26 (2006.01)**
[25] EN
[54] **ANTI-PD-1 ANTIBODY COMPOSITIONS**
[54] **COMPOSITIONS D'ANTICORPS ANTI-PD -1**
[72] AHMED, SYED SALEEM, US
[72] BALTHAZOR, BRYAN MARK, US
[72] MEHTA, ANJALI PRAMOD, US
[72] QURESHI, TIHAMI, US
[71] PFIZER INC., US
[85] 2020-09-02
[86] 2019-03-04 (PCT/IB2019/051733)
[87] (WO2019/171253)
[30] US (62/639,587) 2018-03-07
[30] US (62/807,912) 2019-02-20

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[13] A1
[51] **Int.Cl. C07D 307/32 (2006.01) A23L 33/10 (2016.01) A61K 31/365 (2006.01) A61P 31/00 (2006.01) A61P 37/00 (2006.01)**
[25] EN
[54] **DIACYLGLYCEROL LACTONE COMPOUND, PREPARATION METHOD THEREFOR, AND IMMUNOSTIMULATOR CONTAINING SAME AS ACTIVE INGREDIENT**
[54] **COMPOSE DE DIACYLGLYCEROL LACTONE, SON PROCEDE DE FABRICATION ET IMMUNOSTIMULATEUR LE CONTENANT EN TANT QUE PRINCIPE ACTIF**
[72] SOHN, KI YOUNG, KR
[72] KIM, JAE WHA, KR
[72] YOON, SUN YOUNG, KR
[72] YOO, CHANG HYUN, KR
[72] JEONG, JIN SEON, KR
[71] ENZYCHEM LIFESCIENCES CORPORATION, KR
[85] 2020-09-03
[86] 2019-03-08 (PCT/KR2019/002757)
[87] (WO2019/177314)
[30] KR (10-2018-0028871) 2018-03-12

[21] **3,093,038**
[13] A1
[51] **Int.Cl. E21B 33/076 (2006.01) E21B 43/013 (2006.01)**
[25] EN
[54] **APPARATUS FOR ACCESSING SUBSEA PRODUCTION FLOW SYSTEMS**
[54] **APPAREIL PERMETTANT D'ACCEDER A DES SYSTEMES DE FLUX DE PRODUCTION SOUS-MARINS**
[72] DONALD, IAN, GB
[72] REID, JOHN, GB
[72] MCDONALD, CRAIG, GB
[71] ENPRO SUBSEA LIMITED, GB
[85] 2020-09-03
[86] 2019-03-07 (PCT/GB2019/050648)
[87] (WO2019/171072)
[30] GB (1803680.6) 2018-03-07

[21] **3,093,039**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61M 1/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR FLOW**
[54] **PROCEDE ET DISPOSITIF POUR ECOULEMENT**
[72] MILLER, MICHAEL, US
[72] SHVETSOV, KYRYLO, US
[72] PEPE, GREGORY, US
[72] BONANO, SAMANTHA, US
[71] BUFFALO FILTER LLC, US
[85] 2020-09-02
[86] 2019-11-21 (PCT/US2019/062645)
[87] (WO2020/106977)
[30] US (62/770,341) 2018-11-21

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[13] A1
[51] **Int.Cl. A61K 38/43 (2006.01) A61P 13/12 (2006.01) A61P 29/00 (2006.01)**
[25] EN
[54] **RECOMBINANT ALKALINE PHOSPHATASE FOR USE IN TREATING SEPSIS-ASSOCIATED ACUTE KIDNEY INJURY**
[54] **PHOSPHATASE ALCALINE RECOMBINEE DESTINEE A ETRE UTILISEE DANS LE TRAITEMENT D'UNE LESION RENALE AIGUE ASSOCIEE A UN SEPSIS**
[72] PICKKERS, ROELOF PETER, NL
[72] MEHTA, RAVINDRA LALL, NL
[72] MURRAY, PATRICK THOMAS, NL
[72] JOANNIDIS, MICHAEL, NL
[72] VAN DEN BERG, ERIK JAN, NL
[72] AREND, JACQUES SALOMON ROBERT, NL
[71] AM-PHARMA B.V., NL
[85] 2020-09-03
[86] 2019-03-08 (PCT/NL2019/050153)
[87] (WO2019/172766)
[30] US (62/640,494) 2018-03-08

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[13] A1
[51] **Int.Cl. E21B 43/017 (2006.01)**
[25] EN
[54] **SUBSEA JUMPER TERMINATION WITH ACCESS INTERFACE FOR SECOND JUMPER**
[54] **EXTREMITE DE RACCORDEMENT SOUS-MARINE COMPRENANT UNE INTERFACE D'ACCES POUR UN SECOND RACCORD**
[72] DONALD, IAN, GB
[72] REID, JOHN, GB
[72] MCDONALD, CRAIG, GB
[71] ENPRO SUBSEA LIMITED, GB
[85] 2020-09-03
[86] 2019-03-13 (PCT/GB2019/050711)
[87] (WO2019/175585)
[30] GB (1804007.1) 2018-03-13

[21] **3,093,042**
[13] A1
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **SYNCHRONISATION DEVICE HAVING A BASE STATION FOR SYNCHRONIZING HEAD-MOUNTED DISPLAYS WITH A VIRTUAL WORLD IN AN AMUSEMENT RIDE, AMUSEMENT RIDE HAVING A SYNCHRONIZATION DEVICE OF THIS TYPE, AND METHOD FOR OPERATING AN AMUSEMENT RIDE OF THIS TYPE**
[54] **DISPOSITIF DE SYNCHRONISATION POURVU D'UNE STATION DE BASE POUR SYNCHRONISER DES VISIOCASQUES AVEC UN MONDE VIRTUEL DANS UN MANEGE D'ATTRACTION, MANEGE D'ATTRACTION DOTE D'UN TEL DISPOSITIF DE SYNCHRONISATION ET PROCEDE POUR FAIRE FONCTIONNER UN TEL MANEGE D'ATTRACTION**
[72] HEYSE, MICHAEL, DE
[71] VR COASTER GMBY & CO. KG, DE
[85] 2020-09-03
[86] 2018-12-10 (PCT/EP2018/084226)
[87] (WO2019/174769)
[30] EP (18162342.2) 2018-03-16

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[13] A1
[51] **Int.Cl. E21B 33/038 (2006.01) E21B 41/00 (2006.01) E21B 43/013 (2006.01)**
[25] EN
[54] **APPARATUS, SYSTEMS AND METHODS FOR OIL AND GAS OPERATIONS**
[54] **APPAREIL, SYSTEMES ET PROCEDES POUR DES OPERATIONS DE PETROLE ET DE GAZ**
[72] DONALD, IAN, GB
[72] REID, JOHN, GB
[72] MCDONALD, CRAIG, GB
[71] ENPRO SUBSEA LIMITED, GB
[85] 2020-09-03
[86] 2019-04-18 (PCT/GB2019/051116)
[87] (WO2019/202336)
[30] GB (1806515.1) 2018-04-21
[30] GB (1808098.6) 2018-05-18
[30] GB (1901258.2) 2019-01-30

[21] **3,093,044**
[13] A1
[51] **Int.Cl. A63G 7/00 (2006.01) A63G 31/16 (2006.01)**
[25] EN
[54] **SYNCHRONIZATION DEVICE FOR SYNCHRONIZING HEAD-MOUNTED DISPLAYS WITH A VIRTUAL WORLD IN AN AMUSEMENT RIDE, AMUSEMENT RIDE HAVING A SYNCHRONIZATION DEVICE OF THIS TYPE, AND METHOD FOR OPERATING AN AMUSEMENT RIDE OF THIS TYPE**
[54] **DISPOSITIF DE SYNCHRONISATION POUR SYNCHRONISER DES VISIOCASQUES AVEC UN MONDE VIRTUEL DANS UN MANEGE D'ATTRACTION, MANEGE D'ATTRACTION DOTE D'UN TEL DISPOSITIF DE SYNCHRONISATIONET PROCEDE POUR FAIRE FONCTIONNER UN TEL MANEGE D'ATTRACTION**
[72] HEYSE, MICHAEL, DE
[71] VR COASTER GMBY & CO. KG, DE
[85] 2020-09-03
[86] 2018-12-10 (PCT/EP2018/084228)
[87] (WO2019/174770)
[30] EP (18162346.3) 2018-03-16

[21] **3,093,045**
[13] A1
[25] EN
[54] **METHOD, SYSTEM AND GRAPHICAL USER INTERFACE FOR BUILDING DESIGN**
[54] **PROCEDE, SYSTEME ET INTERFACE UTILISATEUR GRAPHIQUE POUR CONCEPTION DE BATIMENT**
[72] WILLIAMS, TIMOTHY RONAN, NZ
[72] DONOVAN, KYLE FRANCIS, NZ
[72] DONOVAN, BRETT NORMAN, NZ
[71] UTECTURE GLOBAL LIMITED, NZ
[85] 2020-09-03
[86] 2019-03-06 (PCT/NZ2019/050023)
[87] (WO2019/172782)
[30] AU (2018900729) 2018-03-06
[30] AU (2019900355) 2019-02-05

[21] **3,093,046**
[13] A1
[51] **Int.Cl. B32B 7/022 (2019.01) B32B 5/18 (2006.01) B32B 27/40 (2006.01) C08J 9/34 (2006.01) C08J 9/35 (2006.01)**
[25] EN
[54] **COMPOSITE FOAM ARTICLE**
[54] **ARTICLE EN MOUSSE COMPOSITE**
[72] KUDO, MOTONORI, US
[71] PROPRIETECT L.P., CA
[85] 2020-09-03
[86] 2019-03-07 (PCT/IB2019/051863)
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[54] **IMPROVED PROCESS FOR PREPARATION OF INTERMEDIATES**
[54] **PROCEDE AMELIORE DE PREPARATION D'INTERMEDIAIRES**
[72] SHELKE, SANTOSH GANPAT, IN
[72] VITHALDAS, TALATI PARESH, IN
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
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[54] **INTER PREDICTION APPARATUS AND METHOD FOR VIDEO CODING**
[54] **APPAREIL D'INTER-PREDICTION ET PROCEDE DE CODAGE VIDEO**
[72] SYCHEV, MAXIM BORISOVITCH, CN
[72] ZHULIKOV, GEORGY ALEKSANDROVICH, CN
[72] SOLOVYEV, TIMOFEY MIKHAILOVICH, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **AIRFOIL BLADE AND METHOD OF ASSEMBLY**
[54] **PALE A PROFIL AERODYNAMIQUE ET PROCEDE D'ASSEMBLAGE**
[72] BANNISH, JOHN, US
[72] MONAHAN, JIM, US
[71] MESTEK, INC., US
[85] 2020-09-02
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[54] **AMINOPYRIMIDINE DERIVATIVES AS CTPS1 INHIBITORS**
[54] **DERIVES D'AMINOPYRIMIDINE UTILISES COMME INHIBITEURS DE CTPS1**
[72] QUDDUS, ABDUL, GB
[72] NOVAK, ANDREW, GB
[72] COUSIN, DAVID, GB
[72] BLACKHAM, EMMA, GB
[72] JONES, GERAINT, GB
[72] WRIGGLESWORTH, JOSEPH, GB
[72] DUFFY, LORNA, GB
[72] BIRCH, LOUISE, GB
[72] GEORGE, PASCAL, FR
[72] AHMED, SALEH, GB
[71] STEP PHARMA S.A.S., FR
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[86] 2018-12-21 (PCT/EP2018/086617)
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[25] EN
[54] **NOVEL ARYL OR HETEROARYL TRIAZOLONE DERIVATIVES OR SALTS THEREOF, OR PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME**
[54] **NOUVEAUX DERIVES D'ARYL OU HETEROARYL TRIAZOLONE OU LEURS SELS ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT**
[72] HAN, TAE DONG, KR
[72] TAK, HEE JAE, KR
[72] KIM, EUN KYUNG, KR
[72] CHOI, SU BIN, KR
[72] KIM, DONG HOON, KR
[72] PARK, SOL, KR
[72] JUNG, EUN HYE, KR
[72] CHOI, HYUN HO, KR
[72] KIM, TAE WANG, KR
[72] JU, MI KYEONG, KR
[72] HA, NA RY, KR
[71] YUHAN CORPORATION, KR
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[30] KR (10-2018-0032554) 2018-03-21

