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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

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

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

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

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

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

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

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

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

Avis

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

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

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

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

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

2. Country Code

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

2. Code des pays

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

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

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

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

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

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

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

4. Orders for Patents by Class or Sub-Class

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

4. Commande de brevets par classe ou sous-classe

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

5. Advice on Making a Patent Application

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

5. Conseils relatifs à la préparation de demandes de brevets

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

6. Licensing of Patents

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

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

6. Octroi de licences en vertu des brevets

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

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

7. Patents Available for Licence or Sale

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

7. Brevets disponibles pour licence ou vente

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

8. List of Patents Available for Licence or Sale

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

None

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

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

Aucun

9. Applications Open to Public Inspection

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

9. Demandes mises à la disponibilité du public

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

10. Language of Published Documents

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

10. Langue du document publié

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

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

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

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

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

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

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

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

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

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

4. Late payment fee

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

Preliminary Examination

5. **Handling fee** (Rule 57.2(*a*)) **$295**

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

* International fees will be reduced by:

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

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

4. Taxe pour paiement tardif

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

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **295 $**

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

* Les frais seront réduits de:

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

12. PCT Notices

Patent Cooperation Treaty (PCT)

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

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

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

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

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

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

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

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

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

13. Practice Notice

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

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

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

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

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

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

13. Énoncé de pratique

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

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

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

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

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

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

Offices.

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

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

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

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

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

14. Correspondence Procedures

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

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

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

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

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

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14. Procédures de correspondance

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

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

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

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

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

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

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

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

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

1. Physical Delivery of Correspondence and Written Communications to CIPO

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

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

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

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

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

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

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

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

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

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

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

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

Le formulaire de paiements des frais devrait toujours être

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

Download the Fee Payment Form.

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

Téléchargez le formulaire de paiement des frais.

1.1 Designated Establishments

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

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

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

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

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

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

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

1.1 Établissements désignés

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

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

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

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

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

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

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

except statutory holiday

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

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

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

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

l'exception des jours fériés

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Electronic Correspondence

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

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

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

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

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

2. Correspondance électronique

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

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

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

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

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

open for business.

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

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

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

2.1 Facsimile

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

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

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

(819) 934-3833

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

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

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

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

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

2.1 Correspondance par télécopieur

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

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

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

(819) 934-3833

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

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

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

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

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

Patents

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

Brevets

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

2.2 Online

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

2.2 En ligne

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

Patents

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

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

Brevets

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

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

Canada as Receiving Office Under the PCT: PCT-SAFE

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

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

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

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

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

Trademarks

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

Marques de commerce

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

accessing the following pages:

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

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

Opposition proceedings before the Trademarks Opposition Board

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

Section 45 proceedings before the Trademarks Opposition Board

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

:

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

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

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

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

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

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

Notices

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

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

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

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

Industrial Designs

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

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

Dessins industriels

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

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

Integrated Circuit Topographies

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

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

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

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

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

2.3 Supports électroniques

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

Brevets

Patents

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electronic Media accepted by the Patent Office

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

Trademarks and Industrial Design

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

Supports électroniques acceptés par le Bureau des brevets

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

Marques de commerce et dessins industriels

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

3. Details Concerning the Electronic Formats Accepted

Patents

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

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

When applicable, the Patent Office will accept files in the

3. Précisions concernant les formats électroniques acceptés

Brevets

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

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

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

TIFF Format:

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

PDF Format:

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

ASCII

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

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

Format TIFF

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

Format PDF

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

ASCII

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

Trademarks

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

Industrial Design

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

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

Marques de commerce

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

Dessins industriels

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

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

4. General Information

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

4. Renseignements généraux

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

5. Time Period Extensions

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

5. Prorogation des délais

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Copyright and Integrated Circuit Topography Acts

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

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

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

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

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

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

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

Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Time period extensions under the Madrid Protocol and the Hague Agreement

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

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

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

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

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

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible sur le site web de l'OMPI.

6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to service interruptions on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in section 2.2 of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre page d'interruptions des services, lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC^, par Xpresspost^MC^ ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 des présentes procédures de correspondance. Il est toujours

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA[MC], Mastercard[MC] ou American Express[MC] ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
- Règles sur les brevets

- Patent Rules
- Regulations under the PCT
- Trademarks Act
- Trademarks Regulations

- Règlement d'exécution du PCT
- Loi sur les marques de commerce
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of June 28, 2022 contains applications open to public inspection from June 12, 2022 to June 18, 2022.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 28 juin 2022 contient les demandes disponibles au public pour consultation pour la période du 12 juin 2022 au 18 juin 2022.

Canadian Patents Issued

June 28, 2022

Brevets canadiens délivrés

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[72] MERLO, ANN OWENS, US
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[54] **UTILISATION DE BIOMARQUEURS POUR EVALUER LA TRANSITION PRECOCE DE L'HYPERTENSION ARTERIELLE A L'INSUFFISANCE CARDIAQUE**
[72] WIENHUES-THELEN, URSULA-HENRIKE, DE
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[72] HUDIG, HENDRIK, DE
[72] VOGEL-ZIEBOLZ, SABINE, DE
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[54] **SYSTEM, COMPUTER PROGRAM, AND METHOD FOR ONLINE, REAL-TIME DELIVERY OF CONSUMER TAX SERVICES**
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[54] **METHODE, PROCEDE ET APPAREIL D'ASSEMBLAGE D'UN PLAN D'ENREGISTREMENT ET DE DIALOGUES GUIDES PAR DES DONNEES POUR LES COMMUNICATIONS AUTOMATISEES**
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[72] MCKENZIE, DONALD SOMERSET MCCULLOCH, CA
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[72] ARMSTRONG, MARILYN, GB
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[73] ROSEMOUNT AEROSPACE, INC., US
[86] (2887536)
[87] (2887536)
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[30] US (62/000,724) 2014-05-20

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[51] **Int.Cl. H04B 7/185 (2006.01) H04B 7/005 (2006.01)**
[25] EN
[54] **SATELLITE TELECOMMUNICATION SYSTEM AND METHOD WITH MULTISPOT COVERAGE AND WITH VARIABLE CAPACITY DISTRIBUTION**
[54] **SYSTEME DE TELECOMMUNICATION PAR SATELLITE ET METHODE INCLUANT LA COUVERTURE MULTIPOINT ET LA DISTRIBUTION A CAPACITE VARIABLE**
[72] CHARRAT, BERNARD, FR
[73] THALES, FR
[86] (2887759)
[87] (2887759)
[22] 2015-04-09
[30] FR (1400883) 2014-04-11

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[11] **2,887,814**
[13] C
[51] **Int.Cl. B27B 17/14 (2006.01)**
[25] EN
[54] **FIREWOOD PROCESSOR WITH A TIGHTENABLE SAW CHAIN**
[54] **APPAREIL DE TRAITEMENT DE BOIS DE CHAUFFAGE A L'AIDE D'UNE SCIE A CHAINE RESSERRABLE**
[72] SIRKKA, MATTI, FI
[73] TP SILVA OY, FI
[86] (2887814)
[87] (2887814)
[22] 2015-04-13
[30] FI (20145354) 2014-04-14

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[11] **2,888,472**
[13] C
[51] **Int.Cl. A61K 47/30 (2006.01) A61P 35/00 (2006.01) C12M 3/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **CANCER CELL TRAP**
[54] **PIEGE POUR CELLULES CANCEREUSES**
[72] TANG, LIPING, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2015-04-15
[86] 2013-10-19 (PCT/US2013/065803)
[87] (WO2014/063128)
[30] US (61/716,526) 2012-10-20

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[13] C
[51] **Int.Cl. H01R 24/64 (2011.01)**
[25] EN
[54] **MATCHED HIGH-SPEED INTERCONNECTOR ASSEMBLY**
[54] **ENSEMBLE D'INTERCONNEXION HAUTE VITESSE APPARIE**
[72] SIEV, VIRAK, CA
[72] BEAUREGARD, FRANCOIS, CA
[72] FONTAINE, MARC, CA
[73] BELDEN CANADA ULC, CA
[85] 2014-12-17
[86] 2013-06-28 (PCT/CA2013/050508)
[87] (WO2014/000112)
[30] US (61/665,435) 2012-06-28
[30] CA (2,782,486) 2012-06-28

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[51] **Int.Cl. B01J 23/881 (2006.01) B01J 23/882 (2006.01) B01J 23/883 (2006.01) B01J 31/04 (2006.01) B01J 31/34 (2006.01) C10G 45/02 (2006.01)**
[25] EN
[54] **A HYDROTREATING CATALYST, PRODUCTION AND USE THEREOF**
[54] **UN CATALYSEUR D'HYDROTRAITEMENT, ET PROCEDES DE PRODUCTION ET D'UTILISATION**
[72] YANG, ZHANLIN, CN
[72] JIANG, HONG, CN
[72] TANG, ZHAOJI, CN
[72] WANG, JIFENG, CN
[72] WEN, DERONG, CN
[72] WEI, DENGLING, CN
[73] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
[73] FUSHUN RESEARCH INSTITUTE OF PETROLEUM AND PETROCHEMICALS, SINOPEC, CN
[85] 2015-05-07
[86] 2013-10-31 (PCT/CN2013/001319)
[87] (WO2014/071686)
[30] CN (201210443119.7) 2012-11-08
[30] CN (201210442850.8) 2012-11-08
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[13] C
[51] **Int.Cl. G01V 5/12 (2006.01) G01V 13/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DENSITY CORRECTION FOR GEOPHYSICAL WELL LOGGING INSIDE DRILLING RODS**
[54] **METHODE ET SYSTEME DE CORRECTION DE DENSITE POUR LA DIAGRAPHIE DE SONDAGE GEOPHYSIQUE DANS LES TIGES DE FORAGE**
[72] PEREIRA, WANDERSON ROBERTO, BR
[72] CARLOS, DIONISIO UENDRO, BR
[72] BRAGA, MARCO ANTONIO DA SILVA, BR
[73] VALE S.A., BR
[86] (2890788)
[87] (2890788)
[22] 2015-05-05
[30] US (61/988,810) 2014-05-05
[30] US (14/701,223) 2015-04-30

[11] **2,891,728**
[13] C
[51] **Int.Cl. F16L 9/12 (2006.01) F16L 9/133 (2006.01) F16L 9/22 (2006.01)**
[25] EN
[54] **FOAM FILLED CORRUGATED PIPE**
[54] **TUYAU ANNELE REMPLI DE MOUSSE**
[72] LUPKE, MANFRED A. A., CA
[72] LUPKE, STEFAN A., CA
[73] LUPKE, MANFRED A. A., CA
[73] LUPKE, STEFAN A., CA
[86] (2891728)
[87] (2891728)
[22] 2015-05-15

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[13] C
[51] **Int.Cl. C12Q 1/6809 (2018.01) A61K 31/7088 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **DIAGNOSTIC MARKERS FOR TREATING CELL PROLIFERATIVE DISORDERS WITH TELOMERASE INHIBITORS**
[54] **MARQUEURS DE DIAGNOSTIC POUR LE TRAITEMENT DE TROUBLES DE LA PROLIFERATION CELLULAIRE PAR DES INHIBITEURS DE TELOMERASE**
[72] BASSETT, EKATERINA, US
[72] BURINGTON, BART, US
[72] WANG, HUI, US
[72] ENG, KEVIN, US
[73] GERON CORPORATION, US
[85] 2015-05-25
[86] 2013-11-27 (PCT/US2013/072302)
[87] (WO2014/085632)
[30] US (61/732,263) 2012-11-30
[30] US (13/802,035) 2013-03-13
[30] US (61/780,851) 2013-03-13
[30] US (61/798,478) 2013-03-15
[30] US (61/809,228) 2013-04-05

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[13] C
[51] **Int.Cl. F01D 5/14 (2006.01)**
[25] EN
[54] **COMPRESSOR ROTOR AIRFOIL WITH LEADING EDGE DIHEDRAL DISTRIBUTION HAVING MULTIPLE INFLECTION POINTS**
[54] **PROFIL DYNAMIQUE DE ROTOR DE COMPRESSEUR AVEC UNE DISTRIBUTION D'UN DIEDRE DE BORD D'ATTAQUE AYANT PLUSIEURS POINTS D'INFLEXION**
[72] DUONG, HIEN, CA
[72] BALIKE, KRISHNA PRASAD, CA
[72] VEITCH, THOMAS, CA
[72] LOBO, KEEGAN, CA
[72] WARIKOO, RAMAN, CA
[73] PRATT & WHITNEY CANADA CORP., CA
[86] (2893243)
[87] (2893243)
[22] 2015-05-29
[30] US (14/469,938) 2014-08-27

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[13] C
[51] **Int.Cl. E04B 2/88 (2006.01)**
[25] EN
[54] **CURTAIN WALL SYSTEM AND METHOD**
[54] **SYSTEME DE MUR-RIDEAU ET METHODE**
[72] LOYD, STEPHEN N., US
[73] STEPHEN N. LOYD IRREVOCABLE FAMILY TRUST, US
[86] (2893351)
[87] (2893351)
[22] 2015-05-28
[30] US (14/290,069) 2014-05-29

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[13] C
[51] **Int.Cl. A47B 21/06 (2006.01) A47B 9/00 (2006.01) A47B 17/02 (2006.01) F16L 3/015 (2006.01) F16L 3/26 (2006.01)**
[25] EN
[54] **CORD MANAGEMENT SYSTEM FOR FURNITURE**
[54] **DISPOSITIF DE GESTION DE CORDON POUR MEUBLE**
[72] UDAGAWA, MASAMICHI, US
[72] MOESLINGER, SIGRID, US
[73] KNOLL INC., US
[86] (2893914)
[87] (2893914)
[22] 2015-06-08
[30] US (62/009,367) 2014-06-09

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[13] C
[51] **Int.Cl. A61K 31/225 (2006.01) A61P 3/00 (2006.01) A61P 3/02 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **TRIHEPTANOIN FOR THE TREATMENT OF GLUCOSE TRANSPORTER 1 DEFICIENCY**
[54] **TRIHEPTANOINE POUR LE TRAITEMENT D'UN DEFICIT EN TRANSPORTEUR DU GLUCOSE DE TYPE 1**
[72] SCHIFFMANN, RAPHAEL, US
[72] MOCHEL, FANNY, FR
[73] BAYLOR RESEARCH INSTITUTE, US
[73] NATIONAL INSTITUTE OF HEALTH AND MEDICAL RESEARCH, FR
[85] 2015-06-08
[86] 2013-12-13 (PCT/US2013/075146)
[87] (WO2014/093901)
[30] US (61/737,013) 2012-12-13
[30] US (61/779,942) 2013-03-13

[11] **2,895,204**
[13] C
[51] **Int.Cl. C12Q 1/68 (2018.01) C12N 5/073 (2010.01) C12N 15/873 (2010.01) C12Q 1/6809 (2018.01) A01K 67/02 (2006.01) A01K 67/027 (2006.01)**
[25] EN
[54] **METHODS FOR GENERATING GENETICALLY SUPERIOR ANIMALS**
[54] **PROCEDE DE GENERATION D'ANIMAUX GENETIQUEMENT SUPERIEURS**
[72] KASINATHAN, POOTHAPPILLAI K., US
[72] WEI, HONG, US
[72] ALLAN, MARK F., US
[72] FABER, DAVID C., US
[73] TRANS OVA GENETICS, L.C., US
[85] 2015-06-15
[86] 2013-10-18 (PCT/US2013/065618)
[87] (WO2014/063016)
[30] US (61/716,294) 2012-10-19

[11] **2,898,541**
[13] C
[51] **Int.Cl. B65B 7/02 (2006.01) B65B 5/08 (2006.01)**
[25] EN
[54] **DEVICE FOR FILLING AND CLOSING BAGS FOR CONTAINING PAPER DOCUMENTS, SUCH AS BANKNOTES AND THE LIKE**
[54] **DISPOSITIF DESTINE AU REMPLISSAGE ET A LA FERMETURE DE SACS CONTENANT DES DOCUMENTS PAPIER COMME DES BILLETS DE BANQUE OU AUTRES SEMBLABLES**
[72] RAZZABONI, NICOLETTA, IT
[72] RAZZABONI, VITTORIO, IT
[73] CIMA S.P.A., IT
[86] (2898541)
[87] (2898541)
[22] 2015-07-24
[30] IT (MI2014A001369) 2014-07-29

[11] **2,904,249**
[13] C
[51] **Int.Cl. H04W 76/18 (2018.01) H04B 17/309 (2015.01) H04W 76/14 (2018.01) G08B 25/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CELLULAR CONNECTION SELECTION**
[54] **SYSTEME ET PROCEDE DESTINE A LA SELECTION DE CONNEXION CELLULAIRE**
[72] BREED, JASON A., CA
[73] TYCO SAFETY PRODUCTS CANADA LTD., CA
[85] 2015-09-04
[86] 2014-01-22 (PCT/CA2014/050043)
[87] (WO2014/138942)
[30] US (13/798,858) 2013-03-13

[11] **2,904,279**
[13] C
[51] **Int.Cl. G21C 19/06 (2006.01)**
[25] EN
[54] **MANAGING NUCLEAR REACTOR SPENT FUEL RODS**
[54] **TRAITEMENT DE CRAYONS COMBUSTIBLES USES DE REACTEUR NUCLEAIRE**
[72] REYES, JOSE N., JR., US
[72] COLBERT, CHRISTOPHER, US
[73] NUSCALE POWER, LLC, US
[85] 2015-09-04
[86] 2014-02-27 (PCT/US2014/019072)
[87] (WO2014/189582)
[30] US (13/786,643) 2013-03-06

[11] **2,904,841**
[13] C
[51] **Int.Cl. A61C 13/265 (2006.01)**
[25] EN
[54] **FEMALE PART FOR FORMING A RELEASABLE CONNECTION TO A MALE PART THAT IS CONFIGURED TO BE FASTENED IN THE MOUTH**
[54] **PIECE FEMELLE SERVANT A FORMER UNE CONNEXION AMOVIBLE A UNE PIECE MALE QUI EST CONFIGUREE POUR ETRE FIXEE DANS LA BOUCHE**
[72] FAH, MATHIAS, CH
[72] STRAZZA, MATHIAS, CH
[72] WALTHER, MATTHIAS, CH
[73] CENDRES+METAUX SA, CH
[86] (2904841)
[87] (2904841)
[22] 2015-09-18
[30] CH (01413/14) 2014-09-19

[11] **2,905,747**
[13] C
[51] **Int.Cl. C12Q 1/02 (2006.01) C12N 5/076 (2010.01)**
[25] EN
[54] **RAPID REAL TIME MULTIPOINT PROCEDURE FOR OPTIMIZING SPERM STATE FOR USE IN ASSISTED REPRODUCTIVE TECHNOLOGIES**
[54] **PROCEDURE MULTIPOINT EN TEMPS REEL RAPIDE POUR OPTIMISER UN ETAT DE SPERME, DESTINEE A ETRE UTILISEE DANS DES TECHNOLOGIES DE REPRODUCTION ASSISTEE**
[72] COHEN, BARB ARIEL, US
[73] AREX LIFE SCIENCES, LLC, US
[85] 2015-09-11
[86] 2014-03-11 (PCT/US2014/023364)
[87] (WO2014/150480)
[30] US (61/794,559) 2013-03-15

[11] **2,908,134**
[13] C
[51] **Int.Cl. G21G 4/04 (2006.01) C01G 99/00 (2010.01) G01G 1/00 (2006.01) G01G 3/12 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARATION OF ALPHA SOURCES OF POLONIUM USING SULFIDE MICRO-PRECIPITATION**
[54] **PROCEDE DE PREPARATION DE SOURCES ALPHA DE POLONIUM PAR MICROPRECIPITATION DE SULFURE**
[72] GUERIN, NICOLAS, CA
[72] DAI, XIONGXIN, CA
[73] ATOMIC ENERGY OF CANADA LIMITED, CA
[85] 2015-09-28
[86] 2014-03-25 (PCT/CA2014/050306)
[87] (WO2014/153658)
[30] US (61/805,626) 2013-03-27

[11] **2,911,885**
[13] C
[51] **Int.Cl. G07C 3/12 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETERMINING AND REPORTING VALUE ADDED ACTIVITY DATA**
[54] **UN SYSTEME ET UNE METHODE SERVANT A DETERMINER ET RAPPORTER DES DONNEES D'ACTIVITE A VALEUR AJOUTEE**
[72] HOGENDOORN, PAUL, CA
[72] NET, SOPHEAR, CA
[72] FAVARO, WILLIAM, CA
[72] KAPTUR, DANIEL, CA
[72] JACOBS, GREGORY, CA
[72] FOSTER, MICHAEL J., CA
[73] FREEPOINT TECHNOLOGIES INC., CA
[86] (2911885)
[87] (2911885)
[22] 2015-11-12
[30] US (62/078,087) 2014-11-11
[30] US (62/134,150) 2015-03-17

[11] **2,912,412**
[13] C
[51] **Int.Cl. G01R 21/06 (2006.01) G01R 15/18 (2006.01) H02J 13/00 (2006.01)**
[25] EN
[54] **POWER MONITORING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE CONTROLE DE PUISSANCE**
[72] DE BUDA, ERIC, GEORGE, CA
[72] TURNER, RANDALL, CA
[72] VANDENBERG, MICHAEL, CA
[72] XU, LAN, CA
[72] KUURSTRA, JOHN, CA
[73] GRID2020, INC., US
[85] 2015-11-12
[86] 2013-05-13 (PCT/US2013/040781)
[87] (WO2013/173230)
[30] US (61/646,350) 2012-05-13
[30] US (61/660,119) 2012-06-15

[11] **2,915,202**
[13] C
[51] **Int.Cl. H02P 7/29 (2016.01) F02D 41/20 (2006.01) H02P 6/04 (2016.01) H02P 6/16 (2016.01)**
[25] EN
[54] **PULSE WIDTH MODULATION CONTROL OF SOLENOID MOTOR**
[54] **COMMANDE DE MODULATION DE DUREE D'IMPULSIONS D'UN MOTEUR A SOLENOIDE**
[72] YOSHIDA, AMY M., US
[72] KOSTRZEWA, THOMAS J., US
[72] HUGHES, ERIC T., US
[72] BREST, MICHAEL L., US
[72] GRIFFIN, ERIC J., US
[72] HERSHBERG, JERRY, US
[73] RAYTHEON COMPANY, US
[85] 2015-12-11
[86] 2014-06-11 (PCT/US2014/042009)
[87] (WO2014/201180)
[30] US (61/833,592) 2013-06-11
[30] US (61/833,599) 2013-06-11
[30] US (61/833,587) 2013-06-11
[30] US (14/088,176) 2013-11-22
[30] US (14/091,128) 2013-11-26
[30] US (14/170,276) 2014-01-31

[11] **2,916,339**
[13] C
[51] **Int.Cl. G01R 31/00 (2006.01) G06F 30/20 (2020.01) H04L 12/16 (2006.01)**
[25] EN
[54] **CLOSED LOOP SIMULATION OF A COMPUTER MODEL OF A PHYSICAL SYSTEM AND AN ACTUAL REAL-TIME HARDWARE COMPONENT OF THE PHYSICAL SYSTEM**
[54] **SIMULATION EN BOUCLE FERMEE D'UN MODELE INFORMATIQUE D'UN SYSTEME PHYSIQUE ET COMPOSANT MATERIEL EN TEMPS REEL EFFECTIF DU SYSTEME PHYSIQUE**
[72] GOULKHAH, MOHAMMAD, CA
[72] GOLE, ANIRUDDHA MADHUKAR, CA
[73] UNIVERSITY OF MANITOBA, CA
[85] 2015-12-21
[86] 2014-02-10 (PCT/CA2014/050089)
[87] (WO2014/201552)
[30] US (61/837,422) 2013-06-20

[11] **2,916,449**
[13] C
[51] **Int.Cl. A61M 16/06 (2006.01)**
[25] EN
[54] **PATIENT INTERFACE FOR SUPPLYING A PRESSURIZED GAS AND NASAL SEAL THEREFOR**
[54] **INTERFACE PATIENT POUR UNE ALIMENTATION DE GAZ SOUS PRESSION ET JOINT D'ETANCHEITE NASAL CONNEXE**
[72] NICOLSON, CHARLES, NZ
[72] HAMMER, JEROEN, NZ
[72] SLIGHT, MATTHEW ROBERT GEOFF, NZ
[72] HUANG, WEN DONG, NZ
[72] GARDIOLA, ARVIN SAN JOSE, NZ
[73] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
[85] 2015-12-21
[86] 2014-07-17 (PCT/NZ2014/000150)
[87] (WO2015/009172)
[30] US (61/847,452) 2013-07-17
[30] US (61/990,328) 2014-05-08

[11] **2,916,757**
[13] C
[51] **Int.Cl. H04W 48/18 (2009.01) H04W 24/00 (2009.01) H04W 48/02 (2009.01)**
[25] EN
[54] **SWITCHING BETWEEN NETWORKS BASED ON QUALITY OF AVAILABLE NETWORKS**
[54] **BASCULEMENT ENTRE RESEAUX FONDE SUR LA QUALITE DES RESEAUX DISPONIBLES**
[72] TAN, WEIHUA, US
[72] MUTHINENI, ANIL, US
[73] GOOGLE LLC, US
[86] (2916757)
[87] (2916757)
[22] 2016-01-05
[30] US (14/824,326) 2015-08-12

[11] **2,917,520**
[13] C
[51] **Int.Cl. H04W 4/90 (2018.01) H04W 4/029 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR WIRELESS PUBLIC ALERTING SERVICE**
[54] **SYSTEME ET METHODE DE SERVICE D'ALERTE PUBLIC SANS FIL**
[72] HUI, TONY, CA
[72] FERNANDES, FRANCIS, CA
[72] SMITH, BRIAN, CA
[72] MANJI, SHAFIQ, CA
[73] BCE INC., CA
[86] (2917520)
[87] (2917520)
[22] 2016-01-13
[30] US (62/102,775) 2015-01-13

[11] **2,919,093**
[13] C
[51] **Int.Cl. A23L 27/30 (2016.01) A23L 27/00 (2016.01) A23L 27/10 (2016.01) A23L 29/00 (2016.01) A23L 29/20 (2016.01)**
[25] EN
[54] **PARTIAL MELT CO-CRYSTALLIZATION COMPOSITIONS**
[54] **COMPOSITIONS CO-CRISTALLISEES A FUSION PARTIELLE**
[72] LIAO, SHYHYUAN, US
[72] PANARISI, JOSEPH R., US
[72] CATANI, STEVEN J., US
[73] HEARTLAND CONSUMER PRODUCTS LLC, US
[85] 2016-01-22
[86] 2014-06-24 (PCT/US2014/043769)
[87] (WO2015/012987)
[30] US (61/857,934) 2013-07-24

[11] **2,919,284**
[13] C
[51] **Int.Cl. H01R 4/24 (2018.01) H01R 4/26 (2006.01) H01R 11/01 (2006.01)**
[25] EN
[54] **ELECTRICAL CONNECTORS AND RELATED METHODS**
[54] **RACCORDS ELECTRIQUES ET METHODES ASSOCIEES**
[72] NELSON, MICHAEL, US
[72] VANHIEL, BRIAN, US
[72] CHARLES, KIRK, US
[72] AMBRECHT, ADAM, US
[73] HOME DEPOT INTERNATIONAL, INC., US
[86] (2919284)
[87] (2919284)
[22] 2016-01-28
[30] US (14/609,302) 2015-01-29
[30] US (14/712,798) 2015-05-14

[11] **2,919,289**
[13] C
[51] **Int.Cl. B60G 3/20 (2006.01) B60G 7/00 (2006.01) B60G 15/12 (2006.01)**
[25] EN
[54] **IFS INCLUDING CONTROL ARM AND STRUT SUPPORTED BY STEERING KNUCKLE LOAD ARM**
[54] **IFS COMPORTANT UN BRAS DE COMMANDE ET UN MONTANT SOUTENU PAR UN BRAS DE CHARGEMENT DE FUSEE DE DIRECTION**
[72] HINZ, JOHN A., US
[73] REYCO GRANNING, LLC, US
[86] (2919289)
[87] (2919289)
[22] 2016-01-28
[30] US (14/684,688) 2015-04-13

[11] **2,920,445**
[13] C
[51] **Int.Cl. H01Q 1/24 (2006.01) H01Q 1/38 (2006.01) H01Q 9/04 (2006.01)**
[25] FR
[54] **DEVICE FOR TRANSMITTING AND/OR RECEIVING RADIOFREQUENCY SIGNALS**
[54] **DISPOSITIF D'EMISSION ET/OU DE RECEPTION DE SIGNAUX RADIOFREQUENCES**
[72] EL HASSANI, CHAKIB, FR
[72] BARRATT, CHRISTOPHER, FR
[73] INSIGHT SIP, FR
[85] 2016-02-04
[86] 2014-07-31 (PCT/EP2014/066557)
[87] (WO2015/018745)
[30] FR (1357782) 2013-08-05

[11] **2,922,313**
[13] C
[51] **Int.Cl. F04B 17/04 (2006.01) F04B 43/04 (2006.01) F04B 49/06 (2006.01) F04B 51/00 (2006.01) F15B 19/00 (2006.01) G05B 13/04 (2006.01)**
[25] EN
[54] **METHOD FOR IMPROVING METERING PROFILES OF DISPLACEMENT PUMPS**
[54] **PROCEDE D'AMELIORATION DE PROFILES DE DOSAGE DE POMPES VOLUMETRIQUES**
[72] LIU, STEVEN, DE
[72] KENNEL, FABIAN, DE
[73] PROMINENT GMBH, DE
[85] 2016-02-24
[86] 2014-08-21 (PCT/EP2014/067815)
[87] (WO2015/028384)
[30] DE (10 2013 109 412.0) 2013-08-29

[11] **2,925,660**
[13] C
[51] **Int.Cl. A01K 61/00 (2017.01) A01K 61/60 (2017.01) A01K 63/02 (2006.01) B63B 27/36 (2006.01) B63B 35/00 (2020.01) B63B 35/42 (2006.01)**
[25] EN
[54] **WELL BOAT AND SERVICE VESSEL FOR TRANSPORT AND STORAGE OF AQUATIC ORGANISMS, AND METHOD FOR THE USE OF THE VESSEL**
[54] **NAVIRE DE SERVICE COMPRENANT UN VIVIER POUR LE TRANSPORT ET LE STOCKAGE D'ORGANISMES AQUATIQUES ET PROCEDE D'UTILISATION DE CE NAVIRE**
[72] MOOD, FREDRIK, NO
[73] MOOD, FREDRIK, NO
[85] 2016-03-29
[86] 2014-10-07 (PCT/NO2014/050188)
[87] (WO2015/053635)
[30] NO (20131346) 2013-10-08

[11] **2,925,940**
[13] C
[51] **Int.Cl. B21C 37/15 (2006.01) B23P 11/02 (2006.01) F16L 9/04 (2006.01) B21C 1/24 (2006.01) B21C 9/00 (2006.01) B21C 37/06 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING A MULTILAYER PIPE HAVING A METALLURGICAL BOND BY DRAWING, AND MULTILAYER PIPE PRODUCED BY THIS PROCESS.**
[54] **PROCEDE DE PRODUCTION D'UN TUYAU MULTICOUCHE PRESENTANT UNE LIAISON METALLURGIQUE PAR ETIRAGE ET TUYAU MULTICOUCHE ISSU DU PROCEDE**
[72] SILVEIRA E SILVA, JULIO MARCIO, BR
[72] EBELING, TIMO, BR
[72] DA SILVA PERDIGAO, HEZICK, BR
[72] GRANHA GIORGINI, DANIELLE, BR
[72] DA SILVA PENNA, ANTONIO WAGNER, BR
[73] VALLOUREC TUBOS DO BRASIL S.A., BR
[85] 2016-03-31
[86] 2014-07-23 (PCT/BR2014/000249)
[87] (WO2014/169366)
[30] BR (BR 10 2013 021664 0) 2013-08-23

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[11] **2,926,858**
[13] C
[51] **Int.Cl. H04R 1/10 (2006.01) H04R 3/00 (2006.01)**
[25] EN
[54] **A DEVICE-ADAPTABLE AUDIO HEADSET**
[54] **UN CASQUE D'ECOUTE ADAPTABLE A UN APPAREIL**
[72] POULSEN, JENS KRISTIAN, CA
[73] BLACKBERRY LIMITED, CA
[86] (2926858)
[87] (2926858)
[22] 2016-04-12
[30] US (14/689153) 2015-04-17

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[11] **2,926,860**
[13] C
[51] **Int.Cl. B62K 25/28 (2006.01)**
[25] EN
[54] **TWO-WHEELED VEHICLE WITH REAR-WHEEL SUSPENSION**
[54] **DEUX-ROUES A SUSPENSION ARRIERE**
[72] DROUX, VINCENZ, CH
[73] SCOTT SPORTS SA, CH
[85] 2016-04-08
[86] 2014-09-15 (PCT/CH2014/000132)
[87] (WO2015/051472)
[30] CH (1741/13) 2013-10-11

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[11] **2,927,405**
[13] C
[51] **Int.Cl. G02B 1/10 (2015.01) E06B 5/18 (2006.01)**
[25] FR
[54] **SUBSTRATE COATED WITH A STACK OF FUNCTIONAL LAYERS HAVING IMPROVED MECHANICAL PROPERTIES**
[54] **SUBSTRAT REVETU D'UN EMPILEMENT A COUCHES FONCTIONNELLES PRESENTANT DES PROPRIETES MECANIQUES AMELIOREES**
[72] RONDEAU, VERONIQUE, FR
[72] CHARLET, EMILIE, FR
[72] SANDRE-CHARDONNAL, ETIENNE, FR
[73] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2016-04-13
[86] 2014-11-05 (PCT/FR2014/052822)
[87] (WO2015/067895)
[30] FR (1360970) 2013-11-08

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[13] C
[51] **Int.Cl. A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **PHARMACEUTICAL DOSAGE FORMS CONTAINING SODIUM-1-[6-(MORPHOLIN-4-YL)PYRIMIDIN-4-YL]-4-(1H-1,2,3-TRIAZOL-1-YL)-1H-PYRAZOL-5-OLATE**
[54] **FORMES GALENIQUES PHARMACEUTIQUES CONTENANT DU SODIUM 1-[6-{MORPHOLINE-4-YL)PYRIMIDINE-4-YL]-4-(1H-1,2,3- TRIAZOL-1-YL)-1H-PYRAZOL-5-OLATE**
[72] NEUMANN, HEIKE, DE
[72] BENKE, KLAUS, DE
[72] FORMELL, MICHAEL, DE
[72] WINTER, GABRIELE, DE
[73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
[85] 2016-04-14
[86] 2014-10-13 (PCT/EP2014/071855)
[87] (WO2015/055564)
[30] EP (13189145.9) 2013-10-17

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[11] **2,928,536**
[13] C
[51] **Int.Cl. C04B 28/02 (2006.01) C04B 40/00 (2006.01)**
[25] EN
[54] **ADMIXTURE COMPOSITION TO IMPROVE STRENGTH OF CEMENT CURED PRODUCTS**
[54] **COMPOSITION D'ADJUVANT POUR AMELIORER LA RESISTANCE DE PRODUITS DURCIS DE CIMENT**
[72] WIBOWO, ANTONIUS, BE
[72] KLEIN, HOWARD P., US
[72] GRIGSBY, ROBERT ALLISON, JR., US
[73] HUNTSMAN PETROCHEMICAL LLC, US
[85] 2016-04-22
[86] 2014-09-29 (PCT/EP2014/070746)
[87] (WO2015/062798)
[30] US (61/897,404) 2013-10-30
[30] EP (13192758.4) 2013-11-13

[11] **2,928,869**
[13] C
[51] **Int.Cl. B28B 1/50 (2006.01) B28B 13/00 (2006.01) B28B 15/00 (2006.01)**
[25] EN
[54] **A PROGRESSIVE BUBBLE GENERATING SYSTEM USED IN MAKING CEMENTITIOUS FOAM**
[54] **SYSTEME DE GENERATION PROGRESSIVE DE BULLES UTILISE POUR LA FABRICATION D'UNE MOUSSE CIMENTAIRE**
[72] WARNER, TERRY P., US
[72] CHRISTOPHER, R. KEENE, US
[73] AIR KRETE, INC., US
[85] 2016-04-26
[86] 2014-11-07 (PCT/US2014/064503)
[87] (WO2015/069990)
[30] US (61/901,205) 2013-11-07

[11] **2,929,793**
[13] C
[51] **Int.Cl. F01D 21/02 (2006.01) F02C 3/10 (2006.01) F02C 9/46 (2006.01)**
[25] FR
[54] **TURBINE ENGINE AND CONTROL METHOD**
[54] **TURBOMACHINE ET PROCEDE DE REGULATION**
[72] LANGFORD, STEPHEN, FR
[72] LESCHER, FABIEN, FR
[73] TURBOMECA, FR
[85] 2016-05-05
[86] 2014-11-07 (PCT/FR2014/052849)
[87] (WO2015/075346)
[30] FR (1361353) 2013-11-19

[11] **2,931,146**
[13] C
[51] **Int.Cl. A61K 39/39 (2006.01) A61K 31/7084 (2006.01) A61P 31/04 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **USE OF FLUORINATED CYCLIC DINUCLEOTIDES AS ORAL VACCINE ADJUVANTS**
[54] **UTILISATION DE DINUCLEOTIDES CYCLIQUES FLUORES COMME ADJUVANTS DE VACCIN ORAL**
[72] YAN, HONGBIN, CA
[72] CHEN, WANGXUE, CA
[72] KUO LEE, RHONDA, CA
[73] BROCK UNIVERSITY, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
[85] 2016-05-19
[86] 2014-11-18 (PCT/CA2014/051100)
[87] (WO2015/074145)
[30] US (61/907,606) 2013-11-22

[11] **2,931,790**
[13] C
[51] **Int.Cl. G01N 21/3577 (2014.01) G01N 21/359 (2014.01) G01N 21/83 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR ANALYSING A BLEND OF TWO OR MORE HYDROCARBON FEED STREAMS**
[54] **PROCEDE ET SYSTEME D'ANALYSE D'UN MELANGE DE DEUX FLUX DE CHARGE D'ALIMENTATION D'HYDROCARBURE, OU PLUS**
[72] STUBBINS, FREDERICK J., GB
[72] WADE, JOHN, GB
[72] WINSTONE, PAUL, GB
[73] INTERTEK GROUP PLC, GB
[85] 2016-05-26
[86] 2014-12-02 (PCT/GB2014/053586)
[87] (WO2015/087049)
[30] GB (1321677.5) 2013-12-09

[11] **2,931,952**
[13] C
[51] **Int.Cl. B24C 1/00 (2006.01) B64F 5/30 (2017.01) B08B 7/00 (2006.01) F01D 25/00 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR CLEANING A JET ENGINE**
[54] **PROCEDE ET DISPOSITIF POUR LE NETTOYAGE D'UN MOTEUR A REACTION**
[72] APPEL, HOLGER, DE
[72] BRAUTIGAM, KLAUS, DE
[73] LUFTHANSA TECHNIK AG, DE
[85] 2016-05-27
[86] 2014-11-28 (PCT/EP2014/075981)
[87] (WO2015/079032)
[30] DE (10 2013 224 639.0) 2013-11-29

[11] **2,932,507**
[13] C
[51] **Int.Cl. A01H 1/04 (2006.01)**
[25] EN
[54] **IMPROVED MOLECULAR BREEDING METHODS**
[54] **PROCEDES AMELIORES DE REPRODUCTION CELLULAIRE**
[72] HABIER, DAVID, US
[73] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2016-06-01
[86] 2014-12-22 (PCT/US2014/071889)
[87] (WO2015/100236)
[30] US (61/921,216) 2013-12-27

[11] **2,932,704**
[13] C
[51] **Int.Cl. A01N 33/14 (2006.01) C13B 10/08 (2011.01) C13B 20/08 (2011.01) A01P 1/00 (2006.01)**
[25] EN
[54] **METHODS OF MICROBIOLOGICAL CONTROL IN BEET SUGAR AND OTHER SUGAR-CONTAINING PLANT MATERIAL PROCESSING**
[54] **PROCEDES DE REGULATION MICROBIOLOGIQUE DANS LE TRAITEMENT D'UNE MATIERE CONTENANT DU SUCRE DE BETTERAVE ET D'AUTRES SUCRES**
[72] VAN HAUTE, EDDIE, US
[72] CHAUWIN, JEAN MICHEL, US
[72] MASCIA, MARCO ULISSE, US
[73] BUCKMAN LABORATORIES INTERNATIONAL, INC., US
[85] 2016-06-03
[86] 2014-12-02 (PCT/US2014/068095)
[87] (WO2015/084807)
[30] US (61/912,037) 2013-12-05

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[11] **2,933,730**
[13] C
[51] **Int.Cl. A61K 31/343 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **BENZODIOXOL DERIVATIVES FOR USE IN THE TREATMENT OF ATTENTION DEFICIT AND/OR HYPERACTIVITY**
[54] **DERIVES DE BENZODIOXOL POUR UNE UTILISATION DANS LE TRAITEMENT DE DEFICIT DE L'ATTENTION ET/OU DE L'HYPERACTIVITE**
[72] VERLEYE, MARC, FR
[72] RIBAN, VERONIQUE, FR
[72] LE GUERN, MARIE-EMMANUELLE, FR
[73] BIOCODEX, FR
[85] 2016-06-14
[86] 2014-12-17 (PCT/EP2014/078345)
[87] (WO2015/091718)
[30] EP (13306768.6) 2013-12-18

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[11] **2,934,528**
[13] C
[51] **Int.Cl. G02B 27/01 (2006.01) G02B 3/00 (2006.01)**
[25] EN
[54] **INTEGRATED MICROOPTIC IMAGER, PROCESSOR, AND DISPLAY**
[54] **IMAGEUR MICRO-OPTIQUE INTEGRE, PROCESSEUR, ET AFFICHEUR**
[72] PARKER, WILLIAM P., US
[72] STRAUSS, MICHAEL A., US
[72] ROUSSEAU, LAN M., US
[72] GALLO, ERIC M., US
[73] MARSUPIAL HOLDINGS INC., US
[85] 2016-06-17
[86] 2014-12-17 (PCT/US2014/070991)
[87] (WO2015/095417)
[30] US (61/963,928) 2013-12-17

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[11] **2,934,968**
[13] C
[51] **Int.Cl. G01L 19/00 (2006.01) G01F 1/40 (2006.01) G01P 5/14 (2006.01)**
[25] EN
[54] **DEVICE FOR MEASURING TOTAL PRESSURE OF FLUID FLOW**
[54] **DISPOSITIF DE MESURE DE LA PRESSION TOTALE DE L'ECOULEMENT D'UN FLUIDE**
[72] WHALEN, MACKENZIE, US
[72] MATHEIS, BRIAN DANIEL, US
[73] ROSEMOUNT AEROSPACE, INC., US
[86] (2934968)
[87] (2934968)
[22] 2016-06-30
[30] US (14/789,598) 2015-07-01

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[11] **2,935,933**
[13] C
[51] **Int.Cl. A61K 31/192 (2006.01) A61P 1/16 (2006.01)**
[25] EN
[54] **METHOD OF TREATING LIVER DISORDERS**
[54] **METHODE DE TRAITEMENT DE TROUBLES HEPATIQUES**
[72] MATSUDA, KAZUKO, US
[73] MEDICINOVA, INC., US
[85] 2016-07-05
[86] 2015-01-07 (PCT/US2015/010479)
[87] (WO2015/105874)
[30] US (14/152,924) 2014-01-10

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[11] **2,936,179**
[13] C
[51] **Int.Cl. B62D 55/20 (2006.01) B62D 55/14 (2006.01) B62D 55/26 (2006.01)**
[25] EN
[54] **TRACK SYSTEM FOR A MACHINE**
[54] **SYSTEME DE CHENILLE POUR UNE MACHINE**
[72] HAKES, DAVID, US
[73] CATERPILLAR INC., US
[85] 2016-07-07
[86] 2014-12-22 (PCT/US2014/071931)
[87] (WO2015/108680)
[30] US (14/154,768) 2014-01-14

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[11] **2,936,883**
[13] C
[51] **Int.Cl. G01N 33/68 (2006.01)**
[25] EN
[54] **PREDICTION OF POSTPARTUM HELLP SYNDROME, POSTPARTUM ECLAMPSIA OR POSTPARTUM PREECLAMPSIA**
[54] **PREVISION DE SYNDROME HELLP POST-NATAL, D'ECLAMPSIE POST-NATALE OU DE PREECLAMPSIE POST-NATALE**
[72] HUND, MARTIN, CH
[72] DIETERLE, THOMAS, DE
[72] LAPAIRE, OLAV, CH
[73] F.HOFFMANN-LA ROCHE AG, CH
[85] 2016-07-14
[86] 2015-01-26 (PCT/EP2015/051457)
[87] (WO2015/110624)
[30] EP (14152447.0) 2014-01-24

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[11] **2,936,888**
[13] C
[51] **Int.Cl. B01D 53/64 (2006.01)**
[25] EN
[54] **METHOD AND ARRANGEMENT FOR REMOVING GASEOUS ELEMENTARY MERCURY FROM A STREAM OF GAS**
[54] **PROCEDE ET AGENCEMENT PERMETTANT D'ELIMINER LE MERCURE ELEMENTAIRE GAZEUX D'UN FLUX DE GAZ**
[72] ALLGULIN, TORKEL, SE
[73] OUTOTEC (FINLAND) OY, FI
[85] 2016-07-14
[86] 2015-01-27 (PCT/FI2015/050052)
[87] (WO2015/114212)
[30] FI (20145091) 2014-01-28

[11] **2,936,957**
[13] C
[51] **Int.Cl. B01D 53/14 (2006.01) B01D 53/62 (2006.01)**
[25] EN
[54] **WATER CONTROL IN NON-AQUEOUS ACID GAS REMOVAL SYSTEMS**
[54] **CONTROLE DE L'EAU DANS DES SYSTEMES DE RECUPERATION DE GAZ ACIDE NON AQUEUX**
[72] COLEMAN, LUKE, US
[72] LAIL, MARTY, US
[72] AMATO, KELLY E., US
[72] TANTHANA, JAK, US
[73] RESEARCH TRIANGLE INSTITUTE, US
[85] 2016-07-14
[86] 2015-02-13 (PCT/US2015/015746)
[87] (WO2015/123490)
[30] US (61/939,569) 2014-02-13

[11] **2,937,223**
[13] C
[51] **Int.Cl. G06Q 10/06 (2012.01)**
[25] EN
[54] **TOTAL ASSET MODELING WITH INTEGRATED ASSET MODELS AND PERSISTENT ASSET MODELS**
[54] **MODELISATION GLOBALE D'EFFECTIFS AVEC MODELES INTEGRES D'EFFECTIFS ET MODELES PERSISTANTS D'EFFECTIFS**
[72] ORTIZ, THOMAS MANUEL, US
[72] CUDE, RONALD GORDON, US
[72] GERMAIN, OLIVIER ROGER, US
[72] REID, LAURENCE, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2016-07-18
[86] 2014-02-24 (PCT/US2014/018063)
[87] (WO2015/126427)

[11] **2,937,655**
[13] C
[51] **Int.Cl. A61K 31/506 (2006.01) A61K 31/475 (2006.01) A61K 31/519 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **APILIMOD COMPOSITIONS FOR CANCER TREATMENT**
[54] **COMPOSITIONS D'APILIMOD ET PROCEDES POUR LES UTILISER**
[72] LICHENSTEIN, HENRI, US
[72] ROTHBERG, JONATHAN M., US
[72] GAYLE, SOPHIA, US
[72] BEEHARRY, NEIL, US
[72] BECKETT, PAUL, US
[72] LANDRETTE, SEAN, US
[72] CONRAD, CHRIS, US
[72] DYER, MATT, US
[72] XU, TIAN, US
[73] AI THERAPEUTICS, INC., US
[85] 2016-07-21
[86] 2015-01-23 (PCT/US2015/012733)
[87] (WO2015/112888)
[30] US (61/931,075) 2014-01-24
[30] US (61/931,078) 2014-01-24
[30] US (62/077,127) 2014-11-07

[11] **2,937,686**
[13] C
[51] **Int.Cl. H03F 1/02 (2006.01) H04W 88/02 (2009.01) H03F 3/21 (2006.01) H04B 1/04 (2006.01)**
[25] EN
[54] **HIGH EFFICIENCY ULTRA-WIDEBAND AMPLIFIER**
[54] **AMPLIFICATEUR A BANDE ULTRA-LARGE A HAUTE EFFICACITE**
[72] GHANNOUCHI, FADHEL M., CA
[72] AKBARPOUR, MOHAMMADHASSAN, CA
[72] HELAOUI, MOHAMED, CA
[73] GHANNOUCHI, FADHEL M., CA
[85] 2016-07-22
[86] 2014-02-06 (PCT/CA2014/000085)
[87] (WO2015/117217)

[11] **2,938,467**
[13] C
[51] **Int.Cl. C11D 3/33 (2006.01) C11D 3/37 (2006.01) C11D 3/39 (2006.01) C11D 7/32 (2006.01) C11D 11/02 (2006.01)**
[25] EN
[54] **POWDER AND GRANULE, PROCESS FOR MAKING SUCH POWDER AND GRANULE, AND USE THEREOF**
[54] **POUDRE ET GRANULE, PROCEDE DE FABRICATION DE CETTE POUDRE ET DE CE GRANULE, ET LEUR UTILISATION**
[72] HARTMANN, MARKUS, DE
[72] REINOSO GARCIA, MARTA, DE
[72] MULLER, MICHAEL KLEMENS, DE
[72] BOHN, ROLAND, DE
[72] BIEL, MARKUS CHRISTIAN, DE
[73] BASF SE, DE
[85] 2016-08-01
[86] 2015-02-06 (PCT/EP2015/052533)
[87] (WO2015/121170)
[30] EP (14154957.6) 2014-02-13
[30] EP (14189501.1) 2014-10-20

[11] **2,939,677**
[13] C
[51] **Int.Cl. E02F 3/02 (2006.01) A01D 1/12 (2006.01) A01D 7/00 (2006.01) E01C 19/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE GUIDED RAKE APPARATUS AND METHOD**
[54] **DISPOSITIF DE RACLEUR GUIDE AJUSTABLE ET METHODE**
[72] GREEN, DARREN, CA
[73] GREEN, DARREN, CA
[86] (2939677)
[87] (2939677)
[22] 2016-08-18
[30] CA (2,902,077) 2015-08-31

[11] **2,939,914**
[13] C
[51] **Int.Cl. B32B 27/04 (2006.01) B32B 5/18 (2006.01) B32B 7/14 (2006.01) E04B 1/62 (2006.01)**
[25] EN
[54] **SELF SEALING ARTICLES**
[54] **ARTICLES AUTO-OBTURANTS**
[72] WIDENBRANT, MARTIN J., US
[72] SEABAUGH, TAYLOR M., US
[72] BODKHE, RAJAN B., US
[72] FRONEK, DANIEL R., US
[72] SETH, JAYSHREE, US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2016-08-16
[86] 2015-02-18 (PCT/US2015/016356)
[87] (WO2015/183354)
[30] US (61/941,160) 2014-02-18
[30] US (62/032,274) 2014-08-01

[11] **2,941,078**
[13] C
[51] **Int.Cl. A61B 5/151 (2006.01) A61B 17/3209 (2006.01)**
[25] EN
[54] **A BLOCKING MECHANISM FOR A PATIENT'S SKIN INCISION DEVICE AND A METHOD OF CONTROLLING OF A SKIN INCISION DEVICE BY A BLOCKING MECHANISM**
[54] **MECANISME DE BLOCAGE POUR UN DISPOSITIF D'INCISION DE LA PEAU D'UN PATIENT ET PROCEDE DE COMMANDE D'UN DISPOSITIF D'INCISION DE LA PEAU PAR UN MECANISME DE BLOCAGE**
[72] LESKOWICH, VINCENT, GR
[72] ROZWADOWSKI, MARCIN, PL
[73] HTL-STREFA SPOLKA AKCYJNA, PL
[85] 2016-08-29
[86] 2014-02-17 (PCT/IB2014/059042)
[87] (WO2015/121711)
[30] PL (PL 407180) 2014-02-14