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[25] EN
[54] **BAIT STATIONS FOR BITING FLIES IN BLOOD-SEEKING MODE AND METHODS THEREIN**
[54] **STATIONS D'APPAT POUR MOUCHES PIQUEUSES A LA RECHERCHE DE SANG ET PROCEDES ASSOCIES**
[72] MULLER, GUNTER, IL
[72] TSABARI, ONIE, IL
[71] WTO INVESTMENTS, LLC, US
[85] 2020-09-03
[86] 2018-03-07 (PCT/US2018/021247)
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[54] **METHODS FOR MONITORING TREATMENT RESPONSE AND DISEASE PROGRESSION IN SUBJECTS USING CIRCULATING CELLS**
[54] **PROCEDES DE SURVEILLANCE DE LA REPONSE AU TRAITEMENT ET DE LA PROGRESSION D'UNE MALADIE CHEZ DES SUJETS A L'AIDE DE CELLULES CIRCULANTES**
[72] ADAMS, DANIEL, US
[72] TANG, CHA-MEI, US
[71] CREATV MICROTECH, INC., US
[85] 2020-09-02
[86] 2019-03-13 (PCT/US2019/022050)
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[30] US (62/642,318) 2018-03-13
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[54] **DEVICES FOR INJECTING MEDICAMENTS AND METHODS OF USE**
[54] **DISPOSITIFS POUR INJECTER DES MEDICAMENTS ET PROCEDES D'UTILISATION**
[72] HOLROYD, MICHAEL JOHN, GB
[72] COCKER, ROBIN CRAIG, GB
[72] COLLINS, JAMES TERENCE, GB
[72] MUTTI, PAUL CRISTOPHER EDWARD, GB
[72] JACKSON, DANIEL COLIN, GB
[72] NEWTON, MICHAEL EDGAR, GB
[71] MYLAN UK HEALTHCARE LTD., GB
[71] COALESCE PRODUCT DEVELOPMENT LIMITED, GB
[85] 2020-09-03
[86] 2019-03-12 (PCT/IB2019/000243)
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[25] EN
[54] **MULTIPOINT ELECTROLYTE FLOW FIELD EMBODIMENT FOR VANADIUM REDOX FLOW BATTERY**
[54] **MISE EN □UVRE D'UN CHAMP DE CIRCULATION D'ELECTROLYTE MULTIPOINT POUR BATTERIE REDOX AU VANADIUM**
[72] D'ANZI, ANGELO, US
[72] BROVERO, CARLO ALBERTO, IT
[72] TAPPI, MAURIZIO, IT
[72] PIRACCINI, GIANLUCA, IT
[71] STOREN TECHNOLOGIES INC., US
[85] 2020-09-03
[86] 2018-03-27 (PCT/US2018/024414)
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[54] **NOVEL TRIAZOLONE DERIVATIVES OR SALTS THEREOF AND PHARMACEUTICAL COMPOSITIONS COMPRISING THE SAME**
[54] **NOUVEAUX DERIVES DE TRIAZOLONE OU LEURS SELS ET COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT**
[72] HAN, TAE DONG, KR
[72] TAK, HEE JAE, KR
[72] KIM, EUN KYUNG, KR
[72] CHOI, SU BIN, KR
[72] PARK, SOL, KR
[72] KIM, DONG HOON, KR
[72] KIM, SO YOUNG, KR
[72] CHOI, HYUN HO, KR
[72] KIM, TAE WANG, KR
[72] JU, MI KYEONG, KR
[72] HA, NA RY, KR
[72] LEE, EUI CHUL, KR
[71] YUHAN CORPORATION, KR
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[86] 2019-03-20 (PCT/IB2019/052278)
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[51] **Int.Cl. B29C 65/40 (2006.01) B32B 37/15 (2006.01)**
[25] EN
[54] **METHODS FOR DISPENSING AND ADHERING HOT MELT ENTRAINED POLYMERS TO SUBSTRATES**
[54] **METHODES DE DISTRIBUTION ET DE COLLAGE DE POLYMERES ENTRAINES THERMOFUSIBLES SUR DES SUBSTRATS**
[72] PETERS, GARY, US
[72] FREEDMAN, JONATHAN R., US
[72] LUCAS, FRANKLIN LEE, JR., US
[71] CSP TECHNOLOGIES, INC., US
[85] 2020-09-03
[86] 2018-09-05 (PCT/US2018/049578)
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[54] **TRANSGENIC CHICKEN THAT PRODUCES HUMAN ANTIBODIES**
[54] **POULET TRANSGENIQUE QUI PRODUIT DES ANTICORPS HUMAINS**
[72] LEIGHTON, PHILIP A., US
[72] HARRIMAN, WILLIAM DON, US
[71] CRYSTAL BIOSCIENCE INC., US
[85] 2020-09-03
[86] 2019-03-05 (PCT/US2019/020799)
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[51] **Int.Cl. A01K 1/015 (2006.01) A01K 1/00 (2006.01) A61L 15/20 (2006.01)**
[25] EN
[54] **NON-CLAY BASED CLUMPING PET LITTERS AND METHODS OF MAKING AND USING SUCH PET LITTERS**
[54] **LITIERES POUR ANIMAUX DE COMPAGNIE NON A BASE D'ARGILE ET PROCEDES DE FABRICATION ET D'UTILISATION DE TELLES LITIERES POUR ANIMAUX DE COMPAGNIE**
[72] HUCK, NATHAN FOSTER, US
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2020-09-03
[86] 2019-02-27 (PCT/IB2019/051581)
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[30] US (62/639,683) 2018-03-07

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[54] **ORIFICE-DEFINING ENTRY PLATE FOR FILTRATION DEVICE**
[54] **PLAQUE D'ENTREE DEFINISSANT UN ORIFICE POUR UN DISPOSITIF DE FILTRATION**
[72] BEIER, SCOTT B., US
[71] PRODUCTS UNLIMITED, INC., US
[85] 2020-09-03
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[25] EN
[54] **MICROBIOLOGICAL MEDIA AND METHODS OF USING SAME**
[54] **MILIEU MICROBIOLOGIQUE ET SES METHODES D'UTILISATION**
[72] FARBER, MATTHEW J., US
[72] KENT, PHAM, US
[71] UNIVERSITY OF THE SCIENCES, US
[85] 2020-09-03
[86] 2019-03-05 (PCT/US2019/020822)
[87] (WO2019/173389)
[30] US (62/639,433) 2018-03-06
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[54] **EXPRESSION OF HETEROLOGOUS ENZYMES IN YEAST FOR FLAVOURED ALCOHOLIC BEVERAGE PRODUCTION**
[54] **EXPRESSION D'ENZYMES HETEROLOGUES DANS LA LEVURE POUR LA PRODUCTION DE BOISSON ALCOOLISEE AROMATISEE**
[72] RICE, CHARLES F., US
[72] STONEHOUSE, EMILY AGNES, US
[72] MEMMER, NICHOLAS, US
[72] MUYSSON, JARED CAMERON, US
[72] CARIGNAN, BAILEY MORGAN, US
[72] FREEMAN, CHRISTOPHER J., US
[72] HENNINGSEN, BROOKS, US
[72] GREEN, HANNAH LENA, US
[72] ARGYROS, AARON, US
[71] DANSTAR FERMENT AG, CH
[85] 2020-09-03
[86] 2019-03-01 (PCT/IB2019/051682)
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[51] **Int.Cl. A61F 9/007 (2006.01) A61F 9/008 (2006.01)**
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[54] **SYSTEM FOR EYE TRACKING DURING EYE TREATMENT**
[54] **SYSTEMES D'OCULOMETRIE PENDANT UN TRAITEMENT OCULAIRE**
[72] ADLER, DESMOND CHRISTOPHER, US
[72] USHER, DAVID, US
[72] SMIRNOV, KIKHAIL Z., US
[71] AVEDRO, INC., US
[85] 2020-09-03
[86] 2019-03-05 (PCT/US2019/020839)
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[54] **METHODS AND SYSTEMS FOR SPEECH SIGNAL PROCESSING**
[54] **PROCEDES ET SYSTEMES DE TRAITEMENT DE SIGNAL VOCAL**
[72] JONES, CHARLES ANTHONY, US
[72] BRANSON, KIM MATTHEW, US
[71] FRONTIVE, INC., US
[85] 2020-09-03
[86] 2019-02-19 (PCT/US2019/018607)
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[25] EN
[54] **INTERNAL PILE CUTTER**
[54] **DISPOSITIF DE DECOUPE INTERNE DE PIEU**
[72] TRUDEAU, LEON, US
[71] TRUDEAU, LEON, US
[85] 2020-09-03
[86] 2019-02-27 (PCT/US2019/019841)
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[30] US (62/639,204) 2018-03-06

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[51] **Int.Cl. C12N 5/07 (2010.01) C12N 5/077 (2010.01) C12N 5/00 (2006.01) C12N 5/02 (2006.01)**
[25] EN
[54] **INJECTABLE OFF-THE-SHELF CARTILAGE, TENDON, AND LIGAMENT REPAIR COMPOSITIONS AND METHODS OF USE**
[54] **COMPOSITIONS DE REPARATION DES CARTILAGES, TENDONS ET LIGAMENTS EN VENTE LIBRE, ET LEURS PROCEDES D'UTILISATION**
[72] BHUMRATANA, SARINDR, US
[72] KELLY, TERRI-ANN, US
[72] JEFFRIES, ERIC MEADE, US
[72] BEANE, OLIVIA SPENCER, US
[72] HUANG, ANGELA HAI, US
[71] EPIBONE, INC., US
[71] BHUMRATANA, SARINDR, US
[71] KELLY, TERRI-ANN, US
[71] JEFFRIES, ERIC MEADE, US
[71] BEANE, OLIVIA SPENCER, US
[71] HUANG, ANGELA HAI, US
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[30] US (62/639,322) 2018-03-06

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[51] **Int.Cl. C09K 8/524 (2006.01)**
[25] EN
[54] **PARAFFIN INHIBITOR COMPOSITION FOR USE AT LOW TEMPERATURES**
[54] **COMPOSITION D'INHIBITEUR DE PARAFFINE DESTINEE A ETRE UTILISEE A BASSE TEMPERATURE**
[72] CHICHAK, KELLY S., US
[72] DOANE, JOSEPH T., US
[72] CHRISTOFEL, BRIAN T., US
[72] SHANKLIN, ELLIOTT W., US
[71] SI GROUP, INC., US
[85] 2020-09-03
[86] 2019-03-06 (PCT/US2019/020917)
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[30] US (62/639,037) 2018-03-06
[30] US (62/671,800) 2018-05-15
[30] US (62/671,728) 2018-05-15
[30] US (62/671,850) 2018-05-15
[30] US (62/795,262) 2019-01-22
[30] US (62/799,858) 2019-02-01

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[13] A1
[51] **Int.Cl. E04F 13/00 (2006.01) E04B 1/94 (2006.01) E04F 13/08 (2006.01)**
[25] EN
[54] **REAR-VENTILATED BUILDING FACADE AS WELL AS PROCESS FOR MANUFACTURING SAME**
[54] **FACADE DE BATIMENT VENTILEE PAR L'ARRIERE AINSI QUE SON PROCEDE DE FABRICATION**
[72] PASSON, ULRICH, DE
[72] GRONER, WILHELM, DE
[72] SCHULLER, WALTER, DE
[71] SAINT-GOBAIN ISOVER, FR
[85] 2020-09-03
[86] 2019-01-09 (PCT/EP2019/050419)
[87] (WO2019/174792)
[30] DE (10 2018 106 183.8) 2018-03-16

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[13] A1
[51] **Int.Cl. F02B 55/16 (2006.01) F01C 1/12 (2006.01) F01C 21/00 (2006.01) F02B 53/06 (2006.01) F02B 53/12 (2006.01) F02B 55/08 (2006.01)**
[25] EN
[54] **CONTINUOUS MOTION REVOLVING PISTON ENGINE**
[54] **MOTEUR A PISTON ROTATIF A MOUVEMENT CONTINU**
[72] HARTMANS, GERT-WILLEM, US
[71] HARTMANS, GERT-WILLEM, US
[85] 2020-09-03
[86] 2019-03-01 (PCT/US2019/020315)
[87] (WO2019/173144)
[30] US (15/911,121) 2018-03-04

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[51] **Int.Cl. B05B 7/08 (2006.01) A24F 47/00 (2020.01) B05B 7/16 (2006.01) H01L 23/34 (2006.01) H05B 3/26 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING AN ELECTRICALLY OPERABLE HEATING ELEMENT FOR AN INHALER**
[54] **PROCEDE DE FABRICATION D'UN CORPS CHAUFFANT A COMMANDE ELECTRIQUE POUR UN INHALATEUR**
[72] PELZ, UWE, DE
[72] GHANAM, MUHANNAD, DE
[72] JAKLIN, JAN, DE
[72] WOIAS, PETER, DE
[72] RATH, SONALI, DE
[72] GOLDSCHMIDTBOING, FRANK, DE
[71] HAUNI MASCHINENBAU GMBH, DE
[85] 2020-09-03
[86] 2019-02-15 (PCT/EP2019/053813)
[87] (WO2019/170394)
[30] DE (10 2018 105 220.0) 2018-03-07

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[13] A1
[51] **Int.Cl. C12N 5/0735 (2010.01) C12N 5/0789 (2010.01) C12N 5/079 (2010.01)**
[25] EN
[54] **METHOD FOR GENERATING MULTIPLE CELLULAR PRODUCTS FROM SINGLE PLURIPOTENT CELL SOURCE**
[54] **PROCEDE POUR GENERER DE MULTIPLES PRODUITS CELLULAIRES A PARTIR D'UNE SEULE SOURCE DE CELLULES PLURIPOTENTES**
[72] ZENG, XIANMIN, US
[72] RAO, MAHENDRA, US
[71] NXCELL INC., US
[85] 2020-09-03
[86] 2019-03-11 (PCT/US2019/021555)
[87] (WO2019/177936)
[30] US (62/641,570) 2018-03-12

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[13] A1
[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/06 (2012.01) G06F 16/35 (2019.01)**
[25] EN
[54] **ONLINE SAMPLING ANALYSIS**
[54] **ANALYSE D'ECHANTILLONNAGE EN LIGNE**
[72] PATIL, DEEPAK CHANDRAKANT, IN
[72] RANJAN, RAKESH KUMAR, IN
[72] DAS, SHIBSANKAR, US
[72] SAXENA, SIDDHARTHA, IN
[72] DESHMUKH, OM DADAJI, IN
[71] YODLEE, INC., US
[85] 2020-09-03
[86] 2019-03-01 (PCT/US2019/020399)
[87] (WO2019/173161)
[30] US (15/912,326) 2018-03-05

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[13] A1
[51] **Int.Cl. A61K 9/50 (2006.01) C08F 220/18 (2006.01) C09D 4/00 (2006.01) C09D 133/04 (2006.01)**
[25] EN
[54] **POLYMER MIXTURE WITH RESISTANCE AGAINST THE INFLUENCE OF ETHANOL**
[54] **MELANGE POLYMERE DOTE D'UNE RESISTANCE CONTRE L'INFLUENCE DE L'ETHANOL**
[72] ENDRES, THOMAS, US
[72] MEIER, CHRISTIAN, DE
[72] HERMES, FLORIAN, DE
[72] DEL ROSARIO FERRAND, JESSICA, DE
[72] JUNG, HERBERT, DE
[72] EURICH, THOMAS, DE
[72] SCHATTKA, JAN HENDRIK, DE
[71] EVONIK OPERATIONS GMBH, DE
[85] 2020-09-03
[86] 2019-02-27 (PCT/EP2019/054817)
[87] (WO2019/170485)
[30] EP (18160836.5) 2018-03-09

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[51] **Int.Cl. C07K 14/705 (2006.01) C07K 16/24 (2006.01) C07K 16/28 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **PROSTATE-SPECIFIC MEMBRANE ANTIGEN CARS AND METHODS OF USE THEREOF**
[54] **RECEPTEURS D'ANTIGENE CHIMERIQUE SPECIFIQUE A L'ANTIGENE PROSTATIQUE SPECIFIQUE MEMBRANAIRE ET LEURS PROCEDES D'UTILISATION**
[72] ZHAO, YANGBING, US
[72] LIN, SZU HUA SHARON, US
[72] LIU, XIAOJUN, US
[72] CHEW, ANNE, US
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[30] US (62/639,321) 2018-03-06

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[54] **RECEPTION DEVICE, RECEPTION SIGNAL PROCESSING METHOD, CONTROL CIRCUIT, AND RECORDING MEDIUM**
[54] **DISPOSITIF DE RECEPTION ET PROCEDE DE TRAITEMENT DE SIGNAL DE RECEPTION**
[72] NODA, YASUNORI, JP
[72] UEHASHI, SHUNSUKE, JP
[72] MOTOYOSHI, KATSUYUKI, JP
[72] UCHIDA, SHIGERU, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2020-09-03
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[51] **Int.Cl. G06F 21/62 (2013.01) G06F 8/65 (2018.01)**
[25] EN
[54] **CUSTOMIZABLE CLOUD-BASED SOFTWARE PLATFORM**
[54] **PLATE-FORME LOGICIELLE PERSONNALISABLE EN NUAGE**
[72] COOK, AL, US
[72] AMPS, MARTIN, US
[72] ABEL, MADIS, US
[72] TINT, HANDO, US
[72] MIHNOVITS, TATJANA, US
[71] TWILIO INC., US
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[87] (WO2019/178130)
[30] US (62/641,539) 2018-03-12
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[54] **SAUNA A RAYONNEMENT INFRAROUGE MOYEN**
[72] JENSEN, THOMAS SKJOLDBORG, DK
[71] JENSEN, THOMAS SKJOLDBORG, DK
[85] 2020-09-03
[86] 2019-03-04 (PCT/EP2019/055260)
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[30] DK (PA 2018 00103) 2018-03-06

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[51] **Int.Cl. A61K 38/20 (2006.01) A61K 47/60 (2017.01) C07K 1/107 (2006.01)**
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[54] **CONJUGATES**
[54] **CONJUGUES**
[72] KNAPPE, THOMAS, DE
[72] SPROGOE, KENNETT, DK
[72] BISEK, NICOLA, DE
[72] LAUFER, BURKHARDT, DE
[71] ASCENDIS PHARMA A/S, DK
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[30] EP (18164671.2) 2018-03-28

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[25] EN
[54] **METAL PRODUCTS HAVING IMPROVED SURFACE PROPERTIES AND METHODS OF MAKING THE SAME**
[54] **PRODUITS METALLIQUES AYANT DES PROPRIETES DE SURFACE AMELIOREES ET PROCEDES DE FABRICATION DE CEUX-CI**
[72] BARKER, SIMON WILLIAM, US
[72] TALLA, RAJASEKHAR, US
[72] DAS, SAZOL KUMAR, US
[72] PIROTEALA, TUDOR, US
[72] FELBERBAUM, MILAN, CH
[72] WAGSTAFF, SAMUEL ROBERT, US
[71] NOVELIS INC., US
[85] 2020-09-03
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[25] EN
[54] **A THERAPY FOR GLAUCOMA AND OPTIC NEUROPATHY BY TARGETING COLONY STIMULATING FACTORS**
[54] **TRAITEMENT DU GLAUCOME ET DE LA NEUROPATHIE OPTIQUE PAR CIBLAGE DE FACTEURS DE STIMULATION DES COLONIES**
[72] MIN, JI, US
[72] CHO, KIN-SANG, US
[72] CHEN, DONG FENG, US
[71] THE SCHEPENS EYE RESEARCH INSTITUTE, INC., US
[85] 2020-09-03
[86] 2019-03-05 (PCT/US2019/020787)
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[25] EN
[54] **ENDOTRACHEAL TUBE INSERTION DEVICE**
[54] **DISPOSITIF D'INSERTION DE TUBE ENDOTRACHEAL**
[72] GARDNER, GLENN P., US
[71] GARDNER, GLENN P., US
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[86] 2019-03-15 (PCT/US2019/022492)
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[25] EN
[54] **NEW POLYISOCYANATE COMPOSITIONS**
[54] **NOUVELLES COMPOSITIONS DE POLYISOCYANATES**
[72] OLIER, PHILIPPE, FR
[71] VENCOREX FRANCE, FR
[85] 2020-09-03
[86] 2019-03-05 (PCT/EP2019/055446)
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[25] EN
[54] **ASPHALTENE DISPERSANT COMPOSITION**
[54] **COMPOSITION DE DISPERSANT D'ASPHALTENE**
[72] DOANE, JOSEPH T., US
[72] CHICHAK, KELLY S., US
[72] CHRISTOFEL, BRIAN T., US
[72] SHANKLIN, ELLIOTT W., US
[71] SI GROUP, INC., US
[85] 2020-09-03
[86] 2019-03-06 (PCT/US2019/020923)
[87] (WO2019/173458)
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[30] US (62/671,728) 2018-05-15
[30] US (62/671,850) 2018-05-15
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[54] **ENDOTRACHEAL TUBE INSERTION DEVICE**
[54] **DISPOSITIF D'INTRODUCTION DE TUBE ENDOTRACHEAL**
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[71] GARDNER, GLENN P., US
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[25] EN
[54] **SOLDER ALLOY, SOLDER PASTE, SOLDER BALL, RESIN FLUX-CORED SOLDER AND SOLDER JOINT**
[54] **ALLIAGE DE BRASURE, PATE A BRASER, BILLE DE BRASURE, BRASURE A NOYAU DE RESINE ET JOINT DE BRASURE**
[72] YOKOYAMA, TAKAHIRO, JP
[72] DEI, KANTA, JP
[72] MATSUFUJI, TAKAHIRO, JP
[72] NOMURA, HIKARU, JP
[72] YOSHIKAWA, SHUNSAKU, JP
[71] SENJU METAL INDUSTRY CO., LTD., JP
[85] 2020-09-03
[86] 2018-12-21 (PCT/JP2018/047180)
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[30] JP (2018-042040) 2018-03-08
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[54] **IMPROVEMENTS IN VARIANT DETECTION**
[54] **AMELIORATIONS APPORTEES A LA DETECTION DE VARIANTS**
[72] FISHER, EYAL, GB
[72] HEIDER, KATRIN, GB
[72] MASSIE, CHARLES, GB
[72] MOULIERE, FLORENT, GB
[72] ROSENFELD, NITZAN, GB
[72] SMITH, CHRISTOPHER G., GB
[72] WAN, JONATHAN C.M., GB
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB
[85] 2020-09-03
[86] 2019-03-06 (PCT/EP2019/055610)
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[25] EN
[54] **PARAPOXVIRUS VECTORS**
[54] **VECTEURS DE PARAPOXVIRUS**
[72] RITTNER, KAROLA, FR
[72] REMY, CHRISTELLE, FR
[72] THIOUDELLET, CHRISTINE, FR
[71] TRANSGENE, FR
[85] 2020-09-03
[86] 2019-03-07 (PCT/EP2019/055744)
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[25] EN
[54] **FLUE CAP COVER**
[54] **CACHE POUR LA VENTOUSE DE SORTIE DES FUMEES**
[72] KING, JACK F. JR., US
[71] ROOF GOOSE VENT LLC, US
[85] 2020-09-03
[86] 2019-03-22 (PCT/US2019/023679)
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[51] **Int.Cl. C08G 8/10 (2006.01) C04B 26/26 (2006.01) C08J 3/09 (2006.01) C08L 61/06 (2006.01) C08L 95/00 (2006.01)**
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[54] **ALKYLPHENOL COPOLYMER**
[54] **COPOLYMERE D'ALKYLPHENOL**
[72] CHICHAK, KELLY S., US
[72] DOANE, JOSEPH T., US
[72] CHRISTOFEL, BRIAN T., US
[72] SHANKLIN, ELLIOTT W., US
[71] SI GROUP, INC., US
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[87] (WO2019/173464)
[30] US (62/639,037) 2018-03-06
[30] US (62/671,800) 2018-05-15
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[51] **Int.Cl. B67D 1/00 (2006.01) A23L 2/00 (2006.01) C02F 1/00 (2006.01) C02F 1/02 (2006.01) C02F 1/32 (2006.01) C02F 1/68 (2006.01)**
[25] EN
[54] **BEVERAGE DISTRIBUTION APPARATUS AND METHOD FOR BEVERAGE DISTRIBUTION USING SAME**
[54] **APPAREIL DE DISTRIBUTION DE BOISSON ET PROCEDE DE DISTRIBUTION DE BOISSON FAISANT APPEL AUDIT APPAREIL**
[72] GAGNON, FRANCIS, CA
[72] LEMIEUX, JEAN-RENE, CA
[72] NADEAU, MICHEL, CA
[71] GROUPE OPUIT INC., CA
[85] 2020-09-04
[86] 2019-03-05 (PCT/CA2019/050263)
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[51] **Int.Cl. A63B 21/00 (2006.01) A63B 21/02 (2006.01) A63B 21/04 (2006.01) A63B 22/00 (2006.01) A63B 23/00 (2006.01) A63B 23/035 (2006.01)**
[25] EN
[54] **ULTRA CLASSIC REFORMER APPARATUS**
[54] **APPAREIL DE REMISE EN FORME ULTRA-CLASSIQUE**
[72] ENDELMAN, KEN, US
[72] SPELMAN, KIT W., US
[71] BALANCED BODY, INC., US
[85] 2020-09-03
[86] 2019-03-18 (PCT/US2019/022697)
[87] (WO2019/199413)
[30] US (15/950,047) 2018-04-10