[11] **2,941,427**
[13] C
[51] **Int.Cl. H04L 65/60 (2022.01) H04L 69/14 (2022.01) H04L 45/24 (2022.01) H04L 49/201 (2022.01)**
[25] EN
[54] **VIDEO SIGNAL TRANSMISSION SYSTEM**
[54] **SYSTEME DE TRANSMISSION DE SIGNAL VIDEO**
[72] NAKAMURA, KAZUNORI, JP
[72] NARITA, KAZUKI, JP
[73] MEDIA GLOBAL LINKS CO., LTD., JP
[86] (2941427)
[87] (2941427)
[22] 2016-09-09
[30] JP (2015-178774) 2015-09-10

[11] **2,942,448**
[13] C
[51] **Int.Cl. C04B 28/06 (2006.01) B28B 19/00 (2006.01) C04B 14/00 (2006.01) C04B 24/26 (2006.01) C04B 24/40 (2006.01) C09K 21/02 (2006.01) E04B 1/94 (2006.01)**
[25] EN
[54] **FIREPROOFING CEMENTITIOUS COATING COMPOSITION**
[54] **COMPOSITION IGNIFUGE DE REVETEMENT A BASE DE CIMENT**
[72] MORRIS, OWEN, GB
[72] HUWILER, LUKAS, CH
[73] AKZO NOBEL COATINGS INTERNATIONAL B.V., NL
[85] 2016-09-12
[86] 2015-03-26 (PCT/EP2015/056489)
[87] (WO2015/144796)
[30] EP (14162420.5) 2014-03-28

[11] **2,942,589**
[13] C
[51] **Int.Cl. A01G 23/081 (2006.01) A01G 23/083 (2006.01)**
[25] EN
[54] **ENERGY WOOD GRAPPLE AND AN ACCESSORY FOR AN ENERGY WOOD GRAPPLE**
[54] **GRAPPIN A BOIS DE FEU ET ACCESSOIRE DE GRAPPIN A BOIS DE FEU**
[72] KOPONEN, TENHO, FI
[73] TMK ENERGIAKOURA OY, FI
[85] 2016-09-13
[86] 2015-03-13 (PCT/FI2015/050161)
[87] (WO2015/136155)
[30] FI (20145236) 2014-03-14

[11] **2,942,750**
[13] C
[51] **Int.Cl. A61N 1/04 (2006.01) A61F 5/34 (2006.01) A61N 1/18 (2006.01) A61N 1/36 (2006.01)**
[25] EN
[54] **HEADSET FOR TREATMENT AND ASSESSMENT OF MEDICAL CONDITIONS**
[54] **CASQUE POUR LE TRAITEMENT ET L'EVALUATION DE PATHOLOGIES MEDICALES**
[72] DAR, AMIT, IL
[72] BAR-OR, JONATHAN, IL
[72] COHEN, AMIR, IL
[72] BELSON, RON, IL
[73] NEUROLIEF LTD., IL
[85] 2016-09-14
[86] 2014-03-15 (PCT/IB2014/059858)
[87] (WO2014/141213)
[30] US (61/786,701) 2013-03-15

[11] **2,942,953**
[13] C
[51] **Int.Cl. B65B 11/00 (2006.01) B65B 57/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD OF APPLYING STRETCH FILM TO A LOAD**
[54] **SYSTEME ET METHODE D'APPLICATION D'UNE PELLICULE EXTENSIBLE SUR UN CHARGEMENT**
[72] RIEMENSCHNEIDER, PAUL KURT, III, US
[72] CHING, ROBERT EDWARD KWOCK-FAI, US
[72] VENECHUK, LUCAS JAMES, US
[73] RIEMENSCHNEIDER, PAUL KURT, III, US
[86] (2942953)
[87] (2942953)
[22] 2016-09-23
[30] US (62/233,116) 2015-09-25
[30] US (62/233,119) 2015-09-25
[30] US (62/233,123) 2015-09-25
[30] US (62/233,125) 2015-09-25

[11] **2,943,295**
[13] C
[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **CAPSULE WITH STEEPING CHAMBER**
[54] **CAPSULE AVEC CHAMBRE DE TREMPAGE**
[72] TROMBETTA, LIBERATORE A., CA
[72] FU, YUCHENG, CA
[72] PARKINSON, SHELBY, CA
[73] 2266170 ONTARIO INC., CA
[85] 2016-09-20
[86] 2015-03-20 (PCT/CA2015/050214)
[87] (WO2015/139140)
[30] US (61/968,843) 2014-03-21

[11] **2,943,371**
[13] C
[51] **Int.Cl. C04B 38/06 (2006.01) C04B 38/04 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A MACROPOROUS AND MESOPOROUS GEOPOLYMER, WITH CONTROLLED POROSITY**
[54] **PROCEDE DE PREPARATION D'UN GEOPOLYMERE MACROPOREUX ET MESOPOREUX, A POROSITE CONTROLEE**
[72] LAMBERTIN, DAVID, FR
[72] POULESQUEN, ARNAUD, FR
[72] FRIZON, FABIEN, FR
[72] ROOSES, ADRIEN, FR
[72] GOETTMANN, FREDERIC, FR
[73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2016-09-20
[86] 2015-03-27 (PCT/EP2015/056712)
[87] (WO2015/144882)
[30] FR (1452633) 2014-03-27

[11] **2,944,075**
[13] C
[51] **Int.Cl. A61K 9/72 (2006.01) A61K 9/12 (2006.01) A61K 9/14 (2006.01) A61K 31/436 (2006.01)**
[25] EN
[54] **AN INHALABLE RAPAMYCIN FORMULATION FOR TREATING AGE-RELATED CONDITIONS**
[54] **PREPARATION A INHALER CONTENANT DE LA RAPAMYCINE POUR TRAITER LES PATHOLOGIES LIEES A L'AGE**
[72] ARMER, THOMAS, US
[72] MELVIN, LAWRENCE S., US
[72] ROTHBERG, JONATHAN M., US
[72] LICHENSTEIN, HENRI, US
[73] AI THERAPEUTICS, INC., US
[85] 2016-09-26
[86] 2015-04-06 (PCT/US2015/024551)
[87] (WO2015/154084)
[30] US (61/975,127) 2014-04-04

[11] **2,944,092**
[13] C
[51] **Int.Cl. E05D 7/081 (2006.01) A47K 3/36 (2006.01) E05F 1/06 (2006.01) E05F 7/02 (2006.01)**
[25] EN
[54] **SHOWER DOOR HINGE MECHANISM**
[54] **MECANISME DE CHARNIERE DE PORTE DE DOUCHE**
[72] CAFFREY, MATTHEW, GB
[72] YOUNG, MARSHALL, GB
[72] JARVIS, ROBERT ALAN, GB
[73] CORAM UK HOLDING LIMITED, GB
[85] 2016-09-27
[86] 2015-03-30 (PCT/EP2015/056932)
[87] (WO2015/144940)
[30] GB (1405578.4) 2014-03-28

[11] **2,944,304**
[13] C
[51] **Int.Cl. F21V 13/10 (2006.01) F21V 29/70 (2015.01) F21V 29/74 (2015.01) F21K 9/00 (2016.01) F21V 13/02 (2006.01) F21V 17/06 (2006.01)**
[25] EN
[54] **OPTICAL SHIELD FOR NARROW BEAM DISTRIBUTION IN LED FIXTURES**
[54] **ECRAN OPTIQUE PERMETTANT UNE DISTRIBUTION DE FAISCEAU ETROITE DANS DES APPAREILS A DIODES ELECTROLUMINESCENTES**
[72] STATHES, NANCY R., US
[72] COLLADO, FEDERICO, JR., US
[72] RAGHAVAN, RAMESH, US
[73] HUBBELL LIGHTING, INC., US
[85] 2016-09-27
[86] 2015-03-30 (PCT/US2015/023313)
[87] (WO2015/149061)
[30] US (61/971,834) 2014-03-28

[11] **2,945,290**
[13] C
[51] **Int.Cl. E21B 7/24 (2006.01) E21B 12/00 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **DOWNHOLE VIBRATION ENHANCING APPARATUS AND METHOD OF USING AND TUNING THE SAME**
[54] **APPAREIL D'AMELIORATION DE VIBRATION DE FOND DE TROU ET PROCEDE D'UTILISATION ET D'ADAPTATION DE CE DERNIER**
[72] SCHULTZ, ROGER, US
[72] FERGUSON, ANDY, US
[73] THRU TUBING SOLUTIONS, INC., US
[85] 2016-10-05
[86] 2015-04-07 (PCT/US2015/024759)
[87] (WO2015/157318)
[30] US (61/976,241) 2014-04-07

[11] **2,945,569**
[13] C
[51] **Int.Cl. B64D 31/12 (2006.01)**
[25] FR
[54] **METHOD FOR SYNCHRONISING THE ENGINES OF AN AIRPLANE WITH DUAL INTERMEDIATE STATE**
[54] **PROCEDE DE SYNCHRONISATION DES MOTEURS D'UN AVION A DOUBLE ETAT INTERMEDIAIRE**
[72] NOBELEN, FLORENT, FR
[73] SNECMA, FR
[85] 2016-10-12
[86] 2015-04-15 (PCT/FR2015/051027)
[87] (WO2015/159027)
[30] FR (1453373) 2014-04-15

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[13] C
[51] **Int.Cl. B01J 35/00 (2006.01) B01D 53/94 (2006.01) B01J 23/42 (2006.01)**
[25] EN
[54] **INTEGRATED LNT-TWC CATALYST**
[54] **CATALYSEUR LNT-TWC INTEGRE**
[72] XUE, WEN-MEI, US
[72] ATTILIO, SIANI, DE
[72] HOCHMUTH, JONN K., US
[72] KINNE, MARKUS, DE
[72] KIELBASSA, STEFAN, DE
[73] BASF CORPORATION, US
[85] 2016-10-17
[86] 2015-03-19 (PCT/US2015/021523)
[87] (WO2015/143191)
[30] US (61/968,669) 2014-03-21
[30] US (14/658,486) 2015-03-16

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[13] C
[51] **Int.Cl. E02D 7/02 (2006.01) E02D 11/00 (2006.01) E02D 27/00 (2006.01)**
[25] FR
[54] **FASTENER FOR CONSTRUCTION ELEMENT**
[54] **FIXATION POUR ELEMENT DE CONSTRUCTION**
[72] SERVAIS, PIERRE, BE
[72] SERVAIS, BERNARD, BE
[73] RBS SPRL, BE
[85] 2016-10-19
[86] 2015-05-28 (PCT/EP2015/061846)
[87] (WO2015/197302)
[30] BE (BE2014/0495) 2014-06-26

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[13] C
[51] **Int.Cl. C07D 513/04 (2006.01) A61K 31/437 (2006.01) A61K 31/5025 (2006.01) A61K 31/519 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **BICYCLIC OR TRICYCLIC HETEROCYCLIC COMPOUND**
[54] **COMPOSE HETEROCYCLIQUE BICYCLE OU TRICYCLE**
[72] OKUYAMA, MASAHIRO, JP
[72] FUKUNAGA, KENJI, JP
[72] USUI, KENJI, JP
[72] HAYASHI, NORIMITSU, JP
[72] IIJIMA, DAISUKE, JP
[72] HORIUCHI, HIDEKI, JP
[72] ITAGAKI, NORIAKI, JP
[73] MITSUBISHI TANABE PHARMA CORPORATION, JP
[85] 2016-10-21
[86] 2015-04-22 (PCT/JP2015/062165)
[87] (WO2015/163339)
[30] JP (2014-089185) 2014-04-23

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[13] C
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/18 (2006.01) F02C 7/36 (2006.01) F16H 57/04 (2010.01) F16N 31/00 (2006.01)**
[25] FR
[54] **TURBINE ENGINE MODULE COMPRISING A CASING AROUND A DEVICE WITH A COVER FOR RECOVERING LUBRICATING OIL**
[54] **MODULE DE TURBOMACHINE COMPORTANT UN CARTER AUTOUR D'UN EQUIPEMENT AVEC UN CAPOT DE RECUPERATION D'HUILE DE LUBRIFICATION**
[72] PIKOVSKY, CATHERINE, FR
[72] FARVACQUE, BENOIT GUILLAUME, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-10-25
[86] 2015-04-29 (PCT/FR2015/051162)
[87] (WO2015/166189)
[30] FR (1453919) 2014-04-30

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[13] C
[51] **Int.Cl. B01J 2/02 (2006.01) B22F 9/02 (2006.01) H05H 1/46 (2006.01)**
[25] EN
[54] **METHOD FOR THE DENSIFICATION AND SPHEROIDIZATION OF SOLID AND SOLUTION PRECURSOR DROPLETS OF MATERIALS USING PLASMA**
[54] **PROCEDE POUR LA DENSIFICATION ET LA SPHEROIDISATION DE GOUTTELETTES DE PRECURSEUR SOLIDE ET DE SOLUTION DE MATERIAUX A L'AIDE D'UN PLASMA**
[72] HADIDI, KAMAL, US
[72] REDJDAL, MAKHLOUF, US
[73] 6K INC., US
[85] 2016-10-31
[86] 2014-05-14 (PCT/US2014/000091)
[87] (WO2015/174949)

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[11] **2,947,776**
[13] C
[51] **Int.Cl. C30B 33/00 (2006.01) B02C 15/00 (2006.01) C30B 29/02 (2006.01) C30B 29/64 (2006.01)**
[25] EN
[54] **LARGE SCALE PRODUCTION OF THINNED GRAPHITE, GRAPHENE, AND GRAPHITE-GRAPHENE COMPOSITES**
[54] **PRODUCTION A GRANDE ECHELLE DE GRAPHITE FLUIDIFIE, GRAPHENE, ET COMPOSITES GRAPHITE-GRAPHENE**
[72] BOZALINA, MARIE, CA
[72] NAZARPOUR, SOROUSH, CA
[72] PERRET, PHILIPPE, CA
[73] NANOXPLORE INC., CA
[85] 2016-11-02
[86] 2015-06-08 (PCT/CA2015/050525)
[87] (WO2015/184555)
[30] US (62/008,729) 2014-06-06
[30] US (62/035,963) 2014-08-11

[11] **2,948,106**
[13] C
[51] **Int.Cl. G06F 21/62 (2013.01) G06Q 40/02 (2012.01) G06Q 40/08 (2012.01) G06Q 10/00 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHOD FOR TRACKING BEHAVIOR OF NETWORKED DEVICES USING HYBRID PUBLIC-PRIVATE BLOCKCHAIN LEDGERS**
[54] **SYSTEME ET METHODE DE SUIVI DE COMPORTEMENT DE DISPOSITIFS EN RESEAU AU MOYEN DE REGISTRE A CHAINE DE BLOCAGE PUBLIC-PRIVE HYBRIDE**
[72] HALDENBY, PERRY AARON JONES, CA
[72] MAHADEVAN, RAJAN, CA
[72] LEE, JOHN JONG SUK, CA
[72] CHAN, PAUL MON-WAH, CA
[72] DEL VECCHIO, ORIN, CA
[73] THE TORONTO-DOMINION BANK, CA
[86] (2948106)
[87] (2948106)
[22] 2016-11-09
[30] US (14/935,829) 2015-11-09

[11] **2,948,548**
[13] C
[51] **Int.Cl. G01N 33/574 (2006.01) C12Q 1/37 (2006.01) G01N 33/573 (2006.01)**
[25] EN
[54] **METHIONINE AMINOPEPTIDASE OVEREXPRESSION IN THE PERIPHERAL BLOOD AND PERIPHERAL BLOOD MONONUCLEAR CELLS IS A MARKER FOR COLORECTAL CANCER SCREENING, DIAGNOSIS AND PROGNOSIS**
[54] **LA SUREXPRESSION DE METHIONINE AMINOPEPTIDASE DANS LE SANG PERIPHERIQUE ET LES CELLULES MONONUCLEAIRES DE SANG PERIPHERIQUE EST UN MARQUEUR POUR LE DEPISTAGE, LE DIAGNOSTIC ET LE PRONOSTIC DU CANCER COLORECTAL**
[72] SHRIVASTAV, ANURAAG, CA
[72] SHRIVASTAV, SHAILLY, CA
[73] VASTCON, CA
[85] 2016-11-09
[86] 2015-05-13 (PCT/CA2015/050432)
[87] (WO2015/172249)
[30] US (61/992,554) 2014-05-13

[11] **2,949,305**
[13] C
[51] **Int.Cl. C01B 25/45 (2006.01) H01M 4/136 (2010.01) H01M 4/1397 (2010.01)**
[25] EN
[54] **PROCESSES FOR PRODUCING LIMXO4 AND PRODUCTS THEREOF**
[54] **PROCEDES DE PRODUCTION DE LIMOX4 ET PRODUITS ASSOCIES**
[72] GAUTHIER, MICHEL, CA
[72] CHARTRAND, PATRICE, CA
[72] TALEBI-ESFANDARANI, MAJID, CA
[72] SAURIOL, PIERRE, CA
[72] DOLLE MICKAEL, CA
[72] DUFOUR, JASMIN, CA
[72] LIANG, GUOXIAN, CA
[73] LA CORPORATION DE L'ECOLE POLYTECHNIQUE DE MONTREAL, CA
[73] UNIVERSITE DE MONTREAL, CA
[73] UNIVERSITE DE MONTREAL, CA
[85] 2016-11-16
[86] 2015-05-26 (PCT/CA2015/050474)
[87] (WO2015/179972)
[30] US (62/002,958) 2014-05-26

[11] **2,949,676**
[13] C
[51] **Int.Cl. A61B 3/113 (2006.01) G02C 13/00 (2006.01)**
[25] FR
[54] **METHOD OF DETERMINING AT LEAST ONE PARAMETER OF VISUAL BEHAVIOUR OF AN INDIVIDUAL**
[54] **PROCEDE DE DETERMINATION D'AU MOINS UN PARAMETRE DE COMPORTEMENT VISUEL D'UN INDIVIDU**
[72] BONNIN, THIERRY, FR
[72] ESCALIER, GUILHEM, FR
[72] HADDADI, AHMED, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2016-11-18
[86] 2015-05-19 (PCT/FR2015/051314)
[87] (WO2015/177459)
[30] FR (1454547) 2014-05-20

[11] **2,949,683**
[13] C
[51] **Int.Cl. A61B 5/103 (2006.01) G02C 13/00 (2006.01)**
[25] FR
[54] **METHOD OF DETERMINING AT LEAST ONE BEHAVIOURAL PARAMETER**
[54] **PROCEDE DE DETERMINATION D'AU MOINS UN PARAMETRE COMPORTEMENTAL**
[72] BARANTON, KONOGAN, FR
[72] ESCALIER, GUILHEM, FR
[72] GAYAT, SEBASTIEN, FR
[73] ESSILOR INTERNATIONAL, FR
[85] 2016-11-18
[86] 2015-05-19 (PCT/FR2015/051316)
[87] (WO2015/177461)
[30] FR (1454548) 2014-05-20

[11] **2,949,775**
[13] C
[51] **Int.Cl. B66C 1/10 (2006.01) B65G 1/04 (2006.01) B65G 47/90 (2006.01)**
[25] EN
[54] **CONTAINER RAISING/LOWERING CONVEYANCE APPARATUS**
[54] **APPAREIL DE TRANSPORT AVEC ELEVATION/ABAISSEMENT DE CONTENEUR**
[72] KYOTANI, HISASHI, JP
[72] OGAWA, KAZUKI, JP
[73] DAIFUKU CO., LTD., JP
[85] 2016-11-21
[86] 2015-06-04 (PCT/JP2015/066194)
[87] (WO2015/190394)
[30] JP (2014-122244) 2014-06-13

[11] **2,950,483**
[13] C
[51] **Int.Cl. A61K 9/12 (2006.01) A61J 1/20 (2006.01) A61P 9/14 (2006.01)**
[25] EN
[54] **METHODS, DEVICES, SYSTEMS AND KITS FOR PREPARING COMPOSITIONS FOR CARE AND REPAIR OF VARICOSE VEINS**
[54] **PROCEDES, DISPOSITIFS, SYSTEMES ET KITS DE PREPARATION DE COMPOSITIONS POUR LE SOIN ET LA REPARATION DE VEINES VARIQUEUSES**
[72] PUIG DOMENECH, ANTONI, ES
[72] ROCHE REBOLLO, ENRIQUE, ES
[72] LLUSA MELENDEZ, GUIU, ES
[72] PUIG HERRERA, JORDI, ES
[73] VASCULAR BARCELONA DEVICES, S.L., ES
[85] 2016-11-28
[86] 2015-06-02 (PCT/EP2015/062265)
[87] (WO2015/185554)
[30] ES (P201430845) 2014-06-03

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[13] C
[51] **Int.Cl. B03B 9/00 (2006.01) C10L 9/00 (2006.01) C21B 5/00 (2006.01)**
[25] EN
[54] **FINE PARTICLE COAL, AND SYSTEMS, APPARATUSES, AND METHODS FOR COLLECTING AND USING THE SAME**
[54] **CHARBON A PARTICULES FINES ET SYSTEMES, APPAREILS ET PROCEDES PERMETTANT DE LE RECUEILLIR ET DE L'UTILISER**
[72] TROIANO, RICHARD, US
[73] SOMERSET INTERNATIONAL, INC., US
[85] 2016-11-28
[86] 2015-05-28 (PCT/US2015/032878)
[87] (WO2015/187450)
[30] US (62/008,389) 2014-06-05

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[11] **2,950,587**
[13] C
[51] **Int.Cl. C07D 487/04 (2006.01)**
[25] EN
[54] **RADIOLABELLED DERIVATIVES OF A 2-AMINO-6-FLUORO-N-[5-FLUORO-PYRIDIN-3-YL]-PYRAZOLO[1,5-A]PYRIMIDIN-3-CARBOXAMIDE COMPOUND USEFUL AS ATR KINASE INHIBITOR, THE PREPARATION OF SAID COMPOUND AND DIFFERENT SOLID FORMS THEREOF**
[54] **DERIVES RADIOMARQUES D'UN COMPOSE 2-AMINO-6-FLUORO-N-[5-FLUORO-PYRIDIN-3-YL]-PYRAZOLO[1,5-A]PYRIMIDINE-3-CARBOXAMIDE UTILE COMME INHIBITEUR DE LA KINASE ATR, PREPARATION DUDIT COMPOSE, ET DIFFERENTES FORMES SOLIDES_ASSOCIEES**
[72] AHMAD, NADIA, GB
[72] CHARRIER, JEAN-DAMIEN, GB
[72] DAVIS, CHRIS, GB
[72] ETXEBARRIA I JARDI, GORKA, GB
[72] FRAYSSE, DAMIEN, GB
[72] KNEGTEL, RONALD, GB
[72] PANESAR, MANINDER, GB
[72] PIERARD, FRANCOISE, GB
[72] PINDER, JOANNE, GB
[72] STORCK, PIERRE-HENRI, GB
[72] STUDLEY, JOHN, GB
[73] VERTEX PHARMACEUTICALS INCORPORATED, US
[85] 2016-11-28
[86] 2015-05-28 (PCT/US2015/032879)
[87] (WO2015/187451)
[30] US (62/008,277) 2014-06-05

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[13] C
[51] **Int.Cl. E21B 10/60 (2006.01) E21B 7/24 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **DOWNHOLE VIBRATORY BYPASS TOOL**
[54] **OUTIL DE DERIVATION DES VIBRATIONS DE FOND DE TROU**
[72] SCHULTZ, ROGER, US
[72] FERGUSON, ANDY, US
[73] THRU TUBING SOLUTIONS, INC., US
[85] 2016-12-06
[86] 2015-06-11 (PCT/US2015/035381)
[87] (WO2015/191889)
[30] US (62/010,546) 2014-06-11

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[11] **2,951,574**
[13] C
[51] **Int.Cl. B22D 7/00 (2006.01) C22B 9/20 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A LOW-ALLOY STEEL INGOT**
[54] **PROCEDE POUR FABRIQUER UN LINGOT D'ACIER FAIBLEMENT ALLIE**
[72] FERRER, LAURENT, FR
[72] BINOT, NICOLAS, FR
[73] SAFRAN LANDING SYSTEMS, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-07
[86] 2015-06-03 (PCT/EP2015/062406)
[87] (WO2015/189083)
[30] FR (1455202) 2014-06-10

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[11] **2,951,864**
[13] C
[51] **Int.Cl. E21B 33/06 (2006.01)**
[25] EN
[54] **MULTI-CAVITY BLOWOUT PREVENTER**
[54] **BLOC OBTURATEUR DE PUITS A CAVITES MULTIPLES**
[72] HOLLAND, WILLIAM RINEHART, JR., US
[73] AXON PRESSURE PRODUCTS, INC., US
[85] 2016-12-09
[86] 2015-06-09 (PCT/US2015/034894)
[87] (WO2015/191574)
[30] US (62/010,701) 2014-06-11

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[11] **2,952,175**
[13] C
[51] **Int.Cl. C02F 3/30 (2006.01)**
[25] EN
[54] **WASTEWATER TREATMENT SYSTEM**
[54] **SYSTEME DE TRAITEMENT DES EAUX USEES**
[72] HARTWICK, JOHN, US
[72] LARSEN, THOMAS J., US
[72] PAMPERIN, MARK FRANKLIN, US
[73] EVOQUA WATER TECHNOLOGIES LLC, US
[85] 2016-12-13
[86] 2015-07-29 (PCT/US2015/042624)
[87] (WO2016/053456)
[30] US (14/505,583) 2014-10-03

[11] **2,952,300**
[13] C
[51] **Int.Cl. C07D 215/56 (2006.01) A61K 31/47 (2006.01) A61P 31/04 (2006.01)**
[25] EN
[54] **NOVEL FLUOROQUINOLONES AND USE THEREOF TO TREAT BACTERIAL INFECTIONS**
[54] **NOUVEAUX FLUOROQUINOLONES ET LEUR UTILISATION POUR TRAITER DES INFECTIONS BACTERIENNES**
[72] AUBRY, ALEXANDRA, FR
[72] ANQUETIN, GUILLAUME, FR
[73] SORBONNE UNIVERSITE, FR
[85] 2016-12-14
[86] 2015-06-18 (PCT/EP2015/063752)
[87] (WO2015/193454)
[30] EP (14173040.8) 2014-06-18

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[13] C
[51] **Int.Cl. A61K 38/00 (2006.01) A61K 38/16 (2006.01) A61P 11/06 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **METHODS TO TREAT INFLAMMATION OF THE LUNG**
[54] **METHODES POUR TRAITER L'INFLAMMATION DU POUMON**
[72] KACHLANY, SCOTT, US
[72] BELINKA, BENJAMIN, US
[73] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US
[73] ACTINOBAC BIOMED, INC., US
[85] 2016-12-16
[86] 2015-06-19 (PCT/US2015/036814)
[87] (WO2015/196159)
[30] US (62/014,967) 2014-06-20

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[51] **Int.Cl. F02C 7/057 (2006.01) F02C 7/04 (2006.01)**
[25] FR
[54] **AIR GUIDANCE DEVICE FOR A TURBOMACHINE**
[54] **DISPOSITIF DE GUIDAGE D'AIR POUR TURBOMACHINE**
[72] COUILLEAUX, ALEXANDRE, FR
[72] FERRIER, ROMAIN, FR
[72] SIRVIN, NICOLAS, FR
[73] SAFRAN AIRCRAFT ENGINES, FR
[85] 2016-12-20
[86] 2015-07-02 (PCT/FR2015/051844)
[87] (WO2016/001602)
[30] FR (FR1456407) 2014-07-03

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[51] **Int.Cl. G01V 15/00 (2006.01) H01Q 1/38 (2006.01) H01Q 7/00 (2006.01) G08B 13/24 (2006.01)**
[25] EN
[54] **THERMAL SCALE RADIO FREQUENCY LABEL**
[54] **ETIQUETTE RADIOFREQUENCE A ECHELLE THERMIQUE**
[72] WHEELER, NOLAN, CA
[72] GEISLER, VINCE, CA
[73] SYNQ ACCESS + SECURITY TECHNOLOGY LTD., CA
[86] (2953589)
[87] (2953589)
[22] 2017-01-05
[30] CA (2916700) 2016-01-05

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[13] C
[51] **Int.Cl. E21B 23/04 (2006.01) E21B 17/00 (2006.01) E21B 41/00 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL FOR GUIDING A CUTTING TOOL**
[54] **OUTIL DE FOND DE TROU CONCU POUR GUIDER UN OUTIL DE COUPE**
[72] WATSON, BROCK, US
[72] SCHULTZ, ROGER, US
[73] THRU TUBING SOLUTIONS, INC., US
[85] 2017-01-11
[86] 2015-06-26 (PCT/US2015/038092)
[87] (WO2016/010716)
[30] US (62/025,295) 2014-07-16

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[25] EN
[54] **APPARATUS AND METHOD FOR PRODUCING OPTICAL EFFECT LAYERS**
[54] **APPAREIL ET PROCEDE DE PRODUCTION DE COUCHES A EFFET OPTIQUE**
[72] LOGINOV, EVGENY, CH
[72] MULLER, EDGAR, CH
[72] SCHMID, MATHIEU, CH
[72] DESPLAND, CLAUDE-ALAIN, CH
[72] DEGOTT, PIERRE, CH
[73] SICPA HOLDING SA, CH
[85] 2017-01-12
[86] 2015-08-19 (PCT/EP2015/069048)
[87] (WO2016/026896)
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[25] EN
[54] **ITEM MAPS FOR APP STORE APPS**
[54] **CARTES D'ARTICLES POUR DES APPLICATIONS DE MAGASIN D'APPLICATIONS**
[72] MOWATT, DAVID, US
[72] BERGLUND, KURT, US
[72] BALA, ARAVIND, US
[72] AHS, DAVID, US
[73] MICROSOFT TECHNOLOGY LICENSING, LLC, US
[85] 2017-01-13
[86] 2015-08-06 (PCT/US2015/043896)
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[30] US (14/455,833) 2014-08-08

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[51] **Int.Cl. C08K 5/527 (2006.01) C07F 9/6574 (2006.01) C09K 15/32 (2006.01)**
[25] EN
[54] **3-PHENYL-BENZOFURAN-2-ONE DIPHOSPHITE DERIVATIVES AS STABILIZERS**
[54] **DERIVES DE 3-PHENYL-BENZOFURAN-2-ONE DIPHOSPHITE UTILISES EN TANT QUE STABILISANTS**
[72] HOELZL, WERNER, FR
[72] ROTZINGER, BRUNO, CH
[72] SCHOENING, KAI-UWE, CH
[72] KING, ROSWELL EASTON, US
[73] BASF SE, DE
[85] 2017-01-16
[86] 2015-08-03 (PCT/EP2015/067808)
[87] (WO2016/020322)
[30] EP (14179922.1) 2014-08-05

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[51] **Int.Cl. E04C 5/12 (2006.01)**
[25] EN
[54] **CARTRIDGE FOR RETAINING A SHEATHING OF A TENDON WITHIN AN ANCHOR ASSEMBLY**
[54] **CARTOUCHE POUR MAINTENIR UN GAINAGE D'UNE ARMATURE DE PRECONTRAINTE A L'INTERIEUR D'UN ENSEMBLE ANCRE**
[72] SORKIN, FELIX L., US
[73] SORKIN, FELIX L., US
[85] 2017-01-23
[86] 2015-06-25 (PCT/US2015/037611)
[87] (WO2016/014207)
[30] US (14/339,822) 2014-07-24

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[25] EN
[54] **DEVICE FOR FILLING A RECEPTACLE**
[54] **DISPOSITIF POUR REMPLIR UN CONTENANT**
[72] ARLETH, WERNER, DE
[72] KRAUSS, ULRICH, DE
[72] PFEIFFER, STEFAN, DE
[72] RUNFT, WERNER, DE
[72] JUNKER, STEFAN, DE
[72] WINDSHEIMER, JOSHUA, DE
[72] RAPPOLD, ANDREAS, DE
[72] PETERS, JOCHEN, DE
[72] FRANGEN, JOACHIM, DE
[72] ZIEGLER, JOCHEN, DE
[72] ULLMANN, OLIVER, DE
[72] HANISCH, MARKUS, DE
[72] EBERHARDT, ALBERT, DE
[72] BANDTEL, DIETER, DE
[72] GRAN, SEBASTIAN, DE
[73] SYNTEGON TECHNOLOGY GMBH, DE
[85] 2017-01-24
[86] 2015-06-15 (PCT/EP2015/063301)
[87] (WO2016/012157)
[30] DE (102014214697.6) 2014-07-25

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[51] **Int.Cl. G01J 3/36 (2006.01) H01L 31/18 (2006.01)**
[25] EN
[54] **FABRICATING A SENSOR DEVICE**
[54] **FABRICATION D'UN DISPOSITIF CAPTEUR**
[72] OCKENFUSS, GEORG J., US
[73] VIAVI SOLUTIONS INC., US
[86] (2957193)
[87] (2957193)
[22] 2017-02-06
[30] US (62/294,982) 2016-02-12

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[25] EN
[54] **CATIONIC LIPID FOR NUCLEIC ACID DELIVERY**
[54] **LIPIDE CATIONIQUE DESTINE A L'ADMINISTRATION D'ACIDES NUCLEIQUES**
[72] SASAKI, SHOTA, JP
[72] OTA, MASAKI, JP
[72] KUBO, KAZUHIRO, JP
[72] HARASHIMA, HIDEYOSHI, JP
[72] AKITA, HIDETAKA, JP
[72] HATAKEYAMA, HIROTO, JP
[72] NOGUCHI, YUKI, JP
[72] TANGE, KOTA, JP
[72] NAKAI, YUTA, JP
[72] SHIMIZU, NAYUTA, JP
[73] NOF CORPORATION, JP
[73] NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY, JP
[85] 2017-02-17
[86] 2015-08-07 (PCT/JP2015/072476)
[87] (WO2016/027699)
[30] JP (2014-166041) 2014-08-18

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[51] **Int.Cl. A01K 1/01 (2006.01)**
[25] EN
[54] **DEVICE FOR THE MAINTENANCE OF FLOOR COVER MATERIAL PRESENT ON AN ANIMAL-SHED FLOOR**
[54] **DISPOSITIF D'ENTRETIEN DE MATERIAU DE COUVERTURE DE SOL PRESENT SUR UN SOL D'ABRI POUR LES ANIMAUX**
[72] FRANSEN, RENATUS IGNATIUS JOSEPHUS, NL
[72] VAN DEN BERG, KAREL, NL
[72] REGELINK, FRANK GERARD, NL
[73] LELY PATENT N.V., NL
[85] 2017-02-24
[86] 2015-08-18 (PCT/NL2015/050581)
[87] (WO2016/036240)
[30] NL (2013400) 2014-09-02

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[13] C
[51] **Int.Cl. B62D 53/06 (2006.01) B62D 21/14 (2006.01)**
[25] EN
[54] **HEAVY LOAD TRANSPORT VEHICLE WITH VARIABLE WIDTH**
[54] **VEHICULE DE TRANSPORT DE CHARGES LOURDES A LARGEUR VARIABLE**
[72] NABECK, SVEN, DE
[72] HAUF, REINHARD, DE
[73] SCHEUERLE FAHRZEUGFABRIK GMBH, DE
[85] 2017-03-09
[86] 2016-03-31 (PCT/EP2016/000540)
[87] (WO2016/162115)
[30] DE (10 2015 004 288.2) 2015-04-08
[30] DE (20 2015 002 529.3) 2015-04-08

[11] **2,961,471**
[13] C
[51] **Int.Cl. C09K 8/68 (2006.01) C09K 8/524 (2006.01) E21B 43/26 (2006.01)**
[25] EN
[54] **AQUEOUS NON-EMULSIFIED BREAKER COMPOSITION COMPRISING TERTBUTYL HYDROXIDE AND A SELECT ALCOHOL, WHICH COMPOSITION PREVENTS REHEALING OF A FRACTURING FLUID**
[54] **COMPOSITION DE SOLVANT NON EMULSIFIE AQUEUX COMPRENANT DE L'HYDROXYDE DETERT-BUTYLE ET UN ALCOOL SELECTIONNE, LA COMPOSITION EMPECHANT LE RETOURDU FLUIDE DE FRACTURATION A SA FORME INITIALE**
[72] DESPOTOPOULOU, MARINA, US
[72] PALYS, LEONARD H., US
[72] ABRAMS, MICHAEL B., US
[72] BRENNAN, JOSEPH M., US
[72] SWAN, SCOT A., US
[73] ARKEMA INC., US
[85] 2017-03-15
[86] 2015-09-03 (PCT/US2015/048213)
[87] (WO2016/043977)
[30] US (62/052,555) 2014-09-19

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[13] C
[51] **Int.Cl. B60N 2/00 (2006.01) B60N 2/75 (2018.01) B60N 2/02 (2006.01) B60N 2/06 (2006.01) B60N 2/14 (2006.01) B60N 2/18 (2006.01) B60N 2/22 (2006.01) B60N 2/34 (2006.01) B60N 2/66 (2006.01) B64D 11/06 (2006.01)**
[25] EN
[54] **AIRCRAFT SEAT**
[54] **SIEGE D'AVION**
[72] ERHEL, PHILIPPE, CA
[73] BOMBARDIER INC., CA
[85] 2017-03-21
[86] 2015-09-24 (PCT/US2015/051971)
[87] (WO2016/049331)
[30] GB (1417014.6) 2014-09-26

[11] **2,966,422**
[13] C
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/00 (2006.01) A61K 38/16 (2006.01) A61K 38/26 (2006.01) A61K 38/28 (2006.01) A61K 47/28 (2006.01) A61K 47/36 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR BILE ACID PARTICLES**
[54] **COMPOSITIONS ET PROCEDES POUR DES PARTICULES D'ACIDE BILIAIRE**
[72] BAE, YOU HAN, US
[72] LEE, YONG-KYU, KR
[72] NURUNNABI, MD, KR
[72] HWANG, HEE SOOK, US
[72] KWAG, DONGSUB, KR
[73] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
[73] BAE, YOU HAN, US
[73] LEE, YONG-KYU, KR
[73] NURUNNABI, MD, KR
[73] HWANG, HEE SOOK, US
[73] KWAG, DONGSUB, KR
[85] 2017-04-28
[86] 2015-10-30 (PCT/US2015/058375)
[87] (WO2016/070082)
[30] US (62/073,588) 2014-10-31

[11] **2,966,490**
[13] C
[51] **Int.Cl. G01N 3/30 (2006.01) F42B 5/02 (2006.01) F42B 8/14 (2006.01) F42B 12/34 (2006.01) F42B 12/36 (2006.01) F42B 12/74 (2006.01)**
[25] FR
[54] **SOLID PROJECTILE WITHOUT STABILIZING STRUCTURE FOR BIRD STRIKE TESTS CONSISTING OF A GEL COMPRISING GLYCEROL**
[54] **PROJECTILE SOLIDE SANS STRUCTURE DE STABILISATION POUR LES TESTS D'IMPACTS D'OISEAUX CONSTITUE D'UN GEL COMPORTANT DU GLYCEROL**
[72] BRESSAN, CHRISTIAN, FR
[72] ETCHETO, HENRI, FR
[72] DENAUX, DAVID, FR
[72] VIDAL, GEORGES, FR
[72] DIULIUS, GERARD, FR
[72] SARRAZAC, PATRICK, FR
[72] JEAN MARIE, CHRISTIAN, FR
[73] ETAT FRANCAIS REPRESENTE PAR LE DELEGUE GENERAL POUR L'ARMEMENT, FR
[85] 2017-05-01
[86] 2015-11-06 (PCT/FR2015/000204)
[87] (WO2016/071587)
[30] FR (1402511) 2014-11-06

[11] **2,966,810**
[13] C
[51] **Int.Cl. C07D 401/04 (2006.01)**
[25] EN
[54] **PREPARATION METHOD FOR REVAPRAZAN HYDROCHLORIDE**
[54] **PROCEDE DE PREPARATION DE CHLORHYDRATE DE REVAPRAZAN**
[72] LIU, WENZHENG, CN
[72] WANG, GUOCHENG, CN
[72] HOU, QINGWEI, CN
[72] CUI, QIAOPING, CN
[72] ZHU, ZHANYUAN, CN
[72] LIU, JINPING, CN
[72] YANG, MINGBO, CN
[72] MENG, HONGGUANG, CN
[73] JIANGSU TASLY DIYI PHARMACEUTICAL CO., LTD., CN
[85] 2017-05-04
[86] 2015-11-12 (PCT/CN2015/094462)
[87] (WO2016/078542)
[30] CN (201410665839.7) 2014-11-19

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[13] C
[51] **Int.Cl. A01J 5/04 (2006.01) A01J 5/08 (2006.01) A01J 5/16 (2006.01)**
[25] EN
[54] **SHORT MILK TUBE WITH PROTECTIVE VENT FOR A DAIRY ANIMAL MILKER UNIT**
[54] **TUBE DE LAIT COURT AVEC EVENTPROTECTEUR POUR UNITE DE TRAITE D'ANIMAL LAITIER**
[72] HEDLUND, NATHAN, US
[73] GEA FARM TECHNOLOGIES GMBH, DE
[73] GEA FARM TECHNOLOGIES, INC., US
[85] 2017-05-05
[86] 2015-11-06 (PCT/US2015/059483)
[87] (WO2016/073861)
[30] US (62/077,158) 2014-11-07

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[13] C
[51] **Int.Cl. A61K 31/225 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **METHODS OF TREATING MULTIPLE SCLEROSIS**
[54] **METHODES DE TRAITEMENT DE LA SCLEROSE EN PLAQUES**
[72] NOVAS, MARK, US
[72] ZHANG, RUI (RAY), US
[73] BIOGEN MA INC., US
[85] 2017-03-16
[86] 2015-11-16 (PCT/US2015/060850)
[87] (WO2016/081355)
[30] US (62/080,783) 2014-11-17
[30] US (62/140,255) 2015-03-30
[30] US (62/232,963) 2015-09-25

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[13] C
[51] **Int.Cl. H02K 19/14 (2006.01) H02K 7/00 (2006.01) H02K 7/20 (2006.01) H02K 16/00 (2006.01) H02K 21/46 (2006.01) H02K 5/132 (2006.01) H02K 17/16 (2006.01) H02K 21/14 (2006.01)**
[25] EN
[54] **LINE START PERMANENT MAGNET MOTOR USING A MODULAR ROTOR**
[54] **MOTEUR A AIMANT PERMANENT A DEMARRAGE EN LIGNE UTILISANT UN ROTOR MODULAIRE**
[72] HEAD, PHILIP, GB
[72] MANSIR, HASSAN, GB
[73] CORETEQ SYSTEMS LTD, GB
[85] 2017-05-11
[86] 2014-11-17 (PCT/EP2014/074803)
[87] (WO2015/071468)
[30] GB (1320246.0) 2013-11-15

[11] **2,969,204**
[13] C
[51] **Int.Cl. B65B 51/10 (2006.01) B65B 9/08 (2012.01)**
[25] EN
[54] **HORIZONTAL PILLOW PACKING APPARATUS AND HORIZONTAL PILLOW PACKING METHOD**
[54] **APPAREIL D'EMBALLAGE DE COUSSIN HORIZONTAL ET METHODE D'EMBALLAGE DE COUSSIN HORIZONTAL**
[72] NOMURA, MITSUO, JP
[73] NISSHIN SEIFUN GROUP INC., JP
[85] 2017-05-29
[86] 2015-11-12 (PCT/JP2015/081836)
[87] (WO2016/088527)
[30] JP (2014-243683) 2014-12-02

[11] **2,971,040**
[13] C
[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **ARRANGING FOR SHIPMENT OF A PACKAGE WITHOUT GENERATING A SHIPPING LABEL**
[54] **ORGANISATION DE L'EXPEDITION D'UN COLIS SANS GENERER D'ETIQUETTE D'EXPEDITION**
[72] GILLEN, ROBERT J., US
[72] LEWIS, MARK S., US
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US
[86] (2971040)
[87] (2971040)
[22] 2013-03-06
[62] 2,871,416
[30] US (13/456,922) 2012-04-26

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[13] C
[51] **Int.Cl. A01L 11/00 (2006.01) A01L 1/00 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A HORSESHOE**
[54] **PROCEDE DE FABRICATION D'UN FER A CHEVAL**
[72] ROORYCK, THIBAUT, FR
[72] ROORYCK, MAXIME, FR
[73] VALUE FEET, FR
[85] 2017-06-16
[86] 2015-12-24 (PCT/FR2015/053753)
[87] (WO2016/116677)
[30] FR (1550442) 2015-01-20

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[13] C
[51] **Int.Cl. A61K 39/00 (2006.01) C07K 16/00 (2006.01)**
[25] EN
[54] **HUMANIZED ALPHA-ENOLASE SPECIFIC ANTIBODIES AND METHODS OF USES IN CANCER THERAPY**
[54] **ANTICORPS HUMANISES SPECIFIQUES DE L'ALPHA-ENOLASE ET METHODES D'UTILISATION EN THERAPIE ANTICANCEREUSE**
[72] TSAI, SHIH-CHONG, TW
[72] YUAN, TA-TUNG, TW
[72] TSENG, SHIH-CHI, TW
[72] LAI, JIANN-SHIUN, TW
[72] WU, CHIA-CHENG, TW
[72] HUANG, CHAO-YANG, TW
[72] TSAI, YA-WEI, TW
[72] LOK, YING-YUNG, TW
[72] WU, CHUNG-HSIUN, TW
[72] SHIH, NENG-YAO, TW
[72] LIU, KO-JIUNN, TW
[72] CHEN, LI-TZONG, TW
[73] NATIONAL HEALTH RESEARCH INSTITUTES, TW
[73] DEVELOPMENT CENTER FOR BIOTECHNOLOGY, TW
[85] 2017-06-27
[86] 2014-12-31 (PCT/US2014/073013)
[87] (WO2016/108894)

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[13] C
[51] **Int.Cl. C02F 1/461 (2006.01) C02F 1/46 (2006.01) C02F 1/66 (2006.01) C02F 1/467 (2006.01)**
[25] EN
[54] **ELECTROLYTIC CARTRIDGE, SYSTEMS AND METHODS OF USING SAME**
[54] **CARTOUCHE ELECTROLYTIQUE, SYSTEMES ET PROCEDES D'UTILISATION DE CETTE DERNIERE**
[72] SWARTZ, JAMES B., US
[72] MOYER, JAMES I., US
[72] HAZELWOOD, JOHN, US
[72] ROSSOM, JAMES D., US
[73] SPRAYING SYSTEMS CO., US
[85] 2017-07-25
[86] 2016-02-04 (PCT/US2016/016563)
[87] (WO2016/126940)
[30] US (62/111,980) 2015-02-04

[11] **2,975,296**
[13] C
[51] **Int.Cl. H04W 84/22 (2009.01) H04W 48/16 (2009.01) H04W 4/38 (2018.01) G06F 1/16 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR A MAN-PORTABLE MOBILE AD-HOC RADIO BASED LINKED EXTENSIBLE NETWORK**
[54] **SYSTEME ET PROCEDE POUR UN RESEAU EXTENSIBLE CABLE RADIO AD HOC MOBILE PORTABLE**
[72] WENGROVITZ, MICHAEL S., US
[72] MAZZARELLA, JOSEPH R., US
[73] MUTUALINK, INC., US
[85] 2017-07-27
[86] 2016-02-04 (PCT/US2016/016583)
[87] (WO2016/126951)
[30] US (14/615,070) 2015-02-05

[11] **2,975,854**
[13] C
[51] **Int.Cl. F24H 9/1818 (2022.01) A47J 31/54 (2006.01) C02F 1/44 (2006.01) F24H 1/10 (2022.01) H05B 3/58 (2006.01)**
[25] EN
[54] **CAPILLARY PROXIMITY HEATER**
[54] **DISPOSITIF CHAUFFANT CAPILLAIRE DE PROXIMITE**
[72] TORCHIO, GIORGIO, IT
[72] BELLINVIA, SILVIO, IT
[72] TESTA, FRANCO, IT
[73] TORCHIO, GIORGIO, IT
[73] BELLINVIA, SILVIO, IT
[85] 2017-08-03
[86] 2015-02-05 (PCT/IB2015/050868)
[87] (WO2016/124978)

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[13] C
[51] **Int.Cl. C12N 15/85 (2006.01) C12N 5/0793 (2010.01) A01K 67/027 (2006.01) C07K 14/705 (2006.01) C12N 5/10 (2006.01) C12N 15/12 (2006.01) C12N 15/62 (2006.01) C12Q 1/00 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **NON-HUMAN ANIMAL EXHIBITING DIMINISHED UPPER AND LOWER MOTOR NEURON FUNCTION AND SENSORY PERCEPTION**
[54] **ANIMAL NON HUMAIN PRESENTANT UNE BAISSE DE LA FONCTION DES NEURONES MOTEURS SUPERIEURS ET INFERIEURS ET DE LA PERCEPTION SENSORIELLE**
[72] IKIZ, BURCIN, US
[72] LACROIX-FRALISH, MICHAEL, US
[72] CROLL, SUSAN D., US
[73] REGENERON PHARMACEUTICALS, INC., US
[85] 2017-08-28
[86] 2016-03-16 (PCT/US2016/022685)
[87] (WO2016/149398)
[30] US (62/133,909) 2015-03-16
[30] US (62/250,229) 2015-11-03