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[51] **Int.Cl. E04B 2/74 (2006.01) E04B 1/86 (2006.01)**
[25] EN
[54] **PARTITION WALL STRUCTURE AND METHOD FOR CONSTRUCTING SAME**
[54] **STRUCTURE DE CLOISON DE SEPARATION ET SON PROCEDE DE CONSTRUCTION**
[72] HASEGAWA, TOMOYA, JP
[72] SUGAYA, HIROYUKI, JP
[72] HAYASHI, YUKITERU, JP
[72] IMAIZUMI, NAOKI, JP
[71] YOSHINO GYPSUM CO., LTD., JP
[85] 2020-09-03
[86] 2019-02-27 (PCT/JP2019/007545)
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[51] **Int.Cl. B64C 1/14 (2006.01) E05D 3/12 (2006.01) E06B 5/00 (2006.01)**
[25] EN
[54] **DOOR ASSEMBLY COMPRISING HINGE WITH TWO PINS**
[54] **ENSEMBLE PORTE COMPRENANT UNE CHARNIERE A DEUX AXES**
[72] HELSLEY, THOMAS J., US
[71] HARTWELL CORPORATION, US
[85] 2020-09-03
[86] 2019-03-27 (PCT/US2019/024192)
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[13] A1
[51] **Int.Cl. B60T 17/00 (2006.01)**
[25] EN
[54] **EFFLUENT PROCESSING APPARATUS AND METHOD FOR A VEHICLE AIR BRAKE CHARGING SYSTEM**
[54] **APPAREIL ET PROCEDE DE TRAITEMENT D'EFFLUENT POUR UN SYSTEME DE CHARGE DE FREIN PNEUMATIQUE DE VEHICULE**
[72] HOWE, STEPHEN, US
[71] BENDIX COMMERCIAL VEHICLE SYSTEMS LLC, US
[85] 2020-09-03
[86] 2019-03-21 (PCT/US2019/023372)
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[30] US (15/937,129) 2018-03-27

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[51] **Int.Cl. G06Q 10/00 (2012.01)**
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[54] **DYNAMIC NEGATIVE PERPETUAL INVENTORY RESOLUTION SYSTEM**
[54] **SYSTEME DE RESOLUTION DYNAMIQUE D'INVENTAIRE PERPETUEL NEGATIF**
[72] FUNDERBURG, LAURA, US
[72] VANWILPE, ED, US
[71] WALMART APOLLO, LLC, US
[85] 2020-09-03
[86] 2019-03-27 (PCT/US2019/024279)
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[30] US (62/651,700) 2018-04-02

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[51] **Int.Cl. C07C 237/04 (2006.01) A61K 31/7028 (2006.01) A61K 38/05 (2006.01) A61P 35/00 (2006.01) C07C 271/22 (2006.01) C07F 7/18 (2006.01) C07H 15/203 (2006.01) C07H 23/00 (2006.01) C07K 5/062 (2006.01)**
[25] EN
[54] **PRODRUG-TYPE ANTICANCER AGENT USING CANCER-SPECIFIC ENZYMATIC ACTIVITY**
[54] **AGENT ANTICANCEREUX DE TYPE PROMEDICAMENT UTILISANT UNE ACTIVITE ENZYMATIQUE SPECIFIQUE DU CANCER**
[72] URANO, YASUTERU, JP
[72] KAMIYA, MAKO, JP
[72] HAYASHI, KENTO, JP
[71] THE UNIVERSITY OF TOKYO, JP
[85] 2020-09-03
[86] 2019-03-04 (PCT/JP2019/008483)
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[13] A1
[51] **Int.Cl. B23K 9/10 (2006.01) B23K 9/095 (2006.01)**
[25] EN
[54] **WELDING POWER SUPPLIES HAVING DYNAMIC CURRENT RESPONSES**
[54] **ALIMENTATIONS ELECTRIQUES DE SOUDAGE A REPONSES DE COURANT DYNAMIQUES**
[72] BOWMAN, CODY J., US
[72] JOYCE, RICHARD, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2020-09-03
[86] 2019-03-22 (PCT/US2019/023660)
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[30] US (62/646,958) 2018-03-23

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[51] **Int.Cl. E21B 43/12 (2006.01)**
[25] EN
[54] **INTERNAL VALVE PLUNGER**
[54] **PISTON DE VANNE INTERNE**
[72] BOYD, MITCHELL A., US
[72] BOYD, GARRETT S., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[85] 2020-09-03
[86] 2019-03-06 (PCT/US2019/021021)
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[51] **Int.Cl. F02C 7/236 (2006.01) F02C 9/30 (2006.01) F02M 37/08 (2006.01)**
[25] EN
[54] **FUEL SUPPLY CONTROL DEVICE**
[54] **DISPOSITIF DE COMMANDE D'ALIMENTATION EN CARBURANT**
[72] SEKI, NAOKI, JP
[72] YAMAMOTO, YASUHIKO, JP
[72] SHIMAMURA, AKIHIRO, JP
[71] IHI CORPORATION, JP
[85] 2020-09-03
[86] 2019-03-07 (PCT/JP2019/009076)
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[30] JP (2018-042111) 2018-03-08

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[51] **Int.Cl. A61K 9/28 (2006.01) A61K 9/32 (2006.01) A61K 9/36 (2006.01)**
[25] EN
[54] **ACIDIFYING COATINGS AND DISINTEGRATION-RESISTANT SUBSTRATES COATED THEREWITH**
[54] **REVETEMENTS ACIDIFIANTS ET SUBSTRATS RESISTANT A LA DESAGREGATION REVETUS DE CEUX-CI**
[72] MEHTA, RAXITKUMAR Y., US
[72] REYES, GEORGE, US
[72] TECKOE, JASON, GB
[72] TO, DANIEL, US
[71] BPSI HOLDINGS LLC, US
[85] 2020-09-03
[86] 2019-03-29 (PCT/US2019/024775)
[87] (WO2019/199488)
[30] US (62/656,611) 2018-04-12

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[13] A1
[51] **Int.Cl. B61F 5/14 (2006.01) F16F 7/08 (2006.01)**
[25] EN
[54] **RAILWAY TRUCK ASSEMBLY HAVING FRICTION ASSIST SIDE BEARINGS**
[54] **ENSEMBLE DE BOGIE FERROVIAIRE AYANT DES PALIERS LATERAUX D'ASSISTANCE A LA FRICTION**
[72] WIKE, PAUL STEVEN, US
[72] ALEYNIKOV, IGOR, US
[72] DOERR, JARED, US
[72] PETRUNICH, TOM, US
[71] AMSTED RAIL COMPANY, INC., US
[85] 2020-08-27
[86] 2019-04-23 (PCT/US2019/028649)
[87] (WO2019/209789)
[30] US (62/663,755) 2018-04-27

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[51] **Int.Cl. E21B 43/12 (2006.01)**
[25] EN
[54] **UNIBODY BYPASS PLUNGER AND VALVE CAGE WITH SEALABLE PORTS**
[54] **PISTON DE DERIVATION MONOBLOC ET CAGE DE SOUPAPE AVEC ORIFICES SCELLABLES**
[72] BOYD, MITCHELL A., US
[72] BOYD, GARRETT S., US
[71] FLOWCO PRODUCTION SOLUTIONS, LLC, US
[85] 2020-09-03
[86] 2019-03-06 (PCT/US2019/021035)
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[30] US (62/639,388) 2018-03-06

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[51] **Int.Cl. C22F 1/04 (2006.01) C22C 21/00 (2006.01) C22C 21/08 (2006.01) C22C 21/10 (2006.01) C22C 21/12 (2006.01) C22F 1/05 (2006.01) C22F 1/053 (2006.01) C22F 1/057 (2006.01)**
[25] EN
[54] **F* AND W TEMPER ALUMINUM ALLOY PRODUCTS AND METHODS OF MAKING THE SAME**
[54] **PRODUITS D'ALLIAGE D'ALUMINIUM A TREMPE F* ET W ET PROCEDES DE FABRICATION ASSOCIES**
[72] BEZENCON, CYRILLE, CH
[72] LEYVRAZ, DAVID, CH
[72] DESPOIS, AUDE CELINE, CH
[72] WAGSTAFF, SAMUEL R., US
[71] NOVELIS INC., US
[85] 2020-09-03
[86] 2019-05-14 (PCT/US2019/032167)
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[30] US (62/671,677) 2018-05-15
[30] US (62/753,442) 2018-10-31

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[51] **Int.Cl. C08G 65/32 (2006.01) C08G 65/34 (2006.01)**
[25] EN
[54] **POLYETHER DERIVATIVES, USES, AND METHODS OF MAKING THE SAME**
[54] **DERIVES DE POLYETHER, LEURS UTILISATIONS ET LEURS PROCEDES DE PREPARATION**
[72] FOLEY, PATRICK, US
[72] SALAM, TANIA, US
[72] IKRAM, ANAM, US
[71] P2 SCIENCE, INC., US
[85] 2020-09-03
[86] 2019-03-07 (PCT/US2019/021187)
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[30] US (62/639,784) 2018-03-07

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[54] **SYSTEMS, APPARATUSES, DEVICES, AND METHODS FOR INITIATING OR DETONATING TERTIARY EXPLOSIVE MEDIA BY WAY OF PHOTONIC ENERGY**
[54] **SYSTEMES, APPAREILS, DISPOSITIFS ET PROCEDES D'INITIATION OU DE DETONATION DE MILIEUX EXPLOSIFS TERTIAIRES PAR ENERGIE PHOTONIQUE**
[72] RAWLS, MATTHEW TOLLIVER, US
[72] JOHNSON, DAVID OLAF, US
[72] APPLEBY, RODNEY WAYNE, AU
[72] GOODRIDGE, RICHARD JOHN, AU
[72] LEE, MING CHUNG, US
[72] SANCHEZ, FRANCISCO, US
[71] ORICA INTERNATIONAL PTE LTD, SG
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[54] **PD-1/PD-L1 INHIBITORS**
[54] **INHIBITEURS PD-1/PD-L1**
[72] AKTOUDIANAKIS, EVANGELOS, US
[72] CHO, AESOP, US
[72] DU, ZHIMIN, US
[72] GRAUPE, MICHAEL, US
[72] LAD, LATESHKUMAR THAKORLAL, US
[72] MACHICAO TELLO, PAULO A., US
[72] MEDLEY, JONATHAN WILLIAM, US
[72] METOBO, SAMUEL E., US
[72] MUKHERJEE, PRASENJIT KUMAR, US
[72] NADUTHAMBI, DEVAN, US
[72] PARKHILL, ERIC Q., US
[72] PHILLIPS, BARTON W. (DECEASED), US
[72] SIMONOVICH, SCOTT PRESTON, US
[72] SQUIRES, NEIL H., US
[72] WANG, PEIYUAN, US
[72] WATKINS, WILLIAM J., US
[72] XU, JIE, US
[72] YANG, KIN SHING, US
[72] ZIEBENHAUS, CHRISTOPHER ALLEN, US
[71] GILEAD SCIENCES, INC., US
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[54] **METHODS AND APPARATUS FOR HYBRID WELDER MODES OF OPERATION**
[54] **PROCEDES ET APPAREIL DE MODES DE FONCTIONNEMENT DE DISPOSITIF DE SOUDAGE HYBRIDE**
[72] RADTKE, DAVID EDWIN, US
[71] ILLINOIS TOOL WORKS INC., US
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[54] **TARGETING MANY-BODY EIGENSTATES ON A QUANTUM COMPUTER**
[54] **CIBLAGE D'ETATS PROPRES DE N CORPS SUR UN ORDINATEUR QUANTIQUE**
[72] BABBUSH, RYAN, US
[72] MCCLEAN, JARROD RYAN, US
[71] GOOGLE LLC, US
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[54] **AN EXPANDABLE DEVICE, APPARATUS AND ASSEMBLY FOR PUSHING APART OPPOSED SURFACES**
[54] **DISPOSITIF EXTENSIBLE, APPAREIL ET ENSEMBLE POUR ELOIGNER DES SURFACES OPPOSEES**
[72] JAMES, ALLAN MARTIN, AU
[71] WORKPLACE MAINTENANCE SOLUTIONS PTY LTD, AU
[85] 2020-09-04
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[54] **PROCEDE DE SIGNALEMENT DE MARGE DE PUISSANCE DE SRS, DISPOSITIF TERMINAL ET SUPPORT DE STOCKAGE INFORMATIQUE**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[54] **PROCEDES, APPAREIL ET SYSTEMES DE TRANSFORMATEURS DE TYPE SEC**
[72] NAVARRO, MARTIN ALSINA, BR
[72] WANG, YAOQIANG, CN
[72] MORENO, ANDRE LUIZ, BR
[72] ZHANG, MING, CN
[72] YU, XIONG, CN
[71] SIEMENS AKTIENGESELLSCHAFT, DE
[71] HAINAN JINPAN SMART TECHNOLOGY CO., LTD., CN
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[54] **HETEROARYL COMPOUNDS AS KINASE INHIBITOR**
[54] **COMPOSES HETEROARYLE UTILISES EN TANT QU'INHIBITEUR DE KINASE**
[72] FENG, YAN, CN
[72] WANG, RUYONG, CN
[72] LI, JUNQING, CN
[72] ZHENG, JIANJIA, CN
[72] LIAN, XIN, CN
[72] GONG, XUAN, CN
[72] FU, YUELI, CN
[72] KANG, XINSHAN, CN
[71] FUJIAN HAIXI PHARMACEUTICALS CO., LTD, CN
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[54] **MACROCYCLIC COMPOUNDS AS TRK KINASES INHIBITORS**
[54] **COMPOSES MACROCYCLIQUES EN TANT QU'INHIBITEURS DE KINASES TRK**
[72] ZHANG, HUAJIE, CN
[72] LIU, QIHONG, CN
[72] HE, CHENGXI, CN
[72] ZHANG, WEIPENG, CN
[72] TAN, RUI, CN
[72] LIU, BIN, CN
[72] FU, HONG, CN
[72] TAN, HAOHAN, CN
[72] YANG, LIJUN, CN
[72] LIU, HONGBIN, CN
[72] WANG, YUNLING, CN
[72] GAO, YUWEI, CN
[72] ZOU, ZONGYAO, CN
[72] LIU, YANXIN, CN
[72] LIN, SHU, US
[72] LI, TONGSHUANG, US
[72] ZHAO, XINGDONG, CN
[72] WANG, WEIBO, US
[71] FOCHON PHARMACEUTICALS, LTD., CN
[71] SHANGHAI FOCHON PHARMACEUTICAL CO., LTD., CN
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[54] **SURVEILLANCE DE POSITION D'UN JOINT D'ETANCHEITE ENTRE DES SEGMENTS DE TUNNEL**
[72] JONGSMA, ARNOUD MARC, NL
[72] VAN WEEREN, DENNIS, NL
[71] FNV IP B.V., NL
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[54] **PYRIDINIUM, QUINOLINIUM, ACRIDINIUM, PYRYLIUM, CHROMENYLIUM OR XANTHYLIZUM REACTIVE DESORPTION AND/OR LASER ABLATION IONIZATION MATRICES AND USE THEREOF**
[54] **MATRICES D'IONISATION REACTIVES AVEC DESORPTION ET/OU ABLATION LASER ET LEUR UTILISATION**
[72] ANDREN, PER, SE
[72] ODELL, LUKE, SE
[72] NILSSON, ANNA, SE
[72] SHARIATGORJI, MOHAMMADREZA, SE
[72] SAVMARKER, JONAS, SE
[71] ANDREN, PER, SE
[71] ODELL, LUKE, SE
[71] NILSSON, ANNA, SE
[71] SHARIATGORJI, MOHAMMADREZA, SE
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[54] **AGENCEMENT DE POMPE A VIDE POUR INSTALLATION DE TRAITE**
[72] PALMER, FREDRIK, SE
[72] WIBERG, LARS, SE
[71] DELAVAL HOLDING AB, SE
[85] 2020-09-04
[86] 2019-03-07 (PCT/SE2019/050199)
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[54] **DISPOSITIF D'INSERTION D'UN SHUNT INTRAOCULAIRE**
[72] ROMODA, LASZLO O., US
[72] HORVATH, CHRISTOPHER, US
[71] AQUESYS, INC., US
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[54] **TANKS EMBODIMENT FOR A FLOW BATTERY**
[54] **MODE DE REALISATION DE RESERVOIRS DESTINE A UNE BATTERIE REDOX**
[72] D'ANZI, ANGELO, US
[72] BROVERO, CARLO ALBERTO, IT
[72] PIRACCINI, GIANLUCA, IT
[72] TAPPI, MAURIZIO, IT
[71] STOREN TECHNOLOGIES INC., US
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[54] **APPAREIL ET PROCEDE DE FABRICATION D'UN SERTISSAGE DE BIJOU**
[72] TAKESSIAN, GARABED, US
[71] TAKESSIAN, GARABED, US
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[72] VAN DER BURG, GERRIT, NL
[71] MERWELANDS JACHTBOUW ROTTERDAM B.V., NL
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[54] **OUTIL DE SAISIE POUR RETIRER UNE SECTION DE TUBAGE A PARTIR D'UN PUITS**
[72] BRADDICK, BRITT O., US
[71] TIW CORPORATION, US
[85] 2020-09-04
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[54] **REINFORCED STUD-FRAMED WALL**
[54] **PAROI A SUPPORT DE MONTANT RENFORCE**
[72] ESPINOSA, THOMAS, M., US
[71] CETRES HOLDINGS, LLC, US
[85] 2020-09-03
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[25] EN
[54] **THERMAL EXPANSION ACTUATION SYSTEM FOR SLEEVE SHIFTING**
[54] **SYSTEME D'ACTIONNEMENT A DILATATION THERMIQUE POUR DEPLACEMENT DE MANCHON**
[72] ANGMAN, PER G., CA
[72] ANDREYCHUK, MARK, CA
[72] PETRELLA, ALLAN, CA
[72] BROWN, MATTHEW, CA
[71] KOBOLD CORPORATION, CA
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[86] 2019-03-05 (PCT/CA2019/050268)
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[54] **APPUIE-TETE DESTINE A UN SIEGE**
[72] ERHEL, PHILIPPE, CA
[72] VIGEANT, JEROME, CA
[71] BOMBARDIER INC., CA
[85] 2020-09-04
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[54] **OPTICAL PHASE MODULATOR AND OPTICAL MODULATOR**
[54] **MODULATEUR DE PHASE OPTIQUE ET MODULATEUR OPTIQUE**
[72] SHI, WEI, CA
[72] LAROCHELLE, SOPHIE, CA
[72] JAFARI, OMID, CA
[71] UNIVERSITE LAVAL, CA
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[86] 2019-03-08 (PCT/CA2019/050291)
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[25] EN
[54] **SPIRO CYCLOHEXANEDIONE DERIVATES AS HERBICIDES**
[54] **DERIVES DE SPIRO-CYCLOHEXANEDIONE UTILISES COMME HERBICIDES**
[72] HENNESSY, ALAN JOSEPH, GB
[72] JONES, ELIZABETH PEARL, GB
[72] HACHISU, SHUJI, GB
[72] WILLETTS, NIGEL JAMES, GB
[72] DALE, SUZANNA, GB
[72] GREGORY, ALEXANDER WILLIAM, GB
[72] HOULSBY, IAN THOMAS TINMOUTH, GB
[72] BHONOAH, YUNAS, GB
[72] COMAS-BARCELO, JULIA, GB
[71] SYNGENTA PARTICIPATIONS AG, CH
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[30] GB (1804002.2) 2018-03-13

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[54] **DEVICE COMPRISING A FURNACE AND METHOD FOR THE USE THEREOF**
[54] **DISPOSITIF EQUIPE D'UN FOUR ET PROCEDE POUR SON UTILISATION**
[72] GREMMELSPACHER, MATTHIAS, DE
[72] RIST, TOBIAS, DE
[72] KUBLER, RAINER, DE
[72] LANG, BRITTA, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[54] **SYSTEME ET PROCEDE DE TRAITEMENT DE MULTIPLES SIGNAUX**
[72] KIME, SIHEM, FR
[72] CHENEGROS, GUILLAUME, FR
[72] MARIN, CLAIRE, FR
[71] CHRONOLIFE, FR
[85] 2020-09-04
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[54] **INTEGRATED DEVICES FOR SQUEEZED LIGHT GENERATION**
[54] **DISPOSITIFS INTEGRES DE GENERATION DE LUMIERE COMPRIMEE**
[72] VERNON, ZACHARY, CA
[72] TAN, KANG, CA
[72] MORRISON, BLAIR, CA
[72] SHAHROKHSHAHI, REIHANEH, CA
[72] MAHLER, DYLAN, CA
[72] MENOTTI, MATTEO, CA
[72] QUESADA, NICOLAS, CA
[71] XANADU QUANTUM TECHNOLOGIES INC., CA
[85] 2020-09-04
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[54] **IDENTIFICATION OF CONTACT LENS WEARERS PREDISPOSED TO CONTACT LENS DISCOMFORT**
[54] **IDENTIFICATION DE PORTEURS DE LENTILLES DE CONTACT PREDISPOSES A UNE GENE LIEE AUX LENTILLES DE CONTACT**
[72] DOWNIE, LAURA ELIZABETH, AU
[72] JACKSON, DAVID CHARLES, AU
[72] VINGRYS, ALGIS JONAS, AU
[72] KEIR, NANCY J, US
[72] MALTSEVA, INNA, US
[71] COOPERVISION INTERNATIONAL HOLDING COMPANY, LP, BB
[71] THE UNIVERSITY OF MELBOURNE, AU
[85] 2020-09-04
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[54] **SPRAY NOZZLE FOR AN INHALATION DEVICE**
[54] **EMBOUT DE PULVERISATION POUR DISPOSITIF D'INHALATION**
[72] BARTELS, FRANK, DE
[72] RAWERT, JURGEN, DE
[71] SOFTHALE NV, BE
[85] 2020-09-04
[86] 2019-03-19 (PCT/EP2019/056844)
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[54] **DEPLOYABLE SPACECRAFT BODY**
[54] **CORPS D'ENGIN SPATIAL DEPLOYABLE**
[72] LAWTON, MICHAEL DAVID, GB
[72] YOU, ZHONG, GB
[72] FELLOWS, DEBORAH, GB
[71] OXFORD SPACE SYSTEMS LIMITED, GB
[85] 2020-09-04
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[54] **METHOD AND DEVICE FOR TREATMENT OF LIQUID HYDROCARBONS**
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT D'HYDROCARBURES LIQUIDES**
[72] GUENTHER, THOMAS ANDREAS, ES
[71] GUSHER MANAGEMENT S.L., ES
[85] 2020-09-04
[86] 2018-05-30 (PCT/EP2018/064235)
[87] (WO2019/170263)
[30] AU (2018201581) 2018-03-05

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[25] EN
[54] **A METHOD OF DETECTING MAGEA4**
[54] **PROCEDE DE DETECTION DE MAGEA4**
[72] WILLIAMS, AMANDA, GB
[71] IMMUNOCORE LIMITED, GB
[85] 2020-09-04
[86] 2019-03-07 (PCT/GB2019/050640)
[87] (WO2019/171064)
[30] GB (1803750.7) 2018-03-08