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[54] **SOUPAPE D'EGALISATION DE PRESSION ACTIVEE PAR ECOULEMENT ET PROCEDE D'UTILISATION**
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[54] **T CELL RECRUITING POLYPEPTIDES BASED ON CD3 REACTIVITY**
[54] **POLYPEPTIDES RECRUTANT DES LYMPHOCYTES T SUR LA BASE DE LA REACTIVITE DE CD3**
[72] ROOBROUCK, ANNELIES, BE
[72] VAN HOORICK, DIANE, BE
[72] VIEIRA, JOAO, GB
[73] ABLYNX N.V., BE
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[54] **SYSTEM AND METHOD FOR PHOTO-THERMAL ANALYSIS OF IMMUNOASSAY TESTS**
[54] **SYSTEME ET METHODE D'ANALYSE PHOTOTHERMIQUE DE TESTS DE DOSAGE IMMUNOLOGIQUE**
[72] REZAI, POUYA, CA
[72] TABATABAEI, NIMA, CA
[72] OJAGHI, ASHKAN, US
[73] REZAI, POUYA, CA
[73] TABATABAEI, NIMA, CA
[73] OJAGHI, ASHKAN, US
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[54] **STABLE BASIC ELECTROLYTE MATERIAL AND SOLVENT MATERIAL CONTAINING SAME**
[54] **MATERIAU D'ELECTROLYTE BASIQUE STABLE ET MATERIAU SOLVANT CONTENANT CE DERNIER**
[72] CARLSON, LAWRENCE, US
[72] ADLOFF, LAWRENCE, US
[72] HOEL, TIMOTHY, US
[72] WURZBURGER, STEVEN, US
[73] CARLSON, LAWRENCE, US
[73] ADLOFF, LAWRENCE, US
[73] HOEL, TIMOTHY, US
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[54] **MULTIFOCAL SPECTROMETRIC MEASUREMENT DEVICE AND OPTICAL SYSTEM FOR MULTIFOCAL SPECTROMETRIC MEASUREMENT DEVICE**
[54] **APPAREIL DE MESURE SPECTROMETRIQUE MULTIFOCAL ET SYSTEME OPTIQUE DESTINE A UN APPAREIL DE MESURE SPECTROMETRIQUE MULTIFOCAL**
[72] SODEOKA, MIKIKO, JP
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[72] ANDO, JUN, JP
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP
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[54] **SUITCASE MOLDING PROCESS WITH OVERLAY**
[54] **PROCEDE DE MOULAGE DE VALISE AVEC RECOUVREMENT**
[72] SCICLUNA, PAUL V., US
[73] TUMI, INC., US
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[54] **PRODUCTION OF SCANDIUM-CONTAINING CONCENTRATE AND FURTHER EXTRACTION OF HIGH-PURITY SCANDIUM OXIDE FROM THE SAME**
[54] **PRODUCTION DE CONCENTRE RENFERMANT DU SCANDIUM ET EXTRACTION SUBSEQUENTE D'OXYDE DE SCANDIUM DE GRANDE PURETE**
[72] SUSS, ALEKSANDR GENNADIEVICH, RU
[72] KOZYREV, ALEKSANDR BORISOVICH, RU
[72] PANOV, ANDREJ VLADIMIROVICH, RU
[73] OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOST'YU "OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO-TEKHNOLOGICHESKIY TSENTR", RU
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[54] **FORMULATION PHARMACEUTIQUE POUR ADMINISTRATION ORALE COMPRENANT DE L'IBRUTINIB**
[72] PURRO, NORBERT, US
[72] SMYTH, MARK, US
[72] GOLDMAN, ERICK, US
[72] WIRTH, DAVID D., US
[73] PHARMACYCLICS LLC, US
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[54] **METHODS AND COMPOSITIONS FOR MODIFICATION OF A T-CELL RECEPTOR GENE**
[54] **METHODES ET COMPOSITIONS DESTINEES A LA MODIFICATION D'UN GENE RECEPTEURDE LYMPHOCYTE T**
[72] COLLINGWOOD, TREVOR, US
[72] COOPER, LAURENCE J. N., US
[72] GREGORY, PHILIP D., US
[72] HOLMES, MICHAEL C., US
[72] MILLER, JEFFREY C., US
[72] REBAR, EDWARD J., US
[72] REIK, ANDREAS, US
[72] URNOV, FYODOR, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[73] SANGAMO THERAPEUTICS, INC., US
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[54] **AUTONOMOUS CONNECTION EVALUATION AND SHOULDER DETECTION FOR TUBULAR MAKEUP**
[54] **EVALUATION DE CONNEXION AUTONOME ET DETECTION D'EPAULEMENT DE CONSTRUCTION TUBULAIRE**
[72] RUEHMANN, RAINER, DE
[72] SACHTLEBEN, BENJAMIN, DE
[72] GEISSLER, DAVID, DE
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
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[54] **INDUCTIVE FLOW METER INCLUDING EXTENDED MAGNETIC POLE PIECES**
[54] **DEBITMETRE INDUCTIF COMPRENANT DES PIECES DE POLE MAGNETIQUE ETENDUES**
[72] PROFETA, JOSEPH ANTHONY, JR., US
[72] STERN, TRAMPAS, US
[73] SENSUS SPECTRUM LLC, US
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[54] **LOW COST MILLIMETER WAVE RECEIVER AND METHOD FOR OPERATING SAME**
[54] **RECEPTEUR D'ONDES MILLIMETRIQUES ECONOMIQUE ET METHODE D'EXPLOITATION DUDIT RECEPTEUR**
[72] ENG, JOHN E., US
[72] YU, FRANK S., US
[73] THE BOEING COMPANY, US
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[54] **SYSTEME D'ANCRAGE DE CABLE**
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[72] MICHEL, LUDOVIC LOUIS, CH
[73] VSL INTERNATIONAL AG, CH
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[54] **LIGHT CONCENTRATING BACKLIGHT AND NEAR-EYE DISPLAY SYSTEM USING SAME**
[54] **RETROECLAIRAGE A CONCENTRATION DE LUMIERE, ET SYSTEME D'AFFICHAGE PROCHE DE L'□IL UTILISANT CE RETROECLAIRAGE**
[72] FATTAL, DAVID A., US
[73] LEIA INC., US
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[54] **COMPOSITE PARTS THAT FACILITATE ULTRASONIC IMAGING OF LAYER BOUNDARIES**
[54] **PIECES COMPOSITES QUI FACILITENT L'IMAGERIE PAR ULTRASON DE FRONTIERES DE COUCHE**
[72] HUMFELD, KEITH D., US
[72] SAFAI, MORTEZA, US
[73] THE BOEING COMPANY, US
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[54] **ROTATING DEVICES FOR MITIGATION OF ADVERSE FLOW CONDITIONS IN AN ULTRA-SHORT NACELLE INLET**
[54] **APPAREILS ROTATIFS SERVANT A ATTENUER LES CONDITIONS DE FLUX NUISIBLES DANS UNE ENTREE DE NACELLE ULTRA COURTE**
[72] DORSEY, ANDREW M., US
[72] HOFFMAN, DREW C., US
[72] PALACIOS, FRANCISCO D., US
[72] HOISINGTON, ZACHARY C., US
[73] THE BOEING COMPANY, US
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[54] **SYSTEMS AND METHODS FOR IDENTIFYING AND EXPLAINING ERRORS IN THE PREPARATION OF A PAYROLL TAX FORM USING ERROR GRAPHS**
[54] **SYSTEMES ET PROCEDES PERMETTANT D'IDENTIFIER ET D'EXPLIQUER DES ERREURS DANS LA PREPARATION D'UNE DECLARATION FISCALE AU MOYEN DE GRAPHES D'ERREURS**
[72] LUBCZYNSKI, PETER E., US
[72] WANG, GANG, US
[72] PARKS, PAUL A., US
[72] MCCLUSKEY, KEVIN M., US
[72] MONTOYA, ERNEST, US
[72] HANEKAMP, DAVID A., JR., US
[72] RYAN, KYLE J., US
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[54] **CABLES REVETUS DE REVETEMENTS DE COPOLYMERE FLUORE**
[72] RANGANATHAN, SATHISH KUMAR, US
[72] SIRIPURAPU, SRINIVAS, US
[72] MHETAR, VIJAY, US
[72] ANDERSEN, RYAN M., US
[72] WOOD, KURT ARTHUR, US
[73] GENERAL CABLE TECHNOLOGIES CORPORATION, US
[73] ARKEMA INC., US
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[54] **SYSTEM AND METHOD FOR CORRECTION OF RECEIVER CLOCK DRIFT**
[54] **SYSTEME ET PROCEDE POUR LA CORRECTION DE DERIVE D'HORLOGE DE RECEPTEUR SISMIQUE**
[72] ETGEN, JOHN THEODORE, US
[73] BP CORPORATION NORTH AMERICA INC., US
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[54] **METHOD FOR EVALUATING AND MONITORING FORMATION FRACTURE TREATMENT USING FLUID PRESSURE WAVES**
[54] **PROCEDE D'EVALUATION ET DE SURVEILLANCE DU TRAITEMENT D'UNE FRACTURE DE FORMATION A L'AIDE D'ONDES DE PRESSION DE FLUIDE**
[72] ADAMOPOULOS, PANAGIOTIS, US
[72] CANNON, JAMES, US
[72] FELKL, JAKUB, US
[73] SEISMOS INC., US
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[54] **SUPPORT DE TRANSMISSION MONOLITHIQUE DESTINE A UN GIRAVION**
[72] BOISVERT, OLIVIER ANDRE, CA
[72] MORRIS, KEVIN DONALD, CA
[72] DUVAL, SEBASTIEN, CA
[73] TEXTRON INNOVATIONS INC., US
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[54] **LOW FLUID LEVEL VALVE**
[54] **VANNE DE NIVEAU DE FLUIDE BAS**
[72] KELLEY, CALEB, US
[72] RESWEBER, EUGENE, US
[72] HARRIS, NATHANIEL, US
[72] POYNOR, REID, US
[73] TAM INTERNATIONAL, INC., US
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[54] **PRINTING METHOD AND PRINTING DEVICE**
[54] **PROCEDE ET DISPOSITIF D'IMPRESSION**
[72] SCHMIDT, ANDREAS, DE
[73] A. SCHMIDT E.K., DE
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[54] **DERIVATION D'ECOULEMENT ACTIONNEE PAR UN DISPOSITIF DE CHAUFFAGE**
[72] STEINHAUSER, LOUIS P., US
[72] EVERLY, MARK D., US
[72] JAMBOR, GEORGE F., US
[72] LINDLEY, JACOB, US
[73] WATLOW ELECTRIC MANUFACTURING COMPANY, US
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[54] **INFORMATIONS SUR UNE STRUCTURE DE SIGNAUX DE REFERENCE POUR L'OBTENTION DE MESURES RELATIVES A DES CELLULES VOISINES**
[72] PARKVALL, STEFAN, SE
[72] ASTELY, DAVID, SE
[72] DAHLMAN, ERIK, SE
[73] OPTIS WIRELESS TECHNOLOGY, LLC, US
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[25] EN
[54] **SYSTEM AND METHOD FOR MANUFACTURING RAILCAR COUPLER HEADCORES**
[54] **SYSTEME ET PROCEDE DE FABRICATION DE MOULES D'ATTELAGE DE WAGON**
[72] FLOAT, JOSEPH T., US
[72] GAGLIARDINO, JOSEPH L., US
[72] KRAMER, SCOTT J., US
[72] BRICKER, GERALD J., US
[72] NEUMAN, DAVID S., US
[73] MCCONWAY & TORLEY, LLC, US
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[54] **SOLIDIFICATION PROCESS USING LOW LEVELS OF COUPLER/HYDROTROPE**
[54] **PROCEDE DE SOLIDIFICATION UTILISANT DE FAIBLES NIVEAUX D'AGENT DE COUPLAGE/HYDROTROPE**
[72] KIEFFER, JANEL M., US
[72] MOLINARO, KATHERINE, US
[72] BECKER, GARY, US
[72] FOSTER, TOBIAS, US
[72] LABUSGA, KARINA, US
[73] ECOLAB USA INC., US
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[25] EN
[54] **SEALING SYSTEM AND METHOD OF INSTALLING A SEALING SYSTEM**
[54] **SYSTEME D'ETANCHEITE ET PROCEDE D'INSTALLATION D'UN SYSTEME D'ETANCHEITE**
[72] BERGONZI, CLAUDIO, IT
[72] PARNISARI, MARCO, IT
[72] LITTMANN, FRANCOIS, IT
[73] THE EUROPEAN ATOMIC ENERGY COMMUNITY (EURATOM), REPRESENTED BY THE EUROPEAN COMMISSION, BE
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[54] **HYBRID ACCOMMODATING INTRAOCULAR LENS ASSEMBLAGES**
[54] **ASSEMBLAGES DE LENTILLE INTRAOCULAIRE A ACCOMMODATION HYBRIDE**
[72] BEN NUN, JOSHUA, IL
[73] RAYNER INTRAOCULAR LENSES LIMITED, GB
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[25] EN
[54] **COMMUNICATION STATION FOR AN INTERCOM NETWORK**
[54] **POSTE DE COMMUNICATION DESTINE A UN RESEAU D'INTERCOM**
[72] SCHAAF, STEPHAN, DE
[72] HANISCH, BERNHARD, DE
[72] DODSON, JAKE, DE
[72] RIEDEL, THOMAS, DE
[73] RIEDEL COMMUNICATIONS INTERNATIONAL GMBH, DE
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[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING A PROGRESSIVE REPRESENTATION ASSOCIATED WITH SURJECTIVELY MAPPED VIRTUAL AND PHYSICAL REALITY IMAGE DATA**
[54] **SYSTEME ET PROCEDE DE GENERATION D'UNE REPRESENTATION PROGRESSIVE ASSOCIEE A DES DONNEES D'IMAGE DE REALITES VIRTUELLE ET PHYSIQUE EN CORRESPONDANCE SURJECTIVE**
[72] KAUFMAN, ARIE, US
[72] SUN, QI, US
[72] WEI, LI-YI, US
[73] THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK, US
[85] 2018-11-07
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[54] **STIMULATION D'ERECTION DU PENIS**
[72] FORSELL, PETER, CH
[73] MEDICALTREE PATENT LTD., MT
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[54] **DATA INTERACTION PROCESSING METHOD, DEVICE AND SYSTEM**
[54] **PROCEDE, DISPOSITIF ET SYSTEME DE TRAITEMENT D'INTERACTION DE DONNEES**
[72] ZHANG, YI, CN
[73] 10353744 CANADA LTD., CA
[85] 2018-11-19
[86] 2015-06-30 (PCT/CN2015/082788)
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[54] **CURVED HEAT SHRINK TUBING AND METHODS OF MAKING THE SAME**
[54] **TUBE DE PROTECTION THERMIQUE ONDULE ET METHODES DE FABRICATION ASSOCIEE**
[72] SINCLAIR, JAMES R., US
[73] THE BOEING COMPANY, US
[86] (3025116)
[87] (3025116)
[22] 2018-11-21
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[25] EN
[54] **SULFONAMIDE COMPOUND OR SALT THEREOF**
[54] **COMPOSE DE SULFONAMIDE OU SON SEL**
[72] MIYAHARA, SEIJI, JP
[72] UENO, HIROYUKI, JP
[72] HARA, SHOKI, JP
[72] OGINO, YOSHIO, JP
[73] TAIHO PHARMACEUTICAL CO., LTD., JP
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[25] EN
[54] **CHEMICAL PRODUCTS FOR ADHESIVE APPLICATIONS**
[54] **PRODUITS CHIMIQUES POUR APPLICATIONS ADHESIVES**
[72] ZHA, CHARLES, US
[72] BEETGE, JAN, US
[72] ELDER, LEO, US
[72] GREEN, JOHN W., US
[73] HEXION INC., US
[85] 2018-12-12
[86] 2017-06-21 (PCT/US2017/038569)
[87] (WO2017/223215)
[30] US (62/353,444) 2016-06-22
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[25] EN
[54] **DRIVING DEVICE WITH HIGH HEAT DISSIPATION**
[54] **DISPOSITIF D'ENTRAINEMENT AVEC DISSIPATION THERMIQUE ELEVEE**
[72] ZHOU, FENGPING, CN
[72] ZHOU, XINJIANG, CN
[72] WU, GUOYAO, CN
[72] ZHOU, XIAOKE, CN
[72] CHEN, DONG, CN
[73] ZHEJIANG DONGXIN ITECHNOLOGY CO., LTD., CN
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[87] (3028697)
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[25] EN
[54] **MODIFIED RELEASE GAMMA-HYDROXYBUTYRATE FORMULATIONS HAVING IMPROVED PHARMACOKINETICS**
[54] **FORMULATIONS DE GAMMA-HYDROXYBUTYRATE A LIBERATION MODIFIEE AYANT UNE PHARMACOCINETIQUE AMELIOREE**
[72] MEGRET, CLAIRE, FR
[72] GUILLARD, HERVE, FR
[72] DUIBUISSON, JEAN-FRANCOIS, FR
[73] FLAMEL IRELAND LTD., IL
[85] 2018-12-20
[86] 2017-07-21 (PCT/EP2017/068552)
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[30] US (62/365,812) 2016-07-22
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[25] EN
[54] **PLANT-BASED EGG SUBSTITUTE COMPOSITIONS**
[54] **COMPOSITIONS A BASE DE PLANTES REMPLACANT L'□UF**
[72] KEYS, ERIN, US
[72] GOLDBERG, ROBERT, US
[73] EARTH ISLAND, US
[85] 2019-01-17
[86] 2016-01-19 (PCT/US2016/013941)
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[54] **ACTIVELY COOLED WASTE RECEPTACLE**
[54] **RECEPTACLE A DECHETS A REFROIDISSEMENT ACTIF**
[72] PETZ, BRIAN, CA
[72] CRESNIK, PRIMOZ, CA
[73] PETAL INCORPORATED, CA
[85] 2019-01-22
[86] 2016-08-10 (PCT/IB2016/054821)
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[25] EN
[54] **HELMET WITH SLIPPAGE PADS**
[54] **CASQUE EQUIPE DE COUSSINETS DE DEGAGEMENT**
[72] GARNEAU, LOUIS, CA
[72] ISABELLE, PAUL, CA
[73] LOUIS GARNEAU SPORTS INC., CA
[86] (3033306)
[87] (3033306)
[22] 2019-02-06
[30] US (62/626,913) 2018-02-06
[30] US (62/657,157) 2018-04-13
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[25] EN
[54] **METHOD FOR FRACTURING ACTIVITY AND INTENSITY MONITORING AND PRESSURE WAVE RESONANCE ANALYSIS**
[54] **PROCEDE DE SURVEILLANCE D'ACTIVITE ET D'INTENSITE DE FRACTURATION ET D'ANALYSE DE LA RESONANCE D'ONDES DE PRESSION**
[72] QUAN, YOULI, US
[72] ZHANG, JUNWEI, US
[72] ADAMOPOULOS, PANAGIOTIS, US
[72] FELKL, JAKUB, US
[73] SEISMOS, INC., US
[85] 2019-02-15
[86] 2017-08-18 (PCT/US2017/047679)
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[25] EN
[54] **DETERGENT COMPOSITIONS CONTAINING AN ENZYME STABILIZED BY PHOSPHONATES**
[54] **COMPOSITIONS DE DETERGENT CONTENANT UNE ENZYME STABILISEE PAR DES PHOSPHONATES**
[72] LO, WENDY, US
[72] OLSON, ERIK C., US
[73] ECOLAB USA INC., US
[85] 2019-02-27
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[25] EN
[54] **REAL TIME OVERLAY PLACEMENT IN VIDEOS FOR AUGMENTED REALITY APPLICATIONS**
[54] **POSITIONNEMENT DE SUPERPOSITION DANS DES VIDEOS EN TEMPS REEL POUR APPLICATIONS DE REALITE AUGMENTEE**
[72] HEGDE, SRINIDHI, IN
[72] HEBBALAGUPPE, RAMYA, IN
[73] TATA CONSULTANCY SERVICES LIMITED, IN
[86] (3035482)
[87] (3035482)
[22] 2019-03-04
[30] IN (201821033541) 2018-09-06

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[25] EN
[54] **METHOD AND SYSTEM FOR PERFORMING A BATCH REVERSE OSMOSIS PROCESS USING A TANK WITH A MOVABLE PARTITION**
[54] **PROCEDE ET SYSTEME POUR EFFECTUER UN PROCESSUS D'OSMOSE INVERSE PAR LOTS A L'AIDE D'UN RESERVOIR AVEC UNE CLOISON MOBILE**
[72] OKLEJAS, ELI, JR., US
[73] FLUID EQUIPMENT DEVELOPMENT COMPANY, LLC, US
[85] 2019-04-08
[86] 2017-10-17 (PCT/US2017/056967)
[87] (WO2018/075506)
[30] US (62/409,021) 2016-10-17
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[25] EN
[54] **SYSTEM AND METHOD FOR INDICATING TORQUE**
[54] **SYSTEME ET METHODE D'INDICATION D'UN COUPLE**
[72] KING, JERRY A., US
[72] LEE, NATHAN J., US
[72] REYNERTSON, DONALD J., US
[73] SNAP-ON INCORPORATED, US
[86] (3039869)
[87] (3039869)
[22] 2019-04-10
[30] US (62/657,364) 2018-04-13
[30] US (16/374,391) 2019-04-03

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[51] **Int.Cl. F16K 17/38 (2006.01)**
[25] EN
[54] **TEMPERATURE SENSITIVE VALVE**
[54] **SOUPAPE SENSIBLE A LA TEMPERATURE**
[72] VANDRAK, BRIAN, US
[72] MAI, ZHENG-HUI, CN
[72] CHEN, GUO-QUAN, CN
[72] GU, YOU-ZHI, CN
[72] YOU, JIN-TANG, CN
[73] ENERCO GROUP, INC., US
[85] 2019-04-11
[86] 2017-10-17 (PCT/US2017/056932)
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[30] CN (201610905941.9) 2016-10-18
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[51] **Int.Cl. G01S 5/02 (2010.01) G01S 5/00 (2006.01) G01S 5/10 (2006.01)**
[25] EN
[54] **POSITIONING SUPPORT INFORMATION FOR TIME OF ARRIVAL (TOA) ESTIMATION IN POSSIBLE MULTIPATH PROPAGATION CONDITIONS**
[54] **POSITIONNEMENT D'INFORMATIONS DE SUPPORT EN VUE D'UNE ESTIMATION DE TEMPS D'ARRIVEE (TOA) DANS DES CONDITIONS DE PROPAGATION A TRAJETS MULTIPLES POSSIBLES**
[72] RYDEN, HENRIK, SE
[72] MODARRES RAZAVI, SARA, SE
[72] GUNNARSSON, FREDRIK, SE
[72] SUNELL, KAI-ERIK, SE
[73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
[85] 2019-04-30
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[30] US (62/417,442) 2016-11-04

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[51] **Int.Cl. A01C 5/06 (2006.01) A01B 63/24 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SEED PLANTING UNIT OF AN AGRICULTURAL IMPLEMENT**
[54] **UNITE DE PLANTATION DE SEMENCES D'UN OUTIL AGRICOLE**
[72] CHAHLEY, DENNIS W., CA
[72] WRIGHT, JARED S., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3042599)
[87] (3042599)
[22] 2019-05-08
[30] US (15/988,204) 2018-05-24

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[51] **Int.Cl. A01C 7/06 (2006.01) A01C 5/06 (2006.01) A01C 5/08 (2006.01)**
[25] EN
[54] **RESILIENT MOUNTING OF A DOUBLE-SHOOT KNIFE IN A SINGLE-PASS, DOUBLE-SHOOT PLANTING UNIT FOR AN AGRICULTURAL IMPLEMENT**
[54] **MONTAGE RESILIENT D'UN COUTEAU A DOUBLE COUP DANS UNE UNITE MONOPASSE A DOUBLE COUP POUR UN OUTIL AGRICOLE**
[72] NAYLOR, MATTHEW S., CA
[72] SCHILLING, ROBIN B., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3043069)
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[54] **TREATMENT FOR FIBROSIS**
[54] **TRAITEMENT DE LA FIBROSE**
[72] HAYARDENY-NISSIMOIV, LIAT, IL
[72] GORFINE, TALI, IL
[72] BAHARAFF, ALLEN, IL
[72] MATO DE LA PAZ, JOSE M., ES
[73] GALMED RESEARCH AND DEVELOPMENT LTD., IL
[85] 2019-05-08
[86] 2017-11-10 (PCT/IB2017/001521)
[87] (WO2018/087599)
[30] US (62/420,009) 2016-11-10
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[51] **Int.Cl. C07C 29/132 (2006.01) C07C 29/145 (2006.01) C07C 29/60 (2006.01)**
[25] EN
[54] **PROCESS FOR PRODUCING 1,2-PROPANEDIOL FROM GLYCEROL**
[54] **PROCEDE DE PRODUCTION DE 1,2-PROPANEDIOL A PARTIR DE GLYCEROL**
[72] MA, CHI CHENG, US
[73] ARCHER DANIELS MIDLAND COMPANY, US
[85] 2019-05-13
[86] 2017-11-06 (PCT/US2017/060187)
[87] (WO2018/093596)
[30] US (62/422,835) 2016-11-16

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[51] **Int.Cl. G10L 21/028 (2013.01) G10L 19/008 (2013.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR DECOMPOSING AN AUDIO SIGNAL USING A RATIO AS A SEPARATION CHARACTERISTIC**
[54] **APPAREIL ET PROCEDE DE DECOMPOSITION D'UN SIGNAL AUDIO A L'AIDE D'UN RAPPORT EN TANT QUE CARACTERISTIQUE DE SEPARATION**
[72] ADAMI, ALEXANDER, DE
[72] HERRE, JUERGEN, DE
[72] DISCH, SASCHA, DE
[72] GHIDO, FLORIN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
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[25] EN
[54] **TEMPERATURE CONTROL SYSTEM AND METHODS FOR OPERATING SAME**
[54] **SYSTEME DE REGULATION DE TEMPERATURE ET SES PROCEDES DE FONCTIONNEMENT**
[72] JOHNSON, DAVID, JR., US
[72] JOHNSON, VALERIE JEAN, US
[72] DUMAR, JOHN EDWARD, US
[73] JOHNSON SOLID STATE, LLC, US
[73] JOHNSON, DAVID, JR., US
[73] JOHNSON, VALERIE JEAN, US
[73] DUMAR, JOHN EDWARD, US
[85] 2019-05-15
[86] 2016-09-19 (PCT/US2016/052556)
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[30] US (15/231,943) 2016-08-09

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[51] **Int.Cl. C12P 21/00 (2006.01) C07K 16/00 (2006.01) C12P 21/08 (2006.01)**
[25] EN
[54] **IN VITRO GLYCOENGINEERING OF ANTIBODIES**
[54] **GLYCO-INGENIERIE IN VITRO D'ANTICORPS**
[72] FALKENSTEIN, ROBERTO, DE
[72] WALCH, HEIKO, DE
[72] MALIK, SEBASTIAN, DE
[72] THOMANN, MARCO, DE
[72] FREIHERR VON ROMAN, MATTHIAS, DE
[72] GRUNERT, INGRID, DE
[72] DORN, ROLAND, DE
[72] HINGAR, MICHAEL, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2019-05-24
[86] 2017-12-19 (PCT/EP2017/083429)
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[30] EP (16205587.5) 2016-12-21
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[25] EN
[54] **INTEGRATED CASTING CORE-SHELL STRUCTURE WITH FLOATING TIP PLENUM**
[54] **STRUCTURE NOYAU-ENVELOPPE DE COULEE INTEGREE AVEC CHAMBRE DE POINTE FLOTTANTE**
[72] DEINES, JAMES HERBERT, US
[72] PRZESLAWSKI, BRIAN DAVID, US
[72] MCCARREN, MICHAEL JOHN, US
[72] GARAY, GREGORY TERRENCE, US
[72] KONITZER, DOUGLAS GERARD, US
[72] MARUSKO, MARK WILLARD, US
[72] YANG, XI, US
[72] PETERSON, BRIAN PATRICK, US
[73] GENERAL ELECTRIC COMPANY, US
[85] 2019-05-30
[86] 2017-10-24 (PCT/US2017/057945)
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[25] EN
[54] **DIETARY COMPOSITIONS AND METHODS FOR PROTECTION AGAINST CHEMOTHERAPY, RADIOTHERAPY, OXIDATIVE STRESS, AND AGING**
[54] **COMPOSITIONS ALIMENTAIRES ET PROCEDES POUR LA PROTECTION CONTRE LA CHIMIOTHERAPIE, LA RADIOTHERAPIE, LE STRESS OXYDATIF ET LE VIEILLISSEMENT**
[72] LONGO, VALTER, US
[73] UNIVERSITY OF SOUTHERN CALIFORNIA, US
[86] (3045883)
[87] (3045883)
[22] 2009-04-24
[62] 2,722,365
[30] US (61/047,680) 2008-04-24

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[51] **Int.Cl. G01R 21/133 (2006.01) G01R 31/34 (2020.01) G06F 15/00 (2006.01)**
[25] EN
[54] **IMPROVEMENTS IN LOW FREQUENCY ENERGY DISGGREGATION TECHNIQUES**
[54] **AMELIORATIONS APPORTEES A DES TECHNIQUES DE DESAGREGATION D'ENERGIE BASSE FREQUENCE**
[72] SHYR, ALEX, US
[72] GARUD, VIVEK, US
[72] SHARAN, MAYANK, US
[72] GUPTA, ABHAY, US
[72] PAREKH, PRATIK, US
[72] AGGARWAL, ROHIT, US
[73] BIDGELY INC., US
[85] 2019-06-13
[86] 2017-12-27 (PCT/IB2017/058441)
[87] (WO2018/109754)
[30] US (62/434,992) 2016-12-15

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[13] C
[51] **Int.Cl. A01B 63/14 (2006.01) A01B 63/00 (2006.01) A01B 76/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR INITIATING CONTROL OF COMPONENTS OF A WORK VEHICLE BASED ON INPUT RECEIVED FROM A USER INTERFACE OF AN ASSOCIATED AGRICULTURAL IMPLEMENT**
[54] **SYSTEME ET METHODE DE MISE EN MARCHE DU CONTROLE DES COMPOSANTES D`UN VEHICULE DE TRAVAIL EN FONCTION DES COMMANDES RECUES D`UNE INTERFACE UTILISATEUR D`UN APPAREIL AGRICOLE CONNEXE**
[72] KOWALCHUK, TREVOR L., CA
[73] CNH INDUSTRIAL CANADA, LTD., CA
[86] (3048015)
[87] (3048015)
[22] 2019-06-27
[30] US (16/059,643) 2018-08-09

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[13] C
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[54] **SYSTEME DE COMMANDE DE LA TEMPERATURE D'UN SYSTEME CHROMATOGRAPHIQUE**
[72] STEARNS, STANLEY D., US
[72] CAI, HUAMIN, US
[72] BISHOP, CHRIS, US
[72] SIMPSON, ROBERT, US
[72] COWLES, CHRIS S., US
[72] ASHWORTH, DALE, US
[72] DAILEY, DOUGLAS, US
[72] HOCHMAN, MATIAS, US
[73] VALCO INSTRUMENTS COMPANY, INC., US
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[25] EN
[54] **METHODS AND SYSTEMS FOR ENHANCED CONSUMER PAYMENT**
[54] **PROCEDES ET SYSTEMES PERMETTANT UN PAIEMENT AMELIORE POUR LE CONSOMMATEUR**
[72] LEE, TIMOTHY MU-CHU, US
[72] GERBER, GARY E., US
[73] VISA INTERNATIONAL SERVICE ASSOCIATION, US
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[54] **ALGORITHMS AND METHODS FOR ASSESSING LATE CLINICAL ENDPOINTS IN PROSTATE CANCER**
[54] **ALGORITHMES ET PROCEDES POUR EVALUER DES CRITERES CLINIQUES TARDIFS DANS LE CANCER DE LA PROSTATE**
[72] LU, RUIXIAO, US
[72] CRAGER, MICHAEL, US
[72] ZHANG, NAN, US
[72] MADDALA, TARA, US
[72] FEBBO, PHILLIP, US
[72] LAWRENCE, HUGH JEFFREY, US
[73] GENOMIC HEALTH, INC., US
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[54] **SERVICE VEHICLE STORAGE COMPARTMENT DOOR ALARM SYSTEM**
[54] **SYSTEME D`ALARME DE PORTE DE COMPARTIMENT DE RANGEMENT DE VEHICULE DE SERVICE**
[72] ZELENT, VERNON, CA
[73] ZELENT, VERNON, CA
[86] (3050955)
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[54] **CHIMERIC ANTIGEN RECEPTOR, NUCLEIC ACID, CHIMERIC ANTIGEN RECEPTOR EXPRESSION PLASMID, CHIMERIC ANTIGEN RECEPTOR EXPRESSING CELL, USE THEREOF, AND PHARMACEUTICAL COMPOSITION FOR TREATING CANCER**
[54] **RECEPTEUR D`ANTIGENE CHIMERE, ACIDE NUCLEIQUE, PLASMIDE D`EXPRESSION DU RECEPTEUR D`ANTIGENE CHIMERE, CELLULE EXPRIMANT LE RECEPTEUR D`ANTIGENE CHIMERE, METHODE D`UTILISATION, ET COMPOSITION PHARMACEUTIQUE POUR TRAITER LE CANCER**
[72] CHO, DER-YANG, CN
[72] CHIU, SHAO-CHIH, CN
[72] JAN, CHIA-ING, CN
[72] PAN, CHIH-MING, CN
[72] HUANG, SHI-WEI, CN
[73] CHINA MEDICAL UNIVERSITY HOSPITAL, CN
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[54] **ACTIVE NOISE CANCELLATION IN ELECTROMAGNETIC TELEMETRY**
[54] **ANNULATION ACTIVE DE BRUIT DANS UNE TELEMESURE ELECTROMAGNETIQUE**
[72] WILSON, GLENN ANDREW, US
[72] SAMSON, ETIENNE M., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2019-08-15
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[54] **AIR-CONDITIONING CONTROL RELAY DEVICE**
[54] **DISPOSITIF RELAIS DE COMMANDE DE CLIMATISATION**
[72] ARAKAKI, YASUTO, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2019-09-03
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[54] **METHOD AND SYSTEM FOR FACILITATING ACCESS TO A PROMOTIONAL OFFER**
[54] **PROCEDE ET SYSTEME DESTINES A FACILITER L'ACCES A UNE OFFRE PROMOTIONNELLE**
[72] KING, GUY PHILIP WILLIAM, US
[73] RETAILMENOT, INC., US
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[54] **TOPICAL THERAPY FOR THE TREATMENT OF SKIN MALIGNANCIES USING NANOPARTICLES OF TAXANES**
[54] **THERAPIE TOPIQUE POUR LE TRAITEMENT DE MALIGNITES CUTANEES AU MOYEN DE NANOPARTICULES DE TAXANES**
[72] DIZEREGA, GERE, US
[73] DFB SORIA, LLC, US
[85] 2019-09-12
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[54] **DISPOSITIF POUR SEPARER DU LIQUIDE D'UN FLUX DE GAZ DANS UN COMPRESSEUR A INJECTION DE LIQUIDE ET PROCEDE ASSOCIE.**
[72] VINCK, GLENN, BE
[73] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
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[54] **LOW COST RADIO FREQUENCY IDENTIFICATION (RFID) DISPENSING SYSTEMS**
[54] **SYSTEMES DE DISTRIBUTION D'IDENTIFICATION RADIOFREQUENCE (RFID) DE FAIBLE COUT**
[72] REYNOLDS, AARON, US
[72] CURTIS, CHIP, US
[72] WEGELIN, JACKSON, US
[73] GOJO INDUSTRIES, INC., US
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[54] **PANEL ASSEMBLY FOR AIR CONDITIONER AND WINDOW AIR CONDITIONER**
[54] **ASSEMBLAGE DE PANNEAU DE CLIMATISEUR ET DE CLIMATISEUR DE FENETRE**
[72] LIU, YU, CN
[72] XING, ZHIGANG, CN
[72] ZHANG, KANGWEN, CN
[72] LEI, ZHISHENG, CN
[72] YU, HUI, CN
[72] YUHANG, TANG, CN
[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD., CN
[73] MIDEA GROUP CO., LTD., CN
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[51] **Int.Cl. G06F 3/01 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR SENDING VIRTUAL REALITY IMAGE**
[54] **PROCEDE ET APPAREIL D'ENVOI D'IMAGE DE REALITE VIRTUELLE**
[72] LUO, YI, CN
[72] ZHENG, FANGZHOU, CN
[72] XU, YU, CN
[72] QIU, WENYI, CN
[73] HUAWEI TECHNOLOGIES CO., LTD., CN
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[54] **THEATRICAL LIGHTNING SIMULATOR**
[54] **SIMULATEUR D'ECLAIRS POUR LE CINEMA**
[72] SCHOLZ, DONALD T., US
[73] SCHOLZ, DONALD T., US
[85] 2019-10-10
[86] 2018-04-11 (PCT/US2018/027185)
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[25] EN
[54] **SYSTEMS AND METHODS FOR GENERATING A SNAPSHOT VIEW OF VIRTUAL INFRASTRUCTURE**
[54] **SYSTEMES ET PROCEDES POUR PRODUIRE UNE IMAGE INSTANTANEE D`UNE INFRASTRUCTURE VIRTUELLE**
[72] RAKHIMOV, RINAT, CA
[73] BANK OF MONTREAL, CA
[86] (3060771)
[87] (3060771)
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[51] **Int.Cl. G01N 1/28 (2006.01) G01N 1/36 (2006.01)**
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[54] **METHOD OF REMOVING FLOATATION LIQUID**
[54] **PROCEDE D'EXTRACTION DE LIQUIDE EN FLOTTAISON**
[72] ANGROS, LEE H., US
[73] ANGROS, LEE H., US
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[25] EN
[54] **METHOD AND APPARATUS FOR ANALYTE MEASUREMENT**
[54] **PROCEDE ET APPAREIL DE MESURE D'ANALYTES**
[72] TSAI, TUNGMENG, CN
[72] CHEN, YENYU, CN
[72] CHEN, CHIEH HSIAO, CN
[73] IXENSOR CO., LTD., TW
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[87] (3061099)
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[25] EN
[54] **CONTAINER INCLUDING AN OUTER SHELL AND CARTRIDGE, AND METHOD OF ASSEMBLING SAME**
[54] **RECIPIENT COMPRENANT UNE COQUE EXTERNE ET UNE CARTOUCHE, ET SON PROCEDE D'ASSEMBLAGE**
[72] TABER, BENJAMIN JORDAN, US
[72] CUNNINGHAM, CHRISTOPHER H., US
[72] ANGELONI, PAUL J., US
[73] WM. WRIGLEY JR. COMPANY, US
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[25] EN
[54] **METHOD FOR MANUFACTURING FUEL CELL SEPARATOR BY FORMING A CONDUCTIVE OXIDE FILM ON A SURFACE OF A METAL SUBSTRATE USING A MIST CVD METHOD**
[54] **METHODE DE FABRICATION D'UN SEPARATEUR DE PILES A COMBUSTIBLE EN FORMANT UN FILM D'OXYDE CONDUCTEUR SUR UNE SURFACE D'UN SUBSTRAT METALLIQUE AU MOYEN D'UNE METHODE DE DEPOT CHIMIQUE EN PHASE VAPEUR PAR BRUMISATION**
[72] ASANO, YUHEI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
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[54] **REFLEXIVE VALVE PRESERVATION AND ACTUATION SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDES DE CONSERVATION ET D'ACTIONNEMENT DE VANNE REFLEXIVE**
[72] MCEVOY, TRAVIS KYLE, US
[72] CHEATHAM, LLOYD, US
[72] ADAMS, KEITH, US
[73] VAULT PRESSURE CONTROL LLC, US
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[25] EN
[54] **FE-SI BASE ALLOY AND METHOD OF MAKING SAME**
[54] **ALLIAGE A BASE DE FE-SI ET SON PROCEDE DE FABRICATION**
[72] CHINNASAMY, CHINS, US
[72] KERNION, SAMUEL J., US
[72] FITTERLING, ERIC, US
[72] POLAR-ROSAS, ALBERTO, US
[72] WANG, TAO, US
[73] CRS HOLDINGS, LLC, US
[85] 2019-11-06
[86] 2018-05-17 (PCT/US2018/033155)
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[51] **Int.Cl. E21B 47/12 (2012.01) G01V 3/34 (2006.01)**
[25] EN
[54] **METHODS TO SYNCHRONIZE SIGNALS AMONG ANTENNAS WITH DIFFERENT CLOCK SYSTEMS**
[54] **PROCEDES POUR SYNCHRONISER DES SIGNAUX PARMI DES ANTENNES AVEC DIFFERENTS SYSTEMES D'HORLOGE**
[72] WU, HSU-HSIANG, US
[72] GRIFFING, MATTHEW CHASE, US
[72] GOLLA, CHRISTOPHER, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **ATROPINE PHARMACEUTICAL COMPOSITIONS**
[54] **COMPOSITIONS PHARMACEUTIQUES D'ATROPINE**
[72] PURI, NAVNEET, US
[72] AKASAPU, PREM SAGAR, US
[72] MOHAMMED, IRFAN A., US
[72] SOPPIMATH, KUMARESH, US
[72] ILITCHEV, IOURI V., US
[72] ZHANG, TAO, US
[73] VYLUMA INC., US
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[25] EN
[54] **CONJUGATE OF ISOTRETINOIN AND PEPTIDE**
[54] **CONJUGUE D'ISOTRETINOINE ET D'UN PEPTIDE**
[72] CHUNG, YONG JI, KR
[72] KIM, EUN MI, KR
[73] CAREGEN CO., LTD., KR
[85] 2019-11-07
[86] 2018-05-11 (PCT/KR2018/005447)
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[30] KR (10-2017-0058866) 2017-05-11

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[25] EN
[54] **PHARMACEUTICAL COMPOSITION FOR TREATING FOOT PAIN DISEASE INCLUDING BOTULINUM TOXIN AND HYALURONIC ACID, AND FOOT PAIN DISEASE TREATMENT METHOD USING SAME**
[54] **COMPOSITION PHARMACEUTIQUE POUR LE TRAITEMENT D'UNE MALADIE PROVOQUANT DES DOULEURS AU PIED COMPRENANT LA TOXINE BOTULIQUE ET L'ACIDE HYALURONIQUE ET PROCEDE DE TRAITEMENT DE LA D OULEUR DU PIED L'UTILISANT**
[72] JANG, SUNG SU, KR
[72] LEE, HAKSUP, KR
[72] AHN, YONGSHIK, KR
[72] KIM, JONGHYO, KR
[72] SHIN, SEUNGJIN, KR
[73] ATGC CO., LTD., KR
[85] 2019-11-13
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[54] **CAT ATTRACTANT**
[54] **ATTRACTIF POUR CHAT**
[72] WANG, LIN, US
[72] FLICKINGER, ELIZABETH, US
[72] EVERSMEYER, MICHAEL, US
[73] KENT PET GROUP, INC., US
[85] 2019-11-14
[86] 2018-02-23 (PCT/US2018/019409)
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[30] US (15/901,590) 2018-02-21
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[54] **COMBUSTION CHAMBER ASSEMBLY UNIT**
[54] **UNITE D`ENSEMBLE DE CHAMBRE DE COMBUSTION**
[72] HUMBURG, MICHAEL, DE
[72] BLASCHKE, WALTER, DE
[73] EBERSPACHER CLIMATE CONTROL SYSTEMS GMBH, DE
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[30] DE (10 2018 131 253.9) 2018-12-07

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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **UPLINK DATA TRANSMISSION METHOD AND RELATED DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES DE LIAISON MONTANTE, ET DISPOSITIFS ASSOCIES**
[72] CHEN, WENHONG, CN
[72] SHI, ZHIHUA, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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[25] EN
[54] **ANTI-HUMAN INTERLEUKIN-2 ANTIBODIES AND USES THEREOF**
[54] **ANTICORPS INTERLEUKINE-2 ANTI-HUMAINS ET LEURS UTILISATIONS**
[72] SURH, CHARLES D., US
[72] LEE, JUN-YOUNG, KR
[73] INSTITUTE FOR BASIC SCIENCE, KR
[73] POSTECH ACADEMY-INDUSTRY FOUNDATION, KR
[85] 2019-11-21
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[30] KR (10-2017-0064815) 2017-05-25

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[25] EN
[54] **USE OF LIGUSTRAZINE NITRONE DERIVATIVES IN PREVENTION AND TREATMENT OF DIABETIC COMPLICATION DISEASES**
[54] **UTILISATION DE DERIVES DE NITRONE DE LIGUSTRAZINE DANS LA PREVENTION ET LE TRAITEMENT DE MALADIES LIEES AUX COMPLICATIONS DIABETIQUES**
[72] WANG, YUQIANG, CN
[72] SUN, YEWEI, CN
[72] XU, LIPENG, CN
[72] JING, MEI, CN
[72] ZHANG, ZAIJUN, CN
[72] ZHANG, GAOXIAO, CN
[72] YU, PEI, CN
[72] YI, PENG, CN
[73] QINGDAO HAILAN PHARMACEUTICALS CO., LTD., CN
[85] 2019-11-26
[86] 2018-05-25 (PCT/CN2018/000194)
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[13] C
[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **DATA TRANSMISSION METHOD, TERMINAL DEVICE AND NETWORK DEVICE**
[54] **PROCEDE DE TRANSMISSION DE DONNEES, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-05
[86] 2017-06-08 (PCT/CN2017/087630)
[87] (WO2018/223352)

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[25] EN
[54] **PATTERN ANGLE SPATIAL SELECTION STRUCTURED ILLUMINATION IMAGING**
[54] **IMAGERIE A ECLAIRAGE STRUCTURE PAR SELECTION SPATIALE D'ANGLE DE MOTIF**
[72] NEWMAN, PETER CLARKE, US
[72] CONDELLO, DANILO, US
[72] LU, SHAOPING, US
[72] PRINCE, SIMON, US
[72] SIU, MEREK C., US
[72] HONG, STANLEY S., US
[72] LIU, AARON, US
[73] ILLUMINA, INC., US
[85] 2019-12-05
[86] 2019-01-14 (PCT/US2019/013504)
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[54] **WIRELESS COMMUNICATION METHOD, NETWORK DEVICE AND TERMINAL DEVICE**
[54] **PROCEDE DE COMMUNICATION SANS FIL, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**
[72] TANG, HAI, CN
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
[85] 2019-12-10
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[25] EN
[54] **ONE WAY VALVE**
[54] **CLAPET ANTI-RETOUR**
[72] CEFAI, JOSEPH JOHN, GB
[73] VICENTRA B.V., NL
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[25] EN
[54] **ELECTRIC POWER DISTRIBUTION FOR FRACTURING OPERATION**
[54] **DISTRIBUTION D'ENERGIE ELECTRIQUE POUR OPERATION DE FRACTURATION**
[72] MORRIS, JEFFREY G., US
[72] BODISHBAUGH, ADRIAN BENJAMIN, US
[72] JENSEN, NEAL, US
[73] TYPHON TECHNOLOGY SOLUTIONS, LLC, US
[85] 2019-12-18
[86] 2018-06-28 (PCT/US2018/039982)
[87] (WO2019/006108)
[30] US (62/526,869) 2017-06-29

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[54] **SURGICAL CLIP**
[54] **PINCE CHIRURGICALE**
[72] FOSHEE, DAVID LEE, US
[72] RAMSEY, MICHAEL DELL, US
[73] TELEFLEX MEDICAL INCORPORATED, US
[85] 2019-12-20
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[30] US (62/523,562) 2017-06-22
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[25] EN
[54] **MULTI-CARTRIDGE VAPORIZER**
[54] **VAPORISATEUR A CARTOUCHES MULTIPLES**
[72] WILSON, SCOTT H., US
[72] ETTENSON, GREG, US
[72] PUHALLA, DENNIS M., US
[72] IAVICOLI, MATTEO, US
[72] PAULSEN, GARY HARLAN, US
[72] ALSBERG, KEITH, US
[73] LOOP LABORATORIES, LLC, US
[86] (3068712)
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[22] 2020-01-17
[30] US (62/794411) 2019-01-18
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[25] EN
[54] **DRY PARTITION WALL SYSTEM AND METHOD FOR INSTALLATION OF A DRY PARTITION WALL SYSTEM OF THIS KIND**
[54] **SYSTEME DE CLOISON SECHE ET PROCEDE D'INSTALLATION D'UN TEL SYSTEME DE CLOISON SECHE**
[72] QUIRIJNS, CATHARINUS ANNE, NL
[72] SCHEEPENS, SIMON, NL
[73] SAINT-GOBAIN PLACO S.A.S., FR
[85] 2020-01-10
[86] 2018-08-07 (PCT/EP2018/071366)
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[25] EN
[54] **A FIXING DEVICE**
[54] **DISPOSITIF DE FIXATION**
[72] DELANEY, PAUL, GB
[73] CASSELLIE LTD, GB
[85] 2020-01-10
[86] 2018-07-11 (PCT/GB2018/051980)
[87] (WO2019/012281)
[30] GB (1711142.8) 2017-07-11
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[25] EN
[54] **METHODS AND SYSTEMS FOR PROVIDING REMOTE ASSISTANCE TO A VEHICLE**
[54] **PROCEDES ET SYSTEMES POUR FOURNIR UNE ASSISTANCE A DISTANCE A UN VEHICULE**
[72] FAIRFIELD, NATHANIEL, US
[72] DOLGOV, DMITRI, US
[72] HERBACH, JOSHUA, US
[73] WAYMO LLC, US
[85] 2020-01-10
[86] 2018-06-18 (PCT/US2018/037994)
[87] (WO2019/013929)
[30] US (15/704,231) 2017-09-14
[30] US (15/704,213) 2017-09-14
[30] US (62/531,087) 2017-07-11
[30] US (62/531,072) 2017-07-11
[30] US (62/531,082) 2017-07-11
[30] US (15/704,194) 2017-09-14

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[51] **Int.Cl. E02D 31/02 (2006.01) E04B 1/66 (2006.01)**
[25] EN
[54] **BELOW GRADE, BLIND SIDE, DUAL WATERPROOFING MEMBRANE ASSEMBLY INCORPORATING A SHEET MEMBRANE WITH ADHESIVE TO FULLY BOND TO CONCRETE/SHOTCRETE, AND A METHOD OF MAKING, AND USING SAME**
[54] **ENSEMBLE DE MEMBRANE D'ETANCHEITE DOUBLE SANS VISIBILITE, SOUS LE NIVEAU DU SOL INTEGRANT UNE MEMBRANE DE FEUILLE AVEC ADHESIF POUR SE LIER COMPLETEMENT AU BETON OU BETON PROJETE, ET PROCEDE DE FABRICATION, ET UTILISATION DUDIT ENSEMBLE**
[72] RUDYAN, AMIR, US
[73] RUDYAN, AMIR, US
[86] (3070161)
[87] (3070161)
[22] 2020-01-29
[30] US (62/798,440) 2019-01-29
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[51] **Int.Cl. H04W 28/06 (2009.01)**
[25] EN
[54] **METHODS AND DEVICES FOR TRANSMITTING DATA UNITS, WITH SELECTIVE RADIO LINK CONTROL (RLC) SERVICE DATA UNIT (SDU) DISCARDING**
[54] **METHODES ET DISPOSITIFS POUR TRANSMETTRE DES UNITES DE DONNEES COMPORTANT L'ELIMINATION SELECTIVE D'UNITES DE DONNEES DE SERVICE PAR CONTROLE DE LIAISON RADIO**
[72] LEE, GYEONGCHEOL, KR
[72] YI, SEUNGJUNE, KR
[73] LG ELECTRONICS INC., KR
[85] 2020-02-05
[86] 2018-08-09 (PCT/KR2018/009130)
[87] (WO2019/031892)
[30] US (62/543,996) 2017-08-11

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[25] EN
[54] **CANNULATED T-HANDLE DRIVER**
[54] **DISPOSITIF D'ENTRAINEMENT A POIGNEE EN T CANULE**
[72] MUSER, ANDREW P., US
[72] KAM, ANDREW, US
[73] CONMED CORPORATION, US
[85] 2020-02-05
[86] 2018-08-29 (PCT/US2018/048434)
[87] (WO2019/046359)
[30] US (62/552,460) 2017-08-31
[30] US (62/640,817) 2018-03-09

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[25] EN
[54] **SEED FURROW LIQUID APPLICATION SYSTEMS, METHODS, AND APPARATUSES**
[54] **SYSTEMES, PROCEDES ET APPAREILS D'APPLICATION DE LIQUIDE A DES SILLONS DE SEMIS**
[72] HESTERBERG, CONNOR M., US
[72] SAUDER, TIMOTHY A., US
[72] RITLAND, TYLER R., US
[73] 360 YIELD CENTER, LLC, US
[85] 2020-02-18
[86] 2018-08-21 (PCT/US2018/047367)
[87] (WO2019/040518)
[30] US (62/547,983) 2017-08-21
[30] US (62/633,660) 2018-02-22
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[51] **Int.Cl. E21B 41/02 (2006.01) E21B 17/00 (2006.01)**
[25] EN
[54] **CORROSION PROTECTION ELEMENT FOR DOWNHOLE CONNECTIONS**
[54] **ELEMENT DE PROTECTION CONTRE LA CORROSION POUR RACCORDS DE FOND DE TROU**
[72] SARMIENTO KLAPPER, HELMUTH, US
[72] PETER, ANDREAS, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-02-13
[86] 2018-08-20 (PCT/US2018/047040)
[87] (WO2019/036703)
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[25] EN
[54] **SURFACE CLEANING HEAD FOR VACUUM CLEANER**
[54] **TETE DE NETTOYAGE DE SURFACE POUR ASPIRATEUR**
[72] UDY, ADAM, GB
[72] BROWN, ANDRE D., US
[72] FREESE, JOHN, US
[72] CLEARY, PATRICK, US
[72] MEYER, DANIEL, US
[72] INNES, DANIEL J., US
[72] THORNE, JASON B., US
[72] HUTCHINSON, PETER, CN
[72] HOWES, GORDON, CN
[72] GAO, WENXIU, CN
[72] DER MARDEROSIAN, DANIEL R., US
[72] FORD, THOMAS D., US
[72] JOHNSON, OWEN R., US
[73] SHARKNINJA OPERATING LLC, US
[85] 2020-02-21
[86] 2018-08-22 (PCT/US2018/047525)
[87] (WO2019/040623)
[30] US (15/685,456) 2017-08-24

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[25] EN
[54] **SURFACE CLEANING APPARATUS WITH DRYING CYCLE**
[54] **APPAREIL DE NETTOYAGE DE SURFACE AVEC CYCLE DE SECHAGE**
[72] ASHBAUGH, KURT, US
[72] PRUIETT, JASON W., US
[72] MILLER, DAVID M., US
[72] VANTONGEREN, TODD R., US
[73] BISSELL INC., US
[86] (3073684)
[87] (3073684)
[22] 2020-02-25
[30] US (62/810,525) 2019-02-26