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[25] EN
[54] **HEAD-MOUNTED DISPLAY AND METHOD TO REDUCE VISUALLY INDUCED MOTION SICKNESS IN A CONNECTED REMOTE DISPLAY**
[54] **VISIOCASQUE ET PROCEDE POUR REDUIRE LE MAL DES TRANSPORTS INDUIT VISUELLEMENT DANS UN AFFICHAGE A DISTANCE CONNECTE**
[72] ARAUJO, JOSE, SE
[72] GRANCHAROV, VOLODYA, SE
[72] BERNDTSSON, GUNILLA, SE
[72] HARI HARAN, ALVIN JUDE, US
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2020-09-04
[86] 2018-06-04 (PCT/EP2018/064592)
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[30] US (62/649,106) 2018-03-28

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[51] **Int.Cl. H01Q 3/26 (2006.01) H04W 56/00 (2009.01)**
[25] EN
[54] **METHOD OF PROVIDING TIME ALIGNMENT BETWEEN PHASED ARRAYS FOR COMBINED OPERATION**
[54] **PROCEDE DE FOURNITURE D'ALIGNEMENT TEMPOREL ENTRE DES RESEAUX A COMMANDE DE PHASE POUR FONCTIONNEMENT COMBINE**
[72] SZCZEPANIK, JOHN-PAUL, GB
[72] SCHRYBER, PHILIP, GB
[71] HANWHA PHASOR LTD., GB
[85] 2020-09-04
[86] 2019-03-07 (PCT/GB2019/050642)
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[30] GB (1803660.8) 2018-03-07

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[51] **Int.Cl. B28B 7/00 (2006.01) B28B 17/00 (2006.01)**
[25] EN
[54] **FORMWORK ASSEMBLY**
[54] **AGENCEMENT DE COFFRAGE**
[72] STOFNER, HELMUT, IT
[72] STUFLESSER, ALEXANDER, IT
[71] PROGRESS HOLDING A.G., IT
[85] 2020-09-04
[86] 2019-02-26 (PCT/EP2019/054746)
[87] (WO2019/170477)
[30] AT (A 50184/2018) 2018-03-06

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[25] EN
[54] **PROCESS FOR THE PREPARATION OF POLYMORPH FORM B OF TREPROSTINIL DIETHANOLAMINE SALT**
[54] **PROCEDE DE PREPARATION DE FORME POLYMORPHE B DE SEL DE TREPROSTINIL DIETHANOLAMINE**
[72] HORTOBAGYI, IREN, HU
[72] LASZLOFI, ISTVAN, HU
[72] VARGA, ZOLTAN, HU
[72] JUHASZ, IMRE, HU
[72] RITZ, IMOLA, HU
[72] KARDOS, ZSUZSANNA, HU
[71] CHINOIN GYOGYSZER ES VEGYESZETI TERMEKEK GYARA ZRT., HU
[85] 2020-09-04
[86] 2019-03-07 (PCT/HU2019/050007)
[87] (WO2019/171093)
[30] HU (P1800089) 2018-03-09

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[51] **Int.Cl. E03C 1/126 (2006.01) E03C 1/28 (2006.01)**
[25] EN
[54] **SELF-DISINFECTING WATER TRAP**
[54] **PIEGE A EAU AUTO-DESINFECTANT**
[72] TERKELSEN, JORN, DK
[71] DOLPHIN CARE APS, DK
[85] 2020-09-04
[86] 2019-03-22 (PCT/EP2019/057214)
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[30] EP (18166890.6) 2018-04-11

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[51] **Int.Cl. B23K 26/352 (2014.01) B23K 26/082 (2014.01) B23K 26/356 (2014.01) B08B 7/00 (2006.01) B23K 26/03 (2006.01) B23K 26/04 (2014.01) B23K 26/36 (2014.01)**
[25] EN
[54] **HANDHELD PULSED LASER DEVICE FOR CLEANING OR TREATING A SURFACE**
[54] **DISPOSITIF A LASER PULSE PORTATIF POUR LE NETTOYAGE OU LE TRAITEMENT D'UNE SURFACE**
[72] PHILIPPRON, JEAN CLAUDE MARIE, BE
[71] P-LASER N.V., BE
[85] 2020-09-04
[86] 2018-03-15 (PCT/IB2018/051747)
[87] (WO2018/167712)
[30] NL (2018518) 2017-03-15

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[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **ANTAGONISTIC ANTIGEN BINDING PROTEINS**
[54] **PROTEINES DE LIAISON A UN ANTIGENE ANTAGONISTES**
[72] NICOSIA, ALFREDO, IT
[72] ZAMBRANO, NICOLA, IT
[72] SASSO, EMANUELE, IT
[72] DE LORENZO, CLAUDIA, IT
[71] KEIRES AG, CH
[85] 2020-09-04
[86] 2019-03-22 (PCT/EP2019/057239)
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[51] **Int.Cl. F02M 61/14 (2006.01) B25B 27/00 (2006.01)**
[25] EN
[54] **HANDLING TOOL**
[54] **OUTIL DE MANIPULATION**
[72] MOULTON, JONATHAN, GB
[72] JACOBS, LEE RAYMOND, GB
[71] DELPHI TECHNOLOGIES IP LIMITED, BB
[85] 2020-09-04
[86] 2019-02-27 (PCT/EP2019/054908)
[87] (WO2019/174919)
[30] GB (1804279.6) 2018-03-16

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[51] **Int.Cl. B01D 65/02 (2006.01)**
[25] EN
[54] **METHOD FOR CLEANING A MEMBRANE FILTER USING ULTRASOUND AND BACKWASH PULSES AND DEVICE ADAPTED THEREFOR**
[54] **PROCEDE DE NETTOYAGE D'UN FILTRE A MEMBRANE A L'AIDE D'ULTRASONS ET D'IMPULSIONS DE LAVAGE A CONTRE-COURANT ET DISPOSITIF ADAPTE A CET EFFET**
[72] AHO, SIMO, FI
[72] HAKALA, VILLE, FI
[71] SOFI FILTRATION OY, FI
[85] 2020-09-04
[86] 2019-03-01 (PCT/FI2019/050166)
[87] (WO2019/170958)
[30] FI (20185214) 2018-03-08

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[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING ANIMAL BEHAVIORAL PHENOTYPES**
[54] **SYSTEME ET PROCEDE POUR DETERMINER DES PHENOTYPES COMPORTEMENTAUX D'UN ANIMAL**
[72] HUISMA, CAMIEL, CA
[72] SUNSTRUM, ALISON, CA
[71] GROWSAFE SYSTEMS LTD., CA
[85] 2020-09-04
[86] 2019-03-13 (PCT/IB2019/000247)
[87] (WO2019/175666)
[30] US (62/642,109) 2018-03-13

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[25] FR
[54] **APPARATUS FOR TRAPPING HARMFUL FLYING INSECTS AND METHOD FOR COUNTING TRAPPED INSECTS**
[54] **APPAREIL POUR PRENDRE AU PIEGE DES INSECTES VOLANTS NUISIBLES ET PROCEDE DE COMPTAGE DES INSECTES PIEGES**
[72] BELLAGAMBI, PIERRE, FR
[72] LILLAMAND, SIMON, FR
[71] TECHNO BAM, FR
[85] 2020-09-04
[86] 2019-03-05 (PCT/FR2019/050485)
[87] (WO2019/170996)
[30] FR (1851929) 2018-03-06

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[51] **Int.Cl. E04B 1/36 (2006.01) F16F 1/18 (2006.01)**
[25] EN
[54] **A SPACER FOR FIXATION TO A CONSTRUCTION ELEMENT, FOR MAINTAINING A RELATIVE DISTANCE TO ANOTHER CONSTRUCTION ELEMENT, AND FOR RESTRICTING A MOVEMENT ABOUT A POSITION RELATIVE TO ANOTHER CONSTRUCTION ELEMENT**
[54] **ELEMENT D'ESPACEMENT DESTINE A ETRE FIXE A UN ELEMENT DE CONSTRUCTION PERMETTANT DE MAINTENIR UNE DISTANCE PAR RAPPORT A UN AUTRE ELEMENT DE CONSTRUCTION ET PERMETTANT DE RESTREINDRE UN MOUVEMENT AUTOUR D'UNE POSITION PAR RAPPORT A UN AUTRE ELEMENT DE CONSTRUCTION**
[72] BOSHOVE, TWAN, NL
[72] JAGER, MARCEL, NL
[71] PR LICENSING B.V., NL
[85] 2020-09-04
[86] 2019-03-05 (PCT/EP2019/055375)
[87] (WO2019/170630)
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[25] EN
[54] **COMPOSITIONS FOR TREATMENT AND METHODS FOR MAKING AND USING THE SAME**
[54] **COMPOSITIONS POUR TRAITEMENT ET PROCEDES DE PRODUCTION ET D'UTILISATION DE CELLES-CI**
[72] FARVID, SHOKOUH, US
[72] OMIDBAKHSH, NAVID, US
[72] NOWRUZI, KEYVAN, US
[71] ASP GLOBAL MANUFACTURING GMBH, CH
[85] 2020-09-04
[86] 2019-06-26 (PCT/IB2019/000845)
[87] (WO2020/003007)
[30] US (62/691,224) 2018-06-28

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[51] **Int.Cl. G01N 1/40 (2006.01) G01N 1/34 (2006.01)**
[25] EN
[54] **METHOD FOR THE EXTRACTION AND THE DETERMINATION OF MICROPLASTICS IN SAMPLES WITH ORGANIC AND INORGANIC MATRICES**
[54] **PROCEDE D'EXTRACTION ET DE DETERMINATION DE MICROPLASTIQUES DANS DES ECHANTILLONS AVEC DES MATRICES ORGANIQUES ET INORGANIQUES**
[72] FERRANTE, MARGHERITA ANNA LETIZIA, IT
[72] OLIVERI CONTI, GEA MARZIA STEFANIA, IT
[72] ZUCCARELLO, PIETRO, IT
[71] FERRANTE, MARGHERITA ANNA LETIZIA, IT
[71] OLIVERI CONTI, GEA MARZIA STEFANIA, IT
[71] ZUCCARELLO, PIETRO, IT
[85] 2020-09-04
[86] 2019-03-07 (PCT/IB2019/051838)
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[30] IT (102018000003337) 2018-03-07

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[51] **Int.Cl. G01N 33/53 (2006.01) C07K 16/18 (2006.01) G01N 33/543 (2006.01)**
[25] EN
[54] **ASSAYS TO DETECT NEURODEGENERATION**
[54] **DOSAGES POUR DETECTER LA NEURODEGENERESCENCE**
[72] TRIANA-BALTZER, GALLEN, US
[72] KOLB, HARTMUTH CHRISTIAN, US
[72] SLEMMON, JOHN RANDALL, US
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2020-09-04
[86] 2019-03-04 (PCT/IB2019/051747)
[87] (WO2019/171258)
[30] US (62/638,524) 2018-03-05

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[51] **Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **ANTI-PHF-TAU ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS ANTI-PHF-TAU ET LEURS UTILISATIONS**
[72] BARONE, LINDA, US
[72] VAN KOLEN, KRISTOF, BE
[72] MERCKEN, MARC, BE
[72] LACY, EILYN R., US
[72] NANJUNDA, RUPESH, US
[72] WHEELER, JOHN, US
[72] LUO, JINQUAN, US
[72] BORGERS, MARIANNE, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2020-09-04
[86] 2019-03-04 (PCT/IB2019/051748)
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[51] **Int.Cl. C08L 61/06 (2006.01) C08G 8/10 (2006.01) C08G 8/36 (2006.01) C08K 3/32 (2006.01) C08K 5/053 (2006.01)**
[25] EN
[54] **CATALYST SYSTEM FOR CURING PHENOLIC RESOLE RESINS**
[54] **SYSTEME CATALYSEUR POUR LE DURCISSEMENT DE RESINES RESOL PHENOLIQUES**
[72] SOMPALLI, KRISHNAMA NAIDU, IN
[72] NARASIMHAN, SRINIVASAN, IN
[71] HEXION INC., US
[85] 2020-09-04
[86] 2019-03-06 (PCT/IN2019/050190)
[87] (WO2019/171399)
[30] IN (201821008160) 2018-03-06

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[51] **Int.Cl. B60Q 1/30 (2006.01) B60J 5/10 (2006.01) B60Q 1/22 (2006.01)**
[25] EN
[54] **LOW PROFILE REAR LAMP APPLIQUE ASSEMBLY**
[54] **ENSEMBLE APPLIQUE DE LAMPE ARRIERE A PROFIL BAS**
[72] COBB, BRIAN M., US
[71] MAGNA EXTERIORS INC., CA
[85] 2020-09-04
[86] 2019-03-06 (PCT/IB2019/051827)
[87] (WO2019/171305)
[30] US (62/639,268) 2018-03-06
[30] US (62/757,527) 2018-11-08