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[25] EN
[54] **APPARATUS AND METHOD FOR GENERATING BROADCASTING SIGNAL FRAME THAT INCLUDES PREAMBLE FOR SIGNALLING INJECTION LEVEL INFORMATION**
[54] **APPAREIL ET PROCEDE POUR GENERER UNE TRAME DE SIGNAL DE DIFFUSION QUI COMPREND UN PREAMBULE AFIN DE SIGNALER DES INFORMATIONS DE NIVEAU D'INJECTION**
[72] PARK, SUNG-IK, KR
[72] LEE, JAE-YOUNG, KR
[72] KWON, SUN-HYOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (3074537)
[87] (3074537)
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[62] 3,001,545
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[25] EN
[54] **ON-SET FACIAL PERFORMANCE CAPTURE AND TRANSFER TO A THREE-DIMENSIONAL COMPUTER-GENERATED MODEL**
[54] **CAPTURE ET TRANSFERT DE REPRESENTATION FACIALE EN DIRECT VERS UN MODELE TRIDIMENSIONNEL GENERE PAR ORDINATEUR**
[72] GRABLI, STEPHANE, US
[72] BAO, MICHAEL, US
[72] KAREFELT, PER, US
[72] FERRALL-NUNGE, ADAM, US
[72] YOST, JEFFERY, US
[72] FEDKIW, RONALD, US
[72] PHILLIPS, CARY, US
[72] HELMAN, PABLO, US
[72] ESTEBECORENA, LEANDRO, US
[73] LUCASFILM ENTERTAINMENT COMPANY LTD., US
[86] (3074547)
[87] (3074547)
[22] 2020-03-05
[30] US (62/814,994) 2019-03-07
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[25] EN
[54] **ROTATING DISK VALVE FOR ROTARY STEERABLE TOOL**
[54] **SOUPAPE A DISQUE TOURNANTE POUR OUTIL ROTATIF ORIENTABLE**
[72] FARLEY, STEVEN, US
[72] CONGER, ROBERT, US
[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US
[85] 2020-03-04
[86] 2018-09-07 (PCT/US2018/050085)
[87] (WO2019/083622)
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[25] EN
[54] **SYSTEM FOR MONITORING HEART CONDITION OF FISH**
[54] **SYSTEME DE SURVEILLANCE DE L'ETAT DU COEUR D'UN POISSON**
[72] MIYATA, TSUYOSHI, JP
[72] OSHIMA, SYUN-ICHIROU, JP
[72] KATO, MOTOMI, JP
[72] MIKI, KATSUYA, JP
[72] IWATANI, MASAO, JP
[72] FUJISAWA, SUGURU, JP
[73] NATIONAL INSTITUTE OF TECHNOLOGY, JP
[73] NATIONAL UNIVERSITY CORPORATION KOCHI UNIVERSITY, JP
[73] DAICEL CORPORATION, JP
[85] 2020-03-05
[86] 2018-08-01 (PCT/JP2018/028869)
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[25] EN
[54] **DIGITAL MICROFLUIDIC DEVICES INCLUDING DUAL SUBSTRATES WITH THIN-FILM TRANSISTORS AND CAPACITIVE SENSING**
[54] **DISPOSITIFS MICROFLUIDIQUES NUMERIQUES COMPRENANT DES SUBSTRATS DOUBLES A TRANSISTORS EN COUCHES MINCES ET DETECTION CAPACITIVE**
[72] FRENCH, IAN, TW
[73] NUCLERA NUCLEICS LTD., GB
[85] 2020-03-09
[86] 2018-10-16 (PCT/US2018/056037)
[87] (WO2019/079267)
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[25] EN
[54] **SIMULATING FLUID PRODUCTION USING A RESERVOIR MODEL AND A TUBING MODEL**
[54] **SIMULATION DE PRODUCTION DE FLUIDE EN UTILISANT UN MODELE DE RESERVOIR ET UN MODELE DE TUBAGE**
[72] PARAK, MAHDI, US
[72] NWACHUKWU, JOSEPH CHUKWUMA, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2020-03-16
[86] 2017-11-13 (PCT/US2017/061335)
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[54] **THERMO-KINETIC MIXING FOR PHARMACEUTICAL APPLICATIONS**
[54] **MELANGE THERMOCINETIQUE POUR DES APPLICATIONS PHARMACEUTIQUES**
[72] BROUGH, CHRIS, US
[72] MCGINITY, JAMES W., US
[72] MILLER, DAVE A., US
[72] DINUNZIO, JAMES C., US
[72] WILLIAMS, ROBERT O, III, US
[73] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[73] DISPERSOL TECHNOLOGIES, LLC, US
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[87] (3076115)
[22] 2008-08-21
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[30] US (60/957,044) 2007-08-21
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[51] **Int.Cl. G01N 33/487 (2006.01) B01L 3/00 (2006.01) H01R 13/629 (2006.01)**
[25] EN
[54] **KIT OF FIRST AND SECOND PARTS ADAPTED FOR CONNECTION TO EACH OTHER**
[54] **KIT DE PREMIERE ET SECONDE PARTIES CONCUES POUR ETRE RELIEES L'UNE A L'AUTRE**
[72] WATERMAN, DAVID, GB
[72] SMITH, RICHARD, GB
[73] OXFORD NANOPORE TECHNOLOGIES PLC, GB
[85] 2020-03-17
[86] 2017-09-28 (PCT/GB2017/052910)
[87] (WO2019/063959)

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[51] **Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01)**
[25] EN
[54] **NATURAL GAS LIQUEFACTION BY A HIGH PRESSURE EXPANSION PROCESS**
[54] **LIQUEFACTION DE GAZ NATUREL AU MOYEN D'UN PROCEDE DE DETENTE A HAUTE PRESSION**
[72] PIERRE, FRITZ, JR., US
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
[85] 2020-03-20
[86] 2018-08-24 (PCT/US2018/047955)
[87] (WO2019/067123)
[30] US (62/565,725) 2017-09-29

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[51] **Int.Cl. F28F 3/08 (2006.01)**
[25] EN
[54] **HEAT TRANSFER PLATE AND A PLATE PACK FOR A HEAT EXCHANGER COMPRISING A PLURALITY OF SUCH HEAT TRANSFER PLATES**
[54] **PLAQUE DE TRANSFERT DE CHALEUR ET GROUPEMENT DE PLAQUES POUR ECHANGEUR DE CHALEUR DOTE D'UNE PLURALITE DE TELLES PLAQUES DE TRANSFERT DE CHALEUR**
[72] NILSSON, JOHAN, SE
[72] HEDBERG, MAGNUS, SE
[73] ALFA LAVAL CORPORATE AB, SE
[85] 2020-03-23
[86] 2018-09-11 (PCT/EP2018/074380)
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[25] EN
[54] **SYSTEMS AND METHODS FOR PULLING AND INSTALLING POSTS**
[54] **SYSTEMES ET PROCEDES DE TRACTION ET D`INSTALLATION DE POTEAUX**
[72] JACKSON, MICHAEL P., US
[72] TUTTLE, RYAN E., US
[72] MOSER, TRAVIS R., US
[72] ERDMAN, JACOB D., US
[73] CIVES CORPORATION, US
[86] (3077473)
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[25] EN
[54] **POWER END FOR HYDRAULIC FRACTURING PUMP**
[54] **EXTREMITE D'ALIMENTATION D'UNE POMPE DE FRACTURATION HYDRAULIQUE**
[72] BUCKLEY, CHRISTOPHER PAUL, US
[73] ST9 GAS AND OIL, LLC, US
[86] (3077913)
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[22] 2020-04-08
[30] US (16/680,305) 2019-11-11

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[25] EN
[54] **MULTIMODAL UNMANNED AERIAL SYSTEMS HAVING TILTABLE WINGS**
[54] **SYSTEMES AERIENS SANS PILOTE MULTIMODAUX DOTES D`AILES INCLINABLES**
[72] BERNARD, GUY, CA
[73] TEXTRON INNOVATIONS INC., US
[86] (3077958)
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[22] 2020-04-15
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[25] EN
[54] **DRESSING ASSEMBLIES FOR WOUND TREATMENT USING REDUCED PRESSURE**
[54] **STRUCTURES DE PANSEMENT POUR LE TRAITEMENT DE BLESSURES UTILISANT UNE PRESSION REDUITE**
[72] BARTA, ERIC WOODSON, US
[72] KAZALA, RICHARD MARVIN, JR., US
[72] LONG, JUSTIN ALEXANDER, US
[72] WILKES, ROBERT PEYTON, US
[72] YAO, LI, US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
[86] (3078635)
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[22] 2009-05-29
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[30] US (61/057,802) 2008-05-30
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[25] EN
[54] **TREATMENT METHODS USING AQUEOUS FLUIDS CONTAINING OIL-SOLUBLE TREATMENT AGENTS**
[54] **PROCEDES DE TRAITEMENT METTANT EN OEUVRE DES FLUIDES AQUEUX CONTENANT DES AGENTS DE TRAITEMENT SOLUBLES DANS L'HUILE**
[72] BHADURI, SUMIT, US
[72] DEBENEDICTIS, FRANCES H., US
[72] GUPTA, D.V. SATYANARAYANA, US
[73] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2020-04-17
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[25] EN
[54] **IMPLANTABLE HEAD MOUNTED NEUROSTIMULATION SYSTEM FOR HEAD PAIN**
[54] **SYSTEME IMPLANTABLE DE NEUROSTIMULATION IMPLANTE DANS LE CRANE POUR LUTTER CONTRE LES MAUX DE TETE**
[72] REED, KENNETH LYLE, US
[72] BULGER, ROBERT RAYMOND, US
[73] SHIRATRONICS, INC., US
[86] (3080611)
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[51] **Int.Cl. H04N 19/50 (2014.01)**
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[54] **REFRESHING REFERENCE PICTURE STORAGE MEMORY AFTER A CODING PROCESS BY CLEARING ACCESS TO REFERENCE PICTURES WHICH ARE NOT RANDOM ACCESS PICTURES**
[54] **RAFRAICHISSEMENT DE MEMOIRE DE STOCKAGE D'IMAGES DE REFERENCE APRES UN TRAITEMENT DE CODAGE EN LIBERANT L'ACCES AUX IMAGES DE REFERENCE QUI NE SONT PAS DES IMAGES A ACCES ALEATOIRE**
[72] BOON, CHOONG SENG, JP
[72] SUZUKI, YOSHINORI, JP
[72] FUJIBAYASHI, AKIRA, JP
[72] TAN, THIOW KENG, JP
[73] NTT DOCOMO, INC., JP
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[87] (3081303)
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[62] 3,009,695
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[54] **METHOD AND SYSTEM FOR CONNECTED ADVANCED FLARE ANALYTICS**
[54] **PROCEDE ET SYSTEME POUR ANALYTIQUE DE POUSSEE AVANCEE DE RESEAU**
[72] GURAJAPU, PRASANNA MURTHY, US
[72] BEHERA, BIMALANANDA, US
[72] PRABHAKAR, VARUN, US
[72] PAMULAPARTHY, VENKATA DHRUVA, US
[73] HONEYWELL INTERNATIONAL INC., US
[86] (3081967)
[87] (3081967)
[22] 2020-06-04
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[54] **SYSTEM FOR CONCENTRATING SOLVENT-CONTAINING ARTICLES, AND CONCENTRATE**
[54] **SYSTEME DE CONCENTRATION D'ELEMENTS CONTENANT DES SOLVANTS, ET CONCENTRE**
[72] FUJITA, MITSURU, JP
[72] KIGUCHI, AKIRA, JP
[72] MIKAWA, MASATO, JP
[72] SUZUKI, TAKASHI, JP
[73] ASAHI KASEI KABUSHIKI KAISHA, JP
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[54] **RAILWAY CAR HATCH COVER LATCH**
[54] **VERROU DE COUVERCLE DE TRAPPE DE WAGON DE CHEMIN DE FER**
[72] WARREN, RICHARD, US
[73] AMSTED RAIL COMPANY, INC., US
[85] 2020-05-27
[86] 2018-11-30 (PCT/US2018/063365)
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[54] **METHOD AND APPARATUS FOR MOTION COMPENSATION PREDICTION WITH MULTIPLE FRACTIONAL SAMPLE INTERPOLATIONS**
[54] **METHODE ET APPAREIL DE PREDICTION DE LA COMPENSATION DE MOUVEMENT AU MOYEN D'INTERPOLATIONS D'ECHANTILLONS FRACTIONNAIRES**
[72] BOSSEN, FRANK, JAN, US
[73] NTT DOCOMO, INC., JP
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[54] **COATING COMPOSITION**
[54] **COMPOSITION DE MATERIAU DE REVETEMENT**
[72] NAKABAYASHI, TAKUYA, JP
[72] UEDA, TAKUYA, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2020-06-26
[86] 2018-12-20 (PCT/JP2018/047094)
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[25] EN
[54] **COATING COMPOSITION, COATED ARTICLE AND METHOD FOR FORMING MULTILAYER COATING FILM**
[54] **COMPOSITION DE REVETEMENT, ARTICLE REVETU ET PROCEDE DE FORMATION DE FILM DE REVETEMENT MULTICOUCHE**
[72] OMURA, MASAHIRO, JP
[72] KOMATSU, MIHO, JP
[73] KANSAI PAINT CO., LTD., JP
[85] 2020-06-26
[86] 2018-12-27 (PCT/JP2018/048348)
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[54] **PALLET SHELFING APPARATUS**
[54] **APPAREIL D'AGENCEMENT DE PALETTE**
[72] PICHA, GUY, IL
[73] SOFTENLIFT LTD., IL
[85] 2020-05-26
[86] 2018-11-29 (PCT/IL2018/051304)
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[25] EN
[54] **SELF-ORIENTING GAS EVADING INTAKE FOR SUBMERSIBLE PUMPS**
[54] **ADMISSION DE GAZ AUTO-ORIENTABLE POUR POMPES SUBMERSIBLES**
[72] HILL, JASON EUGENE, US
[72] BROWN, DONN J., US
[72] WEBSTER, JOSHUA WAYNE, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
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[25] EN
[54] **ARRANGEMENT AND METHOD FOR INSTALLING CASING**
[54] **AGENCEMENT ET PROCEDE D'INSTALLATION DE TUBAGE**
[72] KESKINIVA, MARKKU, FI
[73] MINCON NORDIC OY, FI
[85] 2020-07-21
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[54] **SOCIAL DISTANCING COLUMNAR CUBICLE SYSTEM**
[54] **SYSTEME DE CUBICULE A COLONNES POUR L'ELOIGNEMENT SOCIAL**
[72] JOLIE, JOE, CA
[73] FENOVATION LIMITED, CA
[86] (3089504)
[87] (3089504)
[22] 2020-08-05

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[51] **Int.Cl. C08J 3/05 (2006.01)**
[25] EN
[54] **AQUEOUS POLYOLEFIN DISPERSION**
[54] **DISPERSION AQUEUSE DE POLYOLEFINE**
[72] MAIER, ANNA, DE
[72] REICHENBACH, ANITA, DE
[73] ACTEGA DS GMBH, DE
[85] 2020-07-27
[86] 2019-03-21 (PCT/EP2019/057048)
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[54] **AUGMENTED REALITY BASED HORTICULTURAL CARE TRACKING**
[54] **SUIVI DE SOINS HORTICOLES A BASE DE REALITE AUGMENTEE**
[72] GREENBERG, ADAM PHILLIP TAKLA, US
[72] KING, MATTHEW CHARLES, US
[73] IUNU, INC., US
[85] 2020-07-27
[86] 2019-02-06 (PCT/US2019/016927)
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[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING USER ACTIVITIES**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE DES ACTIVITES D'UN UTILISATEUR**
[72] NIAZI, RAZIEH, CA
[73] BANK OF MONTREAL, CA
[86] (3089849)
[87] (3089849)
[22] 2020-08-12
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[25] EN
[54] **MIXED POWDER FOR POWDER METALLURGY**
[54] **POUDRE MELANGEE POUR METALLURGIE DES POUDRES**
[72] SHIMAMOTO, HANAKO, JP
[72] UNAMI, SHIGERU, JP
[73] JFE STEEL CORPORATION, JP
[85] 2020-08-05
[86] 2018-12-12 (PCT/JP2018/045746)
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[51] **Int.Cl. C01B 3/36 (2006.01) C21B 13/00 (2006.01)**
[25] EN
[54] **OXYGEN INJECTION SYSTEM FOR A DIRECT REDUCTION PROCESS**
[54] **SYSTEME D'INJECTION D'OXYGENE POUR UN PROCEDE DE REDUCTION DIRECTE**
[72] MICHISHITA, HARUYASU, US
[72] ELLIOTT, ANTONIO, US
[73] MIDREX TECHNOLOGIES, INC., US
[85] 2020-08-17
[86] 2019-03-25 (PCT/US2019/023832)
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[51] **Int.Cl. G10L 25/84 (2013.01) G10L 15/10 (2006.01) G10L 15/18 (2013.01)**
[25] EN
[54] **PROCESSING AND VISUALISING AUDIO SIGNALS**
[54] **TRAITEMENT ET VISUALISATION DE SIGNAUX AUDIO**
[72] TUCKER, ROGER, GB
[73] SONOCENT LIMITED, GB
[85] 2020-09-09
[86] 2020-04-16 (PCT/GB2020/050963)
[87] (WO2020/212703)
[30] GB (1905445.1) 2019-04-17

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[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
[73] AMERICAN STERILIZER COMPANY, US
[85] 2020-09-02
[86] 2018-12-19 (PCT/US2018/066352)
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[30] US (62/642,185) 2018-03-13
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[51] **Int.Cl. H04W 64/00 (2009.01) G01C 22/00 (2006.01)**
[25] EN
[54] **MAGNETIC PARAMETER-BASED LOCALIZATION IN MOBILE DEVICE NAVIGATION**
[54] **LOCALISATION FONDEE SUR LES PARAMETRES MAGNETIQUES DANS UNE NAVIGATION DE DISPOSITIF MOBILE**
[72] KARON, JOSHUA, CA
[72] HUBERMAN, SEAN, CA
[73] MAPSTED CORP., CA
[86] (3094328)
[87] (3094328)
[22] 2020-09-24
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[51] **Int.Cl. A01M 23/02 (2006.01) A01M 23/08 (2006.01)**
[25] EN
[54] **ANIMAL TRAP**
[54] **PIEGE A ANIMAUX**
[72] DENICOLA, ANTHONY J., US
[73] WHITE BUFFALO, INC., US
[86] (3097705)
[87] (3097705)
[22] 2020-11-02
[30] US (63/011,546) 2020-04-17
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[25] EN
[54] **POTENTIAL EQUALISATION SYSTEM FOR A MODULAR MULTILEVEL CONVERTER**
[54] **SYSTEME DE LIAISON EQUIPOTENTIELLE POUR UN CONVERTISSEUR MODULAIRE A PLUSIEURS NIVEAUX**
[72] ANHEUER, MATHIAS, DE
[72] BOHME, DANIEL, DE
[72] DALLMEIER, JOHANNES, DE
[72] DAUMLER, FELIX, DE
[72] EISMANN, CHRISTOPHER, DE
[72] GRIESSL, JOHANNES, DE
[72] HOLWEG, JOHANN, DE
[72] HUBER, ADRIAN, DE
[72] KAPELKE, MARTIN, DE
[72] RUDEK, MICHAEL, DE
[72] SCHRAMMEL, CHRISTIAN, DE
[72] STOLTZE, TORSTEN, DE
[72] WAHLE, MARCUS, DE
[72] WEBER, JOHANNES, DE
[73] SIEMENS ENERGY GLOBAL GMBH & CO. KG, DE
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[25] EN
[54] **SYSTEM FOR IMAGING LESIONS ALIGNING TISSUE SURFACES**
[54] **SYSTEME POUR L'IMAGERIE DE LESIONS ALIGNANT DES SURFACES DE TISSU**
[72] SHACHAF, CATHERINE M., US
[72] SHACHAF, AMIT, US
[73] SHACHAF, CATHERINE M., US
[73] SHACHAF, AMIT, US
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[51] **Int.Cl. G06Q 50/02 (2012.01) A01C 1/00 (2006.01)**
[25] EN
[54] **RISK-ADJUSTED HYBRID SEED SELECTION AND CROP YIELD OPTIMIZATION BY FIELD**
[54] **SELECTION DE SEMENCES HYBRIDES EN FONCTION DU RISQUE ET OPTIMISATION DU RENDEMENT DES CULTURES PAR CHAMP**
[72] BULL, JASON, US
[72] ROCK, DAVID, US
[72] HAN, JOO YOON, US
[72] JIANG, DONGMING, US
[72] REICH, TIMOTHY, US
[72] JACOBS, MORRISON, US
[72] XIE, YAO, US
[72] YANG, XIAO, US
[72] EHLMANN, TONYA, US
[72] TRAPP, ALLAN, US
[73] CLIMATE LLC, US
[85] 2021-03-11
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[25] EN
[54] **DOWNHOLE TELEMETRY SUB FOR COMMUNICATION WITH SURFACE**
[54] **SYSTEME DE TELEMETRIE DE FOND DE TROU ET METHODE ASSOCIEE**
[72] PAN, XIA, CA
[72] CALIN, SILVIU, CA
[72] HU, ZHENYUAN, CA
[72] LIU, FUCHUN, CA
[72] WANG, ZHIQUN, CA
[72] HERZIG, MICHEL, CA
[72] WANG, JACK, CA
[73] U-TARGET ENERGY LTD., CA
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[51] **Int.Cl. G06F 15/16 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR DEVELOPMENT OF WEB PRODUCTS**
[54] **SYSTEMES ET PROCEDES DE DEVELOPPEMENT DE PRODUITS WEB**
[72] LIU, XIN, US
[72] OU, YURAN, US
[72] XIAO, TIANYU, US
[73] CITRIX SYSTEMS, INC., CN
[85] 2021-05-21
[86] 2018-12-27 (PCT/CN2018/124417)
[87] (WO2020/133083)

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[51] **Int.Cl. B28B 11/24 (2006.01) B28B 11/08 (2006.01) C04B 40/02 (2006.01)**
[25] EN
[54] **METHOD FOR MAKING CARBONATED PRECAST CONCRETE PRODUCTS WITH ENHANCED DURABILITY**
[54] **METHODE DE FABRICATION DE PRODUITS DE BETON PREFABRIQUE CHARBONNE A DURABILITE AMELIOREE**
[72] QI, HUCHENG, CA
[72] MAHOUTIAN, MEHRDAD, CA
[72] HOGE, KARMEN, CA
[73] CARBICRETE INC., CA
[85] 2021-09-02
[86] 2021-04-20 (PCT/CA2021/050533)
[87] (WO2021/243441)
[30] US (63/034,037) 2020-06-03

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[51] **Int.Cl. G01N 27/22 (2006.01) G08C 17/02 (2006.01)**
[25] EN
[54] **REMOTE WIRELESS MOISTURE SENSORS FOR IRRIGATION**
[54] **CAPTEURS D'HUMIDITE SANS FIL A DISTANCE POUR L'IRRIGATION**
[72] PRUESSNER, DANIEL MORGAN, US
[73] SPRINKL. IO LLC, US
[85] 2021-08-13
[86] 2019-03-01 (PCT/US2019/020217)
[87] (WO2019/169226)
[30] US (15/910,545) 2018-03-02

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[51] **Int.Cl. E02D 7/00 (2006.01)**
[25] EN
[54] **PILE PRESS-IN DEVICE AND PILE PRESS-IN METHOD**
[54] **DISPOSITIF D'ENFONCEMENT DE PIEU ET PROCEDE D'ENFONCEMENT DE PIEU**
[72] ONO, MASAAKI, JP
[72] ONO, KATSUHIKO, JP
[72] MORIOKA, YOSHIHIRO, JP
[72] NONAKA, KENGO, JP
[73] GIKEN LTD., JP
[85] 2021-08-26
[86] 2020-02-19 (PCT/JP2020/006508)
[87] (WO2020/175269)
[30] JP (2019-035736) 2019-02-28

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[51] **Int.Cl. G01N 35/02 (2006.01) G01N 35/04 (2006.01)**
[25] EN
[54] **DISPOSABLE PIPETTE TIP MANAGEMENT**
[54] **GESTION DE POINTE DE PIPETTE JETABLE**
[72] COMBS, DAVID H., US
[72] HAGEN, NORBERT D., US
[72] BAKER, AYRA, US
[72] ELLIS, JOSEPH REED, US
[73] GEN-PROBE INCORPORATED, US
[85] 2021-09-21
[86] 2020-03-19 (PCT/US2020/023641)
[87] (WO2020/205264)
[30] US (62/826,599) 2019-03-29

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[51] **Int.Cl. B65B 5/08 (2006.01) B65B 5/00 (2006.01)**
[25] EN
[54] **GATING SYSTEM FOR ACCUMULATING ITEMS AND RELATED FILLING MACHINE AND METHODS**
[54] **SYSTEME DE DECLENCHEMENT PERMETTANT D'ACCUMULER DES ARTICLES ET PROCEDES ET MACHINE DE REMPLISSAGE ASSOCIES**
[72] SAVOIE-LAVIGUEUR, GUILLAUME, CA
[72] LEBEL, ALEXANDRE, CA
[72] LAJOIE, SIMON, CA
[72] CARON, OLIVIER, CA
[72] CHABOT-NOBERT, GUILLAUME, CA
[72] BOISSONNEAULT, STEVE, CA
[73] BLUE SKY VENTURES (ONTARIO) INC., CA
[85] 2021-09-22
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[87] (WO2020/202032)
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[25] EN
[54] **MODBUS SYSTEM HAVING ACTUAL AND VIRTUAL SLAVE ADDRESSES AND SLAVE SENSORS**
[54] **SYSTEME MODBUS AYANT DES ADRESSES ESCLAVES REELLES ET VIRTUELLES, ET CAPTEURS ESCLAVES**
[72] FAYFIELD, ROBERT T., US
[72] RUE, MARK RICHARD, US
[73] BANNER ENGINEERING CORP., US
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[25] EN
[54] **FISHING LURE**
[54] **APPAT DE PECHE**
[72] BOLDT, KYLE, CA
[71] BOLDT, KYLE, CA
[22] 2020-12-12
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[21] **3,102,563**
[13] A1
[51] **Int.Cl. F03H 1/00 (2006.01) F03G 7/00 (2006.01)**
[25] EN
[54] **IONIC PROPULSIVE GRID TOPOLOGY EMITTER COMBINATION**
[54] **COMBINAISON D'EMETTEUR ET DE TOPOLOGIE DE RESEAU PROPULSIVE IONIQUE**
[72] RANDELL, SARANTIS L., CA
[71] RANDELL, SARANTIS L., CA
[22] 2020-12-13
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[13] A1
[51] **Int.Cl. G06F 21/10 (2013.01) H04H 60/21 (2009.01) H04H 60/31 (2009.01)**
[25] EN
[54] **AUTOMATED MICROPAYMENT MARKETPLACE TO FACILITATE THE AUTHORIZED USE OF COPYRIGHT-PROTECTED MUSIC DURING INTERNET BROADCASTS**
[54] **MARCHE DE MICROPAIEMENT AUTOMATISE POUR FACILITER L'UTILISATION AUTORISEE DE MUSIQUE PROTEGEE PAR LE DROIT D'AUTEUR PENDANT DES DIFFUSIONS SUR INTERNET**
[72] MADDOCK, JEREMY, CA
[71] MADDOCK, JEREMY, CA
[22] 2020-12-14
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[51] **Int.Cl. B60P 7/02 (2006.01) B60J 11/06 (2006.01)**
[25] EN
[54] **PICKUP TRUCK BED COVER**
[54] **COUVRE-CAISSE DE CAMIONNETTE**
[72] LAWSON, MARK, CA
[71] LAWSON, MARK, CA
[22] 2020-12-14
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[51] **Int.Cl. F23C 3/00 (2006.01) F24C 3/00 (2006.01) F24C 15/32 (2006.01)**
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[54] **CONVECTIVE OUTDOOR HEATER**
[54] **RADIATEUR EXTERIEUR A CONVECTION**
[72] WARDROP, WALTER, CA
[72] BARBER, NICHOLAS, CA
[71] HYBRID ENERGIES ALTERNATIVES TECHNOLOGIES INC., CA
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[54] **BUM BUDDY (S. STYCK)**
[54] **BUM BUDDY (S. STYCK)**
[72] CONFIANT, JOSEPH, CA
[71] CONFIANT, JOSEPH, CA
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[25] EN
[54] **USE OF UPGRADER PRODUCTS FOR MOBILIZING BITUMEN DURING AN IN SITU STARTUP PROCESS**
[54] **UTILISATION DE PRODUITS DE VALORISATION POUR MOBILISER LE BITUME DANS UN PROCEDE DE DEMARRAGE SUR PLACE**
[72] SOOD, ARUN, CA
[72] REDDY, PRABHAKAR, CA
[72] POK, JOE, CA
[71] SUNCOR ENERGY INC., CA
[22] 2020-12-15
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[25] EN
[54] **FOLDABLE KINDLING STORAGE AND CARRYING APPARATUS WITH PROTECTIVE WATER-REPELLENT COVER**
[54] **APPAREIL DE STOCKAGE ET DE TRANSPORT PLIANT DE PETIT BOIS COMPRENANT UN COUVERCLE DE PROTECTION ETANCHE A L'EAU**
[72] JONES-MOORE, SUSAN L., CA
[71] JONES-MOORE, SUSAN L., CA
[22] 2020-12-16
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[51] **Int.Cl. B65D 83/00 (2006.01) A47K 5/00 (2006.01) B05C 1/06 (2006.01) B65D 47/42 (2006.01)**
[25] EN
[54] **FLUID APPLICATOR DEVICE FOR FINGERTIPS**
[54] **APPLICATEUR DE LIQUIDE POUR LE BOUT DES DOIGTS**
[72] MAHADEO, SHEENA, CA
[71] MAHADEO, SHEENA, CA
[22] 2020-12-16
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[51] **Int.Cl. A63B 59/70 (2015.01) A63B 60/06 (2015.01)**
[25] EN
[54] **HOCKEY STICK ADAPTOR PLUG**
[54] **BOUCHON D'ADAPTATEUR POUR BATON DE HOCKEY**
[72] DHILLON, RASHPAL, CA
[71] DHILLON, RASHPAL, CA
[22] 2020-12-16
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[21] **3,102,731**
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[51] **Int.Cl. G01W 1/00 (2006.01) G01W 1/10 (2006.01) G08G 1/0967 (2006.01)**
[25] EN
[54] **DATA PROCESSING FOR INTERSECTION-MOUNTED WEATHER STATIONS**
[54] **TRAITEMENT DE DONNEES POUR LES STATIONS METEO INSTALLEES A UNE INTERSECTION**
[72] GODFREY, SCOTT, CA
[72] GODFREY, LISA, CA
[71] THE GET GO INC. DBA GGI ROAD & TRAFFIC, CA
[22] 2020-12-16
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[21] **3,102,741**
[13] A1
[51] **Int.Cl. C11D 17/06 (2006.01) C11D 1/75 (2006.01) C11D 1/90 (2006.01) C11D 3/37 (2006.01) C11D 3/48 (2006.01)**
[25] EN
[54] **HARD SURFACE CLEANER AND BIOCIDE DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE BIOCIDE ET DE NETTOYANT DE SURFACE DURE**
[72] DABOVE, DANIEL A. C., CA
[72] AL-FARAJ, ALA'A, CA
[72] ROBICHAUD, MICHEL, CA
[71] DIZOLVE GROUP CORPORATION, CA
[22] 2020-12-15
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[21] **3,102,763**
[13] A1
[51] **Int.Cl. G06F 21/50 (2013.01)**
[25] FR
[54] **ROUTING IDENTIFICATION SYSTEM**
[54] **SYSTEME D'IDENTIFICATION PAR ROUTAGE**
[72] ROBERT-THOMAS, MATHIAS, CA
[71] ROBERT-THOMAS, MATHIAS, CA
[22] 2020-12-16
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[21] **3,102,770**
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[51] **Int.Cl. E21B 43/24 (2006.01) E21B 36/04 (2006.01)**
[25] EN
[54] **PULSED ELECTRIC RESISTIVE HEATING FOR STARTUP PROCESSES**
[54] **CHAUFFAGE RESISTIF ELECTRIQUE PAR IMPULSION POUR DES PROCEDES DE DEMARRAGE**
[72] LASTIWKA, MARTIN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2020-12-16
[41] 2022-06-16

[21] **3,102,772**
[13] A1
[51] **Int.Cl. E04G 17/00 (2006.01)**
[25] EN
[54] **A STRUCTURAL CONNECTOR FOR FASTENING STRUCTURAL COMPONENTS IN INSULATED CONCRETE FORMWORK**
[54] **CONNECTEUR STRUCTURAL POUR ATTACHER DES ELEMENTS STRUCTURAUX DANS DES COFFRAGES A BETON ISOLES**
[72] MONTY, STEPHEN, AU
[71] BURMON HOLDINGS PTY LTD, AU
[22] 2020-12-17
[41] 2022-06-14
[30] US (17/120,457) 2020-12-14

[21] **3,102,822**
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[51] **Int.Cl. B25C 7/00 (2006.01) E04F 21/00 (2006.01)**
[25] EN
[54] **WORKING END FOR A NAIL DRIVING TOOL**
[54] **EXTREMITE DE TRAVAIL POUR UN OUTIL D'ENTRAINEMENT A CLOUS**
[72] TSE, DESMOND, CA
[72] WALTER, TOMAS, CA
[71] TSE, DESMOND, CA
[71] WALTER, TOMAS, CA
[22] 2020-12-16
[41] 2022-06-16

[21] **3,102,874**
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[51] **Int.Cl. E02B 3/06 (2006.01) E02D 5/56 (2006.01)**
[25] EN
[54] **SEAWALL USING SCREW PILES**
[54] **VOIE MARITIME UTILISANT DES COLONNES DE CLOUS**
[72] JONES, JASON, CA
[71] JONES, JASON, CA
[22] 2020-12-18
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[51] **Int.Cl. E21B 43/24 (2006.01) E21B 43/12 (2006.01) E21B 43/20 (2006.01) E21B 43/30 (2006.01)**
[25] EN
[54] **MOBILIZING FLUID INJECTION AT MULTIPLE LOCATIONS ALONG A WELL WITH A DOWNHOLE HEATER FOR ENHANCED TEMPERATURE CONFORMANCE**
[54] **MOBILISATION D'INJECTION DE FLUIDE A PLUSIEURS EMPLACEMENTS LE LONG D'UN PUITS COMPRENANT UN RADIATEUR DE FOND DE TROU POUR UNE CONFORMITE DE TEMPERATURE AMELIOREE**
[72] RUPERT, KRISTOPHER, CA
[72] CLARKE, NATHAN, CA
[71] SUNCOR ENERGY INC., CA
[22] 2020-12-18
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[21] **3,102,925**
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[25] EN
[54] **NOVEL APPROACH TO BIOMASS DELIGNIFICATION**
[54] **NOUVELLE APPROCHE DE DELIGNIFICATION DE BIOMASSE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DEWIT, MATTHEW, CA
[72] CORBETT, ANDREW C., CA
[71] SIXRING INC., CA
[22] 2020-12-18
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[21] **3,102,944**
[13] A1
[51] **Int.Cl. C08J 11/04 (2006.01) C08H 8/00 (2010.01) C08H 7/00 (2011.01) C09K 3/00 (2006.01) D21C 3/00 (2006.01)**
[25] EN
[54] **NOVEL APPROACH TO BIOMASS DELIGNIFICATION**
[54] **NOUVELLE APPROCHE DE DELIGNIFICATION DE BIOMASSE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] CORBETT, ANDREW C., CA
[72] DEWIT, MATTHEW, CA
[71] SIXRING INC., CA
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[13] A1
[51] **Int.Cl. A61K 31/7084 (2006.01) A61K 31/015 (2006.01) A61K 31/045 (2006.01) A61K 31/07 (2006.01) A61K 31/355 (2006.01) A61K 31/365 (2006.01) A61K 31/375 (2006.01) A61K 31/59 (2006.01) A61K 31/704 (2006.01) A61K 33/06 (2006.01) A61K 33/30 (2006.01) A61P 31/14 (2006.01)**
[25] EN
[54] **NUTRACEUTICALS USEFUL IN THE TREATMENT OF CORONAVIRUS DISEASES**
[54] **PRODUITS NUTRACEUTIQUES UTILES DANS LE TRAITEMENT DES MALADIES DU CORONAVIRUS**
[72] BESS, ADAM, US
[72] BERGLIND, FREJ KNUT GOSTA, SE
[72] MUKHOPADHYAY, SUPRATIK, US
[72] WASAN, KISHOR M., CA
[72] GALLIANO, CHRIS, US
[72] BRYLINSKI, MICHAL, US
[72] CORMIER, STEPHANIA, US
[72] JELESIJEVIC, TOMISLAV, US
[72] ADER, ALLAN, US
[72] GRIGGS, NICHOLAS, US
[72] GOULD, JANET, US
[72] CHO, TIFFANY, US
[72] ABRAMOV, JULIA, US
[72] HNIK, PETER, US
[71] SKYMOUNT MEDICAL US INC., US
[71] THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE, US
[22] 2020-12-18
[41] 2022-06-18

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[13] A1
[51] **Int.Cl. H01M 8/00 (2016.01) H01M 8/0662 (2016.01) H01M 4/00 (2006.01)**
[25] FR
[54] **PHASE II ELECTRIC CURRENT GENERATOR, THE POWER OF WHICH COMES FROM AMBIENT AIR, AT AMBIENT OR ARTIFICIAL PRESSURE**
[54] **PHASE II GENERATEUR DE COURANT ELECTRIQUE PRENANT L'ENERGIE A PARTIR DE L'AIR AMBIANT, A PRESSION AMBIANTE OU PRESSION ARTIFICIELLE**
[72] ROJAS, MIGUEL, CA
[72] VASQUEZ, SEBASTIEN, CA
[71] ROJAS, MIGUEL, CA
[71] VASQUEZ, SEBASTIEN, CA
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[51] **Int.Cl. A63B 67/02 (2006.01) A63B 71/02 (2006.01) A63C 19/00 (2006.01)**
[25] EN
[54] **GOLF COURSE AND METHOD OF PLAYING GOLF GAME**
[54] **PARCOURS DE GOLF ET METHODE POUR JOUER UNE PARTIE DE GOLF**
[72] LEVACK, JOHN, CA
[71] LEVACK, JOHN, CA
[22] 2020-12-17
[41] 2022-06-17

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[13] A1
[25] EN
[54] **PACK JACK**
[54] **VERIN PACK JACK**
[72] CAMPBELL, CONNOR, CA
[71] CAMPBELL, CONNOR, CA
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[13] A1
[25] EN
[54] **KOALA GRIP HANDLE DESIGN**
[54] **CONCEPTION DE POIGNEE KOALAGRIP**
[72] WOOLAVER, ELIZABETH, CA
[71] WOOLAVER, ELIZABETH, CA
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[51] **Int.Cl. F24F 13/06 (2006.01) E04F 17/04 (2006.01) E04F 19/00 (2006.01)**
[25] EN
[54] **DROP IN FLUSH MOUNT REGISTER**
[54] **CAISSE ENCASTREE DEPOSEE**
[72] CARROLL, OWEN, CA
[71] DECOR GRATES INCORPORATED, CA
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[51] **Int.Cl. A43B 13/14 (2006.01)**
[25] EN
[54] **CHASSIS SYSTEM FOR FOOTWEAR**
[54] **SYSTEME DE CHASSIS POUR UNE CHAUSSURE**
[72] COUPE, CAMERON, US
[72] CLIFTON, JASON, US
[71] GENESCO INC., US
[22] 2020-12-21
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[51] **Int.Cl. A61K 36/07 (2006.01) A61K 35/65 (2015.01) A61K 9/14 (2006.01) A61K 36/48 (2006.01)**
[25] EN
[54] **STANDARDIZED PSYCHOACTIVE ALKALOID EXTRACT COMPOSITION**
[54] **COMPOSITION NORMALISEE D'EXTRAIT D'ALCALOIDE PSYCHOACTIF**
[72] MOSS, RYAN, CA
[72] LIGHTBURN, BENJAMIN, CA
[72] RANKEN, LISA, CA
[71] PSILO SCIENTIFIC LTD., CA
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[51] **Int.Cl. G06Q 40/02 (2012.01)**
[25] FR
[54] **SELF-CREATING AND SELF-ELIMINATING WORKING CAPITAL**
[54] **FONDS DE ROULEMENT S'AUTOCREANT ET S'AUTOELIMINANT**
[72] ROBERT-THOMAS, MATHIAS, CA
[71] ROBERT-THOMAS, MATHIAS, CA
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[21] **3,106,646**
[13] A1
[51] **Int.Cl. H01R 13/688 (2011.01) H01H 85/20 (2006.01) H01R 13/506 (2006.01)**
[25] EN
[54] **POLARIZED ELECTRICAL PLUG WITH AN OVERCURRENT PROTECTIVE DEVICE**
[54] **FICHE ELECTRIQUE POLARISEE COMPORTANT UN DISPOSITIF DE PROTECTION CONTRE LES SURINTENSITES**
[72] YEN, CHUN-CHANG, TW
[71] YEN, CHUN-CHANG, TW
[22] 2021-01-20
[41] 2022-06-18
[30] US (17/126,913) 2020-12-18

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[13] A1
[51] **Int.Cl. E21B 47/107 (2012.01) E21B 43/26 (2006.01) G01V 1/40 (2006.01)**
[25] EN
[54] **USING DISTRIBUTED ACCOUSTIC SENSING (DAS) CUMULATIVE STRAIN TO RELATE NEAR WELLBORE COMPLETIONS PERFORMANCE AND FAR-FIELD CROSS WELL COMMUNICATION**
[54] **UTILISATION D'UNE TENSION CUMULATIVE DE DETECTION ACOUSTIQUE DISTRIBUEE POUR METTRE EN RELATION LE RENDEMENT D'ACHEVEMENTS DE TROU DE FORAGE PROCHES ET LA COMMUNICATION ELOIGNEE ENTRE LES PUITS**
[72] HENAO, TITO C., US
[72] BYRD, GRAYSON DANE, US
[72] MEYER, NATHANIEL ANDREW, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2021-01-21
[41] 2022-06-16
[30] US (17/124,262) 2020-12-16

[21] **3,107,032**
[13] A1
[51] **Int.Cl. A61B 5/0536 (2021.01) A61F 2/95 (2013.01) A61B 1/05 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **IMAGING CATHETER USING TISSUE ELECTRICAL PROPERTIES**
[54] **CATHETER D'IMAGERIE UTILISANT DES CARACTERISTIQUES ELECTRIQUES DE TISSU**
[72] MIRSHEKARI, GHOLAMREZA, CA
[71] MIRSHEKARI, GHOLAMREZA, CA
[22] 2021-01-25
[41] 2022-06-14
[30] US (63/124,038) 2020-12-14

[21] **3,108,213**
[13] A1
[51] **Int.Cl. E21B 43/08 (2006.01) E21B 47/11 (2012.01)**
[25] EN
[54] **TEMPORARY PLUGGING SCREEN PIPE**
[54] **TUBE CREPINE D'OBTURATION TEMPORAIRE**
[72] QIAO, HONGYUN, CN
[72] ZHANG, YOUNGHUA, CN
[72] DUAN, HUIZHU, CN
[72] LI, WEIPING, CN
[71] ANTON OILFIELD SERVICES (GROUP) LTD., CN
[22] 2021-02-05
[41] 2022-06-15
[30] CN (202011473760.6) 2020-12-15

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[51] **Int.Cl. G06M 1/274 (2006.01) E21B 47/092 (2012.01) E21B 34/14 (2006.01) G01P 13/04 (2006.01)**
[25] EN
[54] **MAGNETIC PERMEABILITY SENSOR FOR USING A SINGLE SENSOR TO DETECT MAGNETIC PERMEABLE OBJECTS AND THEIR DIRECTION**
[54] **CAPTEUR DE PERMEABILITE MAGNETIQUE POUR UTILISER UN SEUL CAPTEUR POUR DETECTER LES OBJETS A PERMEABILITE MAGNETIQUE ET LEUR DIRECTION**
[72] WERKHEISER, GREGORY THOMAS, US
[72] WALTON, ZACHARY WILLIAM, US
[72] FRIPP, MICHAEL LINLEY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[22] 2021-02-11
[41] 2022-06-16
[30] US (17/123,370) 2020-12-16

[21] **3,110,939**
[13] A1
[51] **Int.Cl. F16K 11/20 (2006.01) E03C 1/02 (2006.01)**
[25] EN
[54] **L-BALL UNION DRAIN VALVE**
[54] **CLAPET DE VIDANGE A RACCORD-UNION A BILLE EN L**
[72] MASON, CHRISTOPHER W., US
[72] LYON, LISA, US
[71] NIBCO INC., US
[22] 2021-03-02
[41] 2022-06-18
[30] US (17/126.104) 2020-12-18

[21] **3,112,213**
[13] A1
[51] **Int.Cl. F16K 11/22 (2006.01)**
[25] EN
[54] **3-WAY T-FLOW BALL DRAIN VALVE**
[54] **CLAPET DE VIDAGE A BILLET EN T TRIDIRECTIONNEL**
[72] LYON, LISA, US
[72] TERRY, ANDREW J., US
[72] MASON, CHRISTOPHER W., US
[71] NIBCO INC., US
[22] 2021-03-02
[41] 2022-06-18
[30] US (17/126.272) 2020-12-18

[21] **3,116,748**
[13] A1
[51] **Int.Cl. A61F 17/00 (2006.01) G06Q 10/08 (2012.01) A61B 90/90 (2016.01) A61B 90/96 (2016.01) A61B 90/98 (2016.01) A47B 67/00 (2006.01)**
[25] EN
[54] **CABINET ELECTRONIC REQUISITION SYSTEM**
[54] **SYSTEME DE REQUISITION ELECTRONIQUE D'ARMOIRE**
[72] OLSCHAN, BRIAN S., US
[72] HEALEY, MICHAEL A., US
[71] ACME UNITED CORPORATION, US
[22] 2021-04-28
[41] 2022-06-18
[30] US (17/126,994) 2020-12-18

[21] **3,117,609**
[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61M 16/00 (2006.01) A61M 16/06 (2006.01)**
[25] EN
[54] **SYSTEM AND DEVICE FOR IRRIGATING AND CLEANING NASAL CAVITIES**
[54] **SYSTEME ET DISPOSITIF D'IRRIGATION ET DE NETTOYAGE DES CAVITES NASALES**
[72] MOREAU, DANY, CA
[71] MOREAU, DANY, CA
[22] 2021-05-07
[41] 2022-06-14
[30] GB (2019732.3) 2020-12-14

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[13] A1
[51] **Int.Cl. F01D 5/14 (2006.01) B23P 15/02 (2006.01) B23P 15/04 (2006.01) F01D 5/22 (2006.01) F01D 5/30 (2006.01) F01D 9/02 (2006.01)**
[25] EN
[54] **AIRFOIL HAVING A SPLINE FILLET**
[54] **SURFACE PORTANTE AYANT UN FLANC DE CANNELURE**
[72] LECUYER, DANIEL, CA
[72] PAOLUCCI, MICHAEL, CA
[72] GEMME, FRANCIS, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-05-19
[41] 2022-06-15
[30] US (17/122,517) 2020-12-15

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[13] A1
[51] **Int.Cl. H04L 47/20 (2022.01) H04L 69/22 (2022.01) H04L 9/30 (2006.01)**
[25] EN
[54] **COMMUNICATION SYSTEM AND COMMUNICATION METHOD FOR ONE-WAY TRANSMISSION**
[54] **SYSTEME ET METHODE DE COMMUNICATION POUR UNE TRANSMISSION A SENS UNIQUE**
[72] CHAN, YUAN CHEN, TW
[72] HSU, PO-CHIH, TW
[71] BLACKBEAR (TAIWAN) INDUSTRIAL NETWORKING SECURITY LTD., TW
[22] 2021-06-07
[41] 2022-06-18
[30] US (63/127.154) 2020-12-18
[30] US (17/192.894) 2021-03-05

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[13] A1
[51] **Int.Cl. A41C 3/12 (2006.01) A41C 3/00 (2006.01)**
[25] EN
[54] **BRASSIERE ASSEMBLY**
[54] **ASSEMBLAGE DE SOUTIEN-GORGE**
[72] MOYLAN, SARA MARIE, US
[71] SHEFIT, INC., US
[22] 2021-06-11
[41] 2022-06-15
[30] US (17/122,509) 2020-12-15

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[13] A1
[51] **Int.Cl. C01B 3/24 (2006.01) C01B 3/02 (2006.01) C01B 3/50 (2006.01) C01B 21/02 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING ONE OR MORE PRODUCTS USING A FEEDSTOCK GAS REACTOR**
[54] **METHODES DE PRODUCTION D'UN OU PLUSIEURS PRODUITS AU MOYEN D'UN REACTEUR DE CHARGE D'ALIMENTATION GAZEUSE**
[72] REID, CHRISTOPHER EDWIN JOHN, CA
[72] SCHUBAK, GARY EDWARD, CA
[72] KRATSCHMAR, KENNETH WILLIAM, CA
[72] LEBOE, DAVID AARON, CA
[72] ESQUIVEL, SHAWN DAYUPAY, CA
[72] LI, GUOWEI, CA
[71] EKONA POWER INC., CA
[22] 2021-06-16
[41] 2022-06-15
[30] US (63/125,785) 2020-12-15
[30] US (63/125,794) 2020-12-15

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[13] A1
[51] **Int.Cl. G01V 3/38 (2006.01) G01C 3/08 (2006.01) G01R 33/035 (2006.01)**
[25] EN
[54] **SQUID-BASED ELECTROMAGNETIC DETECTION METHOD FOR INDUCTION-POLARIZATION SYMBIOTIC EFFECT OF TWO-PHASE CODUCTING MEDIUM**
[54] **METHODE DE DETECTION ELECTROMAGNETIQUE A BASE DE SQUID POUR UN EFFET SYMBIOTIQUE D'INDUCTION-POLARISATION D'UN VEHICULE CONDUCTEUR BIPHASE**
[72] JI, YANJV, CN
[72] WU, QIONG, CN
[72] MA, BINYUAN, CN
[72] QIU, SHILIN, CN
[72] HAN, LI, CN
[72] LIN, JUN, CN
[72] LI, DONGSHENG, CN
[72] WANG, YUAN, CN
[71] JILIN UNIVERSITY, CN
[22] 2021-06-21
[41] 2022-06-16
[30] CN (202011484866.6) 2020-12-16
[30] CN (202011489543.6) 2020-12-16

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[13] A1
[51] **Int.Cl. C10G 59/02 (2006.01)**
[25] EN
[54] **METHOD FOR PREPARING NAPHTHA**
[54] **METHODE DE PREPARATION DE NAPHTE**
[72] WANG, GUOWEI, CN
[72] MA, AN, CN
[72] LI, CHUNYI, CN
[72] LIU, JIAXU, CN
[72] LIU, FEI, CN
[72] LI, CHANGMING, CN
[72] LU, QIONG, CN
[72] LI, XIUYI, CN
[71] CHINA UNIVERSITY OF PETROLEUM (EAST CHINA), CN
[71] PETROCHEMICAL RESEARCH INSTITUTE OF CNPC, CN
[71] DALIAN UNIVERSITY OF TECHNOLOGY, CN
[22] 2021-06-21
[41] 2022-06-15
[30] CN (202011478700.3) 2020-12-15

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[13] A1
[51] **Int.Cl. C07C 5/32 (2006.01) B01J 29/04 (2006.01)**
[25] EN
[54] **METHOD FOR AROMATIZATION OF PROPANE AND BUTANE**
[54] **METHODE D'AROMATISATION DU PROPANE ET DU BUTANE**
[72] WANG, GUOWEI, CN
[72] MA, AN, CN
[72] LI, CHUNYI, CN
[72] GUO, HONGCHEN, CN
[72] LIU, FEI, CN
[72] LI, CHANGMING, CN
[72] XIAO, HAI, CN
[72] WANG, MEI, CN
[71] CHINA UNIVERSITY OF PETROLEUM (EAST CHINA), CN
[71] PETROCHEMICAL RESEARCH INSTITUTE OF CNPC, CN
[71] DALIAN UNIVERSITY OF TECHNOLOGY, CN
[22] 2021-06-23
[41] 2022-06-15
[30] CN (202011478719.8) 2020-12-15

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[13] A1
[51] **Int.Cl. E21B 10/26 (2006.01) E21B 10/32 (2006.01)**
[25] EN
[54] **DOWNHOLE ECCENTRIC REAMER TOOL AND RELATED SYSTEMS AND METHODS**
[54] **OUTIL ALESEUR EXCENTRIQUE DE FOND DE TROU ET SYSTEMES ET METHODES CONNEXES**
[72] BAILEY, MICHAEL JAMES, US
[72] JONES, GORDON WAYNE, US
[72] LOCKLEY, JOHN RUSSELL, US
[72] SILVA, ROGER, US
[71] NATIONAL OILWELL VARCO, L.P., US
[22] 2021-06-30
[41] 2022-06-17
[30] US (17/125,786) 2020-12-17

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[13] A1
[51] **Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01)**
[25] EN
[54] **BEARING HOUSING ASSEMBLY**
[54] **ASSEMBLAGE DE LOGEMENT DE PALIER**
[72] MORENKO, OLEG, CA
[72] DHALLA, SANDEEP VISHAL, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-07-07
[41] 2022-06-18
[30] US (17/126, 678) 2020-12-18

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[13] A1
[51] **Int.Cl. A23L 13/60 (2016.01) A23L 7/10 (2016.01) A23L 13/40 (2016.01) A23L 33/10 (2016.01) A23L 33/105 (2016.01) A23P 30/20 (2016.01) A23B 4/044 (2006.01) A23L 2/38 (2021.01)**
[25] EN
[54] **METHOD FOR MAKING HIGH-PROTEIN HEMPSEED-CORN SAUSAGE**
[54] **METHODE DE FABRICATION DE SAUCISSES AU CHENEVIS-MAIS RICHES EN PROTEINES**
[72] GUO, CHUNJING, CN
[72] ZHAO, JINHAI, CN
[72] MU, JING, CN
[72] JIANG, FENG, CN
[72] ZHANG, XIAOCHEN, CN
[72] QU, HENGFENG, CN
[72] LIN, NUZHENG, CN
[72] SHAO, SHUAI, CN
[72] ZHANG, HONGYE, CN
[71] HEILONGJIANG HEIKE TECHNOLOGY CO., LTD., CN
[22] 2021-07-08
[41] 2022-06-17
[30] CN (202011504566.X) 2020-12-17

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[13] A1
[51] **Int.Cl. F02C 7/22 (2006.01) F02C 7/232 (2006.01)**
[25] EN
[54] **GAP FILLER FOR A FUEL SYSTEM GALLERY**
[54] **BOUCHE-TROU DE GALERIE D'ALIMENTATION**
[72] SWABY, NADIA, CA
[72] SREEKANTH, SRI, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-07-08
[41] 2022-06-18
[30] US (17/127,117) 2020-12-18

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[13] A1
[51] **Int.Cl. F16L 41/06 (2006.01) F16L 47/34 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR TAPPING WATER MAINS**
[54] **DISPOSITIF ET METHODE POUR TARAUDER DES CONDUITES MAITRESSES**
[72] NORMAN, JAMIE JERRY, CA
[71] UTILITY SUPPLY CORPORATION, CA
[22] 2021-07-14
[41] 2022-06-17
[30] US (17/124647) 2020-12-17

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[21] **3,126,578**
[13] A1
[51] **Int.Cl. A63B 71/12 (2006.01)**
[25] EN
[54] **HOCKEY-GOALKEEPER PADS**
[54] **EQUIPEMENT DE PROTECTION DE HOCKEY POUR GARDIEN DE BUT**
[72] VAILLANCOURT, CHARLES, CA
[72] LEMOINE, GLEN, CA
[71] BAUER HOCKEY LTD., CA
[22] 2021-07-30
[41] 2022-06-14
[30] US (63/125,134) 2020-12-14

[21] **3,128,603**
[13] A1
[51] **Int.Cl. D21C 3/04 (2006.01)**
[25] EN
[54] **NOVEL APPROACH TO BIOMASS DELIGNIFICATION**
[54] **NOUVELLE APPROCHE DE DELIGNIFICATION DE BIOMASSE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DEWITT, MATTHEW, CA
[72] CORBETT, ANDREW C., CA
[71] SIXRING INC., CA
[22] 2021-08-18
[41] 2022-06-18
[30] CA (3,102,925) 2020-12-18

[21] **3,128,605**
[13] A1
[51] **Int.Cl. D21C 3/04 (2006.01) D21C 9/10 (2006.01)**
[25] EN
[54] **NOVEL APPROACH TO BIOMASS DELIGNIFICATION**
[54] **NOUVELLE APPROCHE DE DELIGNIFICATION DE BIOMASSE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[72] PAGELS, MARKUS, CA
[72] WYNNYK, KYLE G., CA
[72] DEWIT, MATTHEW, CA
[72] CORBETT, ANDREW C., CA
[71] SIXRING INC., CA
[22] 2021-08-18
[41] 2022-06-18
[30] CA (3,102,944) 2020-12-18

[21] **3,129,798**
[13] A1
[51] **Int.Cl. B64C 19/00 (2006.01) B60T 8/171 (2006.01) B60T 17/22 (2006.01) B64C 25/42 (2006.01)**
[25] EN
[54] **METHODS AND BRAKE SYSTEMS TO REDUCE BRAKE WEAR DURING AIRCRAFT TAXIING FIELD**
[54] **METHODES ET SYSTEMES DE FREINS POUR REDUIRE L'USURE DES FREINS PENDANT LA CIRCULATION DE L'AERONEF A LA SURFACE**
[72] MILLER, TRENT DARYL, US
[71] THE BOEING COMPANY, US
[22] 2021-09-02
[41] 2022-06-16
[30] US (63/126,287) 2020-12-16

[21] **3,132,098**
[13] A1
[51] **Int.Cl. A01C 5/06 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01)**
[25] EN
[54] **SEED OPENER HAVING A SINGULATION TUBE INCORPORATED WITHIN**
[54] **RAYONNEUR DE SEMENCES COMPRENANT UN TUBE DE SINGULARISATION INTEGRE**
[72] KOWALCHUK, TREVOR LAWRENCE, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2021-09-27
[41] 2022-06-15
[30] US (17/122,334) 2020-12-15

[21] **3,132,126**
[13] A1
[51] **Int.Cl. E21B 21/10 (2006.01) E21B 21/08 (2006.01) E21B 21/12 (2006.01)**
[25] EN
[54] **VALVE STYLE DRILLING MUD SCREEN SYSTEM AND METHODS THEREOF**
[54] **SYSTEME D'ECRAN A BOUE DE FORAGE DE TYPE SOUPAPE ET METHODES CONNEXES**
[72] COMEAUX, DON A., US
[72] KIBBE, CHARLES G., US
[72] ROBIN, ROSS J., US
[71] BLACK DIAMOND OILFIELD RENTALS LLC, US
[22] 2021-09-22
[41] 2022-06-18
[30] US (17/126,415) 2020-12-18

[21] **3,132,210**
[13] A1
[51] **Int.Cl. H01H 31/10 (2006.01) H01H 3/46 (2006.01) H01H 31/02 (2006.01)**
[25] EN
[54] **UNITIZED THREE PHASE SWITCH WITH A POWER ACTUATED TRANSFORMABLE BASE AND METHOD FOR OPERATION**
[54] **COMMUTATEUR TRIPHASE UNITAIRE AYANT UNE BASE TRANSFORMABLE ACTIONNEE PAR ALIMENTATION ET METHODE D'EXPLOITATION**
[72] KOWALIK, PETER M., US
[71] CLEAVELAND/PRICE INC., US
[22] 2021-09-28
[41] 2022-06-16
[30] US (17462793) 2021-08-31
[30] US (63126136) 2020-12-16

[21] **3,132,244**
[13] A1
[51] **Int.Cl. B60F 1/02 (2006.01)**
[25] EN
[54] **DUAL MODE VEHICLE THAT OPERATES ON BOTH GUIDED RAILS AND UNGUIDED ROADWAYS**
[54] **VEHICULE A DEUX MODES FONCTIONNANT SUR DES RAILS GUIDES ET DES ROUTES NON GUIDEES**
[72] DRAKE, OWEN G., US
[71] DRAKE, OWEN G., US
[22] 2021-09-28
[41] 2022-06-17
[30] US (17125259) 2020-12-17

[21] **3,132,502**
[13] A1
[51] **Int.Cl. B29C 73/06 (2006.01) B29C 73/02 (2006.01) B29C 73/08 (2006.01)**
[25] EN
[54] **TIRE REPAIR KIT SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE TROUSSE DE REPARATION DE PNEU**
[72] JIANG, YONGBO, CN
[71] JIANG, YONGBO, CN
[22] 2021-10-01
[41] 2022-06-15
[30] US (17/122.156) 2020-12-15

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[13] A1
[51] **Int.Cl. B64C 13/34 (2006.01) B64F 5/60 (2017.01) B64C 5/02 (2006.01) B64C 5/16 (2006.01) F16D 7/02 (2006.01) F16D 67/00 (2006.01)**
[25] EN
[54] **TRIM ACTUATORS FOR HORIZONTAL STABILIZERS AND METHODS OF CONTROLLING HORIZONTAL STABILIZERS**
[54] **VERINS DE COMPENSATEUR POUR STABILISATEURS HORIZONTAUX ET METHODES DE COMMANDE DE STABILISATEURS HORIZONTAUX**
[72] ROZEBOOM, AARON M., US
[72] PARKS, MORGAN S., US
[71] THE BOEING COMPANY, US
[22] 2021-10-15
[41] 2022-06-16
[30] US (63/126076) 2020-12-16
[30] US (17/342808) 2021-06-09

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[13] A1
[51] **Int.Cl. G01N 1/38 (2006.01)**
[25] EN
[54] **DEVICE FOR GRAVIMETRIC DILUTION OF A SAMPLE WITH A PREDETERMINED QUANTITY OF LIQUID AND CORRESPONDING METHOD**
[54] **DISPOSITIF POUR LA DILUTION GRAVIMETRIQUE D'UN ECHANTILLON AYANT UNE QUANTITE PREDETERMINEE DE LIQUIDE ET METHODE CORRESPONDANTE**
[72] LE SAUX, PHILIPPE, FR
[71] ALLIANCE BIO EXPERTISE, IT
[22] 2021-10-25
[41] 2022-06-15
[30] FR (FR2013223) 2020-12-15

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[13] A1
[51] **Int.Cl. A01B 73/00 (2006.01) A01B 69/00 (2006.01) B62D 13/00 (2006.01)**
[25] EN
[54] **POSITION DETECTORS FOR STEERING SYSTEMS OF AGRICULTURAL HEADER TRANSPORT SYSTEMS**
[54] **DETECTEURS DE POSITION POUR DES SYSTEMES DE DIRECTION DE SYSTEMES DE TRANSPORT DE TABLIERS AGRICOLES**
[72] VANDEVEN, MICHAEL L., US
[72] BOMLENY, DUANE M., US
[72] CHEN, JIXIN, US
[72] BEALS, ADAM J., US
[72] FITZPATRICK, NICHOLIS R., US
[72] MCCREDIE, PAUL J., US
[72] HOFFMAN, DANIEL S., US
[71] DEERE & COMPANY, US
[22] 2021-11-02
[41] 2022-06-18
[30] US (63/127,749) 2020-12-18
[30] US (17/248,441) 2021-01-25

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[13] A1
[51] **Int.Cl. G08B 5/36 (2006.01) G01P 3/36 (2006.01) G08B 29/00 (2006.01)**
[25] EN
[54] **FACILITY OCCUPANCY DETECTION WITH THERMAL GRID SENSOR**
[54] **DETECTION DE L'OCCUPATION D'UNE INSTALLATION AU MOYEN D'UN DETECTEUR RESEAU THERMIQUE**
[72] FEIL, BRANDON, US
[72] WILCOX, ANTHONY G., US
[72] CHAKRABORTY, ARINDAM, US
[72] TRICKLE, GLEN, US
[72] MCLEAN, JAMES, GB
[72] MARSHALL, SEBASTIAN, GB
[72] JOHNSTON, PAUL, GB
[71] ZURN INDUSTRIES, LLC, US
[71] WHIFFAWAY LTD, GB
[22] 2021-11-01
[41] 2022-06-14
[30] US (17/121,487) 2020-12-14

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[13] A1
[51] **Int.Cl. H04L 67/02 (2022.01) H04L 9/40 (2022.01)**
[25] EN
[54] **HIDDEN LINE PROPERTY OF ONLINE CONTENT TO INHIBIT BOT ACTIVITY**
[54] **CARACTERISTIQUE DE LIGNE CACHEE DU CONTENU EN LIGNE POUR ATTENUER L'ACTIVITE DES ROBOTS**
[72] HO, DENNIS, CA
[71] SHOPIFY INC., CA
[22] 2021-11-04
[41] 2022-06-18
[30] US (17/127799) 2020-12-18

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[13] A1
[51] **Int.Cl. A61B 17/00 (2006.01)**
[25] EN
[54] **HANDLE ASSEMBLIES FOR HAND-HELD SURGICAL INSTRUMENTS**
[54] **ASSEMBLAGES DE POIGNEE POUR DES INSTRUMENTS CHIRURGICAUX MANUELS**
[72] NICHOLAS, DAVID A., US
[71] COVIDIEN LP, US
[22] 2021-11-04
[41] 2022-06-15
[30] US (17/121,843) 2020-12-15

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[13] A1
[51] **Int.Cl. F21V 17/00 (2006.01) B25B 27/00 (2006.01) F21V 3/00 (2015.01)**
[25] EN
[54] **LIGHT COVER AND INSTALLATION TOOL AND METHOD**
[54] **COUVERCLE A LUMIERE ET OUTIL ET METHODE D'INSTALLATION**
[72] REED, EDWARD, CA
[71] REED, EDWARD, CA
[22] 2021-11-05
[41] 2022-06-14
[30] US (63/125,252) 2020-12-14

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[13] A1
[51] **Int.Cl. B60W 30/18 (2012.01) B60W 30/095 (2012.01) B60K 31/02 (2006.01)**
[25] EN
[54] **ENGINE-TYPE INDUSTRIAL VEHICLE**
[54] **VEHICULE INDUSTRIEL DE TYPE MOTEUR**
[72] KUBOTANI, TAKEHIRO, JP
[71] KABUSHIKI KAISHA TOYOTA JIDOSHOKKI, JP
[22] 2021-11-08
[41] 2022-06-14
[30] JP (2020-207054) 2020-12-14

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[13] A1
[51] **Int.Cl. B64C 27/78 (2006.01) B64C 11/32 (2006.01) B64C 13/28 (2006.01) B64C 27/82 (2006.01) F16D 9/06 (2006.01) G05G 7/12 (2006.01)**
[25] EN
[54] **TAIL ROTOR ACTUATOR JOINT**
[54] **JOINT D'ACTIONNEUR DE ROTOR DE QUEUE**
[72] MOLINELLI, DARIO, IT
[72] RESTUCCIA, MICHELE, IT
[72] MAINO, FRANCO, IT
[71] MICROTECNICA S.R.L., IT
[22] 2021-11-08
[41] 2022-06-18
[30] EP (20215761.6) 2020-12-18

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[13] A1
[51] **Int.Cl. G01C 25/00 (2006.01) B60W 60/00 (2020.01) G01S 7/497 (2006.01) G03B 43/00 (2021.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CALIBRATING SENSORS OF AUTONOMOUS VEHICLES**
[54] **SYSTEMES ET METHODES D'ETALONNAGE DES CAPTEURS DE VEHICULES AUTONOMES**
[72] BARABAS, JAMES, CA
[72] GUPTA, ARPIT, CA
[71] 6 RIVER SYSTEMS, LLC, US
[22] 2021-11-09
[41] 2022-06-17
[30] US (17/125,383) 2020-12-17
[30] EP (21178657.9) 2021-06-09

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[13] A1
[51] **Int.Cl. G07C 9/29 (2020.01) G07C 9/22 (2020.01)**
[25] EN
[54] **ENHANCED AUTHORIZATION TO ACCESS TRANSPORTATION HUB SERVICES**
[54] **AUTORISATION AMELIOREE POUR ACCEDER AUX SERVICES DE CENTRE DE TRANSPORT**
[72] JOHNSON, MATTHEW, US
[72] PANIC, DALIBOR, IE
[72] FLOOD, GORDON, IE
[72] AHERN, JAMES, IE
[72] PATEFIELD-SMITH, MARTIN, GB
[71] DAON ENTERPRISES LIMITED, MT
[22] 2021-11-10
[41] 2022-06-15
[30] US (17/122,179) 2020-12-15

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[13] A1
[51] **Int.Cl. E02F 9/00 (2006.01) B60D 1/64 (2006.01) F16L 41/00 (2006.01)**
[25] EN
[54] **MULTI-COUPLER AND COVER THEREOF**
[54] **MULTICOUPLEUR ET COUVERCLE CONNEXE**
[72] MUSSACK, JEFFERY, US
[72] HOCHSTATTER, JEFFREY, US
[72] SWANSON, JOHN J., US
[71] DEERE & COMPANY, US
[22] 2021-11-10
[41] 2022-06-18
[30] US (17/127,546) 2020-12-18

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[21] **3,138,751**
[13] A1
[51] **Int.Cl. H04W 12/55 (2021.01)**
[25] FR
[54] **MULTIPOINT PAIRING PROCESS FOR PAIRING SEVERAL STATIONS TO A WIRELESS ACCESS POINT**
[54] **PROCEDE D'APPAIRAGE MULTIPLE POUR APPAIRER PLUSIEURS STATIONS A UN POINT D'ACCES SANS-FIL**
[72] LE ROUX, SYLVAIN, FR
[71] SAGEMCOM BROADBAND SAS, FR
[22] 2021-11-12
[41] 2022-06-14
[30] FR (FR2013133) 2020-12-14

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[13] A1
[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 10/08 (2012.01)**
[25] EN
[54] **TERMINAL SITE OPTIMIZATION TOOL**
[54] **OUTIL D'OPTIMISATION DE SITE DE TERMINAL**
[72] GALASON, RONALD F., US
[71] R & L CARRIERS, INC., US
[22] 2021-11-12
[41] 2022-06-15
[30] US (17/122454) 2020-12-15

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[13] A1
[51] **Int.Cl. B64D 45/00 (2006.01) B64C 25/00 (2006.01) B64F 5/00 (2017.01)**
[25] EN
[54] **HARD-LANDING DETECTION SYSTEM**
[54] **SYSTEME DE DETECTION D'ATTERRISSAGE DUR**
[72] FAZELI, AMIR, CA
[72] KIELSTRA, EBENEZER, CA
[72] CEPIC, ADNAN, CA
[71] GOODRICH CORPORATION, US
[22] 2021-11-12
[41] 2022-06-18
[30] US (17/127,348) 2020-12-18

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[25] EN
[54] **SHOCK STRUT ASSEMBLIES FOR LANDING GEAR**
[54] **ASSEMBLAGES DE JAMBES AMORTISSEUSES POUR UN TRAIN D'ATTERRISSAGE**
[72] FAZELI, AMIR, CA
[72] REBER, SUSANNE M., US
[71] GOODRICH CORPORATION, US
[22] 2021-11-12
[41] 2022-06-16
[30] US (17/124,266) 2020-12-16

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[13] A1
[51] **Int.Cl. F21V 31/00 (2006.01) F21S 4/20 (2016.01) F21S 4/26 (2016.01)**
[25] EN
[54] **WATERTIGHT LED ARRANGEMENT**
[54] **DISPOSITIF A DEL ETANCHE**
[72] SCHLUTER, WERNER, DE
[71] SCHLUTER SYSTEMS (CANADA) INC., CA
[22] 2021-11-17
[41] 2022-06-18
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[51] **Int.Cl. B25B 13/50 (2006.01) B25B 13/16 (2006.01) B25B 13/48 (2006.01)**
[25] EN
[54] **COMBINATION PIPE AND SPUD WRENCH**
[54] **CLE A TUBE ET A DOUILLE COMBINEE**
[72] GERROW, ROBERT, CA
[71] GERROW, ROBERT, CA
[22] 2021-11-22
[41] 2022-06-15
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[51] **Int.Cl. H04L 41/0894 (2022.01) H04L 9/40 (2022.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR CONTEXT AWARE CYBERSECURITY**
[54] **SYSTEMES ET METHODES DE CYBERSECURITE TENANT COMPTE DU CONTEXTE**
[72] SULLIVAN, SCOTT CHARLES, US
[72] SACKMAN, RONALD WARD, US
[72] NOBAKHT, RAMIN, US
[71] THE BOEING COMPANY, US
[22] 2021-11-18
[41] 2022-06-18
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[25] EN
[54] **SYSTEMS AND METHODS FOR REAL-TIME NETWORK TRAFFIC ANALYSIS**
[54] **SYSTEME ET PROCEDE D'ANALYSE DU TRAFIC RESEAU EN TEMPS REEL**
[72] NOBAKHT, RAMIN, US
[72] SACKMAN, RONALD WARD, US
[72] SULLIVAN, SCOTT CHARLES, US
[71] THE BOEING COMPANY, US
[22] 2021-11-19
[41] 2022-06-18
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[25] EN
[54] **SYSTEMS AND METHODS FOR TRANSLATING TRANSACTION DESCRIPTIONS**
[54] **SYSTEMES ET METHODES DE TRADUCTION DE DESCRIPTIONS DE TRANSACTION**
[72] OLSEN, SARAH, US
[72] PAI, ADITYA, US
[72] ELDER, BRICE, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2021-11-24
[41] 2022-06-18
[30] US (17/126,672) 2020-12-18

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[25] EN
[54] **SOLAR-POWERED AIR DELIVERY SYSTEM FOR WELDER'S MASK**
[54] **SYSTEME DE DISTRIBUTION D'AIR A ALIMENTATION SOLAIRE POUR UN MASQUE DE SOUDEUR**
[72] SMIT, DANE, CA
[71] SMIT, DANE, CA
[22] 2021-11-24
[41] 2022-06-14
[30] US (17/487,588) 2021-09-28
[30] US (63/125,083) 2020-12-14

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[25] EN
[54] **STRUCTURAL INCONSISTENCY DETECTION USING DISTANCE DATA**
[54] **DETECTION DES INCONSISTANCES STRUCTURALES AU MOYEN DES DONNEES SUR LA DISTANCE**
[72] ERDIM, HUSEYIN, US
[72] ORTIZ, ALEJANDRO ALBERTO, US
[72] DRUMHELLER, MICHAEL, US
[72] WALKER, ERIC JAMES, US
[71] THE BOEING COMPANY, US
[22] 2021-11-24
[41] 2022-06-17
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[25] EN
[54] **SATELLITE THERMAL ENCLOSURE**
[54] **ENCEINTE THERMIQUE DE SATELLITE**
[72] ASTON, RICHARD W., US
[72] WOODS, EMILY COLLEEN, US
[72] ZILZ, RACHEL ELIZABETH, US
[72] LANGMACK, MICHAEL JOHN, US
[72] HASTINGS, NICOLE MARIE, US
[71] THE BOEING COMPANY, US
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[51] **Int.Cl. B64G 1/10 (2006.01) B64G 1/22 (2006.01) B64G 1/64 (2006.01)**
[25] EN
[54] **STACKED SATELLITE ASSEMBLIES AND RELATED METHODS**
[54] **ASSEMBLAGES DE SATELLITES EMPILES ET METHODES CONNEXES**
[72] ASTON, RICHARD W., US
[72] WOODS, EMILY COLLEEN, US
[72] ZILZ, RACHEL ELIZABETH, US
[72] LANGMACK, MICHAEL JOHN, US
[72] HASTINGS, NICOLE MARIE, US
[71] THE BOEING COMPANY, US
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[21] **3,140,500**
[13] A1
[25] EN
[54] **METHODS AND SYSTEMS FOR DEFINING MISSION PROFILES FOR A NEW ENGINE**
[54] **METHODES ET SYSTEMES POUR DEFINIR DES PROFILS DE MISSION D'UN NOUVEAU MOTEUR**
[72] SMITH, FABRIZIO, CA
[72] DE ANTONI, ANDREA, CA
[72] BANERJEE, AVISEKH, CA
[72] RUCCO, MATTEO, CA
[72] SURANA, AMIT, CA
[72] ZHU, HONGYU, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-11-25
[41] 2022-06-18
[30] US (17/126,147) 2020-12-18

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[13] A1
[51] **Int.Cl. B66C 13/22 (2006.01) B66C 11/16 (2006.01) B66C 13/06 (2006.01) B66D 1/48 (2006.01)**
[25] EN
[54] **METHOD TO OPTIMIZE AN ANTI-SWAY FUNCTION**
[54] **METHODE D'OPTIMISATION D'UNE FONCTION STABILISATRICE**
[72] BLONDEL, CHARLES, FR
[72] BODIN, YANNICK, FR
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[22] 2021-11-26
[41] 2022-06-15
[30] EP (20306565.1) 2020-12-15

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[13] A1
[51] **Int.Cl. F02D 19/06 (2006.01) F02D 41/00 (2006.01) F02D 41/24 (2006.01) F02D 41/26 (2006.01) F02D 41/28 (2006.01) F02D 41/30 (2006.01)**
[25] EN
[54] **ADAPTIVE FUEL CONTROL MODULE**
[54] **MODULE DE COMMANDE DE CARBURANT ADAPTATIF**
[72] TRUAX, RYAN, US
[71] ADVANCED FUEL DYNAMICS, INC., US
[22] 2021-11-29
[41] 2022-06-15
[30] US (17/122,194) 2020-12-15

[21] **3,140,656**
[13] A1
[51] **Int.Cl. B60K 35/00 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM**
[54] **SYSTEMES DE SURVEILLANCE**
[72] OSWALD, JIM, US
[72] GAWNE, KENDRICK, US
[72] BURGART, PHILLIP, US
[71] WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION, US
[22] 2021-11-29
[41] 2022-06-16
[30] US (63/126,192) 2020-12-16
[30] US (17/534,169) 2021-11-23

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[13] A1
[51] **Int.Cl. F04D 29/44 (2006.01) F01D 9/02 (2006.01) F02C 3/04 (2006.01) F02C 3/08 (2006.01)**
[25] EN
[54] **COMPRESSOR DIFFUSER AND DIFFUSER PIPES THEREFOR**
[54] **DIFFUSEUR DE COMPRESSEUR ET CONDUITES DE DIFFUSEUR CONNEXES**
[72] DUONG, HIEN, CA
[72] NICHOLS, JASON, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-11-30
[41] 2022-06-17
[30] US (17/124,574) 2020-12-17

[21] **3,140,797**
[13] A1
[51] **Int.Cl. F01D 25/16 (2006.01) F01D 25/30 (2006.01) F02C 7/06 (2006.01) F02C 7/28 (2006.01)**
[25] EN
[54] **BEARING HOUSING WITH SLIP JOINT**
[54] **LOGEMENT DE PALIER AVEC JOINT COULISSANT**
[72] LEFEBVRE, GUY, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-11-30
[41] 2022-06-17
[30] US (17/125,147) 2020-12-17

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[13] A1
[51] **Int.Cl. F16C 35/04 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/06 (2006.01) F16C 33/66 (2006.01) F16N 1/00 (2006.01)**
[25] EN
[54] **BEARING HOUSING AND METHOD OF MAKING**
[54] **LOGEMENT DE PALIER ET METHODE DE FABRICATION**
[72] MORENKO, OLEG, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-11-30
[41] 2022-06-16
[30] US (17/123,278) 2020-12-16

[21] **3,140,819**
[13] A1
[25] EN
[54] **ELEMENT FOR COMPRESSING OR EXPANDING A GAS AND METHOD FOR CONTROLLING SUCH ELEMENT**
[54] **ELEMENT POUR COMPRIMER OU DETENDRE UN GAZ ET UNE METHODE DE CONTROLE D'UN TEL ELEMENT**
[72] KEMPEN, KAROLIEN, BE
[72] VERRELST, BJORN, BE
[72] ERNENS, PHILIPPE, BE
[72] CEULEMANS, WOUTER, BE
[72] DE GREEF, GUY, BE
[72] FETTWEIS, FLORIAN, BE
[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[22] 2021-12-01
[41] 2022-06-16
[30] BE (BE2020/5940) 2020-12-16

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[13] A1
[51] **Int.Cl. H04B 10/564 (2013.01)**
[25] FR
[54] **PROCESS AND DEVICE FOR EMITTING AVERAGE-POWER OPTICAL SIGNALS ADAPTED TO TEMPERATURE AND AGING; CORRESPONDING COMPUTER PROGRAM AND PROGRAM SUPPORT**
[54] **PROCEDE ET DISPOSITIF DE TRANSMISSION DE SIGNAUX OPTIQUES A PUISSANCE MOYENNE ADAPTEE A LA TEMPERATURE ET AU VIEILLISSEMENT, PROGRAMME INFORMATIQUE ET SUPPORT DE PROGRAMME CORRESPONDANTS**
[72] JAULIN, JEAN-PHILIPPE, FR
[71] SAGEMCOM BROADBAND SAS, FR
[22] 2021-12-03
[41] 2022-06-18
[30] FR (2013734) 2020-12-18

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[13] A1
[51] **Int.Cl. G06F 7/58 (2006.01) G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR RESILIENT DISTRIBUTION OF RANDOM NUMBERS**
[54] **SYSTEMES ET METHODES DE DISTRIBUTION RESILIENTE DE NOMBRES ALEATOIRES**
[72] HARPUR, RORY ANGUS, ZA
[72] WORTMANN, JOHNATHAN BRUCE, ZA
[71] FUSION HOLDINGS LIMITED, IM
[22] 2021-12-03
[41] 2022-06-17
[30] GB (2020046.5) 2020-12-17

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[13] A1
[51] **Int.Cl. G06N 20/00 (2019.01)**
[25] EN
[54] **INTERACTIVE DIGITAL DASHBOARDS FOR TRAINED MACHINE LEARNING OR ARTIFICIAL INTELLIGENCE PROCESSES**
[54] **TABLEAUX DE BORD NUMERIQUES INTERACTIFS POUR LES PROCEDES D'APPRENTISSAGE AUTOMATIQUE OU D'INTELLIGENCE ARTIFICIELLE ENTRAINES**
[72] DAVOODI, FATEMEH GHIYAFEH, CA
[72] HAJARIAN, ELHAM, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-12-06
[41] 2022-06-16
[30] US (17/542,178) 2021-12-03
[30] US (63/126,392) 2020-12-16

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[13] A1
[51] **Int.Cl. H02P 3/08 (2006.01) B25F 5/00 (2006.01) B25B 13/46 (2006.01)**
[25] EN
[54] **METHOD OF BRAKING A POWER TOOL**
[54] **METHODE DE FREINAGE D'UN OUTIL ELECTRIQUE**
[72] RAJZER, MICHAEL, US
[72] GENZ, JASON, US
[71] SNAP-ON INCORPORATED, US
[22] 2021-12-07
[41] 2022-06-15
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[13] A1
[51] **Int.Cl. H04W 4/12 (2009.01)**
[25] EN
[54] **MESSAGE BROADCASTING BASED ON TRUST LEVELS AND RESOURCE LIMITATIONS IN A MESH NETWORK**
[54] **DIFFUSION DE MESSAGE FONDEE SUR LES DEGRES DE CONFIANCE ET LES LIMITES DE RESSOURCES DANS UN RESEAU MAILLE**
[72] SINGH, KALVINDER PAL, US
[72] JOHNSON, DARIN BYRON, US
[72] KISS, ZOLTAN PETER, US
[71] ITRON, INC., US
[22] 2021-12-08
[41] 2022-06-17
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[51] **Int.Cl. C11D 7/60 (2006.01) C11D 7/24 (2006.01) C11D 7/26 (2006.01) C11D 11/00 (2006.01)**
[25] EN
[54] **CRACKLING HAND SANITIZER FORMULATIONS AND ASSOCIATED METHODS**
[54] **FORMULATIONS DE DESINFECTANT POUR LES MAINS CREPITANTES ET METHODES CONNEXES**
[72] PATEL, NIRALI, US
[72] JEUNEN, CARLO, BE
[71] RUBBERMAID COMMERCIAL PRODUCTS LLC, US
[22] 2021-12-09
[41] 2022-06-14
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[51] **Int.Cl. H04B 17/391 (2015.01) B61K 9/10 (2006.01) B61L 25/02 (2006.01) H04L 43/0817 (2022.01) H04L 43/0823 (2022.01) H04B 13/00 (2006.01)**
[25] EN
[54] **METHOD, SYSTEM, COMPUTER-READABLE MEDIUM COMPRISING SOFTWARE CODE FOR ESTIMATING PARAMTERS OF RAILWAY TRACK CIRCUITS, AND RELATED TRACK CIRCUIT**
[54] **METHODE, SYSTEME, SUPPORT LISIBLE PAR ORDINATEUR CONTENANT LE CODE LOGICIEL POUR ESTIMER LES PARAMETRES DE CIRCUITS DE VOIES FERREES ET CIRCUITS DE VOIES CONNEXES**
[72] ROSS, JOHN, US
[72] FRIES, JEFFREY, US
[71] ALSTOM TRANSPORT TECHNOLOGIES, FR
[22] 2021-12-09
[41] 2022-06-15
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[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) H04L 67/2869 (2022.01) H04L 67/02 (2022.01)**
[25] EN
[54] **REAL-TIME PROVISIONING OF TARGETED DIGITAL CONTENT BASED ON DECOMPOSED STRUCTURED MESSAGING DATA**
[54] **APPROVISIONNEMENT EN TEMPS REEL DE CONTENU NUMERIQUE CIBLE EN FONCTION DE DONNEES DE MESSAGES STRUCTUREES DECOMPOSEES**
[72] JONES, CHRISTOPHER MARK, CA
[72] BAIRD, BARRY WAYNE, JR., CA
[72] LAWRENCE, CLAUDE BERNELL, JR., CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[71] THE TORONTO-DOMINION BANK, CA
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[41] 2022-06-17
[30] US (17/546,376) 2021-12-09
[30] US (63/126,885) 2020-12-17

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[13] A1
[51] **Int.Cl. B64C 13/12 (2006.01) G05D 1/10 (2006.01)**
[25] FR
[54] **DEVICE AND ASSOCIATED PROCESS FOR PILOTING AN AIRCRAFT**
[54] **DISPOSITIF DE PILOTAGE D'UN AERONEF ET PROCEDE ASSOCIE**
[72] LE BORLOCH, JEROME, FR
[71] DASSAULT AVIATION, FR
[22] 2021-12-08
[41] 2022-06-15
[30] FR (2013253) 2020-12-15

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[13] A1
[51] **Int.Cl. A22B 3/08 (2006.01) A22C 21/00 (2006.01)**
[25] EN
[54] **A SLAUGHTER DEVICE, A SLAUGHTER INSTALLATION AND A METHOD THEREOF**
[54] **DISPOSITIF D'ABATAGE, INSTALLATION D'ABATAGE ET METHODE CONNEXE**
[72] VAN SPALL, JOY DAVID MIKE, NL
[72] SOULI, RAMZI, NL
[72] PEDDEMORS, ALLARDUS KLAAS, NL
[72] KOOIJ, SIMON, NL
[71] MEYN FOOD PROCESSING TECHNOLOGY B.V., NL
[22] 2021-12-09
[41] 2022-06-18
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[13] A1
[51] **Int.Cl. B64C 13/12 (2006.01) G05D 1/10 (2006.01)**
[25] FR
[54] **DEVICE AND ASSOCIATED PROCESS FOR PILOTING AN AIRCRAFT**
[54] **DISPOSITIF DE PILOTAGE D'UN AERONEF ET PROCEDE ASSOCIE**
[72] COCKENPOT, FABIEN, FR
[72] PINEAU, FRANCOIS, FR
[72] LE BORLOCH, JEROME, FR
[71] DASSAULT AVIATION, FR
[22] 2021-12-08
[41] 2022-06-15
[30] FR (FR 20 13258) 2020-12-15

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[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **REAL-TIME PROVISIONING OF TARGETED, ALTERNATIVE PRODUCT INFORMATION BASED ON STRUCTURED MESSAGING DATA**
[54] **APPROVISIONNEMENT EN TEMPS REEL DE RENSEIGNEMENTS DE PRODUITS ALTERNATIFS CIBLES EN FONCTION DE DONNEES DE MESSAGES STRUCTUREES**
[72] JONES, CHRISTOPHER MARK, CA
[72] BAIRD, BARRY WAYNE, JR, CA
[72] LAWRENCE, CLAUDE BERNELL, JR, CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-12-10
[41] 2022-06-17
[30] US (17/546,422) 2021-12-09
[30] US (63/126,698) 2020-12-17

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[13] A1
[51] **Int.Cl. G01L 17/00 (2006.01) B60C 23/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR EVALUATION OF TIRE PRESSURE**
[54] **SYSTEME ET METHODE D'EVALUATION DE LA PRESSION DE PNEU**
[72] COLLIN, PIERRE JULES A., BE
[72] GANGULY, ABHIJIT, US
[72] PIETSCH, ANDREAS MICHALE THOMAS, DE
[72] BUSSMAN, STEFAN, DE
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US
[22] 2021-12-10
[41] 2022-06-15
[30] US (17/122134) 2020-12-15

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[13] A1
[51] **Int.Cl. G01L 27/00 (2006.01) G01L 17/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TEMPERATURE COMPENSATION OF DRIVE OVER READER PRESSURE MEASUREMENT**
[54] **SYSTEME ET METHODE DE COMPENSATION THERMIQUE D'UNE MESURE DE PRESSION D'UN LECTEUR DE PARALLELISME**
[72] COLLIN, PIERRE JULES A., BE
[72] GANGULY, ABHIJIT, US
[72] PIETSCH, ANDREAS MICHALE THOMAS, DE
[72] BUSSMAN, STEFAN, DE
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US
[22] 2021-12-10
[41] 2022-06-15
[30] US (17/122191) 2020-12-15

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[13] A1
[51] **Int.Cl. B60C 11/16 (2006.01)**
[25] EN
[54] **STUDDED TIRE**
[54] **PNEU CLOUTE**
[72] PONS, FREDERIC MICHEL-JEAN, FR
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US
[22] 2021-12-10
[41] 2022-06-16
[30] US (63/126118) 2020-12-16

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[13] A1
[51] **Int.Cl. C08F 220/12 (2006.01) C08F 210/14 (2006.01) C10M 107/28 (2006.01) C10M 145/14 (2006.01)**
[25] EN
[54] **ACRYLATE-OLEFIN COPOLYMERS AS HIGH VISCOSITY BASE FLUIDS**
[54] **COPOLYMERES D'ACRYLATE-OLEFINE COMME FLUIDES DE BASE DE GRANDE VISCOSITE**
[72] MAIER, STEFAN KARL, DE
[72] JANSSEN, DIETER, DE
[72] ZIEGLER, FABIAN, DE
[72] SCHOLLER, KATRIN, DE
[72] HILF, STEFAN, DE
[71] EVONIK OPERATIONS GMBH, DE
[22] 2021-12-10
[41] 2022-06-18
[30] EP (EP20215450) 2020-12-18

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[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (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] **TOMATO VARIETY NUN 09282 TOF**
[54] **TOMATE DE VARIETE NUN 09282 TOF**
[72] SILVERTAND, BEN, NL
[71] NUNHEMS B.V., NL
[22] 2021-12-10
[41] 2022-06-14
[30] US (63/125,242) 2020-12-14

[21] **3,141,884**
[13] A1
[51] **Int.Cl. E21B 43/22 (2006.01) E21B 43/24 (2006.01)**
[25] EN
[54] **METHODS OF HYDROCARBON PRODUCTION ENHANCED BY IN-SITU SOLVENT DE-ASPHALTING**
[54] **METHODES DE PRODUCTION D'HYDROCARBURES AMELIOREES PAR LE DESASPHALTAGE AU SOLVANT SUR PLACE**
[72] AZOM, PRINCE, CA
[72] BEN-ZVI, AMOS, CA
[71] CENOVUS ENERGY INC., CA
[22] 2021-12-10
[41] 2022-06-16
[30] US (63/126,177) 2020-12-16

[21] **3,141,930**
[13] A1
[51] **Int.Cl. E02F 3/815 (2006.01)**
[25] EN
[54] **LAND LEVELER IMPLEMENT WITH BOTTOM-FINNED WORKING BLADE**
[54] **APPAREIL DE NIVELAGE DE TERRAIN COMPRENANT UNE LAME DE TRAVAIL A AILETTES INFERIEURES**
[72] SAWATSKY, ASHLEY, CA
[71] SAWATSKY, ASHLEY, CA
[22] 2021-12-13
[41] 2022-06-18
[30] US (17/126,846) 2020-12-18

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[13] A1
[51] **Int.Cl. B27B 27/00 (2006.01) B27B 7/04 (2006.01) B27B 27/02 (2006.01)**
[25] EN
[54] **LUBRICANT FLOW CONTROL MANAGEMENT FOR SAW GUIDES**
[54] **GESTION DU CONTROLE DE FLUX DE LUBRIFIANT POUR GUIDE-LAMES**
[72] VOGT, NALYND, CA
[72] BERGEN, CARRICK, CA
[72] PACHOLKO, NATHAN, CA
[71] PRECISION GUIDE MACHINERY AND REPAIR LIMITED, CA
[22] 2021-12-13
[41] 2022-06-14
[30] US (63/125,051) 2020-12-14

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[13] A1
[51] **Int.Cl. H04W 16/22 (2009.01) H04W 36/30 (2009.01) H04W 72/08 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR 5G MOBILE NETWORK MANAGEMENT**
[54] **SYSTEME ET PROCEDE DE GESTION D'UN RESEAU MOBILE 5G**
[72] OSMAN, ALEXANDER, CA
[72] SRIDHAR, KAMAKSHI, US
[72] SAYERS, TY, CA
[72] QUAN, JORGE, CA
[72] NESARGIKAR, RAJANI, IN
[72] SIDDALINGAIAH, GANGARAJU K., IN
[71] SANDVINE CORPORATION, CA
[22] 2021-12-13
[41] 2022-06-14
[30] US (63/125,140) 2020-12-14
[30] EP (21214175.8) 2021-12-13

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[13] A1
[51] **Int.Cl. E04D 1/36 (2006.01) E04D 1/12 (2006.01) E04D 1/30 (2006.01)**
[25] EN
[54] **ROOFING SHINGLES WITH SEALANT PRESSURE RELIEF CHANNEL**
[54] **BARDEAUX DE TOIT COMPORTANT UN CANAL D'ALLEGEMENT DE LA PRESSION DU PRODUIT D'ETANCHEITE**
[72] LEITCH, OLAN T., US
[71] BMIC, LLC, US
[22] 2021-12-14
[41] 2022-06-14
[30] US (63/125,158) 2020-12-14
[30] US (17/548,621) 2021-12-13

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[13] A1
[51] **Int.Cl. B23K 9/095 (2006.01) A61F 9/06 (2006.01) B23K 9/32 (2006.01) B23K 37/00 (2006.01)**
[25] EN
[54] **SMART WELDING HELMETS WITH ARC TIME TRACKING VERIFICATION AND LENS MAINTENANCE DETECTION**
[54] **MASQUES DE SOUDEUR INTELLIGENTS COMPRENANT LA VERIFICATION DU SUIVI DE TEMPS DE SOUDAGE A L'ARC ET LA DETECTION D'ENTRETIEN DE LENTILLE**
[72] BECKER, WILLIAM JOSHUA, US
[72] RAPPL, JAMES FRANCIS, US
[71] ILLINOIS TOOL WORKS INC., US
[22] 2021-12-12
[41] 2022-06-14
[30] US (63/125,097) 2020-12-14
[30] US (17/539,617) 2021-12-01

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[13] A1
[51] **Int.Cl. B65G 7/02 (2006.01) B62B 1/14 (2006.01)**
[25] EN
[54] **PLYWOOD PANEL LIFT**
[54] **MECANISME POUR LEVER UN REVETEMENT EN CONTREPLAQUE**
[72] MEEKS, EDDIE ALEXANDER, US
[71] JORDAN, ROBERT B. IV, US
[71] MEEKS, EDDIE ALEXANDER, US
[22] 2021-12-13
[41] 2022-06-18
[30] US (63/127,243) 2020-12-18
[30] US (17/545,081) 2021-12-08

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[13] A1
[25] EN
[54] **HYDROGEN FUELING STATION WITH INTEGRATED AMMONIA CRACKING UNIT**
[54] **POSTE DE REMPLISSAGE EN HYDROGENE COMPRENANT UN APPAREIL INTEGRE DE CRAQUAGE DE L'AMMONIAC**
[72] COHEN, JOSEPH P., US
[72] KOTHARE, SIMONE L., US
[72] KYVELOS, ANTHONY R., US
[71] AIR PRODUCTS AND CHEMICALS, INC., US
[22] 2021-12-13
[41] 2022-06-17
[30] US (17/124,594) 2020-12-17

[21] **3,142,039**
[13] A1
[51] **Int.Cl. G06F 21/32 (2013.01)**
[25] EN
[54] **BIOMETRIC OVERRIDE FOR INCORRECT FAILED AUTHORIZATION**
[54] **PRIORITE BIOMETRIQUE POUR UNE AUTORISATION INCORRECTE ECHOUEE**
[72] PAI, ADITYA, US
[72] ELDER, BRICE, US
[72] MURAKAMI, JULIE, US
[72] FENICHEL, ALLISON, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2021-12-13
[41] 2022-06-16
[30] US (17/247572) 2020-12-16

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[13] A1
[51] **Int.Cl. H04L 69/04 (2022.01) H04N 19/115 (2014.01) H04N 19/146 (2014.01) H04N 19/172 (2014.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IMPROVED CONTENT ENCODING**
[54] **METHODES ET SYSTEMES POUR LE CODAGE DE CONTENU AMELIORE**
[72] GILADI, ALEXANDER, US
[72] GROIS, DAN, IL
[72] SYED, YASSER, US
[72] BEGEN, ALI, US
[71] COMCAST CABLE COMMUNICATIONS, LLC, US
[22] 2021-12-13
[41] 2022-06-14
[30] US (63/125,166) 2020-12-14

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[13] A1
[51] **Int.Cl. A47G 23/02 (2006.01) A47J 45/10 (2006.01) B31C 7/02 (2006.01) B65D 5/04 (2006.01) B65D 5/42 (2006.01) B65D 81/38 (2006.01)**
[25] EN
[54] **UNITARY BLANK FOR FORMING A CUP SLEEVE**
[54] **DECOUPE UNITAIRE POUR FORMER UN MANCHON DE TASSE**
[72] LEARN, ANGELA E., US
[71] PACTIV LLC, US
[22] 2021-12-14
[41] 2022-06-15
[30] US (17/122,472) 2020-12-15

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[13] A1
[51] **Int.Cl. C04B 26/26 (2006.01) B28C 5/00 (2006.01) C04B 14/00 (2006.01) C04B 24/26 (2006.01)**
[25] EN
[54] **VOID REDUCING ASPHALT MEMBRANE EMULSION**
[54] **EMULSION DE MEMBRANE ASPHALTIQUE POUR REDUIRE LE VIDE**
[72] CANCIO, BRIAN, US
[72] SEYBERT, ASHLEY, US
[72] GREENAWALT, LUCAS, US
[71] RUSSELL STANDARD CORP., US
[22] 2021-12-14
[41] 2022-06-15
[30] US (63/125,437) 2020-12-15

[21] **3,142,131**
[13] A1
[51] **Int.Cl. G06F 17/10 (2006.01) G06F 17/18 (2006.01)**
[25] EN
[54] **COMPLEX ADAPTIVE SYSTEMS METROLOGY BY COMPUTATION METHODS AND SYSTEMS**
[54] **METROLOGIE DE SYSTEMES ADAPTATIFS COMPLEXES AU MOYEN DE METHODES ET DE SYSTEMES DE CALCUL**
[72] BAGNE, CURTIS A., US
[71] BAGNE-MILLER ENTERPRISES, INC., US
[22] 2021-12-14
[41] 2022-06-15
[30] US (63/125,507) 2020-12-15

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[13] A1
[51] **Int.Cl. G05B 19/402 (2006.01) B23Q 11/00 (2006.01) G05B 19/401 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR Z-AXIS IMPACT RESISTANCE FOR MACHINING**
[54] **METHODE ET SYSTEME POUR UNE RESISTANCE AUX IMPACTS D'AXE Z POUR L'USINAGE**
[72] SMIDDY, BRIAN S., US
[71] THERMWOOD CORPORATION, US
[22] 2021-12-14
[41] 2022-06-17
[30] US (17/125,196) 2020-12-17

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[13] A1
[51] **Int.Cl. G06F 16/20 (2019.01) G06F 16/23 (2019.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CORRELATING DATA TABLES BASED ON KV DATABASE**
[54] **METHODE ET APPAREIL DE CORRELATION DE TABLEAUX DE DONNEES EN FONCTION D'UNE BASE DE DONNEES KV**
[72] PENG, HU, CN
[72] SUN, QIAN, CN
[72] SHI, BIN, CN
[72] GAO, SHIJIN, CN
[71] 10353744 CANADA LTD., CA
[22] 2021-12-14
[41] 2022-06-16
[30] CN (202011487204.4) 2020-12-16

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[13] A1
[51] **Int.Cl. F24D 15/02 (2006.01) F24H 9/1877 (2022.01) A47C 7/74 (2006.01) F24D 5/00 (2022.01) F24H 3/04 (2022.01)**
[25] EN
[54] **CONVECTIVE INDOOR AND OUTDOOR HYBRID HEATING SYSTEM**
[54] **SYSTEME DE CHAUFFAGE HYBRIDE INTERIEUR ET EXTERIEUR A CONVECTION**
[72] WARDROP, WALTER, CA
[72] BARBER, NICHOLAS, CA
[71] HYBRID ENERGIES ALTERNATIVE TECHNOLOGIES INC., CA
[22] 2021-12-14
[41] 2022-06-14
[30] CA (3,102,578) 2020-12-14

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[13] A1
[51] **Int.Cl. H04L 9/00 (2022.01) H04L 67/53 (2022.01)**
[25] EN
[54] **SECURE RESOLUTION OF EMAIL-BASED QUERIES INVOLVING CONFIDENTIAL THIRD-PARTY DATA**
[54] **RESOLUTION SECURISEE DE REQUETES PAR COURRIEL COMPRENANT DES DONNEES DE TIERS CONFIDENTIELLES**
[72] HOLMES, MICHAEL DAVID TERRANCE, CA
[72] KLICKERMANN, ADAM NICHOLAS, CA
[72] ALI, ASHIK, CA
[72] TAGGART, MICHAEL JAMES, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-12-14
[41] 2022-06-17
[30] US (17/549,705) 2021-12-13
[30] US (63/126,646) 2020-12-17

[21] **3,142,169**
[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 30/02 (2012.01) G06Q 40/02 (2012.01) G06N 20/00 (2019.01)**
[25] EN
[54] **REAL-TIME PROVISIONING OF TARGETED RECOMMENDATIONS BASED ON DECOMPOSED STRUCTURED MESSAGING DATA**
[54] **APPROVISIONNEMENT EN TEMPS REEL DE RECOMMANDATIONS CIBLES EN FONCTION DE DONNEES DE MESSAGES STRUCTUREES DECOMPOSEES**
[72] JONES, CHRISTOPHER MARK, CA
[72] BAIRD, BARRY WAYNE, JR., CA
[72] LAWRENCE, CLAUDE BERNELL, JR., CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[71] THE TORONTO-DOMINION BANK, CA
[22] 2021-12-14
[41] 2022-06-17
[30] US (17/549,701) 2021-12-13
[30] US (63/126,739) 2020-12-17

[21] **3,142,210**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (2018.01) A01H 5/10 (2018.01) C12N 5/10 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TOMATO VARIETY NUN 09325 TOF**
[54] **TOMATE DE VARIETE NUN 09325 TOF**
[72] SILVERTAND, BEN, NL
[71] NUNHEMS B.V., NL
[22] 2021-12-14
[41] 2022-06-14
[30] US (63/125217) 2020-12-14

[21] **3,142,256**
[13] A1
[51] **Int.Cl. H04W 52/18 (2009.01) H04W 52/02 (2009.01)**
[25] EN
[54] **TECHNIQUES FOR PRESERVING BATTERY LIFE IN POOR SIGNAL CONDITIONS USING CELLULAR PROTOCOL INFORMATION**
[54] **TECHNIQUES DE PRESERVATION DE LA DUREE DE VIE D'UNE BATTERIE EN PRESENCE DE MAUVAISES CONDITIONS DE SIGNAUX UTILISANT DES RENSEIGNEMENTS DE PROTOCOLE CELLULAIRE**
[72] DUSENBERRY, ROBERT VERNON, US
[72] MAES, RICHARD DONALD, II, US
[71] ITRON, INC., US
[22] 2021-12-14
[41] 2022-06-18
[30] US (17/127,463) 2020-12-18