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[51] **Int.Cl. C25B 11/04 (2006.01) C25B 1/04 (2006.01) C25B 11/06 (2006.01) C25B 11/08 (2006.01)**
[25] EN
[54] **ELECTROLYSIS ELECTRODE AND METHOD FOR MANUFACTURING SAME**
[54] **ELECTRODE D'ELECTROLYSE ET SON PROCEDE DE FABRICATION**
[72] MITSUSHIMA, SHIGENORI, JP
[72] KURODA, YOSHIYUKI, JP
[72] NAGASHIMA, IKUO, JP
[72] TANIGUCHI, TATSUYA, JP
[72] NISHIKI, YOSHINORI, JP
[72] KATO, AKIHIRO, JP
[72] ZAENAL, AWALUDIN, JP
[72] TSUJII, FUMIYA, JP
[72] NAKAI, TAKAAKI, JP
[71] DE NORA PERMELEC LTD, JP
[71] NATIONAL UNIVERSITY CORPORATION YOKOHAMA NATIONAL UNIVERSITY, JP
[71] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[85] 2020-09-04
[86] 2019-03-04 (PCT/JP2019/008289)
[87] (WO2019/172160)
[30] JP (2018-040569) 2018-03-07

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[13] A1
[51] **Int.Cl. H04N 19/119 (2014.01) H04N 19/157 (2014.01) H04N 19/176 (2014.01)**
[25] EN
[54] **ENCODER, DECODER, ENCODING METHOD, AND DECODING METHOD**
[54] **DISPOSITIF ET PROCEDE DE CODAGE, DISPOSITIF ET PROCEDE DE DECODAGE**
[72] SHASHIDHAR, SUGHOSH PAVAN, SG
[72] SUN, HAI WEI, SG
[72] LIM, CHONG SOON, SG
[72] LIAO, RU LING, SG
[72] TEO, HAN BOON, SG
[72] LI, JING YA, SG
[72] NISHI, TAKAHIRO, JP
[72] ABE, KIYOFUMI, JP
[72] KANOH, RYUICHI, JP
[72] TOMA, TADAMASA, JP
[71] PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, US
[85] 2020-09-04
[86] 2019-03-04 (PCT/JP2019/008468)
[87] (WO2019/172203)
[30] US (62/638,620) 2018-03-05

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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING OR PREVENTING HETEROTOPIC OSSIFICATION**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT OU LA PREVENTION DE L'OSSIFICATION HETEROTOPIQUE**
[72] KATAGIRI, TAKENOBU, JP
[72] TSUKAMOTO, SHO, JP
[72] KUMAGAI, KEIGO, JP
[72] TSUJI, SHINNOSUKE, JP
[71] SAITAMA MEDICAL UNIVERSITY, JP
[85] 2020-09-04
[86] 2019-03-04 (PCT/JP2019/008319)
[87] (WO2019/172165)
[30] JP (2018-039066) 2018-03-05

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[51] **Int.Cl. A61K 31/165 (2006.01) C07K 16/00 (2006.01) C12Q 1/48 (2006.01) C12Q 1/68 (2018.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING AND TREATING ENDOMETRIOSIS**
[54] **METHODES POUR DETECTER ET TRAITER L'ENDOMETRIOSE**
[72] METZ, CHRISTINE, US
[72] GREGERSEN, PETER K., US
[72] WARREN, LAURA, US
[71] THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH, US
[85] 2020-09-04
[86] 2019-03-06 (PCT/US2019/020868)
[87] (WO2019/173418)
[30] US (62/639,112) 2018-03-06

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[51] **Int.Cl. C08C 19/25 (2006.01) C08K 3/013 (2018.01) C08F 297/02 (2006.01) C08K 3/04 (2006.01) C08K 3/36 (2006.01) C08K 5/5419 (2006.01) C08L 9/06 (2006.01) C08L 15/00 (2006.01) C08L 21/00 (2006.01)**
[25] EN
[54] **MODIFIED LIQUID DIENE POLYMER AND RUBBER COMPOSITION**
[54] **POLYMERE MODIFIE DE DIENE LIQUIDE, ET COMPOSITION DE CAOUTCHOUC**
[72] OHTA, SATOMI, JP
[72] KANBARA, HIROSHI, JP
[72] KODA, DAISUKE, JP
[71] KURARAY CO., LTD., JP
[85] 2020-09-04
[86] 2019-03-04 (PCT/JP2019/008405)
[87] (WO2019/172185)
[30] JP (2018-040832) 2018-03-07
[30] JP (2018-073362) 2018-04-05

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[51] **Int.Cl. B65B 1/30 (2006.01) A61J 3/00 (2006.01)**
[25] EN
[54] **INDIVIDUAL PACKAGING DEVICE FOR TABLETS**
[54] **DISPOSITIF D'EMBALLAGE INDIVIDUEL POUR COMPRIMES**
[72] TAKADA, YASUYUKI, JP
[72] IWATANI, TAKASHI, JP
[71] YUYAMA MFG. CO., LTD., JP
[85] 2020-09-04
[86] 2019-03-06 (PCT/JP2019/008885)
[87] (WO2019/172317)
[30] JP (2018-042611) 2018-03-09

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[51] **Int.Cl. A61K 31/519 (2006.01) A61K 31/7068 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR TREATING ALZHEIMER'S DISEASE**
[54] **COMPOSES POUR LE TRAITEMENT DE LA MALADIE D'ALZHEIMER**
[72] GARNIER, PATRICE, IT
[72] DANCHIN, ANTOINE, FR
[71] AMABIOTICS, FR
[85] 2020-09-04
[86] 2019-03-07 (PCT/EP2019/055780)
[87] (WO2019/170834)
[30] EP (18305245.5) 2018-03-07

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[13] A1
[51] **Int.Cl. H04W 16/18 (2009.01) H04W 84/06 (2009.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PLANNING HIGH ALTITUDE PLATFORM-BASED COMMUNICATION NETWORKS**
[54] **SYSTEMES ET PROCEDES DE PLANIFICATION DE RESEAUX DE COMMUNICATION BASES SUR UNE PLATE-FORME A HAUTE ALTITUDE**
[72] CANDIDO, SALVATORE J., US
[72] HUNG, WANDA, US
[71] LOON LLC, US
[85] 2020-09-04
[86] 2019-03-05 (PCT/US2019/020694)
[87] (WO2019/173295)
[30] US (15/915,049) 2018-03-07

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[13] A1
[51] **Int.Cl. B62D 55/088 (2006.01)**
[25] EN
[54] **SHIELD FOR DRIVE MOTOR**
[54] **ECRAN DE MOTEUR D'ENTRAINEMENT**
[72] TOKACH, THOMAS J., US
[72] KRIEGER, DANIEL J., US
[71] CLARK EQUIPMENT COMPANY, US
[85] 2020-09-04
[86] 2019-03-07 (PCT/US2019/021158)
[87] (WO2019/173594)
[30] US (62/639,682) 2018-03-07

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[13] A1
[51] **Int.Cl. A47C 27/00 (2006.01) A47C 27/04 (2006.01) A47C 27/05 (2006.01) A47C 27/06 (2006.01)**
[25] EN
[54] **MATTRESS ASSEMBLY AND METHOD**
[54] **ENSEMBLE MATELAS ET PROCEDE**
[72] ALLETTO, EUGENE JR., US
[71] BEDGEAR, LLC, US
[85] 2020-09-04
[86] 2019-03-05 (PCT/US2019/020707)
[87] (WO2019/173305)
[30] US (62/639,223) 2018-03-06

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[13] A1
[51] **Int.Cl. F16C 27/02 (2006.01)**
[25] EN
[54] **RADIAL FOIL BEARING**
[54] **PALIER RADIAL A FEUILLES**
[72] OMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP
[85] 2020-09-04
[86] 2019-03-07 (PCT/JP2019/009066)
[87] (WO2019/172370)
[30] JP (2018-041245) 2018-03-07