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[13] A1
[51] **Int.Cl. H04W 52/02 (2009.01) H04W 24/00 (2009.01) H04W 72/02 (2009.01)**
[25] EN
[54] **PRESERVING BATTERY LIFE IN POOR SIGNAL CONDITIONS USING RF LINK ANALYSIS**
[54] **PRESERVATION DE LA DUREE DE VIE D'UNE BATTERIE EN PRESENCE DE MAUVAISES CONDITIONS DE SIGNAUX AU MOYEN D'UNE ANALYSE EN LIAISON A RADIOFREQUENCE**
[72] MAES, RICHARD DONALD, II, US
[72] DUSENBERRY, ROBERT VERNON, US
[71] ITRON, INC., US
[22] 2021-12-14
[41] 2022-06-18
[30] US (17/127,485) 2020-12-18

[21] **3,142,294**
[13] A1
[51] **Int.Cl. C12N 5/04 (2006.01) A23L 19/00 (2016.01) A01H 6/82 (2018.01) A01H 1/00 (2006.01) A01H 5/00 (2018.01) A01H 5/08 (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] **TOMATO VARIETY NUN 09321 TOF**
[54] **TOMATE DE VARIETE NUN 09321 TOF**
[72] SILVERTAND, BEN, NL
[71] NUNHEMS B.V., NL
[22] 2021-12-14
[41] 2022-06-14
[30] US (63/125228) 2020-12-14

[21] **3,142,302**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06N 20/00 (2019.01) A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACQUISITION GUIDANCE ALERTS BASED ON BIOMETRIC CHARACTERISTICS**
[54] **SYSTEMES ET METHODES D'ACQUISITION D'ALERTES D'ORIENTATION EN FONCTION DE CARACTERISTIQUES BIOMETRIQUES**
[72] PRIOR, WILLIAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2021-12-14
[41] 2022-06-15
[30] US (17/122511) 2020-12-15

[21] **3,142,341**
[13] A1
[51] **Int.Cl. E04D 1/14 (2006.01)**
[25] EN
[54] **ROOFING SHINGLES AND PALLETED PLURALITIES THEREOF**
[54] **BARDEAUX DE TOIT ET PLURALITES CONNEXES SUR PALETTES**
[72] SHRINIVASA, RAKSHITH, US
[72] BENENSKY, PAUL A., US
[72] KOCH, STEVEN A., US
[71] CERTAINTEED LLC, US
[22] 2021-12-15
[41] 2022-06-15
[30] US (63/125,895) 2020-12-15
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[13] A1
[51] **Int.Cl. F16B 23/00 (2006.01) B25B 21/00 (2006.01) B25B 28/00 (2006.01) F16B 13/00 (2006.01) F16B 19/10 (2006.01)**
[25] EN
[54] **TWO-PIECE BLIND FASTENER AND INSTALLATION TOOL**
[54] **FIXATION EN AVEUGLE EN DEUX MORCEAUX ET OUTIL D'INSTALLATION**
[72] COBZARU, CRISTINEL, US
[72] HOFFARTH, BRIAN, US
[71] SPS TECHNOLOGIES, LLC, US
[22] 2021-12-15
[41] 2022-06-17
[30] US (63/126,799) 2020-12-17

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[13] A1
[51] **Int.Cl. A01B 29/04 (2006.01) A01B 21/08 (2006.01) A01B 73/04 (2006.01)**
[25] EN
[54] **SUPPORTING STOP FOR AGRICULTURAL EQUIPMENT AND AGRICULTURAL EQUIPMENT**
[54] **BUTEE DE SUPPORT POUR UN APPAREIL AGRICOLE ET APPAREIL AGRICOLE**
[72] JACOMINE, SEBASTIAO ANTONIO, BR
[72] GALHARDI, CARLOS CESAR, BR
[71] MARCHESAN IMPLEMENTOS E MAQUINAS AGRICOLAS TATU S.A., BR
[22] 2021-12-14
[41] 2022-06-16
[30] BR (BR102020025773-0) 2020-12-16

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[13] A1
[51] **Int.Cl. B67B 5/03 (2006.01) B65B 7/28 (2006.01)**
[25] EN
[54] **CAPSULE-SEALING MACHINE EQUIPPED WITH AN IMPROVED TYPE OF SEALING HEAD FOR APPLYING A COVERING CAPSULE TO THE TOP SURFACES OF CANS AND THEIR IMPROVED SEALING HEAD AND CAN EQUIPPED WITH THE COVERING CAPSULE**
[54] **MACHINE A SCELLER DES CAPSULES DOTEE D'UN TYPE AMELIORE DE TETE DE SCELLAGE POUR APPLIQUER UNE CAPSULE DE COUVERTURE AUX SURFACES SUPERIEURES DE CANNETTES ET LEUR TETE DE SCELLAGE AMELIOREE ET POUVANT ETRE DOTEE DE LA CAPSULE DE COUVERTURE**
[72] CASSOLI, JACOPO, IT
[72] GIULIANI, NICOLA, IT
[72] CATOZZI, FEDERICO, IT
[71] ECOCAP'S S.R.L., IT
[22] 2021-12-14
[41] 2022-06-15
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[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F24F 11/41 (2018.01)**
[25] EN
[54] **CONTROL SYSTEMS AND METHODS FOR PREVENTING EVAPORATOR COIL FREEZE**
[54] **SYSTEMES DE COMMANDE ET METHODES POUR PREVENIR LA CONGELATION D'UN SERPENTIN D'EVAPORATEUR**
[72] GOEL, RAKESH, US
[72] RAJAN, SIDDARTH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2021-12-15
[41] 2022-06-16
[30] US (17/123,702) 2020-12-16

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[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F24F 11/41 (2018.01) F24F 11/86 (2018.01) F25B 47/00 (2006.01)**
[25] EN
[54] **A METHOD AND A SYSTEM FOR PREVENTING A FREEZE EVENT USING REFRIGERANT TEMPERATURE**
[54] **METHODE ET SYSTEME POUR EMPECHER UN EVENEMENT DE CONGELATION AU MOYEN D'UNE TEMPERATURE DE FRIGORIGENE**
[72] GOEL, RAKESH, US
[72] RAJAN, SIDDARTH, US
[71] LENNOX INDUSTRIES INC., US
[22] 2021-12-15
[41] 2022-06-16
[30] US (17/123,476) 2020-12-16

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[13] A1
[51] **Int.Cl. F16L 41/02 (2006.01) F16K 11/00 (2006.01) F16L 55/07 (2006.01)**
[25] EN
[54] **MULTI-FUNCTION T-FITTING**
[54] **RACCORD EN T MULTIFONCTION**
[72] SOUDMAND-ASLI, MOHAMMADREZA, CA
[72] WANG, XINMIN, CA
[71] ROMET LIMITED, CA
[22] 2021-12-15
[41] 2022-06-18
[30] US (63/127,558) 2020-12-18

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[13] A1
[51] **Int.Cl. A47L 13/51 (2006.01) A47G 29/00 (2006.01) A47K 10/22 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ACCESSIBLY POSITIONED SANITIZING MATERIALS**
[54] **SYSTEMES ET METHODES DE MATERIAUX D'ASSAINISSEMENT PLACES POUR L'ACCESSIBILITE**
[72] YANG, FRANK, US
[72] SANDOR, JOSEPH, US
[72] LUM, MYK WAYNE, US
[72] WADE, ADAM C., US
[71] SIMPLEHUMAN, LLC, US
[22] 2021-12-15
[41] 2022-06-15
[30] US (63/125,927) 2020-12-15

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[13] A1
[51] **Int.Cl. F16H 57/04 (2010.01) F02C 7/06 (2006.01) F02C 7/36 (2006.01) F16H 57/02 (2012.01)**
[25] EN
[54] **GEAR BAFFLE**
[54] **CHICANE D'ENGRENAGE**
[72] REJMAN, MARCIN, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-12-15
[41] 2022-06-17
[30] US (17/124,675) 2020-12-17

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[13] A1
[51] **Int.Cl. F01D 9/02 (2006.01) F01D 9/04 (2006.01) F01D 25/28 (2006.01) F02C 7/20 (2006.01)**
[25] EN
[54] **BYPASS DUCT FAIRING INSTALLATION**
[54] **INSTALLATION DE CARENAGE DE CONDUIT DE DERIVATION**
[72] RIDYARD, PHILIP, CA
[71] PRATT & WHITNEY CANADA CORP., CA
[22] 2021-12-15
[41] 2022-06-18
[30] US (17/126,874) 2020-12-18

[21] **3,142,519**
[13] A1
[51] **Int.Cl. H04L 12/02 (2006.01) H04L 69/28 (2022.01)**
[25] EN
[54] **MULTIPOINT ETHERNET BUS**
[54] **BUS ETHERNET MULTIPOINT**
[72] SOBOCINSKI, MAXIME, FR
[72] WILHELM, PHILIPPE, FR
[72] JARAUDIAS, PATRICE, FR
[72] SARR, ASSANE, FR
[71] SCHNEIDER ELECTRIC INDUSTRIES SAS, FR
[22] 2021-12-15
[41] 2022-06-15
[30] EP (20306563.6) 2020-12-15

[21] **3,142,528**
[13] A1
[51] **Int.Cl. A01B 23/06 (2006.01) A01B 15/16 (2006.01)**
[25] EN
[54] **DAMPING ELEMENT FOR AGRICULTURAL EQUIPMENT DISC HOLDER, AGRICULTURAL EQUIPMENT DISC HOLDER, AND AGRICULTURAL EQUIPMENT**
[54] **ELEMENT D'AMORTISSEMENT POUR UN PORTE-DISQUE DE MATERIEL AGRICOLE, PORTE-DISQUE DE MATERIEL AGRICOLE ET MATERIEL AGRICOLE**
[72] JACOMINE, SEBASTIAO ANTONIO, BR
[72] GALHARDI, CARLOS CESAR, BR
[71] MARCHESAN IMPLEMENTOS E MAQUINAS AGRICOLAS TATU S.A., BR
[22] 2021-12-15
[41] 2022-06-16
[30] BR (BR102020025768-4) 2020-12-16

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[54] **STRUCTURAL ELEMENT FOR AGRICULTURAL EQUIPMENT, AND AGRICULTURAL EQUIPMENT**
[54] **ELEMENT STRUCTURAL POUR DE L'EQUIPEMENT AGRICOLE ET EQUIPEMENT AGRICOLE**
[72] MARCHESAN, JOSE LUIZ ALBERTO, BR
[72] JACOMINE, SEBASTIAO ANTONIO, BR
[72] GALHARDI, CARLOS CESAR, BR
[71] MARCHESAN IMPLEMENTOS E MAQUINAS AGRICOLAS TATU S.A., BR
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[54] **AIRCRAFT AND METHOD OF OPERATING AN AIRCRAFT COMPRISING AN AIR SEPARATION DEVICE**
[54] **AERONEF ET METHODE D'EXPLOITATION D'UN AERONEF COMPRENANT UN DISPOSITIF DE SEPARATION D'AIR**
[72] CASADO MONTERO, CARLOS, ES
[72] CALDERON GOMEZ, PABLO MANUEL, ES
[71] AIRBUS OPERATIONS, S.L.U., ES
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[54] **STEREO HEADPHONE PSYCHOACOUSTIC SOUND LOCALIZATION SYSTEM AND METHOD FOR RECONSTRUCTING STEREO PSYCHOACOUSTIC SOUND SIGNALS USING SAME**
[54] **SYSTEME DE LOCALISATION SONORE PSYCHOACOUSTIQUE D'UN CASQUE D'ECOUTE STEREO ET METHODE CONNEXE DE RECONSTITUTION DE SIGNAUX SONORES PSYCHOACOUSTIQUES STEREO**
[72] LOWE, DANNY DAYCE, CA
[72] STECKEL, WILLIAM BRADFORD, CA
[72] PIKE, TIMOTHY JAMES WILLIAM, CA
[72] BOTTRIELL, JEFFREY JAMES, CA
[71] LISN TECHNOLOGIES INC., CA
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[54] **METHOD AND APPARATUS FOR VALIDATION OF EVENT TRACKING ACQUIRED DATA**
[54] **METHODE ET APPAREIL DE VALIDATION DE DONNEES ACQUISES DE SUIVI D'EVENEMENT**
[72] CHEN, YONG, CN
[72] SHENG, HAO, CN
[72] TAO, LI, CN
[72] SUN, QIAN, CN
[72] LI, CHENG, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **STRUCTURAL FIRE- AND WATER-RESISTANT PANELS, AND MANUFACTURING METHODS THEREFOR**
[54] **PANNEAUX STRUCTURAUX RESISTANTS A L'EAU ET AUX INCENDIES ET METHODES DE FABRICATION CONNEXES**
[72] THEBERGE, JEAN PASCAL, US
[72] RAJOPA, TREVOR RONSON, US
[72] MOUDGIL, KARTTIKAY, US
[72] LILES, WINFORD TERRY, US
[71] HUBER ENGINEERED WOODS LLC, US
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[25] EN
[54] **SYSTEM AND METHOD FOR DETECTING ANALYTES IN WATER**
[54] **SYSTEME ET METHODE DE DETECTION D'ANALYTES DANS L'EAU**
[72] UL ALAM, ARIF, CA
[72] DEEN, M. JAMAL, CA
[71] MCMASTER UNIVERSITY, CA
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[54] **KNEE AETHROPLASTY VALIDATION AND GAP BALANCING INSTRUMENTATION**
[54] **VALIDATION D'ARTHROPLASTIE DU GENOU ET INSTRUMENT D'EQUILIBRAGE DE L'ECART**
[72] GOGARTY, EMILY, CA
[72] COUTURE, PIERRE, CA
[72] SANFORD, ADAM H., US
[72] DESBIENS BLAIS, FREDERIQUE, CA
[72] DUFOUR, MARC-ANTOINE, CA
[71] ORTHOSOFT ULC, CA
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[25] FR
[54] **METHOD FOR ENCRYPTING AND STORING SYSTEM FILES AND ASSOCIATED ENCRYPTION AND STORAGE DEVICE**
[54] **PROCEDE DE CHIFFREMENT ET DE STOCKAGE DE FICHIERS INFORMATIQUES ET DISPOSITIF DE CHIFFREMENT ET DE STOCKAGE ASSOCIE**
[72] LE ROUX, SYLVAIN, FR
[72] DIONISI, FLORENT, FR
[71] SAGEMCOM BROADBAND SAS, FR
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[54] **METHOD, ASSEMBLY AND SYSTEM FOR ASSEMBLING AND DISASSEMBLING A SHELTER**
[54] **METHODE, ASSEMBLAGE ET SYSTEME POUR ASSEMBLER ET DEMONTER UN ABRI**
[72] CHAGNON, ALAIN, CA
[72] FRICKE, JOACHIM, CA
[71] ZOOBOX CANADA INC., CA
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[54] **ARTICLE SANITIZING DEVICE AND SYSTEM**
[54] **DISPOSITIF ET SYSTEME D'ASSAINISSEMENT D'ARTICLE**
[72] KEULER, CHAD, CA
[72] BARNES, SEAN, CA
[71] PCL PURE PRODUCTS INC., CA
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[54] **COMPONENT LINKAGE CONFIGURATION METHOD, DEVICE, COMPUTER EQUIPMENT AND STORAGE MEDIUM**
[54] **METHODE DE CONFIGURATION D'UNE LIAISON DE COMPOSANTE, DISPOSITIF, EQUIPEMENT INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] LI, WEI, CN
[72] SUN, QIAN, CN
[72] YANG, CHENGYING, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **METHOD OF AND DEVICE FOR MONITORING BUSINESS DATA, METHOD OF AND DEVICE FOR GENERATING RULE DATA, AND SYSTEM**
[54] **METHODE ET DISPOSITIF POUR SURVEILLER DES DONNEES OPERATIONNELLES, METHODE ET DISPOSITIF POUR GENERER DES DONNEES DE REGLE ET SYSTEME**
[72] FAN, DONG, CN
[72] WANG, JINZHONG, CN
[72] SUN, QIAN, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **METHOD AND SYSTEM FOR SMART DYNAMIC DIMENSION RANKING BASED ON MULTI-DIMENSION FEATURE PARAMETERS**
[54] **METHODE ET SYSTEME POUR LE CLASSEMENT DYNAMIQUE INTELLIGENT DE DIMENSIONS EN FONCTION DE PARAMETRES DE CARACTERISTIQUES MULTIDIMENSIONNELLES**
[72] MENG, WEI, CN
[72] SUN, QIAN, CN
[72] LI, CHENG, CN
[72] PENG, HU, CN
[72] CUI, JIANMEI, CN
[71] 10353744 CANADA LTD., CA
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[25] EN
[54] **WEBPAGE ACCESS METHOD, APPARATUS, COMPUTER DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE D'ACCES A UNE PAGE WEB, APPAREIL, DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE**
[72] SHU, HAILONG, CN
[72] JIANG, XIN, CN
[71] 10353744 CANADA LTD., CA
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[54] **OPTIC DISTRIBUTED SENSING IN A BLIND REGION**
[54] **DETECTION DISTRIBUEE OPTIQUE DANS UNE REGION AVEUGLE**
[72] DE JOODE, ALEX, CS
[71] AP SENSING GMBH, DE
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[54] **SYSTEMS AND METHODS FOR MANUFACTURING IN-SITU HOLLOW CORE / HOLLOW CORE ANALOGUE SLABS, WALLS, AND COLUMNS**
[54] **SYSTEMES ET METHODES DE FABRICATION D'AME ALVEOLEE SUR PLACE ET DALLES, MURS ET COLONNES ANALOGIQUES**
[72] IERADI, GIUSEPPE, CA
[71] IERADI, GIUSEPPE, CA
[22] 2021-12-17
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[51] **Int.Cl. B60L 53/30 (2019.01) B60L 53/50 (2019.01) B60L 53/51 (2019.01) B60L 53/52 (2019.01) B60L 53/60 (2019.01) H02J 7/00 (2006.01) H01B 12/00 (2006.01)**
[25] EN
[54] **FAST BATTERY CHARGING METHOD AND SYSTEM FOR LARGE POWER LOAD APPLICATIONS**
[54] **METHODE ET SYSTEME DE RECHARGE DE BATTERIE RAPIDE POUR DES APPLICATIONS A CHARGE ENERGETIQUE ELEVEE**
[72] SAFAI, MORTEZA, US
[71] THE BOEING COMPANY, US
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[51] **Int.Cl. E21B 47/008 (2012.01) E21B 43/12 (2006.01) F04B 47/02 (2006.01) F04B 49/06 (2006.01)**
[25] EN
[54] **OPTICAL MONITORING AND CONTROL OF PUMPJACK**
[54] **SURVEILLANCE OPTIQUE ET CONTROLE D'UN CHEVALET DE POMPAGE**
[72] REDMOND, JAMES, CA
[72] SOBIN, ZACKERY, US
[72] GUIMOND, SCOTT, CA
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
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[51] **Int.Cl. G01R 31/56 (2020.01)**
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[54] **SYSTEMS AND METHODS FOR IMPROVING IDENTIFICATION OF ISSUES ASSOCIATED WITH DETECTING ANOMALOUS CONDITIONS**
[54] **SYSTEMES ET METHODES POUR AMELIORER LA DETERMINATION DE PROBLEMES ASSOCIES A LA DETECTION DE CONDITIONS ANORMALES**
[72] BICKEL, JON A., US
[72] PELTIER, COLTON THOMAS, US
[71] SCHNEIDER ELECTRIC USA, INC., US
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[51] **Int.Cl. A61B 3/00 (2006.01) A61B 3/028 (2006.01)**
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[54] **COMPUTERIZED SELF-GUIDED VISION MEASUREMENT**
[54] **MESURE DE LA VISION AUTOGUIDEE INFORMATISEE**
[72] LEE, STEVEN, US
[71] 0869316 B.C. LTD. DBA VISION PROS, CA
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[54] **SYSTEMS AND METHODS FOR IMPROVING IDENTIFICATION OF ISSUES ASSOCIATED WITH DETECTING ANOMALOUS CONDITIONS**
[54] **SYSTEMES ET METHODES POUR AMELIORER LA DETERMINATION DE PROBLEMES ASSOCIES A LA DETECTION DE CONDITIONS ANORMALES**
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[72] PELTIER, COLTON THOMAS, US
[71] SCHNEIDER ELECTRIC USA, INC., US
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[54] **PUMPJACK HAVING LINEAR ALTERNATOR**
[54] **CHEVALET DE POMPAGE COMPRENANT UN ALTERNATEUR LINEAIRE**
[72] REDMOND, JAMES, CA
[72] SOBIN, ZACKERY, US
[71] SCHNEIDER ELECTRIC SYSTEMS USA, INC., US
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[51] **Int.Cl. E04D 11/00 (2006.01) E04D 1/28 (2006.01)**
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[54] **ROLLED ROOF STANDING SEAM SYSTEM AND METHOD OF CONSTRUCTION**
[54] **SYSTEME DE JOINT DEBOUT POUR COUVERTURE ROULEE ET METHODE DE CONSTRUCTION**
[72] NASH, ALEX C., US
[72] LENTLIE, WILLIAM, US
[72] BENENSKY, PAUL A., US
[72] DUPONT-MADINIER, KIM, US
[71] CERTAINTEED LLC, US
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[54] **ASYMMETRICAL BUILDING SURFACE BAFFLES AND BUILDING SURFACE SYSTEM**
[54] **CHICANES DE SURFACE DE BATIMENT ASYMETRIQUE ET SYSTEME DE SURFACE DE BATIMENT**
[72] MAGIN, MICHAEL, US
[72] LACOUTURE, SAMUEL CARRILLO, US
[71] CERTAINTEED CEILINGS CORPORATION, US
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[51] **Int.Cl. H02B 7/00 (2006.01) H02B 1/38 (2006.01) H02B 1/56 (2006.01)**
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[54] **SWITCH CABINET ARRANGEMENT**
[54] **CONFIGURATION D'ARMOIRE DE COMMUTATION**
[72] DUPPRE, THEO, DE
[72] HAGER, STEFFEN, DE
[71] WIPOTEC SCIENCE & INNOVATION GMBH, DE
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[51] **Int.Cl. H04W 4/80 (2018.01)**
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[54] **METHOD AND SYSTEM FOR TARGETING NFC SENSORS**
[54] **METHODE ET SYSTEME POUR CIBLER DES CAPTEURS DE COMMUNICATION EN CHAMP PROCHE**
[72] MAAN, DAANISH, CA
[71] SHOPIFY INC., CA
[22] 2021-11-09
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[30] US (17/123,654) 2020-12-16
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[51] **Int.Cl. G06Q 20/38 (2012.01) H04L 67/02 (2022.01)**
[25] EN
[54] **REAL-TIME ASSESSMENT OF INITIATED DATA EXCHANGES BASED ON STRUCTURED MESSAGING DATA**
[54] **EVALUATION EN TEMPS REEL D'ECHANGES DE DONNEES AMORCES EN FONCTION DE DONNEES DE MESSAGES STRUCTUREES**
[72] JONES, CHRISTOPHER MARK, CA
[72] BAIRD, BARRY WAYNE, JR., CA
[72] LAWRENCE, CLAUDE BERNELL, JR., CA
[72] PRENDERGAST, JONATHAN JOSEPH, CA
[71] THE TORONTO-DOMINION BANK, CA
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[30] US (63/126,829) 2020-12-17
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[51] **Int.Cl. F15B 19/00 (2006.01) F15B 20/00 (2006.01)**
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[54] **A FAILURE DETECTION APPARATUS FOR A HYDRAULIC SYSTEM**
[54] **APPAREIL DE DETECTION DES DEFAILLANCES POUR UN SYSTEME HYDRAULIQUE**
[72] PAULMANN, GREGOR, DE
[72] MKADARA, GENEVIEVE, FR
[71] AIRBUS HELICOPTERS DEUTSCHLAND GMBH, DE
[71] AIRBUS HELICOPTERS, FR
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[54] **PROGESTOGEN FOR USE IN THE TREATMENT OF CYTOKINE RELEASE SYNDROME**
[54] **PROGESTOGENE A UTILISER DANS LE TRAITEMENT DU SYNDROME DE LIBERATION DE CYTOKINES**
[72] HU, TAO, CN
[72] DU, TAO TOM, CN
[72] DU, XIN, CN
[71] SHENZHEN EVERGREEN THERAPEUTICS CO., LTD., CN
[85] 2021-07-07
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[51] **Int.Cl. G06F 17/00 (2019.01) G06F 16/955 (2019.01)**
[25] EN
[54] **INTELLIGENT EVENT TRACKING SYSTEM**
[54] **SYSTEME DE SUIVI DES EVENEMENTS INTELLIGENT**
[72] LIU, YIMIN, CN
[72] XU, SAI, CN
[72] LIU, XIN, CN
[71] CITRIX SYSTEMS, INC., US
[71] LIU, YIMIN, CN
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[51] **Int.Cl. B27M 3/24 (2006.01) A47G 21/18 (2006.01) B31C 3/00 (2006.01)**
[25] EN
[54] **BAMBOO STRAW MACHINING METHOD**
[54] **METHODE D'USINAGE DE PAILLES DE BAMBOU**
[72] LIAN, JIANCHANG, CN
[72] FENG, LEI, CN
[71] LONG BAMBOO TECHNOLOGY GROUP CO., LTD., CN
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[51] **Int.Cl. G16B 20/20 (2019.01) G16B 30/00 (2019.01) G16B 40/00 (2019.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **IMPROVED VARIANT CALLER USING SINGLE-CELL ANALYSIS**
[54] **APPELANT DE VARIANTS AMELIORES A L'AIDE D'UNE ANALYSE MONOCELLULAIRE**
[72] MANIVANNAN, MANIMOZHI, US
[72] KIM, DONGMYUNGHEE, US
[72] SAHU, SOMBEET, US
[72] GULATI, SAURABH, US
[72] WANG, SHU, US
[71] MISSION BIO, INC., US
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[51] **Int.Cl. E04B 1/04 (2006.01) E04B 1/06 (2006.01) E04B 1/14 (2006.01) E04C 2/288 (2006.01)**
[25] EN
[54] **IMPROVED TILT-UP AND PRECAST CONSTRUCTION PANELS**
[54] **PANNEAUX DE CONSTRUCTION AMELIORES INCLINABLES ET PREFABRIQUES**
[72] BLACKBURN, KIM, US
[72] BLACKBURN, MARCUS, US
[71] BLACKBURN, KIM, US
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[51] **Int.Cl. C12N 5/077 (2010.01) A61K 35/12 (2015.01)**
[25] EN
[54] **PRODUCTION OF SKELETAL MUSCLE CELLS AND SKELETAL MUSCLE TISSUE FROM PLURIPOTENT STEM CELLS**
[54] **PRODUCTION DE CELLULES DE MUSCLE SQUELETTIQUE ET DE TISSU DE MUSCLE SQUELETTIQUE A PARTIR DE CELLULES SOUCHES PLURIPOTENTES**
[72] ZIMMERMANN, WOLFRAM-HUBERTUS, DE
[72] TIBURCY, MALTE, DE
[72] SHAHRIYARI, MINA, DE
[71] GEORG-AUGUST-UNIVERSITAT GOTTINGEN STIFTUNG OFFENTLICHEN RECHTS, UNIVERSITATSMEDIZIN, DE
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[54] **BLOQUEURS DE CANAUX IONIQUES AU PHOSPHONIUM ET LEURS PROCEDES D'UTILISATION**
[72] COLE, BRIDGET MCCARTHY, US
[72] ELLIS, JAMES LAMOND, US
[71] NOCION THERAPEUTICS, INC., US
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[54] **PASSIVE RANDOM DEPOLARIZER FOR A TUNABLE LASER**
[54] **DEPOLARISEUR ALEATOIRE PASSIF POUR LASER ACCORDABLE**
[72] PROVENZANO, DAN RAYMOND, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
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[54] **UNITE PISTON D'UN VERIN**
[72] BUETER, JOSEF, DE
[71] BUMACH ENGINEERING INTERNATIONAL B.V., NL
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[54] **THREE PHASE MEDIUM VOLTAGE HEATER**
[54] **DISPOSITIF DE CHAUFFAGE A MOYENNE TENSION TRIPHASE**
[72] DINAUER, ETHAN, US
[72] LONG, DENNIS, US
[72] BOEHMER, SCOTT, US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
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[54] **MECANISME D'ENTRAINEMENT EN ROTATION D'APPAREIL D'ALIMENTATION EN AIR, APPAREIL D'ALIMENTATION EN AIR, ET APPAREIL MENAGER**
[72] CUI, SHIQIANG, CN
[72] WANG, JINSHAN, CN
[72] XIAO, YUNMING, CN
[71] GD MIDEA ENVIRONMENT APPLIANCES MFG CO., LTD., CN
[71] MIDEA GROUP CO., LTD., CN
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[54] **PROCEDE DE TRAITEMENT DES EAUX USEES**
[72] HALTTUNEN, SAKARI, FI
[72] NIEMELA, MIIA, FI
[71] KEMIRA OYJ, FI
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[54] **TRAITEMENT DE LA CYSTITE INTERSTITIELLE PAR DES CELLULES SOUCHES PLURIPOTENTES**
[72] SHIMIZU, SHINOBU, JP
[72] KURODA, YASUMASA, JP
[72] YAMAMOTO, TOKUNORI, JP
[72] FURUTA, AKIRA, JP
[72] DEZAWA, MARI, JP
[71] LIFE SCIENCE INSTITUTE, INC., JP
[71] NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM, JP
[71] THE JIKEI UNIVERSITY, JP
[71] TOHOKU UNIVERSITY, JP
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[54] **UTILISATION D'UNE COMPOSITION COMPRENANT DES TOCOTRIENOLS DE VITAMINE E POUR GERER L'ARTERIOPATHIE CEREBRALE AUTOSOMIQUE DOMINANTE AVEC INFARCTUS SOUS-CORTICAUX ET LA LENCOENCEPHALOPATHIE (CADASIL)**
[72] YUEN, KAH HAY, MY
[72] WONG, JIA WOEI, MY
[72] HO, DAVID SUE SAN, MY
[72] FUNG, WAI YEE, MY
[71] HOVID BERHAD, MY
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[54] **A MONOWHEEL SYSTEM**
[54] **SYSTEME MONO-ROUE**
[72] CAHAN, AMOS, IL
[72] QUANTZ, RAN, IL
[72] REGEV, AVIDOR, IL
[71] WATT CAR INDUSTRIES LTD., IL
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[54] **ANTIBODY-CONTAINING PREPARATION**
[54] **PREPARATION PHARMACEUTIQUE COMPRENANT UN ANTICORPS**
[72] KAMEOKA, DAISUKE, JP
[72] YOSHIZAWA, TORU, JP
[72] NUMATA, MEGUMI, JP
[72] SASAKI, HITOSHI, JP
[72] YAMAGUCHI, SO, JP
[72] MURATA, HIROKO, JP
[72] HIRONIWA, NAOKA, SG
[71] CHUGAI SEIYAKU KABUSHIKI KAISHA, JP
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[54] **DISPOSITIF DE MESURE DE TAILLE DE SOUTIEN-GORGE**
[72] LUTHMAN, MARIANNE, GB
[71] LUTHMAN, MARIANNE, GB
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[54] **SYSTEMS FOR MANAGING DYNAMIC USER INTERACTIONS WITH ONLINE SERVICES FOR ENHANCING MENTAL HEALTH OF USERS**
[54] **SYSTEMES DE GESTION D'INTERACTIONS DYNAMIQUES D'UTILISATEURS AVEC DES SERVICES EN LIGNE POUR AMELIORER LA SANTE MENTALE DES UTILISATEURS**
[72] ZILCA, RAN, US
[72] BEN-KIKI, TOMER, US
[72] CARPENTER, DERRICK, US
[71] HAPPIFY, INC., US
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[54] **WASHABLE COOKING APPARATUS**
[54] **APPAREIL DE CUISSON LAVABLE**
[72] TRICKETT, ANDREW DAVID, AU
[71] TRICKETT, ANDREW DAVID, AU
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[54] **HARD HAT ATTACHMENT SYSTEM AND SAFETY EQUIPMENT**
[54] **SYSTEME DE FIXATION DE CASQUE DE SECURITE ET EQUIPEMENT DE SECURITE**
[72] JONES, BENJAMIN T., US
[72] SUMMERSETT, NICOLE Z., US
[72] BLUMENTHAL, AARON S., US
[72] STEARNS, MICHAEL, US
[72] HYMA, STEVEN W., US
[72] PRICE, MCKENZIE T., US
[72] HOPPE, CHRISTOPHER S., US
[72] SQUIERS, GRANT T., US
[71] MILWAUKEE ELECTRIC TOOL CORPORATION, US
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[25] EN
[54] **RETINAL STIMULATION DEVICE FOR MITIGATION OF MYOPIA PROGRESSION**
[54] **DISPOSITIF DE STIMULATION RETINIENNE POUR ATTENUER LA PROGRESSION DE LA MYOPIE**
[72] GREEN, URI, IL
[71] SHAMIR OPTICAL INDUSTRY LTD., IL
[85] 2022-04-29
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[87] (WO2021/105979)
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[51] **Int.Cl. G06F 30/10 (2020.01) G06Q 50/04 (2012.01)**
[25] EN
[54] **COMPUTER IMPLEMENTS SYSTEM AND METHOD FOR ASSISTING THE DESIGN OF MANUFACTURED COMPONENTS REQUIRING POST-PROCESSING**
[54] **SYSTEME D'ACCESSOIRES INFORMATIQUES ET PROCEDE D'AIDE A LA CONCEPTION DE COMPOSANTS FABRIQUES NECESSITANT UN POST-TRAITEMENT**
[72] KOLAEI, AMIR, CA
[72] BHATIA, SOMESH, CA
[72] POULIN, FREDERIC, CA
[71] FZ INC., CA
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[86] 2020-10-30 (PCT/CA2020/051475)
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[51] **Int.Cl. E02F 9/28 (2006.01)**
[25] EN
[54] **ELECTRONICALLY OPERATED LOCKING SYSTEM FOR EARTH MOVING EQUIPMENT AND METHOD**
[54] **SYSTEME DE VERROUILLAGE A ACTIONNEMENT ELECTRONIQUE DESTINE A UN ENGIN DE TERRASSEMENT ET PROCEDE**
[72] SERRURIER, DOUGLAS C., US
[71] CATERPILLAR INC., US
[85] 2022-04-29
[86] 2020-10-09 (PCT/US2020/054907)
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[25] EN
[54] **DISPENSING DEVICE AND ASSEMBLY FOR PACKAGING AND DISPENSING PRODUCT**
[54] **DISPOSITIF DE DISTRIBUTION ET ENSEMBLE D'EMBALLAGE ET DE DISTRIBUTION DE PRODUIT**
[72] ESTE, RENZO, FR
[72] CHATARD-BAPTISTE, CAROLINE, FR
[71] HORUS PHARMA, FR
[71] SANTEN SA, CH
[85] 2022-04-29
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[54] **MODULAR DECOKING ASSEMBLY**
[54] **ENSEMBLE DE DECOKAGE MODULAIRE**
[72] BURGGRAAFF, MAARTEN CORNELIS, US
[71] QUEST INTEGRITY GROUP, LLC, US
[85] 2022-04-29
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[54] **ULTRASONIC TESTING PROBE**
[54] **SONDE D'ESSAI PAR ULTRASONS**
[72] BRIGNAC, JACQUES L., US
[72] ROWLAND, GEORGE R., US
[72] HART, JR. GLENN G., US
[72] FARVER, BRUCE A.P., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
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[25] EN
[54] **POLYMERIC COMPOSITIONS FOR OPTICAL FIBER CABLE COMPONENTS**
[54] **COMPOSITIONS POLYMERES POUR COMPOSANTS DE CABLE A FIBRES OPTIQUES**
[72] SEVEN, KARL M., US
[72] ESSEGHIR, MOHAMED, US
[72] COGEN, JEFFREY M., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
[85] 2022-04-29
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[54] **WATER SPORTS EQUIPMENT, IN PARTICULAR HYDROFOIL BOARD**
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[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080702)
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[25] EN
[54] **RATCHET LOAD BINDER WITH TAMPER DETERRENCE FEATURES**
[54] **TENDEUR D'ARRIMAGE A ROCHET A CARACTERISTIQUES ANTIVOL**
[72] MOLLICK, PETER J., US
[71] MOLLICK, PETER J., US
[85] 2022-04-29
[86] 2020-10-27 (PCT/US2020/000042)
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[51] **Int.Cl. E02F 9/28 (2006.01) E05B 17/14 (2006.01) E05B 47/06 (2006.01)**
[25] EN
[54] **ELECTRICALLY ACTIVATED POLYMER BASED POWER LOCKING DEVICE FOR EARTH MOVING EQUIPMENT**
[54] **DISPOSITIF DE VERROUILLAGE ELECTRIQUE A BASE DE POLYMERE ACTIVE ELECTRIQUEMENT POUR EQUIPEMENT DE TERRASSEMENT**
[72] SERRURIER, DOUGLAS C., US
[71] CATERPILLAR INC., US
[85] 2022-04-29
[86] 2020-10-09 (PCT/US2020/055006)
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[54] **MACRO ANTI-FOULING SCREEN FUNCTIONING IN MULTI-DIRECTIONAL FLOW**
[54] **MACRO-ECRAN ANTI-SALISSURES FONCTIONNANT DANS UN FLUX MULTIDIRECTIONNEL**
[72] BROTHERTON, KIENAN CREE, US
[72] BROOKS, JONATHAN THOMAS, US
[72] SEIDEL, ALEXANDER ELAZAR, US
[72] MACKOVJAK, SETH LAWRENCE, US
[71] EMERGING ACQUISITIONS, LLC, US
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[51] **Int.Cl. B63B 1/24 (2020.01) B63B 32/10 (2020.01) B63B 32/60 (2020.01) B63B 1/30 (2006.01)**
[25] EN
[54] **WATER SPORT DEVICE, IN PARTICULAR A FOILBOARD**
[54] **EQUIPEMENT POUR SPORTS NAUTIQUES, EN PARTICULIER PLANCHE DE FOIL**
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080696)
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[54] **DRYWALL AND METHOD FOR CONSTRUCTING A DRYWALL**
[54] **CLOISON SECHE ET PROCEDE DE CONSTRUCTION D'UNE CLOISON SECHE**
[72] SCHNOBRICH, RUTH, DE
[72] HOLFELDER, KLAUS, DE
[72] WANDLER, KLAUS, DE
[71] KNAUF GIPS KG, DE
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[51] **Int.Cl. C07K 16/28 (2006.01)**
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[54] **ANTI-CD45 ANTIBODIES AND CONJUGATES THEREOF**
[54] **ANTICORPS ANTI-CD45 ET LEURS CONJUGUES**
[72] BOITANO, ANTHONY, US
[72] COOKE, MICHAEL, US
[72] MCDONAGH, CHARLOTTE, US
[72] PALCHAUDHURI, RAHUL, US
[72] PANWAR, RAJIV, US
[72] PEARSE, BRADLEY R., US
[72] WIDBOOM, PAUL FREDRICK, US
[72] CRUITE, PATRICIA ANN, US
[71] MAGENTA THERAPEUTICS, INC., US
[85] 2022-04-29
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[87] (WO2021/087368)
[30] US (62/929,137) 2019-11-01
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[51] **Int.Cl. G06Q 99/00 (2006.01)**
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[54] **ADVISOR INTERFACE SYSTEMS AND METHODS**
[54] **SYSTEMES ET PROCEDES D'INTERFACE DE CONSEILLER**
[72] VAUTHEY, ALEX, US
[72] LIU, ANNABEL, US
[72] MACNAUGHTON, IAIN, US
[72] VIVAS, EDUARDO, US
[72] FLORENCIO, JOSEPH, US
[72] JOHNSON, KYLE, US
[72] SOSNOWSKI, KYLE, US
[72] OMBRES, PETER, US
[72] LIU, QI, US
[72] PARRAS, RODRIGO, US
[71] DEAL.COM INC., US
[85] 2022-04-29
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[30] US (62/928,340) 2019-10-30
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[25] EN
[54] **SYSTEM AND METHOD OF HYBRID MARINE PROPULSION**
[54] **SYSTEME ET PROCEDE DE PROPULSION MARINE HYBRIDE**
[72] MOLLOY, SUE, CA
[71] GLAS OCEAN ELECTRIC INC., CA
[85] 2022-04-29
[86] 2020-10-28 (PCT/CA2020/051450)
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[51] **Int.Cl. E21B 43/12 (2006.01) E21B 43/16 (2006.01) F04D 13/10 (2006.01)**
[25] EN
[54] **CENTRALIZING FEATURES IN ELECTRICAL SUBMERSIBLE PUMP**
[54] **ELEMENTS DE CENTRALISATION DANS UNE POMPE ELECTRIQUE SUBMERSIBLE**
[72] YE, ZHENG, US
[72] FORSBERG, MICHAEL, US
[72] RUTTER, RISA, US
[72] WILLIAMS, BRETT T., US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-04-29
[86] 2020-11-06 (PCT/US2020/059469)
[87] (WO2021/092430)
[30] US (62/933,131) 2019-11-08
[30] US (17/091,686) 2020-11-06

[21] **3,156,744**
[13] A1
[51] **Int.Cl. H04L 1/18 (2006.01)**
[25] EN
[54] **ELECTRONIC DEVICE, COMMUNICATION METHOD AND STORAGE MEDIUM**
[54] **DISPOSITIF ELECTRONIQUE, PROCEDE DE COMMUNICATION ET SUPPORT DE STOCKAGE**
[72] CUI, TAO, CN
[72] CAO, JIANFEI, CN
[71] SONY GROUP CORPORATION, JP
[85] 2022-04-29
[86] 2020-11-03 (PCT/CN2020/126097)
[87] (WO2021/088789)
[30] CN (201911089379.7) 2019-11-08

[21] **3,156,745**
[13] A1
[51] **Int.Cl. C10G 3/00 (2006.01) C07C 1/207 (2006.01) C10L 1/08 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **PROCESSES FOR PRODUCING HYDROCARBON MATERIAL FROM ORGANIC FEEDSTOCK**
[54] **PROCEDES DE PRODUCTION D'UN MATERIAU HYDROCARBONE A PARTIR D'UNE CHARGE ORGANIQUE**
[72] VANKNOTSENBURG, CORNELIUS TEUNIS, CA
[72] BRENNER, CARLA ANN, CA
[72] WELDON, MICHAEL TODD, CA
[71] FORGE HYDROCARBONS CORPORATION, CA
[85] 2022-04-29
[86] 2020-11-06 (PCT/CA2020/051508)
[87] (WO2021/087616)
[30] US (62/931,281) 2019-11-06
[30] US (62/931,291) 2019-11-06
[30] US (62/931,300) 2019-11-06
[30] US (62/931,319) 2019-11-06

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[13] A1
[51] **Int.Cl. C12P 19/44 (2006.01)**
[25] EN
[54] **METHODS OF PRODUCING COMPOSITIONS COMPRISING HYDROPHILIC SOPHOROLIPIDS**
[54] **PROCEDES DE PRODUCTION DE COMPOSITIONS COMPRENANT DES SOPHOROLIPIDES HYDROPHILES**
[72] FARMER, SEAN, US
[72] ALIBEK, KEN, US
[72] MAHMOUDKHANI, AMIR, US
[72] DA SILVA DE AGUIAR, JANAINA IZABEL, US
[71] LOCUS IP COMPANY, LLC, US
[85] 2022-04-29
[86] 2021-05-20 (PCT/US2021/033352)
[87] (WO2021/236904)
[30] US (63/027,676) 2020-05-20

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[13] A1
[51] **Int.Cl. A61K 9/127 (2006.01) A61K 9/00 (2006.01) A61K 38/04 (2006.01) C07K 14/00 (2006.01)**
[25] EN
[54] **CHIMERIC PROTEINS FOR SELECTIVE LYSIS OF BACTERIA**
[54] **PROTEINES CHIMERIQUES POUR LA LYSE SELECTIVE DE BACTERIES**
[72] PAUL, VIVEK DANIEL, IN
[72] SARAVANAN, R. SANJEEV, IN
[72] AMBADY, ANISHA, IN
[71] BACTOCLEAR HOLDINGS PTE. LTD, SG
[71] AMBADY, ANISHA, IN
[85] 2022-04-29
[86] 2020-10-30 (PCT/IN2020/050918)
[87] (WO2021/084558)
[30] IN (201941044142) 2019-10-31

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[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/17 (2006.01) A61K 31/196 (2006.01)**
[25] EN
[54] **USE OF ITACONATE AND ITS DERIVATIVES/ANALOGUES TO INDUCE HAIR GROWTH**
[54] **UTILISATION D'ITACONATE ET DE SES DERIVES/ANALOGUES POUR INDUIRE LA POUSSE DES CHEVEUX**
[72] GARZA, LUIS, US
[72] ISLAM, MOHAMEED, US
[72] SLUSHER, BARBARA, US
[72] RAIS, RANA, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2022-04-29
[86] 2020-10-29 (PCT/US2020/057913)
[87] (WO2021/087083)
[30] US (62/927,307) 2019-10-29

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[13] A1
[51] **Int.Cl. B63B 71/10 (2020.01) B63B 32/10 (2020.01) B63B 32/50 (2020.01) B63B 32/59 (2020.01) B63B 32/60 (2020.01) B63B 73/00 (2020.01) B63B 73/60 (2020.01) B63B 73/72 (2020.01) B63B 1/10 (2006.01) B63C 11/02 (2006.01)**
[25] EN
[54] **METHOD FOR CONSTRUCTING AND/OR MANUFACTURING A WATER SPORTS DEVICE**
[54] **METHODE DE CONSTRUCTION ET/OU DE FABRICATION D'UN DISPOSITIF DE SPORT AQUATIQUE**
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080698)
[87] (WO2021/084129)
[30] DE (10 2019 129 575.0) 2019-11-01

[21] **3,156,753**
[13] A1
[51] **Int.Cl. A61F 2/78 (2006.01)**
[25] EN
[54] **FLEXIBLE INNER SOCKET FOR PROVIDING INNER CIRCUMFERENCE REDUCTION TO RIGID PROSTHETIC SOCKET**
[54] **EMBOITURE INTERNE FLEXIBLE POUR FOURNIR UNE REDUCTION DE CIRCONFERENCE INTERNE A UNE EMBOITURE PROTHETIQUE RIGIDE**
[72] JOSEPH, MARK C., US
[72] SMITH, SEAN D., US
[71] MEDICAL CREATIONS, INC., US
[85] 2022-04-29
[86] 2020-06-10 (PCT/US2020/036909)
[87] (WO2021/251958)

[21] **3,156,756**
[13] A1
[51] **Int.Cl. F42D 1/28 (2006.01) F42D 1/12 (2006.01)**
[25] EN
[54] **GEL STEMMING DELIVERY SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE BOURRAGE DE GEL**
[72] BAKER, EDWARD, AU
[72] WHEELER, ANDREW, AU
[72] BROWNE, DAMIEN, AU
[72] PARK, ALLEN, AU
[71] PWS - STEMSAFE JV PTY LTD, AU
[85] 2022-04-29
[86] 2020-11-04 (PCT/AU2020/051197)
[87] (WO2021/087559)
[30] AU (2019904155) 2019-11-04

[21] **3,156,758**
[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61P 25/08 (2006.01)**
[25] EN
[54] **CANNABIDIOL-TYPE CANNABINOID COMPOUND**
[54] **COMPOSE CANNABINOIDE DE TYPE CANNABIDIOL**
[72] GUY, GEOFFREY, GB
[72] KNAPPERTZ, VOLKER, GB
[72] WHALLEY, BENJAMIN, GB
[72] WOOLLEY-ROBERTS, MARIE, GB
[71] GW RESEARCH LIMITED, GB
[85] 2022-04-29
[86] 2020-11-18 (PCT/GB2020/052938)
[87] (WO2021/099777)
[30] GB (1916846.7) 2019-11-19

[21] **3,156,759**
[13] A1
[51] **Int.Cl. G06Q 20/38 (2012.01) G06Q 20/32 (2012.01) G06Q 20/36 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR ISSUING AND USING DEDICATED TOKENS FOR REWARDS ACCOUNTS**
[54] **SYSTEMES ET PROCEDES D'EMISSION ET D'UTILISATION DE JETONS DEDIES DE COMPTES DE RECOMPENSES**
[72] CAREY, DAVID CHRISTOPHER, US
[72] PANCHOMARTHI, SANGAMESWARA RAO, US
[71] JPMORGAN CHASE BANK, N.A., US
[85] 2022-04-29
[86] 2020-10-30 (PCT/US2020/058325)
[87] (WO2021/087336)
[30] US (62/928,172) 2019-10-30
[30] US (17/084,288) 2020-10-29

[21] **3,156,763**
[13] A1
[51] **Int.Cl. B63B 1/30 (2006.01) B63B 32/64 (2020.01)**
[25] EN
[54] **WATER SPORT DEVICE, IN PARTICULAR A FOILBOARD**
[54]
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080711)
[87] (WO2021/084135)
[30] DE (10 2019 129 569.6) 2019-11-01

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[13] A1
[51] **Int.Cl. A61K 31/05 (2006.01) A61P 25/08 (2006.01) C07C 39/00 (2006.01)**
[25] EN
[54] **CANNABIDIOL-TYPE CANNABINOID COMPOUND**
[54] **COMPOSE CANNABINOIDE DE TYPE CANNABIDIOL**
[72] GUY, GEOFFREY, GB
[72] KNAPPERTZ, VOLKER, GB
[72] WHALLEY, BENJAMIN, GB
[72] WOOLLEY-ROBERTS, MARIE, GB
[71] GW RESEARCH LIMITED, GB
[85] 2022-04-29
[86] 2020-11-18 (PCT/GB2020/052936)
[87] (WO2021/099775)
[30] GB (1916849.1) 2019-11-19

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[13] A1
[51] **Int.Cl. G06Q 10/00 (2012.01) G06Q 10/08 (2012.01) G06F 17/00 (2019.01) G08G 1/01 (2006.01)**
[25] EN
[54] **RECYCLING ASSETS INCORPORATING WIRELESS TAGS**
[54] **RECYCLAGE D'ACTIFS COMPRENANT DES ETIQUETTES SANS FIL**
[72] VOLKERINK, HENDRIK, US
[72] KHOCHE, AJAY, US
[71] TRACKONOMY SYSTEMS, INC., US
[85] 2022-04-29
[86] 2020-11-02 (PCT/US2020/058493)
[87] (WO2021/087437)
[30] US (62/929,102) 2019-11-01
[30] US (17/086,696) 2020-11-02

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[13] A1
[51] **Int.Cl. G06N 10/00 (2022.01) B82Y 10/00 (2011.01)**
[25] EN
[54] **QUANTUM COMPUTER SYSTEM AND METHOD FOR PARTIAL DIFFERENTIAL EQUATION-CONSTRAINED OPTIMIZATION**
[54] **SYSTEME INFORMATIQUE QUANTIQUE ET PROCEDE D'OPTIMISATION AVEC CONTRAINTE PAR EQUATIONS DIFFERENTIELLES PARTIELLES**
[72] CAO, YUDONG, US
[71] ZAPATA COMPUTING, INC., US
[85] 2022-04-29
[86] 2020-11-06 (PCT/US2020/059371)
[87] (WO2021/092351)
[30] US (62/931,382) 2019-11-06

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[13] A1
[51] **Int.Cl. B63B 32/10 (2020.01) B63B 32/60 (2020.01) B63B 1/30 (2006.01) B63H 11/08 (2006.01) B63H 11/117 (2006.01) B63B 43/18 (2006.01)**
[25] EN
[54] **WATER SPORTS DEVICE**
[54] **DISPOSITIF DE SPORT AQUATIQUE**
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080695)
[87] (WO2021/084126)
[30] DE (10 2019 129 572.6) 2019-11-01

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[13] A1
[51] **Int.Cl. F16H 1/00 (2006.01) F16H 49/00 (2006.01)**
[25] EN
[54] **HARMONIC DRIVE ACTUATOR GEARHEAD**
[54] **TETE D'ENGRENAGE D'ACTIONNEUR D'ENTRAINEMENT HARMONIQUE**
[72] STOIANOVICI, DAN, US
[72] PETRISOR, DORU, US
[71] THE JOHNS HOPKINS UNIVERSITY, US
[85] 2022-04-29
[86] 2020-11-02 (PCT/US2020/058545)
[87] (WO2021/087457)
[30] US (62/928,710) 2019-10-31