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[51] **Int.Cl. F16C 27/02 (2006.01)**
[25] EN
[54] **RADIAL FOIL BEARING**
[54] **PALIER A FEUILLE RADIALE**
[72] OMORI, NAOMICHI, JP
[71] IHI CORPORATION, JP
[85] 2020-09-04
[86] 2019-03-07 (PCT/JP2019/009119)
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[54] **CHEMO-ENZYMATIC SYNTHESIS OF LIRAGLUTIDE, SEMAGLUTIDE AND GLP-1**
[54] **SYNTHESE CHIMIO-ENZYMATIQUE DE LIRAGLUTIDE, DE SEMAGLUTIDE ET DE GLP-1**
[72] QUAEDFLIEG, PETER JAN LEONARD MARIO, NL
[72] TOPLAK, ANA, NL
[72] NUIJENS, TIMO, NL
[71] ENZYPEP B.V., NL
[85] 2020-09-04
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[25] EN
[54] **METHOD FOR PRODUCING NI/CO SULFIDE AND SYSTEM FOR STABILIZING IRON GRADE**
[54] **METHODE DE PRODUCTION DE SULFURE DE NI/CO ET SYSTEME DE STABILISATION DE TENEUR EN FER**
[72] SUZUKI, YUKINORI, JP
[72] SAITO, DAISUKE, JP
[72] OISHI, TAKAO, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2020-09-04
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[54] **DATA GATHERING, ANALYSIS, SCORING, AND RECOMMENDATION SYSTEM FOR COMMUTING**
[54] **SYSTEME DE COLLECTE, D'ANALYSE, DE NOTATION DE DONNEES, ET DE RECOMMANDATION DE NAVETTE**
[72] SCHMELZER, RICH, US
[72] SANCHEZ, ESTEBAN, CA
[71] SCHMELZER, RICH, US
[71] SANCHEZ, ESTEBAN, CA
[85] 2020-09-04
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[54] **ANTENNA UNIT, ANTENNA UNIT-ATTACHED WINDOW GLASS, AND MATCHING BODY**
[54] **UNITE D'ANTENNE, VITRE DE FENETRE EQUIPEE D'UNE UNITE D'ANTENNE, ET CORPS D'ADAPTATION**
[72] HORIE, MASAKI, JP
[72] SONODA, RYUTA, JP
[72] TAKAHASHI, YUKIO, JP
[71] AGC INC., JP
[71] AGC GLASS EUROPE, BE
[71] AGC FLAT GLASS NORTH AMERICA, INC., US
[71] AGC VIDROS DO BRASIL LTDA., BR
[85] 2020-09-04
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[54] **SPLIT TAPERED ROLLER BEARING**
[54] **ROULEMENT A ROULEAUX CONIQUES FENDUS**
[72] DENT, NICK, GB
[72] WERNER, BRIAN, US
[72] WILMER, MATTHEW, US
[72] HAGER, CARL H., US
[72] STANCIU, DANIEL F., RO
[71] THE TIMKEN COMPANY, US
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[25] EN
[54] **TECHNIQUES FOR OBTAINING ACCURATE DIAGONAL ELECTRONIC STRUCTURE HAMILTONIANS**
[54] **TECHNIQUES D'OBTENTION D'HAMILTONIENS A STRUCTURE ELECTRONIQUE DIAGONALE PRECISE**
[72] BABBUSH, RYAN, US
[72] MCCLEAN, JARROD RYAN, US
[71] GOOGLE LLC, US
[85] 2020-09-04
[86] 2018-08-10 (PCT/US2018/046249)
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[54] **SYSTEMS AND METHODS FOR IMPROVED PAIN RELIEF FROM STIMULATION OF THERMAL FIBERS**
[54] **SYSTEMES ET METHODES PERMETTANT UN SOULAGEMENT AMELIORE DE LA DOULEUR EMANANT DE LA STIMULATION DE FIBRES THERMIQUES**
[72] STEPHAN, ALLAN, US
[72] PROFIT, JACK, US
[72] CHABAL, CHARLES, US
[72] DUNBAR, PETER J., US
[71] SOOVU LABS, INC., US
[71] CHABAL, CHARLES, US
[71] DUNBAR, PETER J., US
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[54] **INDUCTIVE SENSOR DEVICE WITH REFERENCE SENSOR**
[54] **DISPOSITIF DE TYPE CAPTEUR INDUCTIF COMPRENANT UN CAPTEUR DE REFERENCE**
[72] IVES, PHILIP H., US
[71] RAYTHEON COMPANY, US
[85] 2020-09-04
[86] 2018-11-13 (PCT/US2018/060618)
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[54] **DATA PROCESSING APPARATUS FOR DETERMINING AUTHENTICATION DATA FOR AUTHENTICATING AN OBJECT**
[54] **APPAREIL DE TRAITEMENT DE DONNEES DESTINE A DETERMINER DES DONNEES D'AUTHENTIFICATION POUR AUTHENTIFIER UN OBJET**
[72] LAX, CRAIG ELLIS, GB
[72] LAX, SANDFORD ELLIS, GB
[71] SEPTILLION TECHNOLOGIES LIMITED, GB
[85] 2020-09-04
[86] 2019-03-04 (PCT/GB2019/050593)
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[25] FR
[54] **GASTROPROTECTED, HYDROPHOBIC FORMULATION OF AT LEAST ONE ACTIVE PRINCIPLE AND METHOD FOR OBTAINING SAME**
[54] **FORMULATION GASTRO-PROTEGEE ET HYDROPHOBE D'AU MOINS UN PRINCIPE ACTIF ET PROCEDE D'OBTENTION**
[72] IOUALALEN, KARIM, FR
[72] RAYNAL, ROSE-ANNE, FR
[72] RAYNAL, ROSE-ANNE, FR
[71] IOUALALEN, KARIM, FR
[71] RAYNAL, ROSE-ANNE, FR
[85] 2020-09-04
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[54] **CALIBRATION BIAS REDUCTION IN A PRESSURIZED GAS ION CHAMBER-BASED DOSE CALIBRATOR**
[54] **REDUCTION DU BIAIS D'ETALONNAGE DANS UN ETALONNEUR DE DOSE A CHAMBRE D'IONISATION SOUS PRESSION**
[72] BHATTACHARYA, MANOJEET, US
[71] SIEMENS MEDICAL SOLUTIONS USA, INC., US
[85] 2020-09-04
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[54] **PORTABLE COMBUSTION SYSTEM WITH FIRST AND SECOND AIR SOURCES**
[54] **SYSTEME DE COMBUSTION PORTABLE AVEC DES PREMIERE ET SECONDE SOURCES D'AIR**
[72] RAGNARSSON, ANDERS, US
[71] TIGERCAT INDUSTRIES INC., CA
[85] 2020-09-04
[86] 2019-03-05 (PCT/US2019/020722)
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[54] **SYSTEM AND METHOD FOR GRADING AND SCORING FOOD**
[54] **SYSTEME ET PROCEDE DE CLASSEMENT ET DE NOTATION D'ALIMENTS**
[72] DOBLE, DANIEL E., US
[72] BALSELLS, PETER B., US
[71] EVERYTHING FOOD, INC., US
[85] 2020-09-04
[86] 2019-03-07 (PCT/US2019/021211)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR TREATMENT OF INSULIN RESISTANCE**
[54] **COMPOSITIONS ET METHODES DE TRAITEMENT DE LA RESISTANCE A L'INSULINE**
[72] MERALI, SALIM, US
[72] BARRERO, CARLOS A., US
[72] CHILDERS, WAYNE E., US
[72] MORTON, GEORGE C., US
[71] TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
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[54] **MACROCYCLIC LIGANDS WITH PENDANT CHELATING MOIETIES AND COMPLEXES THEREOF**
[54] **LIGANDS MACROCYCLIQUES AYANT DES FRACTIONS CHELATANTES PENDANTES ET LEURS COMPLEXES**
[72] TATUM, DAVID, US
[72] XU, JIDE, US
[72] MAGDA, DARREN, US
[72] BUTLIN, NATHANIEL, US
[71] LUMIPHORE, INC., US
[85] 2020-09-04
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[54] **IMPROVED SURGICAL CANNULAS**
[54] **CANULES CHIRURGICALES AMELIOREES**
[72] THAN, HUNG T., US
[71] MIKOL, EDWARD J., US
[85] 2020-09-04
[86] 2019-02-28 (PCT/US2019/019939)
[87] (WO2019/173099)
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[25] EN
[54] **SOLENOID OPERATED VALVE FOR REDUCING EXCESSIVE PIPING PRESSURE IN A FLUID DISTRIBUTION SYSTEM**
[54] **SOUPAPE ACTIONNEE PAR SOLENOIDE POUR REDUIRE UNE PRESSION EXCESSIVE DE CANALISATION DANS UN SYSTEME DE DISTRIBUTION DE FLUIDE**
[72] HAWKINS, JAMES C., US
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
[85] 2020-09-04
[86] 2019-03-01 (PCT/US2019/020181)
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[25] EN
[54] **THUMB-DOMINANT ULTRASOUND IMAGING SYSTEM**
[54] **SYSTEME D'IMAGERIE PAR ULTRASONS A POUCE DOMINANT**
[72] AKKARAJU, SANDEEP, US
[71] EXO IMAGING, INC., US
[85] 2020-09-03
[86] 2019-03-01 (PCT/US2019/020338)
[87] (WO2019/173152)
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[51] **Int.Cl. A61K 35/74 (2015.01) A61P 31/04 (2006.01)**
[25] EN
[54] **USE OF DIRECT-FED MICROBIALS IN PREVENTING AND/OR TREATING E. COLI-BASED INFECTIONS IN ANIMALS**
[54] **UTILISATION DE MICROBES POUR ALIMENTATION DIRECTE DANS LA PREVENTION ET/OU LE TRAITEMENT D'INFECTIONS A BASE D'E. COLI CHEZ L'ANIMAL**
[72] PARROTT, TERRY, US
[72] PAYLING, LAURA, NZ
[71] DUPONT NUTRITION BIOSCIENCES APS, DK
[85] 2020-09-04
[86] 2019-03-04 (PCT/US2019/020482)
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[54] **COGNITIVE SCREENS, MONITOR AND COGNITIVE TREATMENTS TARGETING IMMUNE-MEDIATED AND NEURO-DEGENERATIVE DISORDERS**
[54] **ECRANS COGNITIFS, MONITEUR ET TRAITEMENTS COGNITIFS CIBLANT DES TROUBLES A MEDIATION IMMUNITAIRE ET NEURODEGENERATIFS**
[72] HENNEMAND, VINCENT, US
[72] TREES, JASON DANIEL, US
[72] KELLOGG, SCOTT CHARLES, US
[72] POIRIER, GUILLAUME, US
[71] AKILI INTERACTIVE LABS, INC., US
[85] 2020-09-04
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[25] EN
[54] **METHODS OF USE OF SOLUBLE CD24 FOR TREATING ACQUIRED IMMUNE DEFICIENCY SYNDROME (HIV/AIDS)**
[54] **METHODES D'UTILISATION DE CD24 SOLUBLE POUR LE TRAITEMENT DU SYNDROME D'IMMUNODEFICIENCE ACQUISE (VIH/SIDA)**
[72] LIU, YANG, US
[72] ZHENG, PAN, US
[72] SU, LISHAN, US
[72] ZHENG, YONG-TANG, CN
[72] ZHANG, LIGUO, CN
[71] ONCOIMMUNE, INC., US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[71] INSTITUTE OF BIOPHYSICS, CHINESE ACADEMY OF SCIENCES, CN
[71] KUNMING INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES, CN
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[54] **PYRAMIDAL WALL SECTIONS**
[54] **SECTIONS DE PAROI PYRAMIDALE**
[72] JACQUES, JONATHAN, US
[71] JACQUES, JONATHAN, US
[85] 2020-09-04
[86] 2019-03-05 (PCT/US2019/020713)
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[25] EN
[54] **MACHINE LEARNING AND MOLECULAR SIMULATION BASED METHODS FOR ENHANCING BINDING AND ACTIVITY PREDICTION**
[54] **APPRENTISSAGE AUTOMATIQUE ET PROCEDES BASES SUR UNE SIMULATION MOLECULAIRE POUR AMELIORER LA PREVISION DE LIAISON ET D'ACTIVITE**
[72] FEINBERG, EVAN NATHANIEL, US
[72] PANDE, VIJAY SATYANAND, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
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[86] 2019-03-05 (PCT/US2019/020843)
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[25] EN
[54] **ASSET DISCOVERY USING NETWORK CONNECTIONS OF KNOWN ASSETS**
[54] **DECOUVERTE D'ACTIFS UTILISANT DES CONNEXIONS DE RESEAU D'ACTIFS CONNUS**
[72] AL KHATER, ALI ABDULADHEEM, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[25] EN
[54] **MULTI-CHANNEL LIGHTING FIXTURE HAVING MULTIPLE LIGHT-EMITTING DIODE DRIVERS**
[54]
[72] CHITTA, VENKATESH, US
[72] ABRAHAM, ARYA, US
[71] LUTRON TECHNOLOGY COMPANY LLC, US
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[54] **OCT IMAGE PROCESSING**
[54]
[72] FLEMING, ALAN DUNCAN, GB
[72] MUYO, GONZALO, GB
[72] VERHOEK, MICHAEL, GB
[71] OPTOS PLC, GB
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[54] **END EFFECTOR AND END EFFECTOR DRIVE APPARATUS**
[54] **EFFECTEUR TERMINAL ET APPAREIL D'ENTRAINEMENT D'EFFECTEUR TERMINAL**
[72] KIM, DANIEL H., US
[72] SHIN, DONG SUK, US
[72] JANG, TAEHO, US
[72] PARK, YONGMAN, US
[72] LEE, JEIHAN, US
[72] KIM, HONGMIN, US
[72] NAM, KIHOON, US
[72] HAN, SEOKYUNG, US
[71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
[71] COLUBRISMX, INC, US
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[54] **COMPOSITIONS COMPRISING 2,3,3,3-TETRAFLUOROPROPENE, 1,1,2,3-TETRACHLOROPROPENE, 2-CHLORO-3,3,3-TRIFLUOROPROPENE, OR 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE**
[54] **COMPOSITIONS COMPRENANT DU 2,3,3,3-TETRAFLUOROPROPENE, DU 1,1,2,3-TETRACHLOROPROPENE, DU 2-CHLORO-3,3,3-TRIFLUOROPROPENE, OU DU 2-CHLORO-1,1,1,2-TETRAFLUOROPROPANE**
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[71] THE CHEMOURS COMPANY FC, LLC, US
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[54] **PRODUCTION DE DIESEL A PARTIR DE LA BIOMASSE CELLULOSIQUE**
[72] MILOSEVIC, VESELIN, CA
[71] CELLUFUEL INC., CA
[22] 2018-07-03
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[62] 3,010,168
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[54] **FLEXIBLE LIGHT BAR**
[54]
[72] ELWELL, JAMES P., US
[72] XIAOJUN, TIAN, CN
[71] PUTCO, INC., US
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[25] EN
[54] **THERAPEUTIC NUCLEASE COMPOSITIONS AND METHODS**
[54]
[72] LEDBETTER, JEFFREY A., US
[72] HAYDEN-LEDBETTER, MARTHA, US
[72] ELKON, KEITH, US
[72] SUN, XIZHANG, US
[71] UNIVERSITY OF WASHINGTON, US
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[54] **COMPOSITIONS PROBIOTIQUES ET PROCEDES DE TRAITEMENT DE L'OBESITE ET DES AFFECTIONS ASSOCIEES A L'OBESITE**
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[72] DEEDRICH, DENNIS M., US
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Index of Canadian Patents Issued

September 29, 2020

Index des brevets canadiens délivrés

29 septembre 2020

Index of Canadian Patents Issued
September 29, 2020

Index des brevets canadiens délivrés
29 septembre 2020

Index of Canadian Patents Issued
September 29, 2020

Index des brevets canadiens délivrés
29 septembre 2020

Index of Canadian Patents Issued
September 29, 2020

Index of Canadian Applications Open to Public Inspection

September 13, 2020 to September 19, 2020

Index des demandes canadiennes mises à la disponibilité du public

13 septembre 2020 au 19 septembre 2020

Index des demandes canadiennes mises à la disponibilité du public
13 septembre 2020 au 19 septembre 2020

Index of Canadian Applications Open to Public Inspection
September 13, 2020 to September 19, 2020

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

Index of PCT Applications Entering the National Phase

Index des demandes PCT entrant en phase nationale

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

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

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