[21] **3,156,769**
[13] A1
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **STRUCTURALLY FITTED TRANSCATHETER AORTIC VALVE IMPLANTATION DEVICE**
[54] **DISPOSITIF D'IMPLANTATION DE VALVE AORTIQUE TRANS-CATHETER AJUSTEE STRUCTURELLEMENT**
[72] MA, CHENMING, CN
[71] NANJING SAINT MEDICAL TECHNOLOGY CO., LTD., CN
[85] 2022-04-29
[86] 2020-10-16 (PCT/CN2020/121635)
[87] (WO2021/139301)
[30] CN (202010021982.8) 2020-01-09

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[13] A1
[51] **Int.Cl. B63B 32/60 (2020.01) B63B 32/10 (2020.01) B63B 32/66 (2020.01) B63B 34/10 (2020.01) B63B 1/24 (2020.01) B63B 1/30 (2006.01)**
[25] EN
[54] **WATER SPORTS DEVICE**
[54]
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080697)
[87] (WO2021/084128)
[30] DE (10 2019 129 577.7) 2019-11-01

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[13] A1
[51] **Int.Cl. B60W 20/00 (2016.01) F02D 41/06 (2006.01) F02N 11/00 (2006.01) F02N 11/04 (2006.01) F02N 11/08 (2006.01)**
[25] EN
[54] **METHODS OF OPERATING AN ELECTRIC VEHICLE AND ELECTRIC SNOWMOBILE**
[54] **PROCEDES DE FONCTIONNEMENT D'UN VEHICULE ELECTRIQUE ET MOTONEIGE ELECTRIQUE**
[72] VAISANEN, ESA, FI
[72] SOULTANIS, IOANNIS, FI
[72] KERANEN, JUKKA, FI
[72] SHARP, ASHLEY, FI
[71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA
[85] 2022-04-29
[86] 2020-11-02 (PCT/IB2020/060274)
[87] (WO2021/084520)
[30] US (62/928,603) 2019-10-31

[21] **3,156,772**
[13] A1
[51] **Int.Cl. A61K 9/19 (2006.01) A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/145 (2006.01) A61K 47/26 (2006.01) A61K 47/34 (2017.01) A61P 17/16 (2006.01)**
[25] EN
[54] **FREEZE-DRIED POWDER CONTAINING 2-[(3-AMINOPROPYL)AMINO]ETHANE THIOL AND ITS USE FOR PREPARING A THERMOGEL**
[54] **POUDRE LYOPHILISEE CONTENANT DU 2-[(3-AMINOPROPYL)AMINO]ETHANE THIOL ET SON UTILISATION POUR LA PREPARATION D'UN THERMOGEL**
[72] BRICOUT, DENIS, FR
[72] WANG-ZHANG, XIUPING, FR
[72] DEUTSCH, ERIC, FR
[72] CLEMENSON, CELINE, FR
[71] CLEVEXEL PHARMA, FR
[71] INSTITUT GUSTAVE ROUSSY, FR
[71] UNIVERSITE PARIS-SACLAY, FR
[85] 2022-04-29
[86] 2020-11-24 (PCT/EP2020/083148)
[87] (WO2021/105093)
[30] EP (19211244.9) 2019-11-25

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[13] A1
[51] **Int.Cl. B63B 1/24 (2020.01) B60L 50/90 (2019.01) B63B 32/10 (2020.01) B63B 32/60 (2020.01) B63H 1/16 (2006.01) B63H 11/08 (2006.01)**
[25] EN
[54] **UNDERWATER MOTOR MODULE FOR A WATER SPORTS DEVICE**
[54]
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080700)
[87] (WO2021/084130)
[30] DE (10 2019 129 576.9) 2019-11-01

[21] **3,156,774**
[13] A1
[51] **Int.Cl. B29C 64/209 (2017.01) B29C 64/386 (2017.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PRINTING A CORE SHELL FIBER**
[54] **SYSTEMES ET PROCEDES D'IMPRESSION D'UNE FIBRE NOYAU-ENVELOPPE**
[72] BEYER, SIMON, CA
[72] XU, ZHENSONG, CA
[72] BROWN, KEDDIE, CA
[71] ASPECT BIOSYSTEMS LTD., CA
[85] 2022-04-29
[86] 2020-11-01 (PCT/CA2020/051482)
[87] (WO2021/081672)
[30] US (62/929,720) 2019-11-01
[30] US (63/030,885) 2020-05-27

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[13] A1
[51] **Int.Cl. G06F 9/54 (2006.01)**
[25] EN
[54] **CLOUD SERVICE FOR CROSS-CLOUD OPERATIONS**
[54] **SERVICE EN NUAGE POUR DES OPERATIONS INTER-NUAGES**
[72] HERLE, VARSHA, US
[72] JAIN, KAVISH, US
[72] VADDEMPUDI, SHARATH, US
[71] SERVICENOW, INC., US
[85] 2022-04-29
[86] 2020-10-29 (PCT/US2020/058022)
[87] (WO2021/087152)
[30] US (16/670,591) 2019-10-31

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[13] A1
[51] **Int.Cl. G01N 1/02 (2006.01) B01L 3/00 (2006.01) G01N 21/62 (2006.01) G01N 21/71 (2006.01) G01N 33/483 (2006.01) H01S 3/10 (2006.01)**
[25] EN
[54] **APPARATUS AND METHODS FOR LASER-BASED SINGLE CELL RECOVERY FROM MICROCAPILLARY ARRAYS**
[54] **APPAREIL ET PROCEDES DE RECUPERATION DE CELLULES INDIVIDUELLES PAR LASER A PARTIR DE RESEAUX MICROCAPILLAIRES**
[72] CHEN, BOB, US
[72] BLANCO, AUSTIN, US
[72] KELLY, RYAN LEWIS, US
[72] LIU, FRANCES, US
[72] CROOTE, DEREK, US
[72] HATCH, SAMUEL TIMOTHY, US
[71] XCELLA BIOSCIENCES, INC., US
[85] 2022-04-29
[86] 2020-11-06 (PCT/US2020/059485)
[87] (WO2021/092442)
[30] US (62/932,989) 2019-11-08

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[13] A1
[51] **Int.Cl. C07D 403/04 (2006.01)**
[25] EN
[54] **SUBSTITUTED HETEROCYCLIC FUSED CYCLIC COMPOUND, PREPARATION METHOD THEREFOR AND PHARMACEUTICAL USE THEREOF**
[54] **COMPOSE CYCLIQUE CONDENSE HETEROCYCLIQUE SUBSTITUE, SON PROCEDE DE PREPARATION ET SON UTILISATION PHARMACEUTIQUE**
[72] ZHOU, FUSHENG, CN
[72] JIANG, TAO, CN
[72] LIN, CHONGLAN, CN
[72] CAI, LIJIAN, CN
[72] HE, WAN, CN
[72] LAN, JIONG, CN
[71] GENFLEET THERAPEUTICS (SHANGHAI) INC., CN
[71] ZHEJIANG GENFLEET THERAPEUTICS CO., LTD., CN
[85] 2022-04-29
[86] 2020-10-28 (PCT/CN2020/124226)
[87] (WO2021/083167)
[30] CN (201911045542.X) 2019-10-30
[30] CN (202010272563.1) 2020-04-09
[30] CN (202011140832.5) 2020-10-22

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[13] A1
[51] **Int.Cl. G07C 9/00 (2020.01) G07C 5/00 (2006.01)**
[25] EN
[54] **APPARATUS FOR DETECTION OF DRIVER AND VEHICLE PERFORMANCE, FUEL EFFICIENCY AND PRESENCE OF HUMANS OR MAMMALS IN VEHICLE STORAGE AREA**
[54] **APPAREIL DE DETECTION DES PERFORMANCES D'UN CONDUCTEUR ET D'UN VEHICULE, DE L'EFFICACITE ENERGETIQUE ET DE LA PRESENCE D'ETRES HUMAINS OU DE MAMMIFERES DANS UNE ZONE DE STOCKAGE DE VEHICUL**
[72] MOLLOY, ANTHONY JOHN, GB
[72] GILES, SIMON, GB
[71] MOLLOY, ANTHONY JOHN, GB
[71] GILES, SIMON, GB
[85] 2022-04-29
[86] 2020-10-30 (PCT/GB2020/052747)
[87] (WO2021/084267)
[30] GB (1915744.5) 2019-10-30

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[13] A1
[51] **Int.Cl. F16K 1/32 (2006.01) F16K 1/42 (2006.01) F16K 1/52 (2006.01) F16K 1/54 (2006.01)**
[25] EN
[54] **NON-CONTACT DEPOSITION SYSTEMS INCLUDING JETTING ASSEMBLIES**
[54] **SYSTEMES DE DEPOT SANS CONTACT COMPRENANT DES ENSEMBLES DE PROJECTION**
[72] BUSKIRK, WILLIAM A., US
[71] MATTHEWS INTERNATIONAL CORPORATION, US
[85] 2022-04-29
[86] 2020-10-30 (PCT/US2020/058136)
[87] (WO2021/087218)
[30] US (62/929,271) 2019-11-01

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[13] A1
[51] **Int.Cl. B63B 32/10 (2020.01) B63B 32/60 (2020.01) B63B 1/24 (2020.01) B63B 1/30 (2006.01) B63H 1/16 (2006.01) B63H 11/08 (2006.01)**
[25] EN
[54] **WATER SPORT DEVICE, IN PARTICULAR A FOILBOARD**
[54] **DISPOSITIF DE SPORT AQUATIQUE, EN PARTICULIER UNE PLANCHE HYDRODYNAMIQUE**
[72] ROSEN, HERMANN, CH
[71] ROSEN SWISS AG, CH
[85] 2022-04-29
[86] 2020-11-02 (PCT/EP2020/080701)
[87] (WO2021/084131)
[30] DE (10 2019 129 571.8) 2019-11-01

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[13] A1
[51] **Int.Cl. H04B 7/185 (2006.01) H04L 1/00 (2006.01)**
[25] EN
[54] **DYNAMIC RESIZING OF A SATELLITE LINK OUTROUTE OR FORWARD CHANNEL**
[54] **REDIMENSIONNEMENT DYNAMIQUE D'UN CANAL ALLER OU SORTANT DE LIAISON PAR SATELLITE**
[72] ROY, SATYAJIT, US
[72] CHOQUETTE, GEORGE, US
[71] HUGHES NETWORK SYSTEMS, LLC, US
[85] 2022-04-29
[86] 2020-11-12 (PCT/US2020/060130)
[87] (WO2021/101779)
[30] US (16/692,249) 2019-11-22

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[13] A1
[51] **Int.Cl. F03D 80/60 (2016.01)**
[25] EN
[54] **AIR COOLING SYSYTEM, WIND TURBINE GENERATOR UNIT AND COOLING METHOD THEREOF**
[54] **SYSTEME DE REFROIDISSEMENT D'AIR, UNITE DE GENERATEUR EOLIEN ET SON PROCEDE DE REFROIDISSEMENT**
[72] BAI, LUOLIN, CN
[72] FANG, TAO, CN
[72] SORENSEN, PETER HESSELLUND, CN
[71] XINJIANG GOLDWIND SCIENCE & TECHNOLOGY CO., LTD., CN
[85] 2022-04-29
[86] 2020-06-09 (PCT/CN2020/095063)
[87] (WO2021/082455)
[30] CN (201911060126.7) 2019-11-01

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[13] A1
[51] **Int.Cl. C07D 487/14 (2006.01) A61P 9/10 (2006.01) A61P 25/28 (2006.01) C07D 487/20 (2006.01) C07D 491/20 (2006.01) C07D 513/12 (2006.01)**
[25] EN
[54] **TRICYCLE DIHYDROIMIDAZOPYRIMIDONE DERIVATIVE, PREPARATION METHOD THEREOF, PHARMACEUTICAL COMPOSITION AND USE THEREOF**
[54] **DERIVE DE DIHYDROIMIDAZOPYRIMIDONE TRICYCLIQUE, SON PROCEDE DE PREPARATION, COMPOSITION PHARMACEUTIQUE ET SON UTILISATION**
[72] JIN, YUN, CN
[72] WU, JINHUA, CN
[72] PENG, JUN, CN
[72] SUN, YONG, CN
[71] SHANGHAI SIMR BIOTECHNOLOGY CO., LTD, CN
[71] SHANGHAI SIMRD BIOTECHNOLOGY CO., LTD, CN
[85] 2022-04-29
[86] 2020-11-09 (PCT/CN2020/127426)
[87] (WO2021/089032)
[30] CN (201911104067.9) 2019-11-09

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[51] **Int.Cl. A61B 10/00 (2006.01) A61F 5/44 (2006.01) A61F 5/455 (2006.01)**
[25] EN
[54] **URINE COLLECTION APPARATUSES**
[54] **APPAREILS DE COLLECTE D'URINE**
[72] ACOSTA, FRED, US
[71] ACOSTA MEDICAL GROUP, INC., US
[85] 2022-04-29
[86] 2020-10-29 (PCT/US2020/057952)
[87] (WO2021/087107)
[30] US (62/927,370) 2019-10-29

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **IDENTIFICATION AND CHARACTERISATION OF HERBICIDES AND PLANT GROWTH REGULATORS**
[54] **IDENTIFICATION ET CARACTERISATION D'HERBICIDES ET DE REGULATEURS DE CROISSANCE DES PLANTES**
[72] CHAMPION, CLEMENT, GB
[72] DOLAN, LIAM, GB
[72] ATTRILL, SARAH, GB
[71] OXFORD UNIVERSITY INNOVATION LIMITED, GB
[85] 2022-04-29
[86] 2020-11-04 (PCT/IB2020/060331)
[87] (WO2021/090182)
[30] AU (2019904145) 2019-11-04

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[51] **Int.Cl. G05D 1/10 (2006.01)**
[25] EN
[54] **ROUTE HEIGHT ADJUSTMENT METHOD, METHOD FOR OPERATING UNMANNED AERIAL VEHICLE, AND RELATED APPARATUS**
[54] **PROCEDE DE REGLAGE D'ALTITUDE D'ITINERAIRE, PROCEDE DE FONCTIONNEMENT DE VEHICULE AERIEN SANS PILOTE ET APPAREIL ASSOCIE**
[72] ZHENG, LIQIANG, CN
[71] GUANGZHOU XAIRCRAFT TECHNOLOGY CO., LTD., CN
[85] 2022-04-29
[86] 2019-11-01 (PCT/CN2019/115158)
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[51] **Int.Cl. A23L 33/00 (2016.01) A61K 31/00 (2006.01)**
[25] EN
[54] **NUTRITIONAL COMPOSITION FOR VISUAL FUNCTION**
[54] **COMPOSITION NUTRITIVE ASSOCIEE A LA FONCTION VISUELLE**
[72] PADIGARU, MURALIDHARA, IN
[72] MORDE, ABHIJEET, IN
[72] BHANUSE, PRAKASH, IN
[71] OMNIACTIVE HEALTH TECHNOLOGIES LIMITED, IN
[85] 2022-04-29
[86] 2020-11-10 (PCT/IB2020/060572)
[87] (WO2021/094918)
[30] IN (201921046568) 2019-11-15

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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTI-HUMAN CLAUDIN 18.2 ANTIBODY AND APPLICATION THEREOF**
[54] **ANTICORPS ANTI-CLAUDINE 18,2 HUMAINE ET SON APPLICATION**
[72] LIN, JIAN, CN
[72] DENG, XIAOFANG, CN
[72] GAO, PAN, CN
[72] XU, XIAOHONG, CN
[72] WANG, LICHUN, CN
[72] REN, HONGYUAN, CN
[72] BI, JIANJUN, CN
[72] WANG, JIN, CN
[71] MABWELL (SHANGHAI) BIOSCIENCE CO., LTD., CN
[85] 2022-04-29
[86] 2020-09-28 (PCT/CN2020/118424)
[87] (WO2021/058000)
[30] CN (201910929614.0) 2019-09-29

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[51] **Int.Cl. C12N 1/20 (2006.01) C12N 15/113 (2010.01) C12N 9/22 (2006.01) C12N 9/78 (2006.01) C12N 15/10 (2006.01) C12N 15/74 (2006.01)**
[25] EN
[54] **GENOME EDITING IN BACTEROIDES**
[54] **EDITION GENOMIQUE DANS DES BACTEROIDES**
[72] EASTLUND, ERIK, US
[72] ZHANG, ZHIGANG, US
[72] DAVIS, GREGORY D., US
[71] SIGMA-ALDRICH CO. LLC, US
[85] 2022-04-29
[86] 2020-12-17 (PCT/US2020/065654)
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[30] US (62/949,314) 2019-12-17

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[13] A1
[51] **Int.Cl. F01K 13/00 (2006.01)**
[25] EN
[54] **METHOD FOR THE CONVERSION OF THERMAL ENERGY INTO ELECTRICAL ENERGY BASED ON AN ANTICLOCKWISE THERMALLY REGENERATED CYCLE COMBINED WITH THERMAL ACCELERATION, AND THE APPLICATION OF SAM**
[54] **PROCEDE POUR CONVERTIR DE L'ENERGIE THERMIQUE EN ENERGIE ELECTRIQUE SUR LA BASE D'UN CYCLE A REGENERATION THERMIQUE INVERSE COMBINE A UNE ACCELERATION THERMIQUE ET UTILISATION CORRESPONDANT**
[72] HARAZIM, WOLFGANG, DE
[71] DIPLOMAT GESELLSCHAFT ZUR WIRTSCH. RESTRUKTURIERUNG UND WIRTSCHAFTSFORDERUNG MBH, DE
[85] 2022-04-29
[86] 2020-10-22 (PCT/DE2020/000253)
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[30] DE (10 2019 007 886.1) 2019-11-02

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[51] **Int.Cl. A61K 31/7105 (2006.01) A61K 48/00 (2006.01) C12N 15/11 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING A PREMATURE TERMINATION CODON-MEDIATED DISORDER**
[54] **METHODES ET COMPOSITIONS POUR LE TRAITEMENT D'UN TROUBLE MEDIE PAR CODON D'ARRET PREMATURE**
[72] EIMON, PETER M., US
[72] MCFARLAND, SEAN, US
[72] CHEN, YING-HSIN, US
[71] TEVARD BIOSCIENCES, INC., US
[85] 2022-04-29
[86] 2020-10-30 (PCT/US2020/058415)
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[51] **Int.Cl. A62B 27/00 (2006.01) G01N 1/22 (2006.01) G01N 15/06 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DETECTION OF VAPORIZED AEROSOLS**
[54] **SYSTEME ET PROCEDE DE DETECTION D'AEROSOLS VAPORISES**
[72] BISTANY, LOUCINDA, US
[72] HARGETT, WILLIAM, US
[72] MILT, STEPHEN, US
[71] ZEPTIVE, INC., US
[85] 2022-04-29
[86] 2020-11-03 (PCT/US2020/058635)
[87] (WO2021/087495)
[30] US (62/929,888) 2019-11-03
[30] US (62/929,893) 2019-11-03
[30] US (17/001,994) 2020-08-25
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[51] **Int.Cl. C07D 233/46 (2006.01) C07C 251/30 (2006.01) C07D 207/335 (2006.01) C07D 209/14 (2006.01)**
[25] EN
[54] **CHIRAL GUANIDINES, SALTS THEREOF, METHODS OF MAKING CHIRAL GUANIDINES AND SALTS THEREOF, AND USES OF CHIRAL GUANIDINES AND SALTS THEREOF IN THE PREPARATION OF ENANTIOMERICALLY PURE AMINO ACID**
[54] **GUANIDINES CHIRALES, SELS DE CELLES-CI, PROCEDES DE FABRICATION DE GUANIDINES CHIRALES ET DE LEURS SELS, ET UTILISATIONS DE GUANIDINES CHIRALES ET DE LEURS SELS DANS LA PREPARATION D'ACIDES AMINES ENANTIOMERIQUEMENT PUR**
[72] FU, RUI, CA
[72] CHIN, JIK, CA
[72] SO, SOON MOG, CA
[71] FU, RUI, CA
[71] CHIN, JIK, CA
[71] SO, SOON MOG, CA
[85] 2022-04-29
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[87] (WO2021/081677)
[30] GB (1915826.0) 2019-10-31

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[51] **Int.Cl. A61G 7/012 (2006.01)**
[25] EN
[54] **PATIENT SUPPORT WITH LIFT ASSEMBLY**
[54] **SUPPORT DE PATIENT A ENSEMBLE DE LEVAGE**
[72] ST. JOHN, CONNOR FELDPAUSCH, US
[72] CHILDS, WILLIAM DWIGHT, US
[72] BARTLEY, GARY L., US
[71] STRYKER CORPORATION, US
[85] 2022-05-02
[86] 2020-12-10 (PCT/US2020/064212)
[87] (WO2021/126654)
[30] US (62/948,540) 2019-12-16

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[13] A1
[51] **Int.Cl. A61L 2/10 (2006.01)**
[25] EN
[54] **SANITIZING DEVICE**
[54] **DISPOSITIF DE DESINFECTION**
[72] MARTZ, CARRIE, US
[71] CLEAN LIGHT LABORATORIES LLC, US
[85] 2022-05-02
[86] 2019-11-06 (PCT/US2019/060125)
[87] (WO2021/091556)

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 1/19 (2006.01) C12N 15/81 (2006.01)**
[25] EN
[54] **HIGHLY EFFICIENT AND CONTROLLABLE EXPRESSION SYSTEM FOR ENDOGENOUS PIGGYBACKING EXOGENEOUS GENES**
[54] **SYSTEME D'EXPRESSION HAUTEMENT EFFICACE ET REGLABLE POUR GENES EXOGENES SUPERPOSES ENDOGENES**
[72] XU, YUQUAN, CN
[72] YUE, QUN, CN
[72] ZHANG, LIWEN, CN
[71] BIOTECHNOLOGY RESEARCH INSTITUTE, CHINESE ACADEMY OF AGRICULTURAL SCIENCES, CN
[85] 2022-05-02
[86] 2020-06-14 (PCT/CN2020/096010)
[87] (WO2021/088370)
[30] CN (201911072118.4) 2019-11-05

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[13] A1
[51] **Int.Cl. A24D 1/02 (2006.01) A24C 5/60 (2006.01)**
[25] EN
[54] **SMOKING ARTICLE AND METHOD FOR MANUFACTURING A SMOKING ARTICLE**
[54] **ARTICLE A FUMER ET PROCEDE DE FABRICATION D'UN ARTICLE A FUMER**
[72] LICKEFELD, DANIEL, DE
[72] SORIANO, MIGUEL, CH
[71] JT INTERNATIONAL SA, CH
[85] 2022-05-02
[86] 2020-11-25 (PCT/EP2020/083298)
[87] (WO2021/105170)
[30] EP (19212545.8) 2019-11-29

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[13] A1
[51] **Int.Cl. B08B 9/04 (2006.01) E02B 8/02 (2006.01)**
[25] EN
[54] **LIQUID INTAKE WITH REMOVABLE COVER**
[54] **ADMISSION DE LIQUIDE AVEC COUVERCLE AMOVIBLE**
[72] BURGGRAAFF, MAARTEN CORNELIS, US
[71] QUEST INTEGRITY GROUP, LLC, US
[85] 2022-05-02
[86] 2020-11-16 (PCT/US2020/060646)
[87] (WO2021/097392)
[30] US (62/936,086) 2019-11-15

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[13] A1
[51] **Int.Cl. A61K 35/761 (2015.01)**
[25] EN
[54] **REPLICATION-ENHANCED ONCOLYTIC ADENOVIRUSES**
[54] **ADENOVIRUS ONCOLYTIQUES A REPLICATION AMELIOREE**
[72] CANTWELL, MARK J., US
[72] BEG, AMER A., US
[71] MEMGEN, INC., US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE INC., US
[85] 2022-05-02
[86] 2020-11-06 (PCT/US2020/059466)
[87] (WO2021/092427)
[30] US (62/931,282) 2019-11-06

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[13] A1
[51] **Int.Cl. A61B 17/122 (2006.01) A61B 17/128 (2006.01) A61B 17/29 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR APPLYING A HEMOSTATIC CLIP ASSEMBLY**
[54] **DISPOSITIFS ET PROCEDES D'APPLICATION D'UN ENSEMBLE PINCE HEMOSTATIQUE**
[72] SJOSTROM, DOUG, US
[72] BARENBOYM, MICHAEL, US
[72] DAMATO, DANIEL P., US
[71] CONMED CORPORATION, US
[85] 2022-04-29
[86] 2020-11-02 (PCT/US2020/058556)
[87] (WO2021/087464)
[30] US (62/929,187) 2019-11-01

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[13] A1
[51] **Int.Cl. A61K 31/167 (2006.01) A61K 31/17 (2006.01) A61K 31/196 (2006.01)**
[25] EN
[54] **PRODRUGS OF ITACONATE AND METHYL ITACONATE**
[54] **PROMEDICAMENTS D'ITACONATE ET DE METHYL-ITACONATE**
[72] SLUSHER, BARBARA, US
[72] ISLAM, MOHAMEED, US
[72] RAIS, RANA, US
[72] GARZA, LUIS, US
[72] BELL, BENJAMIN, US
[72] MAJER, PAVEL, CZ
[72] TENORA, LUKAS, CZ
[72] SNAJDR, IVAN, CZ
[72] KRECMEROVA, MARCELA, CZ
[71] THE JOHNS HOPKINS UNIVERSITY, US
[71] INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY AS CR V.V.I., CZ
[85] 2022-04-29
[86] 2020-10-29 (PCT/US2020/057912)
[87] (WO2021/087082)
[30] US (62/927, 309) 2019-10-29

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[13] A1
[51] **Int.Cl. G01R 15/06 (2006.01) G01R 15/16 (2006.01)**
[25] EN
[54] **VOLTAGE SENSOR AND VOLTAGE DIVIDING DEVICE**
[54] **CAPTEUR DE TENSION ET DISPOSITIF DE DIVISION DE TENSION**
[72] JUSCHICZ, NORBERT, AT
[72] BACHER, WILLIBALD, AT
[71] GREENWOOD-POWER GMBH, AT
[85] 2022-05-02
[86] 2020-11-04 (PCT/EP2020/080971)
[87] (WO2021/094166)
[30] AT (A50984/2019) 2019-11-14

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[13] A1
[51] **Int.Cl. H01G 9/20 (2006.01) H01L 51/42 (2006.01)**
[25] EN
[54] **A WORKING ELECTRODE FOR A PHOTOVOLTAIC DEVICE, AND A PHOTOVOLTAIC DEVICE INCLUDING THE WORKING ELECTRODE**
[54] **ELECTRODE DE FONCTIONNEMENT POUR DISPOSITIF PHOTOVOLTAIQUE ET DISPOSITIF PHOTOVOLTAIQUE COMPORTANT L'ELECTRODE DE FONCTIONNEMENT**
[72] LINDSTROM, HENRIK, SE
[72] FILI, GIOVANNI, SE
[71] EXEGER OPERATIONS AB, SE
[85] 2022-05-02
[86] 2020-11-25 (PCT/EP2020/083300)
[87] (WO2021/105172)
[30] EP (19211584.8) 2019-11-26

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[13] A1
[51] **Int.Cl. A01D 43/00 (2006.01) A01M 29/34 (2011.01) A01D 75/20 (2006.01)**
[25] EN
[54] **ARRANGEMENT OF EQUIPMENT, WORKING VEHICLE AND METHOD IN PARTICULAR FOR MAINTAINING GREEN AREAS, MOWING, SOIL TILLAGE, OR HARVESTING RAW OR CEREAL CROPS**
[54] **AGENCEMENT D'EQUIPEMENT, VEHICULE DE TRAVAIL ET PROCEDE EN PARTICULIER POUR MAINTENIR DES ZONES VERTES, FAUCHAGE, TRAVAIL DU SOL, OU RECOLTE DE CULTURES BRUTES OU CEREALIERES**
[72] BEUTEL, REINER, DE
[72] REBER, DIETER, DE
[71] FISCHER MASCHINENBAU GMBH & CO. KG, DE
[85] 2022-05-02
[86] 2020-11-06 (PCT/EP2020/081388)
[87] (WO2021/089849)
[30] DE (10 2019 130 271.4) 2019-11-09

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[13] A1
[51] **Int.Cl. A61K 31/551 (2006.01) A61K 9/00 (2006.01) A61K 9/70 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01) A61K 47/12 (2006.01) A61K 47/14 (2017.01) A61K 47/18 (2017.01) A61K 47/20 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01)**
[25] EN
[54] **TREATMENT OF VOMITING AND NAUSEA WITH MINIMUM DOSE OF OLANZAPINE**
[54] **TRAITEMENT DES VOMISSEMENTS ET DE LA NAUSEE AVEC UNE DOSE MINIMALE D'OLANZAPINE**
[72] OLIVER, JAMES, US
[72] PLAKOGIANNIS, FOTIOS, US
[72] LATHER, TAMANNA, US
[72] BOROVINSKAYA, MARINA, US
[72] MODI, NISARG, US
[72] HARTWIG, ROD L., US
[71] STARTON THERAPEUTICS, INC., US
[85] 2022-05-02
[86] 2021-01-13 (PCT/US2021/013272)
[87] (WO2021/146309)
[30] US (62/960,582) 2020-01-13
[30] US (62/960,611) 2020-01-13
[30] US (63/083,759) 2020-09-25
[30] US (63/083,774) 2020-09-25

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[13] A1
[51] **Int.Cl. B66C 11/06 (2006.01) B66C 7/08 (2006.01) B66C 9/02 (2006.01)**
[25] EN
[54] **IMPROVEMENTS RELATING TO RAIL-AND-TROLLEY SYSTEMS**
[54] **PERFECTIONNEMENTS SE RAPPORTANT A DES SYSTEMES DE RAIL ET CHARIOT**
[72] MCFARLANE, TATE, AU
[71] BOMAC ENGINEERING PTY. LTD., AU
[85] 2022-05-02
[86] 2020-10-29 (PCT/AU2020/051171)
[87] (WO2021/081587)
[30] AU (2019904120) 2019-10-31

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[13] A1
[51] **Int.Cl. B62D 55/14 (2006.01) F16C 13/00 (2006.01)**
[25] EN
[54] **TRACK ROLLER WITH REDUCED STIFFNESS**
[54] **GALET DE CHENILLE A RIGIDITE REDUITE**
[72] HAKES, DAVID J., US
[71] CATERPILLAR INC., US
[85] 2022-05-02
[86] 2020-10-28 (PCT/US2020/057590)
[87] (WO2021/096680)
[30] US (16/681,118) 2019-11-12

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[13] A1
[51] **Int.Cl. G06F 21/60 (2013.01) G06F 21/55 (2013.01) G06F 21/62 (2013.01) G06F 21/31 (2013.01)**
[25] EN
[54] **ENHANCED DATA SECURITY AND ACCESS CONTROL USING MACHINE LEARNING**
[54] **SECURITE DE DONNEES ET CONTROLE D'ACCES A CELLES-CI AMELIORES A L'AIDE DE L'APPRENTISSAGE MACHINE**
[72] CHANDRASHEKHAR, UMA, US
[71] ALCON INC., CH
[85] 2022-05-02
[86] 2020-11-24 (PCT/IB2020/061107)
[87] (WO2021/111247)
[30] US (62/943,071) 2019-12-03

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[13] A1
[51] **Int.Cl. H04W 76/10 (2018.01) H04W 76/11 (2018.01)**
[25] EN
[54] **SESSION ESTABLISHMENT METHOD, DATA TRANSMISSION METHOD, AND RELATED APPARATUS**
[54] **PROCEDE D'ETABLISSEMENT DE SESSION, PROCEDE DE TRANSMISSION DE DONNEES ET APPAREILS ASSOCIES**
[72] WANG, JUN, CN
[72] DAI, MINGZENG, CN
[72] ZENG, QINGHAI, CN
[72] PENG, WENJIE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-05-02
[86] 2019-11-06 (PCT/CN2019/116022)
[87] (WO2021/087813)

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[13] A1
[51] **Int.Cl. A61B 17/08 (2006.01) A61B 17/122 (2006.01) A61B 17/128 (2006.01) A61B 17/29 (2006.01)**
[25] EN
[54] **DEVICES AND METHODS FOR APPLYING A HEMOSTATIC CLIP ASSEMBLY**
[54] **DISPOSITIFS ET PROCEDES D'APPLICATION D'UN ENSEMBLE PINCE HEMOSTATIQUE**
[72] BARENBOYM, MICHAEL, US
[72] SJOSTROM, DOUG, US
[72] DAMATO, DANIEL P., US
[71] CONMED, CORPORATION, US
[85] 2022-05-02
[86] 2020-11-02 (PCT/US2020/058553)
[87] (WO2021/087461)
[30] US (62/929,209) 2019-11-01

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[13] A1
[51] **Int.Cl. F16L 33/025 (2006.01)**
[25] EN
[54] **HOSE CLAMP**
[54] **COLLIER DE SERRAGE POUR TUYAUX SOUPLES**
[72] VETTER, ANDREAS, CH
[72] BOSIGER, MAXIME, CH
[72] WIDRIG, MARKUS, CH
[71] OETIKER SCHWEIZ AG, CH
[85] 2022-05-02
[86] 2020-11-16 (PCT/EP2020/082276)
[87] (WO2021/104918)
[30] EP (19211750.5) 2019-11-27

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[13] A1
[51] **Int.Cl. E21B 41/00 (2006.01) E21B 47/13 (2012.01) H02J 7/14 (2006.01) H02K 35/04 (2006.01) H02N 2/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR HARVESTING VIBRATION ENERGY USING A HYBRID DEVICE**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION D'ENERGIE VIBRATOIRE A L'AIDE D'UN DISPOSITIF HYBRIDE**
[72] LU, DAN THO, US
[71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
[85] 2022-05-02
[86] 2020-11-10 (PCT/US2020/059797)
[87] (WO2021/096836)
[30] US (16/681,445) 2019-11-12

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[13] A1
[51] **Int.Cl. C08G 18/28 (2006.01) C09D 7/43 (2018.01) C08G 65/26 (2006.01) C08G 65/331 (2006.01) C08L 71/02 (2006.01) C08L 75/04 (2006.01) C08L 75/08 (2006.01) C09D 5/04 (2006.01) C11D 1/72 (2006.01)**
[25] EN
[54] **HYDROPHOBICALLY MODIFIED ALKYLENE OXIDE POLYMER MIXTURE**
[54] **MELANGE POLYMERE D'OXYDE D'ALKYLENE HYDROPHOBIQUEMENT MODIFIE**
[72] RABASCO, JOHN J., US
[72] SAUCY, DANIEL A., US
[71] ROHM AND HAAS COMPANY, US
[85] 2022-05-02
[86] 2020-10-29 (PCT/US2020/057881)
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[54] **OUTIL DE COUPE POUR COLLIER DE SERRAGE**
[72] BARNES, MICHAEL, US
[72] KRZYZANSKI, JOSEPH, US
[72] BANSA, PATRICE B., US
[71] OETIKER TOOL CORPORATION, US
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[54] **COMPOSITIONS, DEVICES AND KITS FOR SELECTIVE INTERNAL RADIATION THERAPY**
[54] **COMPOSITIONS, DISPOSITIFS ET KITS POUR RADIOTHERAPIE INTERNE SELECTIVE**
[72] D'ARIENZO, MARCO, IT
[72] PAGANELLI, GIOVANNI, IT
[72] AMATO, ANTONINO, IT
[71] BETAGLUE TECHNOLOGIES S.P.A., IT
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[54] **BLOOD PLASMA FRACTIONS FOR USE IN LIVER REGENERATION**
[54] **FRACTIONS DE PLASMA SANGUIN DESTINEES A ETRE UTILISEES DANS LA REGENERATION DU FOIE**
[72] KHEIFETS, VIKTORIA, US
[72] LU, BENSON, US
[71] ALKAHEST, INC., US
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[86] 2020-11-18 (PCT/US2020/061098)
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[54] **PIPELINE ELECTRIC HEATING SYSTEM**
[54] **SYSTEME DE CHAUFFAGE ELECTRIQUE DE CANALISATION**
[72] STRUPINSKIY, MICHAEL, HU
[71] GAMMASWISS SA, CH
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[54] **WIRELESS COMMUNICATION METHOD FOR REGISTRATION PROCEDURE**
[54] **PROCEDE DE COMMUNICATION SANS FIL DESTINE A UNE PROCEDURE D'ENREGISTREMENT**
[72] YOU, SHILIN, CN
[72] CAI, JIYAN, CN
[72] LIU, YUZE, CN
[72] PENG, JIN, CN
[72] YU, WANTAO, CN
[72] LIN, ZHAOJI, CN
[71] ZTE CORPORATION, CN
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[25] EN
[54] **SYSTEMS AND METHODS FOR REMOVING NITROGEN DURING LIQUEFACTION OF NATURAL GAS**
[54] **SYSTEMES ET PROCEDES D'ELIMINATION DE L'AZOTE PENDANT LA LIQUEFACTION DE GAZ NATUREL**
[72] JAMES, WILL T., US
[72] GENTRY, MATTHEW C., US
[72] QUALLS, WESLEY R., US
[71] CONOCOPHILLIPS COMPANY, US
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[54] **ELONGATED ELASTIC SEAM TAPE WITH ELECTRICAL CONDUCTOR**
[54] **BANDE DE COUTURE ELASTIQUE ALLONGEE AVEC CONDUCTEUR ELECTRIQUE**
[72] HIRT, LUCA, CH
[72] STAUFFER, FLURIN, CH
[72] MARTINEZ, VINCENT, CH
[72] WEYDERT, SERGE ALAIN, CH
[71] NANOLEQ AG, CH
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[25] EN
[54] **AN APPARATUS FOR THE MEASUREMENT OF ORE IN MINE HAUL VEHICLES**
[54] **APPAREIL POUR LA MESURE DE MINERAI DANS DES VEHICULES DE TRANSPORT MINIER**
[72] MILJAK, DAVID, AU
[72] YONG, RICHARD, AU
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
[85] 2022-05-02
[86] 2020-12-23 (PCT/AU2020/051419)
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[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING AGING-ASSOCIATED IMPAIRMENTS WITH TREFOIL FACTOR FAMILY MEMBER 2 MODULATORS**
[54] **PROCEDES ET COMPOSITIONS POUR TRAITER DES TROUBLES ASSOCIES AU VIEILLISSEMENT AVEC DES MODULATEURS DE L'ELEMENT DE LA FAMILLE DU FACTEUR TREFOIL 2**
[72] CZIRR, EVA, US
[72] DHANDE, ONKAR S., US
[72] MINAMI, S. SAKURA, US
[72] SZOKE, BALAZS, US
[72] YANG, CINDY FU-JENG, US
[71] ALKAHEST, INC., US
[85] 2022-05-02
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[51] **Int.Cl. G06F 17/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR GENERATING CUE SHEETS**
[54] **SYSTEME ET PROCEDE DE GENERATION DE FEUILLES DE DECOUPAGE**
[72] LIVINGSTONE, RICHARD, US
[72] SWEENEY, GREGORY, US
[71] COMPLETE CUE SHEETS LLC, US
[85] 2022-05-02
[86] 2020-11-25 (PCT/US2020/062171)
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[30] US (62/940,332) 2019-11-26

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[51] **Int.Cl. C08B 1/08 (2006.01) C08H 8/00 (2010.01) C08B 11/14 (2006.01) C08L 1/28 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING CATIONIZED CELLULOSE AND CATIONIZED CELLULOSE**
[54] **PROCEDE DE PRODUCTION DE CELLULOSE CATIONISEE ET CELLULOSE CATIONISEE**
[72] VUORENPALO, VELI-MATTI, FI
[72] AHLGREN, JONNI, FI
[72] HILTUNEN, JAAKKO, FI
[72] PERANDER, ANNA-MAIJA, FI
[72] XU, CHUNLIN, FI
[72] LEHTO, SANNA, FI
[72] AHONEN, EIJA, FI
[72] IKAVALKO, TARJA, FI
[71] KEMIRA OYJ, FI
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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **METHODS OF CANCER TREATMENT USING ANTI-OX40 ANTIBODIES IN COMBINATION WITH ANTI-PD1 OR ANTI-PDL1 ANTIBODIES**
[54] **PROCEDES DE TRAITEMENT DU CANCER UTILISANT DES ANTICORPS ANTI-OX40 EN COMBINAISON AVEC DES ANTICORPS ANTI-PD1 OU ANTI-PDL1**
[72] JIANG, BEIBEI, CN
[72] LIU, YE, CN
[72] SONG, XIAOMIN, CN
[71] BEIGENE, LTD., KY
[85] 2022-05-02
[86] 2020-11-19 (PCT/CN2020/130075)
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[25] EN
[54] **RIG-I INNATE IMMUNE RECEPTOR ANTAGONISTS AND METHODS OF USING SAME**
[54] **ANTAGONISTES DU RECEPTEUR IMMUNITAIRE INNE RIG-I ET LEURS PROCEDES D'UTILISATION**
[72] PYLE, ANNA MARIE, US
[72] RAWLING, DAVID, US
[72] JAGDMANN, G. ERIK, US
[72] POTAPOVA, OLGA, US
[71] YALE UNIVERSITY, US
[85] 2022-05-02
[86] 2020-11-04 (PCT/US2020/058803)
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[51] **Int.Cl. G01D 5/00 (2006.01) G01D 5/26 (2006.01) G01M 11/08 (2006.01) G08C 19/00 (2006.01)**
[25] EN
[54] **METHODS, SYSTEMS, APPARATUSES, AND DEVICES FOR FACILITATING ASSESSMENT OF A PHYSICAL ASSET**
[54] **PROCEDES, SYSTEMES, APPAREILS ET DISPOSITIFS POUR FACILITER L'EVALUATION D'UN ACTIF PHYSIQUE**
[72] SUTHERLAND, GRAHAM STUART, US
[71] CANETIA ANALYTICS, US
[85] 2022-05-02
[86] 2020-11-05 (PCT/IB2020/060438)
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[30] US (62/930,763) 2019-11-05

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[51] **Int.Cl. H04W 52/02 (2009.01) H04W 76/28 (2018.01) H04W 72/04 (2009.01)**
[25] EN
[54] **POWER SAVING SIGNAL MONITORING OCCASIONS CONFIGURATION AND CAPABILITY SIGNALING**
[54] **CONFIGURATION D'OCCASIONS DE SURVEILLANCE DE SIGNAL D'ECONOMIE D'ENERGIE ET SIGNALISATION DE CAPACITE**
[72] MALEKI, SINA, SE
[72] NIMBALKER, AJIT, US
[72] NORY, RAVIKIRAN, US
[72] REIAL, ANDRES, SE
[71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
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[51] **Int.Cl. E21D 21/00 (2006.01)**
[25] EN
[54] **ROCK BOLT ASSEMBLY COMPRISING A SENSOR ASSEMBLY**
[54] **ENSEMBLE BOULON D'ANCRAGE COMPRENANT UN ENSEMBLE CAPTEUR**
[72] VALLATI, OSVALDO, AU
[71] SANDVIK MINING AND CONSTRUCTION TOOLS AB, SE
[71] SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD, AU
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[13] A1
[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **SYSTEM, APPARATUSES, DEVICES, AND METHODS FOR AN ANALYTE DIFFUSIVE IMPLANTABLE DEVICE**
[54] **SYSTEME, APPAREILS, DISPOSITIFS ET METHODES POUR UN DISPOSITIF IMPLANTABLE DE DIFFUSION D'ANALYTE**
[72] KAUPER, KONRAD A., US
[72] MILLS, JOHN F., US
[72] SHERMAN, SANDY, US
[72] NYSTUEN, ARNE M., US
[71] NEUROTECH USA, INC., US
[71] KAUPER, KONRAD A., US
[71] MILLS, JOHN F., US
[71] SHERMAN, SANDY, US
[71] NYSTUEN, ARNE M., US
[85] 2022-05-02
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[87] (WO2021/087481)
[30] US (62/929,619) 2019-11-01
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[51] **Int.Cl. H02G 3/06 (2006.01)**
[25] EN
[54] **BUSHING AND CABLE GLAND INCLUDING BUSHING**
[54] **DOUILLE ET PRESSE-ETOUPE COMPRENANT UNE DOUILLE**
[72] KHOKLE, HIMANSHU, IN
[72] PANDEY, PRINCE KUMAR, IN
[72] MESTRI, GANGADHAR, IN
[72] DESAI, JAYRAM, IN
[72] TARADE, SUJIT PRABHAKAR, IN
[72] CHAVAN, VINAYAK MANOHAR, IN
[72] PATIL, UMAKANT, IN
[71] EATON INTELLIGENT POWER LIMITED, IE
[85] 2022-05-02
[86] 2020-11-05 (PCT/EP2020/025495)
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[30] US (62/931,545) 2019-11-06

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[51] **Int.Cl. H04W 4/02 (2018.01) H04W 4/90 (2018.01) H04W 76/50 (2018.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF LIVE STREAMING EMERGENCY DISPATCH DATA TO FIRST RESPONDERS**
[54] **SYSTEMES ET PROCEDES DE DIFFUSION EN CONTINU EN DIRECT DE DONNEES DE REPARTITION D'URGENCE A DES PREMIERS INTERVENANTS**
[72] REBER, WILLIAM F., US
[72] GARG, RAJESH CHANDRAMOHAN, US
[72] SMITH, SAMUEL HOOD, US
[72] GOODWIN, THOMAS W. III, US
[71] HIGHERGROUND, INC., US
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[30] US (62/935,499) 2019-11-14

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[51] **Int.Cl. C12N 5/071 (2010.01) A61K 35/44 (2015.01) A61P 9/00 (2006.01)**
[25] EN
[54] **METHOD OF ISOLATION OF PURE CULTURE OF VASCULAR ENDOTHELIAL CELLS, MEDIUM FOR MAINTAINING CHARACTERISTICS OF VASCULAR ENDOTHELIAL CELLS, AND CULTURE METHOD INCLUDING SAME**
[54] **PROCEDE D'ISOLEMENT DE CULTURE PURE DE CELLULES ENDOTHELIALES VASCULAIRES, MILIEU DE MAINTIEN DES CARACTERISTIQUES DE CELLULES ENDOTHELIALES VASCULAIRES, ET PROCEDE DE CULTURE LE COMPRENAN**
[72] LEE, SHIN JEONG, KR
[72] YOON, YOUNG SUP, KR
[71] INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, KR
[85] 2022-05-02
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[51] **Int.Cl. H01B 1/04 (2006.01) H01B 1/02 (2006.01) H01B 7/00 (2006.01)**
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[54] **LOW SAG TREE WIRE**
[54] **FIL D'ARBRE A FAIBLE AFFAISSEMENT**
[72] HOLCOMBE, CHARLES L., US
[72] PEARSON, DREW WALLACE, US
[72] SCHLUMBERGER, JOACHIM AXEL, US
[72] KIMBALL, BARRETT M., US
[71] SOUTHWIRE COMPANY LLC, US
[85] 2022-05-02
[86] 2020-10-30 (PCT/US2020/058221)
[87] (WO2021/087265)
[30] US (62/929,516) 2019-11-01

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[51] **Int.Cl. A61K 35/15 (2015.01) C12N 5/0784 (2010.01)**
[25] EN
[54] **COMPOSITIONS FOR REPROGRAMMING CELLS INTO DENDRITIC CELLS TYPE 2 COMPETENT FOR ANTIGEN PRESENTATION, METHODS AND USES THEREOF**
[54] **COMPOSITIONS DESTINEES A LA REPROGRAMMATION DE CELLULES EN CELLULES DENDRITIQUES DE TYPE 2 APPROPRIEES POUR LA PRESENTATION D'ANTIGENE, PROCEDES ET UTILISATIONS ASSOCIES**
[72] RIBEIRO LEMOS PEREIRA, CARLOS FILIPE, PT
[72] FERREIRA, PIRES CRISTIANA, PT
[72] FIUZA, ROSA FABIO, PT
[72] OLIVEIRA, LUIS FILIPE HENRIQUES, PT
[71] ASGARD THERAPEUTICS AB, SE
[85] 2022-05-02
[86] 2020-11-25 (PCT/EP2020/083400)
[87] (WO2021/105234)
[30] PT (115933) 2019-11-25
[30] EP (20190159.2) 2020-08-07

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[51] **Int.Cl. A61B 50/30 (2016.01) A61F 2/00 (2006.01) A01N 1/00 (2006.01)**
[25] EN
[54] **SYSTEM, APPARATUSES, DEVICES, AND METHODS FOR PACKAGING AN ANALYTE DIFFUSIVE IMPLANTABLE DEVICE**
[54] **SYSTEME, APPAREILS, DISPOSITIFS ET PROCEDES D'EMBALLAGE D'UN DISPOSITIF IMPLANTABLE DE DIFFUSION D'ANALYTE**
[72] KAUPER, KONRAD A., US
[72] MILLS, JOHN F., US
[72] SHERMAN, SANDY, US
[72] NYSTUEN, ARNE M., US
[71] NEUROTECH USA, INC., US
[71] KAUPER, KONRAD A., US
[71] MILLS, JOHN F., US
[71] SHERMAN, SANDY, US
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[85] 2022-05-02
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[87] (WO2021/087476)
[30] US (62/929,619) 2019-11-01
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[13] A1
[51] **Int.Cl. A22C 21/04 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR SCALDING SLAUGHTERED POULTRY**
[54] **DISPOSITIF ET PROCEDE D'ECHAUDAGE DE VOLAILLES ABATTUES**
[72] JENSEN, JONAS, DK
[72] NIELSEN, KARSTEN, DK
[72] THORUP, PER, DK
[71] BAADER FOOD SYSTEMS DENMARK A/S, DK
[85] 2022-05-02
[86] 2020-03-06 (PCT/EP2020/056022)
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[51] **Int.Cl. H04W 72/04 (2009.01)**
[25] EN
[54] **RESOURCE CONFIGURATION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE RESSOURCES**
[72] FAN, WEIWEI, CN
[72] ZHANG, JIAYIN, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-05-02
[86] 2019-11-08 (PCT/CN2019/116815)
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[51] **Int.Cl. C22B 3/06 (2006.01) C22B 3/42 (2006.01) C22B 3/44 (2006.01) C22B 59/00 (2006.01)**
[25] EN
[54] **DISSOLUTION PROCESS**
[54] **PROCEDE DE DISSOLUTION**
[72] WATTS, HARRY PHILIP, AU
[72] FISHER, TONYA JEAN, AU
[71] WATTS & FISHER PTY LTD, AU
[85] 2022-05-02
[86] 2020-11-20 (PCT/AU2020/051251)
[87] (WO2021/097527)
[30] AU (2019904403) 2019-11-21

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[51] **Int.Cl. A21D 2/36 (2006.01) A23L 19/00 (2016.01) A21D 13/41 (2017.01) A21D 13/42 (2017.01) A21D 13/44 (2017.01) A21D 13/06 (2017.01)**
[25] EN
[54] **LOW-CARB, POMACE-BASED DOUGH PRODUCT**
[54] **PRODUIT DE PATE A BASE DE MARC A TENEUR REDUITE EN HYDRATES DE CARBONE**
[72] ROTHER, MATTHIAS, DE
[72] POLLAK, LYDIA, DE
[71] HOCHLAND SE, DE
[85] 2022-05-02
[86] 2020-11-04 (PCT/EP2020/080997)
[87] (WO2021/089642)
[30] EP (19206879.9) 2019-11-04

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[51] **Int.Cl. G01N 29/04 (2006.01) G01N 29/28 (2006.01)**
[25] EN
[54] **ULTRASONIC TESTING APPARATUS WITH COUPLANT DELIVERY SYSTEM**
[54] **APPAREIL DE TEST ULTRASONORE DOTE D'UN SYSTEME DE DISTRIBUTION DE COUPLANT**
[72] BRIGNAC, JACQUES L., US
[72] ROWLAND, GEORGE R., US
[72] HART, JR. GLENN G., US
[72] FARVER, BRUCE A.P., US
[71] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2022-05-02
[86] 2020-10-29 (PCT/US2020/057861)
[87] (WO2021/087045)
[30] US (62/929,272) 2019-11-01

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[51] **Int.Cl. C12P 13/02 (2006.01)**
[25] EN
[54] **METHOD OF STORING A BIOCATALYST**
[54] **PROCEDE DE STOCKAGE D'UN BIOCATALYSEUR**
[72] GHISLIERI, DIEGO, DE
[72] OEDMAN, PETER, DE
[72] ZIMMERMANN, TOBIAS JOACHIM, DE
[71] BASF SE, DE
[85] 2022-05-02
[86] 2020-11-04 (PCT/EP2020/080887)
[87] (WO2021/089584)
[30] EP (19207071.2) 2019-11-05

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[13] A1
[51] **Int.Cl. A47J 31/42 (2006.01) A47J 43/046 (2006.01)**
[25] EN
[54] **MACHINE FOR PREPARING JUICES FROM A FROZEN FOOD PREPARTION**
[54] **MACHINE DE PREPARATION DE JUS A PARTIR D'UNE PREPARATION D'ALIMENTS CONGELEE**
[72] ALVES FINO, JOAO JOSE, PT
[71] IFGOOD FZ-LLC, AE
[85] 2022-05-02
[86] 2019-11-21 (PCT/PT2019/050044)
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[54] **ENSEMBLE DETECTEUR ET PROCEDE**
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[72] ALIMAGHAM, FARAH, GB
[72] CARPENTER, KERI, GB
[72] HUTCHINSON, PETER, GB
[71] CAMBRIDGE ENTERPRISES LIMITED, GB
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[54] **OPTIMISEUR DE CHAINE D'APPROVISIONNEMENT INTELLIGENT ORCHESTRE**
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[72] EVANS, DAVID MICHAEL, GB
[71] OII, INC., US
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[54] **FORMATION PARALLELE EN PROFONDEUR DE RESEAUX NEURONAUX**
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[72] PATRAUCEAN, VIORICA, GB
[72] SWIRSZCZ, GRZEGORZ MICHAL, GB
[72] CARREIRA, JOAO, GB
[71] DEEPMIND TECHNOLOGIES LIMITED, GB
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[54] **ENDOPROTHESES AYANT DES ELEMENTS SAILLANTS POUR ANCRAGE**
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[72] RIZK, ISA, US
[72] MUSTAPHA, JIHAD ALI, US
[72] JIMENEZ, TEODORO S., US
[71] REFLOW MEDICAL, INC., US
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[54] **ROCK DRILLING UNIT AND METHOD FOR CHARGING DRILLED HOLES**
[54] **UNITE DE FORAGE DE ROCHE ET PROCEDE DE CHARGEMENT DE TROUS FORES**
[72] POURCENOUX, JEROME, FR
[72] BARRAUD, REMY, FR
[72] CHAVAND, SYLVAIN, FR
[72] DEMIA, LAURENT, FR
[71] SANDVIK MINING AND CONSTRUCTION OY, FI
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[54] **ROTOR DE MACHINE ELECTRIQUE TOURNANTE**
[72] SUZUKI, FUMINORI, JP
[72] SEKI, NAOKI, JP
[71] IHI CORPORATION, JP
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[54] **INTERCONNEXION QUADRAX DE PAIRE ISOLEE**
[72] JOHANNES, RICHARD A., US
[72] MITCHELL, TREVOR LEE, US
[72] WOJCIECHOWSKI, KONRAD K., US
[72] BOZZO, MAXIMILIANO, IT
[71] SMITHS INTERCONNECT AMERICAS, INC., US
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[54] **STORM DRAIN FILTER SYSTEM AND METHOD.**
[54] **SYSTEME ET PROCEDE DE FILTRE DE COLLECTEUR D'EAUX PLUVIALES**
[72] LATOUR, ALEXANDRE, CA
[71] EQUIPE LAURENCE INC., CA
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[54] **METHODS AND SYSTEMS FOR DISPLAYING ASSOCIATIONS AND TIMELINES OF MEDICAL STUDIES**
[54] **PROCEDES ET SYSTEMES POUR AFFICHER DES ASSOCIATIONS ET DES CHRONOLOGIES D'ETUDES MEDICALES**
[72] COHEE, JEFFREY, US
[71] FUJIFILM MEDICAL SYSTEMS U.S.A., INC., US
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[54] **INFUSION SYSTEM, ROTOR MODULE FOR USE IN SUCH INFUSION SYSTEM, AND METHOD FOR DETERMINING A FLOW RATE OF AN INFUSION FLUID IN SUCH AN INFUSION SYSTEM**
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[72] FIEGE, MICHAEL, DE
[71] B. BRAUN MELSUNGEN AG, DE
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[54] **METHODS, COMPUTER-READABLE MEDIUMS, AND SYSTEMS FOR CREATING, ORGANIZING, VIEWING AND CONNECTING ANNOTATIONS OF DOCUMENTS WITHIN WEB BROWSERS**
[54] **PROCEDES, CRM ET SYSTEMES DE CREATION, D'ORGANISATION, DE VISUALISATION ET DE LIAISON D'ANNOTATIONS**
[72] PINNAMANENI, SUNIL, US
[72] SFAKIANAKIS, RONA, US
[71] PINNAMANENI, SUNIL, US
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[54] **FLAT-BED COMPOSITE ROWING BOAT WITH BALANCING DEVICE**
[54] **BATEAU A AVIRONS DE TYPE PLAT DOTE D'UN DISPOSITIF D'EQUILIBRAGE**
[72] LUO, ENHAO, CN
[71] HANGZHOU YOUKAI BOAT CO., LTD, CN
[85] 2022-05-02
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[54] **DEVICE AND METHOD FOR CONVEYING PRODUCTS**
[54] **DISPOSITIF ET PROCEDE DE CONVOYAGE DE PRODUITS**
[72] HENNINGER, RAPHAEL, FR
[71] SIDEL PARTICIPATIONS S.A.S., FR
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[25] FR
[54] **MOBILE POINT DEVICE FOR SENSING A HIGH-PRESSURE WATERJET COMING OUT OF A NOZZLE OF A CUTTING MACHINE**
[54] **DISPOSITIF PONCTUEL MOBILE POUR CAPTER UN JET D'EAU A HAUTE PRESSION SORTANT D'UNE BUSE D'UNE MACHINE DE DECOUPE**
[72] DEREIMS, PHILIPPE, FR
[71] HYDROPROCESS, FR
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[25] EN
[54] **LIFT VEST WITH WEBBING TO REDUCE OR ELIMINATE VERTICAL SLIDING**
[54] **GILET DE LEVAGE AVEC SANGLE POUR REDUIRE OU ELIMINER LE GLISSEMENT VERTICAL**
[72] COHEN, JAMES S., US
[71] COHEN, JAMES S., US
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[54] **SALT FORM AND CRYSTAL FORM OF MUTANT IDH1 INHIBITOR AND PREPARATION METHOD THEREFOR**
[54] **FORME SALINE ET FORME CRISTALLINE D'UN COMPOSE UTILISE EN TANT QU'INHIBITEUR DE IDH1 MUTANT ET PROCEDE DE PREPARATION ASSOCIE**
[72] CAI, YAXIAN, CN
[72] YUE, BAO, CN
[72] YU, PENG, CN
[72] WEI, CHANGQING, CN
[72] QIAN, WENYUAN, CN
[71] KPC PHARMACEUTICALS, INC., CN
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[51] **Int.Cl. H04L 12/66 (2006.01) H04L 45/74 (2022.01)**
[25] EN
[54] **NETWORK SERVICE PROCESSING METHOD, SYSTEM, AND GATEWAY DEVICE**
[54] **PROCEDE ET SYSTEME PERMETTANT DE TRAITER UN SERVICE DE RESEAU, ET DISPOSITIF DE PASSERELLE**
[72] JIANG, WU, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
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[25] EN
[54] **FILL SHEETS AND RELATED FILL PACK ASSEMBLIES**
[54] **FEUILLES DE REMPLISSAGE ET ENSEMBLES DE SUPPORTS DE REMPLISSAGE ASSOCIES**
[72] EDWARDS, BRIAN, US
[72] BHAT, ADITYA, US
[72] KULICK, FRANK M., III, US
[71] BRENTWOOD INDUSTRIES, INC., US
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[54] **ELECTRIC RESISTANCE WELDED STEEL PIPE AND METHOD FOR MANUFACTURING THE SAME**
[54] **TUYAU EN ACIER SOUDE PAR RESISTANCE ELECTRIQUE, ET PROCEDE DE FABRICATION DE CELUI-CI**
[72] MATSUMOTO, ATSUSHI, JP
[72] NAKAZAWA, RYO, JP
[72] YASUDA, JUN, JP
[72] URAHATA, EIICHI, JP
[71] JFE STEEL CORPORATION, JP
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[54] **METHODS OF CANCER TREATMENT USING ANTI-OX40 ANTIBODIES IN COMBINATION WITH ANTI-TIGIT ANTIBODIES**
[54] **PROCEDES DE TRAITEMENT DU CANCER UTILISANT DES ANTICORPS ANTI-OX40 EN COMBINAISON AVEC DES ANTICORPS ANTI-TIGIT**
[72] JIANG, BEIBEI, CN
[72] LIU, YE, CN
[72] SONG, XIAOMIN, CN
[71] BEIGENE, LTD., KY
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[54] **METHOD FOR WIRELESS CHANNEL REFERENCE SIGNAL TRANSMISSION AND CHANNEL STATE INFORMATION FEEDBACK**
[54] **PROCEDE DE TRANSMISSION DE SIGNAL DE REFERENCE DE CANAL SANS FIL ET RETROACTION D'INFORMATIONS D'ETAT DE CANAL**
[72] WU, HAO, CN
[72] LI, YONG, CN
[72] ZHENG, GUOZENG, CN
[72] LU, ZHAOHUA, CN
[72] LI, YU NGOK, CN
[71] ZTE CORPORATION, CN
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[25] EN
[54] **HUMANIZED ANTI-CA IX ANTIBODIES AND METHODS OF THEIR USE**
[54] **ANTICORPS ANTI-CA IX HUMANISES ET LEURS PROCEDES D'UTILISATION**
[72] ZATOVICOVA, MIRIAM, SK
[72] PASTOREKOVA, SILVIA, SK
[72] TAKACOVA, MARTINA, SK
[72] BARATHOVA, MONIKA, SK
[72] PASTOREK, JAROMIR, SK
[71] MABPRO A.S., SK
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[51] **Int.Cl. B66C 1/02 (2006.01)**
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[54] **REMOVABLY DETACHABLE, MODULAR POWER PACK FOR A VACUUM PAD LIFTER**
[54] **BLOC D'ALIMENTATION MODULAIRE DETACHABLE DE MANIERE AMOVIBLE POUR UN DISPOSITIF DE LEVAGE DE TAMPON A VIDE**
[72] SOLOMON, WILLIAM J., US
[72] GUEVARA, LUIS, AU
[72] SPARKS, KEITH A., II, US
[71] VACUWORX GLOBAL, LLC, US
[85] 2022-05-03
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[25] EN
[54] **AUTOMATED CONTROL OF MULTI-PROCESS USING ROBOTIC EQUIPMENT FOR COMPLEX WORKFLOWS**
[54] **COMMANDE AUTOMATISEE DE PROCESSUS MULTIPLES UTILISANT UN EQUIPEMENT ROBOTISE POUR DES FLUX COMPLEXES DE TRAVAUX**
[72] DAMBMAN, JONATHAN D., US
[72] MCCOY, COREY, US
[72] ST YVES, ANDREW, GB
[72] HENRY, PRABHAKAR, US
[72] BERG, WILLIAM, US
[71] BIOSERO INC., US
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[51] **Int.Cl. B67D 1/00 (2006.01) B67D 1/08 (2006.01)**
[25] EN
[54] **BEVERAGE DISPENSING CONDUIT REDUCING MICROBIAL BACKFLOW**
[54] **CONDUIT DE DISTRIBUTION DE BOISSON REDUISANT LE REFLUX MICROBIEN**
[72] QUATAERT, CARINE GODEFRIDA MARIA, NL
[72] ZEEGERS, PETRONELLA JOANNA, NL
[72] WIGMAN, PETER HENRI SAMUEL, NL
[72] ZIGMANS, JOHANN ANTONIUS GERARDUS WILHELMUS, NL
[71] HEINEKEN SUPPLY CHAIN B.V., NL
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[25] EN
[54] **LOAD LEVELING POWER STORAGE SYSTEM FOR ELECTRIC HYDRAULIC FRACTURING**
[54] **SYSTEME DE STOCKAGE D'ENERGIE A MISE A NIVEAU DE CHARGE POUR FRACTURATION HYDRAULIQUE ELECTRIQUE**
[72] HINDERLITER, BRANDON, US
[72] OEHRING, JARED, US
[72] RILEY, STEVEN, US
[71] U.S. WELL SERVICES, LLC, US
[85] 2022-05-03
[86] 2020-11-04 (PCT/US2020/058899)
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[51] **Int.Cl. E21B 43/26 (2006.01)**
[25] EN
[54] **COMPACT ELECTRIC HYDRAULIC FRACTURING TRAILER**
[54] **REMORQUE DE FRACTURATION HYDRAULIQUE ELECTRIQUE COMPACTE**
[72] OEHRING, JARED, US
[72] ROBINSON, LON, US
[72] HINDERLITER, BRANDON, US
[71] U.S. WELL SERVICES, LLC, US
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[86] 2020-11-04 (PCT/US2020/058906)
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[54] **ELECTROPORATION MODULES AND INSTRUMENTATION**
[54] **MODULES D'ELECTROPORATION ET INSTRUMENTATION**
[72] SILTANEN, CHRISTIAN, US
[72] BASILA, MEGAN, US
[71] INSCRIPTA, INC., US
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[51] **Int.Cl. G06K 9/62 (2022.01)**
[25] FR
[54] **METHOD FOR CATEGORIZING A ROCK ON THE BASIS OF AT LEAST ONE IMAGE**
[54] **PROCEDE DE CATEGORISATION D'UNE ROCHE A PARTIR D'AU MOINS UNE IMAGE**
[72] BOUZIAT, ANTOINE, FR
[72] LECOMTE, JEAN-CLAUDE, FR
[72] DIVIES, RENAUD, FR
[72] DESROZIERS, SYLVAIN, FR
[72] CAYROL, ARNAUD, FR
[71] IFP ENERGIES NOUVELLES, FR
[85] 2022-05-03
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[30] FR (FR1914253) 2019-12-12

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[51] **Int.Cl. H02G 1/12 (2006.01)**
[25] FR
[54] **DEVICE FOR SEPARATING THE CORE AND THE SHEATH OF A CABLE AND METHOD FOR SEPARATING THE CORE AND THE SHEATH OF A CABLE**
[54] **DISPOSITIF POUR SEPARER L'AME ET LA GAINE D'UN CABLE ET PROCEDE DE SEPARATION DE L'AME ET LA GAINE D'UN CABLE**
[72] BOSIA, BENJAMIN, FR
[72] MARGUERITTE, LAURENT, FR
[72] ROOS, REMI, FR
[71] A3I, FR
[71] AGENCE NATIONALE POUR LA GESTION DES DECHETS RADIOACTIFS, FR
[71] MTB MANUFACTURING, FR
[71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
[85] 2022-05-03
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[87] (WO2021/074175)
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[51] **Int.Cl. F04B 37/14 (2006.01) F04B 41/06 (2006.01)**
[25] EN
[54] **REDUNDANT PUMPING SYSTEM AND PUMPING METHOD BY MEANS OF THIS PUMPING SYSTEM**
[54] **SYSTEME DE POMPAGE REDONDANT ET PROCEDE DE POMPAGE A L'AIDE DE CE SYSTEME DE POMPAGE**
[72] ALERS, PAUL, CH
[72] KIM, JEIHONG, KR
[72] LARCHER, JEAN-ERIC, FR
[71] ATELIERS BUSCH SA, CH
[85] 2022-05-03
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[51] **Int.Cl. B21D 37/16 (2006.01) B21D 37/08 (2006.01)**
[25] EN
[54] **HOT STAMP TOOLING ASSEMBLY AND METHOD OF FORMING A PART WITH TAILORED TEMPER PROPERTIES**
[54] **ENSEMBLE D'OUTILLAGE D'ESTAMPAGE A CHAUD ET PROCEDE DE FORMATION D'UNE PIECE PRESENTANT DES PROPRIETES DE TREMPE ADAPTEES**
[72] KAUFHOLD, STEPHAN, DE
[72] LERCH, JOERG, DE
[71] MAGNA INTERNATIONAL INC., CA
[85] 2022-05-03
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[87] (WO2021/102573)
[30] US (62/940,809) 2019-11-26

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[54] **NOVEL ENZYMES**
[54] **NOUVELLES ENZYMES**
[72] KIM, JUHAN, US
[72] MIJTS, BENJAMIN, US
[72] MIR, AAMIR, US
[72] GARST, ANDREW, US
[72] SEAMON, KYLE, US
[71] INSCRIPTA, INC., US
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[25] EN
[54] **TRANSMISSION CHANNEL CONFIGURATION METHOD AND APPARATUS, TRANSMISSION CHANNEL SENDING METHOD AND APPARATUS, DEVICE AND STORAGE MEDIUM**
[54] **PROCEDE ET APPAREIL DE CONFIGURATION DE CANAL DE TRANSMISSION, PROCEDE ET APPAREIL D'EMISSION DE CANAL DE TRANSMISSION, DISPOSITIF ET SUPPORT DE STOCKAGE**
[72] LI, XINCAI, CN
[72] ZHAO, YAJUN, CN
[71] ZTE CORPORATION, CN
[85] 2022-05-03
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[25] EN
[54] **POSITIONING AND ODOMETRY SYSTEM**
[54] **SYSTEME DE POSITIONNEMENT ET D'ODOMETRIE**
[72] GREEN, ALON, CA
[72] TOBIN, JAMES KEVIN, CA
[72] DE THOMASIS, MARCO, CA
[71] THALES CANADA INC., CA
[85] 2022-05-03
[86] 2020-12-08 (PCT/IB2020/061653)
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[25] EN
[54] **STATIONARY STATUS RESOLUTION SYSTEM**
[54] **SYSTEME DE RESOLUTION D'ETAT STATIONNAIRE**
[72] HELWA, MOHAMED, CA
[72] SIDDIQUI, MOHAMMAD SHARIF, CA
[72] MARIN, VERONICA, CA
[71] THALES CANADA INC., CA
[85] 2022-05-03
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[54] **VESSEL CLOSURE SEAL AND VESSEL CLOSURE**
[54] **JOINT DE FERMETURE DE RECIPIENT ET FERMETURE DE RECIPIENT**
[72] MANGEL, DANY, DE
[71] ACTEGA DS GMBH, DE
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[54] **PERFORMING TRANSACTIONS USING PRIVATE AND PUBLIC BLOCKCHAINS**
[54] **REALISATION DE TRANSACTIONS A L'AIDE DE CHAINES DE BLOCS PRIVEES ET PUBLIQUES**
[72] GORBUNOV, SERGEY, US
[72] MICALI, SILVIO, US
[72] HERLIHY, MAURICE, US
[71] ALGORAND. INC, US
[85] 2022-05-03
[86] 2020-11-06 (PCT/US2020/059473)
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[25] EN
[54] **DYNAMIC MANDIBULAR AND LINGUAL REPOSITIONING DEVICES, CONTROLLER STATION, AND METHODS OF TREATING AND/OR DIAGNOSING MEDICAL DISORDERS**
[54] **DISPOSITIFS DE REPOSITIONNEMENT MANDIBULAIRE ET LINGUAL DYNAMIQUES, POSTE DE COMMANDE, ET PROCEDES DE TRAITEMENT ET/OU DE DIAGNOSTIC DE TROUBLES MEDICAUX**
[72] GHUGE, RAGHAVENDRA VITTHALRAO, US
[71] GHUGE, RAGHAVENDRA VITTHALRAO, US
[85] 2022-05-03
[86] 2020-11-14 (PCT/US2020/060625)
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[30] US (62/936,032) 2019-11-15
[30] US (16/784,730) 2020-02-07
[30] US (16/784,750) 2020-02-07
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[25] EN
[54] **BLUE LASER METAL ADDITIVE MANUFACTURING SYSTEM**
[54] **SYSTEME DE FABRICATION ADDITIVE METALLIQUE UTILISANT UN LASER BLEU**
[72] ZEDIKER, MARK, US
[71] NUBURU, INC., US
[85] 2022-05-03
[86] 2020-11-06 (PCT/US2020/059525)
[87] (WO2021/092475)
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[25] EN
[54] **METHOD AND SYSTEM FOR HIGH INTEGRITY CAN BUS TRAFFIC SUPERVISION IN SAFETY CRITICAL APPLICATION**
[54] **PROCEDE ET SYSTEME DE SUPERVISION DE TRAFIC DE BUS CAN A INTEGRITE ELEVEE DANS UNE APPLICATION CRITIQUE DE SECURITE**
[72] GREEN, ALON, CA
[72] KANNER, ABE, CA
[72] LUNGU, MIHAI, CA
[71] THALES CANADA INC., CA
[85] 2022-05-03
[86] 2020-12-08 (PCT/IB2020/061663)
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[54] **DISTRIBUTING SERVICE INFORMATION**
[54] **DISTRIBUTION D'INFORMATIONS DE SERVICE**
[72] DE LA OLIVA, ANTONIO, ES
[72] GAZDA, ROBERT, US
[71] INTERDIGITAL PATENT HOLDINGS, INC., US
[85] 2022-05-03
[86] 2020-11-06 (PCT/US2020/059515)
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[25] EN
[54] **DEEP-LAYER REMINERALIZATION OF HYDROXYLAPATITE**
[54] **REMINERALISATION DE L'HYDROXYLAPATITE DANS LA COUCHE PROFONDE**
[72] ENAX, JOACHIM, DE
[72] MEYER, FREDERIC, DE
[72] SCHULZE ZUR WIESCHE, ERIK, DE
[71] DR. KURT WOLFF GMBH & CO. KG, DE
[85] 2022-05-03
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[25] EN
[54] **FILTER PULSATION DAMPENING DEVICE**
[54] **DISPOSITIF D'AMORTISSEMENT DE PULSATION DE FILTRE**
[72] RIES, JEFFREY R., US
[72] IMMEL, JON T., US
[72] RODRIGUEZ, JAVIER A., US
[71] CATERPILLAR INC., US
[85] 2022-05-03
[86] 2020-10-28 (PCT/US2020/057593)
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[30] US (16/682,378) 2019-11-13

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[51] **Int.Cl. H04W 24/02 (2009.01)**
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[54] **SOFTWARE OPTIMIZATION OF FLEXIBLE WIRELESS NETWORKING SYSTEM**
[54] **OPTIMISATION LOGICIELLE DE SYSTEME DE RESEAU SANS FIL FLEXIBLE**
[72] EPSTEIN, JOSEPH ALAN, US
[71] OMNIFI INC., US
[85] 2022-05-03
[86] 2020-11-04 (PCT/US2020/058890)
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[25] EN
[54] **FILTER DAMPENING DEVICE FOR PRESSURE PULSATION**
[54] **DISPOSITIF D'AMORTISSEMENT DE FILTRE POUR PULSATION DE PRESSION**
[72] RIES, JEFFREY R., US
[72] IMMEL, JON T., US
[72] RODRIGUEZ, JAVIER A., US
[71] CATERPILLAR INC., US
[85] 2022-05-03
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[25] EN
[54] **COMPOSITIONS OF CLOFAZIMINE, COMBINATIONS COMPRISING THEM, PROCESSES FOR THEIR PREPARATION, USES AND METHODS OF TREATMENT COMPRISING THEM**
[54] **COMPOSITIONS DE CLOFAZIMINE, COMBINAISONS LES COMPRENANT, LEURS PROCEDES DE PREPARATION, LEURS UTILISATIONS ET PROCEDES DE TRAITEMENT LES COMPRENANT**
[72] HOFMANN, THOMAS, US
[72] UFER, STEFAN, US
[72] STAPLETON, KEVIN, US
[71] MANNKIND CORPORATION, US
[85] 2022-05-03
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[25] EN
[54] **METAL PACKAGING POWDER COATING COMPOSITIONS, COATED METAL SUBSTRATES, AND METHODS**
[54] **COMPOSITIONS DE REVETEMENT EN POUDRE D'EMBALLAGE METALLIQUE, SUBSTRATS METALLIQUES REVETUS ET PROCEDES**
[72] JOSLIN, RICHARD D., US
[72] SKILLMAN, CHARLES I., US
[72] DESOUSA, JOSEPH, US
[71] SWIMC LLC, US
[85] 2022-05-03
[86] 2020-11-13 (PCT/US2020/060538)
[87] (WO2021/097308)
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[54] **COMBINATION THERAPY FOR CANCER**
[54] **POLYTHERAPIE CONTRE LE CANCER**
[72] ABRAMS, SCOTT I., US
[72] COLLIGAN, SEAN H., US
[71] HEALTH RESEARCH, INC., US
[85] 2022-05-03
[86] 2020-11-05 (PCT/US2020/059131)
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[51] **Int.Cl. A61K 8/14 (2006.01) A61K 8/22 (2006.01) A61K 8/24 (2006.01) A61K 8/55 (2006.01) A61Q 11/02 (2006.01)**
[25] EN
[54] **TOOTH WHITENING COMPOSITION**
[54] **COMPOSITION DE BLANCHIMENT DES DENTS**
[72] VALIENTE MALMAGRO, MANUEL, ES
[72] SANCHEZ MARTIN, MARIA JESUS, ES
[72] BABOT MARQUILLAS, CLARA, ES
[72] RODRIGUEZ MARTINEZ, JORGE, ES
[71] UNIVERSITAT AUTONOMA DE BARCELONA, ES
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[54] **RETAINER SLEEVE DESIGN WITH EXTERNAL RIBS OR WITH AN ANTI-ROTATIONAL FEATURE**
[54] **CONCEPTION DE MANCHON DE RETENUE A NERVURES EXTERNES OU A ELEMENT ANTI-ROTATION**
[72] SERRURIER, DOUGLAS C., US
[72] SINN, ERIC T., US
[72] JURA, JASON GRANT, US
[71] CATERPILLAR INC., US
[85] 2022-05-03
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[51] **Int.Cl. G06F 3/0481 (2022.01) G06F 8/38 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DELIVERING MODULAR TOOLS**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION D'OUTILS MODULAIRES**
[72] HIGHMAN, CHRISTOPHER CARL, US
[72] DUKE, KYLE, US
[72] KIM, GUYSUNG, US
[72] LUJA, ARMANDO, US
[72] WELDY, MICHAEL J., US
[72] WIEGAND, KEVIN, US
[71] GREENEDEN U.S. HOLDINGS II, LLC, US
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[51] **Int.Cl. G01D 5/14 (2006.01) F16K 37/00 (2006.01) G01D 21/00 (2006.01) G01P 3/481 (2006.01)**
[25] EN
[54] **ELECTRIC VALVE ACTUATOR WITH ENERGY-HARVESTING POSITION DETECTOR ASSEMBLIES**
[54] **ACTIONNEUR DE SOUPAPE ELECTRIQUE AVEC ENSEMBLES DETECTEURS DE POSITION A RECUPERATION D'ENERGIE**
[72] LARSEN, MAGDALENA S., US
[71] EMERSON PROCESS MANAGEMENT VALVE AUTOMATION, INC., US
[85] 2022-05-03
[86] 2020-10-14 (PCT/US2020/055455)
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[51] **Int.Cl. A61B 1/00 (2006.01) A61B 1/12 (2006.01)**
[25] EN
[54] **CLEANING DEVICE FOR SURGICAL TOOL**
[54] **DISPOSITIF DE NETTOYAGE POUR OUTIL CHIRURGICAL**
[72] ANKI, AHMAD NABEEL, KW
[72] AL SABAH, SALMAN KHALIFAH, KW
[71] GULF MEDICAL TECHNOLOGIES, KW
[85] 2022-05-03
[86] 2020-11-04 (PCT/IB2020/060396)
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[51] **Int.Cl. F04D 17/16 (2006.01) F04D 29/44 (2006.01) F04D 29/66 (2006.01) F24C 15/20 (2006.01)**
[25] EN
[54] **GUIDING MECHANISM, CENTRIFUGAL FAN THEREOF, AND RANGE HOOD THEREOF**
[54] **DISPOSITIF DE GUIDAGE D'ECOULEMENT, VENTILATEUR CENTRIFUGE UTILISANT LE ET HOTTE DE CUISINE**
[72] LEI, GAI, CN
[71] NINGBO FOTILE KITCHEN WARE CO., LTD., CN
[85] 2022-05-03
[86] 2020-10-29 (PCT/CN2020/124783)
[87] (WO2022/077586)
[30] CN (202011091494.0) 2020-10-13

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[13] A1
[51] **Int.Cl. F04D 29/28 (2006.01) F04D 29/42 (2006.01) F24C 15/20 (2006.01)**
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[54] **RANGE HOOD**
[54] **HOTTE ASPIRANTE**
[72] JIANG, YI, CN
[72] XU, ZHINENG, CN
[72] LEI, GAI, CN
[72] SHI, LEI, CN
[72] GOU, WENBO, CN
[71] NINGBO FOTILE KITCHEN WARE CO., LTD., CN
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[86] 2020-10-30 (PCT/CN2020/125217)
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[51] **Int.Cl. D21H 17/29 (2006.01) D21H 17/37 (2006.01) D21H 21/18 (2006.01)**
[25] EN
[54] **COMPOSITION AND ITS USE FOR USE IN MANUFACTURE OF PAPER, BOARD OR THE LIKE**
[54] **COMPOSITION ET SON UTILISATION POUR LA FABRICATION DE PAPIER, DE CARTON OU ANALOGUE**
[72] HIETANIEMI, MATTI, FI
[72] KARPPI, ASKO, FI
[71] KEMIRA OYJ, FI
[85] 2022-05-03
[86] 2020-12-18 (PCT/FI2020/050855)
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[54] **PORTABLE SENSOR SYSTEM**
[54] **SYSTEME CAPTEUR PORTABLE**
[72] KASINEC, ALEXANDER THOMAS, DE
[72] MOAKES, ANDREW CHARLES, DE
[72] SMITH III, AMOS LAMAR, DE
[71] EVITADO TECHNOLOGIES GMBH, DE
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[86] 2020-11-03 (PCT/EP2020/080839)
[87] (WO2021/089561)
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[25] FR
[54] **SYSTEM FOR DETECTING ONE OR MORE MARINE MAMMALS AND CORRESPONDING DETECTION METHOD**
[54] **SYSTEME DE DETECTION D'UN OU PLUSIEURS MAMMIFERES MARINS ET PROCEDE DE DETECTION CORRESPONDANT**
[72] L'HER, CHRISTOPHE, FR
[71] SERCEL, FR
[85] 2022-05-03
[86] 2020-12-04 (PCT/FR2020/052284)
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[30] FR (FR1913810) 2019-12-05

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[51] **Int.Cl. C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **CASCADE/DCAS3 COMPLEMENTATION ASSAYS FOR IN VIVO DETECTION OF NUCLEIC ACID-GUIDED NUCLEASE EDITED CELLS**
[54] **DOSAGES DE COMPLEMENTATION EN CASCADE/DCAS3 POUR LA DETECTION IN VIVO DE CELLULES MODIFIEES PAR UNE NUCLEASE GUIDEE PAR UN ACIDE NUCLEIQUE**
[72] MIR, AAMIR, US
[72] GARST, ANDREW, US
[72] FEDEROWICZ, STEPHEN, US
[72] SEAMON, KYLE, US
[71] INSCRIPTA, INC., US
[85] 2022-05-03
[86] 2020-12-15 (PCT/US2020/065168)
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[51] **Int.Cl. B01D 3/10 (2006.01) C11B 9/02 (2006.01)**
[25] EN
[54] **PUMPLESS SYSTEM FOR EXTRACTION OF ESSENTIAL OILS USING HIGH DENSITY EXTRACTION LIQUID**
[54] **SYSTEME SANS POMPE POUR L'EXTRACTION D'HUILES ESSENTIELLES A L'AIDE D'UN LIQUIDE D'EXTRACTION A HAUTE DENSITE**
[72] MIZERA, TOBIAS, CA
[71] ALECTRONIX INC., CA
[85] 2022-05-03
[86] 2020-11-08 (PCT/US2020/059589)
[87] (WO2021/101738)
[30] US (62/937,783) 2019-11-19

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[51] **Int.Cl. A42B 3/04 (2006.01) A42B 3/00 (2006.01) A42C 1/02 (2006.01) A42C 2/00 (2006.01)**
[25] EN
[54] **MANUFACTURING METHOD OF A BODY PROTECTION AND RESULTING BODY PROTECTION**
[54] **PROCEDE DE FABRICATION D'UNE PROTECTION CORPORELLE ET PROTECTION CORPORELLE AINSI OBTENUE**
[72] CADENS BALLARIN, JAVIER, ES
[72] MATEU CODINA, XAVIER, ES
[71] MAT PRODUCT & TECHNOLOGY, SL, ES
[85] 2022-05-03
[86] 2020-11-03 (PCT/ES2020/070673)
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[51] **Int.Cl. A61C 13/00 (2006.01) A61C 13/09 (2006.01)**
[25] EN
[54] **METHOD FOR DEFINING AT LEAST ONE BOUNDARY SURFACE INSIDE AN ARTIFICIAL TOOTH ELEMENT**
[54] **PROCEDE DE DEFINITION D'AU MOINS UNE SURFACE LIMITE A L'INTERIEUR D'UN ELEMENT DE DENT ARTIFICIELLE**
[72] KIRSTEN, ARMIN, DE
[72] VAHLE, ANNIKA, DE
[71] VITA ZAHNFABRIK H. RAUTER GMBH & CO. KG, DE
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[54] **NOUVELLES NUCLEASES MAD**
[72] MIR, AAMIR, US
[72] GARST, ANDREW, US
[72] SEAMON, KYLE, US
[72] MIJTS, BENJAMIN, US
[72] KIM, JUHAN, US
[71] INSCRIPTA, INC., US
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[54] **USER NOTIFICATION FOR DIGITAL CONTENT ACCESS SYSTEMS PER MUTABLE OR FIXED SELECTION CRITERIA**
[54] **NOTIFICATION D'UTILISATEUR POUR DES SYSTEMES D'ACCES A UN CONTENU NUMERIQUE PAR DES CRITERES DE SELECTION MUTABLES OU FIXES**
[72] PRINTZ, HARRY WILLIAM, US
[72] SIMPSON, JASON, US
[72] MCCANE, RHYS, US
[71] PROMPTU SYSTEMS CORPORATION, US
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[54] **SALIVA COLLECTION AND TESTING SYSTEM**
[54] **PRELEVEMENT DE SALIVE ET SYSTEME DE TEST**
[72] MENON, RENJITH, US
[72] PHAN, LOC, US
[72] GARCIA, NICHOLE, US
[71] SMYLIO INC., US
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[54] **A METHOD OF MANAGEMENT OF REMOTE OPERATIONS**
[54] **PROCEDE DE GESTION D'OPERATIONS A DISTANCE**
[72] WILLIAMS, DAVID, GB
[72] CHILDE, BARRY, GB
[72] BESTWICK, DAVID, GB
[72] YEOMANS, ANDREW JAMES VICTOR, GB
[72] IQBAL, OMAR, GB
[71] ARQIT LIMITED, GB
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[54] **STANDALONE PIGGING SKID**
[54] **PATIN DE RACLAGE AUTONOME**
[72] BURGGRAAFF, MAARTEN CORNELIS, US
[71] QUEST INTEGRITY GROUP, LLC, US
[85] 2022-05-03
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[54] **PROTOCOLE DE DISTRIBUTION DE CLE QUANTIQUE**
[72] CHILDE, BARRY, GB
[72] BESTWICK, DAVID, GB
[72] WILLIAMS, DAVID, GB
[72] YEOMANS, ANDREW JAMES VICTOR, GB
[72] IQBAL, OMAR, GB
[71] ARQIT LIMITED, GB
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[25] EN
[54] **A SYSTEM AND METHOD FOR SATELLITE QUANTUM KEY DISTRIBUTION**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE CLES QUANTIQUE PAR SATELLITE**
[72] WILLIAMS, DAVID, GB
[72] BESTWICK, DAVID, GB
[72] CHILDE, BARRY, GB
[72] YEOMANS, ANDREW JAMES VICTOR, GB
[72] IQBAL, OMAR, GB
[71] ARQIT LIMITED, GB
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[54] **QUANTUM-SAFE NETWORKING**
[54] **RESEAUTAGE A SECURITE QUANTIQUE**
[72] WILLIAMS, DAVID, GB
[72] CHILDE, BARRY, GB
[72] BESTWICK, DAVID, GB
[72] YEOMANS, ANDREW JAMES VICTOR, GB
[72] IQBAL, OMAR, GB
[71] ARQIT LIMITED, GB
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[54] **SMART JUMPER CABLES**
[54] **CABLES DE CONNEXION INTELLIGENTS**
[72] RUMBAUGH, SCOTT, US
[71] OX PARTNERS, LLC, US
[85] 2022-05-03
[86] 2020-11-03 (PCT/US2020/058701)
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[25] EN
[54] **THERMALLY DISPROPORTIONATED ANODE ACTIVE MATERIAL INCLUDING TURBOSTRATIC CARBON COATING**
[54] **MATERIAU ACTIF D'ANODE THERMIQUEMENT DISPROPORTIONNE COMPRENANT UN REVETEMENT DE CARBONE TURBOSTRATIQUE**
[72] HAYNER, CARY, US
[72] HA, SEONBAEK, US
[72] HICKS, KATHRYN, US
[72] LAU, JOSHUA, US
[72] FRYSZ, CHRISTINE, US
[71] NANOGRAF CORPORATION, US
[85] 2022-05-04
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[25] FR
[54] **VALVE FOR REGULATING A LIQUID CIRCULATING IN A FLEXIBLE TUBE**
[54] **VALVE DE REGULATION D'UN LIQUIDE EN CIRCULATION DANS UN TUBE SOUPLE**
[72] FIORINO, ADRIEN, FR
[72] PICOT, SYLVAIN, FR
[71] I-SEP, FR
[85] 2022-05-03
[86] 2020-11-10 (PCT/FR2020/052057)
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[25] FR
[54] **ARTICULATION HAVING THREE DEGREES OF FREEDOM FOR A ROBOT, AND CORRESPONDING CONTROL METHOD**
[54] **ARTICULATION A TROIS DEGRES DE LIBERTE POUR UN ROBOT ET PROCEDE DE COMMANDE CORRESPONDANT**
[72] LAPEYRE, MATTHIEU, FR
[72] ROUANET, PIERRE, FR
[72] CRAMPETTE, AUGUSTIN, FR
[71] POLLEN ROBOTICS, FR
[85] 2022-05-03
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[54] **A SOAP BAR COMPOSITION FOR ENHANCED DELIVERY OF WATER SOLUBLE BENEFIT AGENT**
[54] **COMPOSITION DE PAIN DE SAVON POUR L'ADMINISTRATION AMELIOREE D'UN AGENT BENEFIQUE SOLUBLE DANS L'EAU**
[72] AGARKHED, AJIT MANOHAR, IN
[72] HEGISHTE, SWAPNIL RAVIKANT, IN
[72] IYER, VIDULA, IN
[72] KHOKHAR, JASMEET KAUR, IN
[72] PARUCHURI, DIVYA, IN
[72] PRATAP, SHAILENDRA, IN
[71] UNILEVER GLOBAL IP LIMITED, GB
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[54] **POLITIQUES A BASE DE GROUPES POUR TRAFIC INTER-DOMAINES**
[72] GUPTA, ANUBHAV, US
[72] FERNANDO, REX, US
[72] HOODA, SANJAY KUMAR, US
[72] APPALA, SYAM SUNDAR, US
[72] THORIA, SAMIR, US
[71] CISCO TECHNOLOGIES, INC, US
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[25] EN
[54] **PYROELECTRIC-TYPE INFRARED DETECTOR AND INTEGRATED CIRCUIT**
[54] **DETECTEUR INFRAROUGE DE TYPE PYROELECTRIQUE ET CIRCUIT INTEGRE**
[72] FUJIWARA, EIKI, JP
[72] ENOKI, KUNIYASU, JP
[72] MURATA, YOICHI, JP
[71] NIPPON CERAMIC CO., LTD., JP
[85] 2022-05-04
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[51] **Int.Cl. A61K 31/454 (2006.01)**
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[54] **COMBINATION THERAPY WITH 2-(4-CHLOROPHENYL)-N-((2-(2,6-DIOXOPIPERIDIN-3-YL)-1-OXOISOINDOLIN-5-YL) METHYL)-2,2-DIFLUOROACETAMIDE**
[54] **POLYTHERAPIE AVEC LE 2-(4-CHLOROPHENYL)-N-((2-(2,6-DIOXOPIPERIDIN-3-YL)-1-OXOISOINDOLIN-5-YL)METHYL)-2,2-DIFLUOROACETAMIDE**
[72] BUCHHOLZ, TONIA J., US
[72] FAN, JINHONG, US
[72] PIERCE, DANIEL W., US
[72] POURDEHNAD, MICHAEL, US
[72] YAO, TSUN-WEN, US
[71] CELGENE CORPORATION, US
[85] 2022-05-04
[86] 2020-11-04 (PCT/US2020/058789)
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[54] **RESOURCE DETERMINING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE DETERMINATION DE RESSOURCES**
[72] MA, RUIXIANG, CN
[72] GUAN, LEI, CN
[72] LYU, YONGXIA, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2022-05-04
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[51] **Int.Cl. A61M 16/04 (2006.01)**
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[54] **TRACHCOLLAR SAFETY ALARM**
[54] **ALARME DE SECURITE DE COLLIER DE TRACHEOSTOMIE**
[72] OWENS, DOROTHY, US
[72] SAWYER, DARLEEN, US
[71] OWENS, DOROTHY, US
[71] SAWYER, DARLEEN, US
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[25] EN
[54] **SYSTEMS AND METHODS FOR DYNAMICALLY GENERATING A MOBILE SOFTWARE-DEFINED WIDE AREA NETWORK GATEWAY LOCATION FOR REMOTE USERS**
[54] **SYSTEMES ET PROCEDES DE GENERATION DYNAMIQUE D'UN EMPLACEMENT DE PASSERELLE DE RESEAU ETENDU DEFINI PAR LOGICIEL ET MOBILE POUR DES UTILISATEURS DISTANTS**
[72] GUPTA, ANUBHAV, US
[72] BOSCH, HENDRIKUS G.P., NL
[72] VALLURI, VAMSIDHAR, US
[72] OLOFSSON, STEFAN, AE
[71] CISCO TECHNOLOGY, INC., US
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[54] **COMPOSITE POLYMER PALLET COMPONENTS**
[54] **ELEMENTS DE PALETTE EN POLYMERE COMPOSITE**
[72] HANAN, JAY CLARKE, US
[72] BANDLA, SUDHEER, US
[71] NIAGARA BOTTLING, LLC, US
[85] 2022-05-04
[86] 2020-11-02 (PCT/US2020/058561)
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[30] US (62/930,085) 2019-11-04

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[54] **CONNECTING DEVICE FOR MEDICAL DEVICES**
[54] **DISPOSITIF DE RACCORDEMENT POUR DISPOSITIFS MEDICAUX**
[72] RAHMIG, GEORG, DE
[72] STRAUBINGER, HELMUT, DE
[71] TRICARES SAS, FR
[85] 2022-05-04
[86] 2020-12-11 (PCT/EP2020/085708)
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[51] **Int.Cl. G06F 15/00 (2006.01) G06N 10/00 (2022.01) G06N 20/00 (2019.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ENABLING AN ACCESS TO A PHYSICS-INSPIRED COMPUTER AND TO A PHYSICS-INSPIRED COMPUTER SIMULATOR**
[54] **SYSTEME ET PROCEDE PERMETTANT D'ACCEDER A UN ORDINATEUR INSPIRE DE LA PHYSIQUE ET A UN SIMULATEUR D'ORDINATEUR INSPIRE DE LA PHYSIQUE**
[72] RONAGH, POOYA, CA
[72] MA, HAO, CA
[72] BEREZUTSKII, ALEKSANDR, CA
[72] FURSMAN, ANDREW BRENDAN, CA
[72] SEPEHRY, BEHROOZ, CA
[71] 1QB INFORMATION TECHNOLOGIES INC., CA
[85] 2022-05-04
[86] 2020-12-03 (PCT/IB2020/061464)
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[25] EN
[54] **GEARBOX QUICK CONNECTION FOR LONG RAIL ASSEMBLY**
[54] **RACCORDEMENT RAPIDE DE TRANSMISSION POUR ENSEMBLE RAIL LONG**
[72] ZHAO, KAI, US
[71] MAGNA SEATING, INC., CA
[85] 2022-05-04
[86] 2020-11-06 (PCT/US2020/059274)
[87] (WO2021/092281)
[30] US (62/931,302) 2019-11-06

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[51] **Int.Cl. F24F 11/54 (2018.01) F24F 11/58 (2018.01) F24F 11/64 (2018.01)**
[25] EN
[54] **AIR CONDITIONING MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION DE CLIMATISATION**
[72] OKADA, RYOHEI, JP
[72] FUMIMOTO, TAKUYA, JP
[72] NOMURA, YOSHIHIDE, JP
[71] DAIKIN INDUSTRIES LTD., JP
[85] 2022-05-04
[86] 2020-11-25 (PCT/JP2020/043899)
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[30] JP (2019-213229) 2019-11-26

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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/154 (2006.01) A61M 25/00 (2006.01)**
[25] EN
[54] **BLOOD COLLECTION SYSTEM WITH AUTOMATIC PRESSURE MANAGEMENT AND RELATED METHODS**
[54] **SYSTEME DE COLLECTE DE SANG A GESTION DE PRESSION AUTOMATIQUE ET PROCEDES ASSOCIES**
[72] BURKHOLZ, JONATHAN KARL, US
[72] SCHERICH, MEGAN, US
[72] BLANCHARD, CURTIS H., US
[72] WANG, BIN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[86] 2020-11-03 (PCT/US2020/058742)
[87] (WO2021/096733)
[30] US (62/934,960) 2019-11-13
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[25] EN
[54] **ELECTRONIC FURNITURE SYSTEMS WITH INTEGRATED INDUCTION CHARGER**
[54] **SYSTEMES DE MEUBLES ELECTRONIQUES AVEC CHARGEUR A INDUCTION INTEGRE**
[72] NELSON, SHAWN D., US
[72] UNDERWOOD, DAVID M., US
[72] KUCHLER, BRIAN, US
[72] GIBSON, CLINT, US
[72] CHRISTIANSEN, TROY, US
[71] THE LOVESAC COMPANY, US
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[86] 2020-12-23 (PCT/US2020/066951)
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[25] EN
[54] **FLOOR PANEL FOR FORMING A FLOOR COVERING**
[54] **PANNEAU DE PLANCHER POUR FORMER UN REVETEMENT DE SOL**
[72] DE RICK, JAN, BE
[71] FLOORING INDUSTRIES LIMITED, SARL, LU
[85] 2022-05-04
[86] 2020-11-03 (PCT/IB2020/060310)
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[51] **Int.Cl. B60W 50/023 (2012.01) B61L 27/04 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR VEHICLE CONTROL**
[54] **SYSTEME ET PROCEDE DE COMMANDE DE VEHICULE**
[72] GREEN, ALON, CA
[72] YAZHEMSKY, DENNIS, CA
[72] TOBIN, JAMES KEVIN, CA
[71] THALES CANADA INC., CA
[85] 2022-05-04
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[25] EN
[54] **PRESSURE-DRIVEN FLOW RATE CONTROL VALVES**
[54] **VANNES DE REGULATION DE DEBIT COMMANDEES PAR PRESSION**
[72] SPATARO, JOSEPH, US
[72] BLANCHARD, CURTIS H., US
[72] SCHERICH, MEGAN, US
[72] HARDING, WESTON F., US
[72] BURKHOLZ, JONATHAN KARL, US
[72] WANG, BIN, US
[71] BECTON, DICKINSON AND COMPANY, US
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[30] US (62/934,956) 2019-11-13
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[25] EN
[54] **SUPPORTING WHEEL FOR MOTOR VEHICLES**
[54] **ROUE DE SUPPORT POUR VEHICULES A MOTEUR**
[72] GUALTIERI, WILLIAM, IT
[71] MODENA FACTORY S.R.L., IT
[85] 2022-05-04
[86] 2020-11-05 (PCT/IB2020/060411)
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[30] IT (102019000020436) 2019-11-05
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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/154 (2006.01)**
[25] EN
[54] **VACUUM TUBE RECEIVER FOR DRAWING BLOOD THROUGH A PERIPHERAL IV CATHETER**
[54] **RECEPTEUR DE TUBE A VIDE POUR ASPIRER DU SANG PAR L'INTERMEDIAIRE D'UN CATHETER IV PERIPHERIQUE**
[72] ISAACSON, S. RAY, US
[72] SCHERICH, MEGAN, US
[72] TRAN, HUY, US
[72] CLAVIJO, CRISTIAN, US
[72] SPATARO, JOSEPH, US
[72] BLANCHARD, CURTIS H., US
[72] BURKHOLZ, JONATHAN KARL, US
[71] BECTON, DICKINSON AND COMPANY, US
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[30] US (62/934,964) 2019-11-13
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[25] EN
[54] **ROPE ROBOT AND METHOD FOR MOUNTING AN OBJECT TO A POWER LINE**
[54] **ROBOT A CABLES ET PROCEDE DE MONTAGE D'UN OBJET SUR UNE LIGNE ELECTRIQUE**
[72] VANGEN, KNUT, NO
[72] OMEROVIC, VELID, NO
[71] COMROD AS, NO
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[54] **AUTONOMOUS SCANNING AND MAPPING SYSTEM**
[54] **SYSTEME DE BALAYAGE ET DE CARTOGRAPHIE AUTONOME**
[72] GRAHAM, MARTIN EVAN, US
[72] GOERGEN, PATRICK JOHN, US
[72] HAINES, STOCKWELL, US
[72] TRUJILLO, TOMAS MANUEL, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[54] **MAINTENANCE SYSTEMS AND METHODS FOR A WHEEL ASSEMBLY OF AN AMUSEMENT RIDE VEHICLE**
[54] **SYSTEMES ET PROCEDES DE MAINTENANCE POUR UN ENSEMBLE ROUE D'UN VEHICULE DE MANEGE**
[72] GORENTZ, LUCAS ANTON, US
[71] UNIVERSAL CITY STUDIOS LLC, US
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[54] **DEVICE FOR A MICROACTUATOR, AND MICROACTUATOR EQUIPPED WITH SUCH A DEVICE**
[54] **DISPOSITIF POUR MICROACTIONNEUR ET MICROACTIONNEUR EQUIPE D'UN TEL DISPOSITIF**
[72] HERIBAN, DAVID, FR
[71] PERCIPIO ROBOTICS, FR
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[25] EN
[54] **QUANTUM ALGORITHM AND DESIGN FOR A QUANTUM CIRCUIT ARCHITECTURE TO SIMULATE INTERACTING FERMIONS**
[54] **ALGORITHME QUANTIQUE ET CONCEPTION POUR UNE ARCHITECTURE DE CIRCUIT QUANTIQUE AFIN DE SIMULER DES FERMIONS INTERAGISSANT**
[72] DALLAIRE-DEMERS, PIERRE-LUC, US
[72] CAO, YUDONG, US
[72] JOHNSON, PETER D., US
[71] ZAPATA COMPUTING, INC., US
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[54] **INHIBITEURS DE CAPSIDE POUR LA PREVENTION DU VIH**
[72] BEKERMAN, ELENA, US
[72] BLAIR, WADE S., US
[72] CHIU, ANNA, US
[72] CIHLAR, TOMAS, US
[72] LEVINE, DANA J., US
[72] TSE, WINSTON C., US
[72] YANT, STEPHEN R., US
[72] ZHENG, JIM X., US
[71] GILEAD SCIENCES, INC., US
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[54] **LIGANDS DU RECEPTEUR DU TRPV4**
[72] SEBAHAR, PAUL RICHARD, US
[72] LOOPER, RYAN, US
[72] KRIZAJ, DAVID, US
[72] REILLY, CHRISTOPHER A., US
[72] GRANT, SETH WILSON, US
[71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US
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[54] **MEANS AND METHODS FOR MULTIPARAMETER CYTOMETRY-BASED LEUKOCYTE SUBSETTING.**
[54] **MOYENS ET METHODES DE SOUS-DEFINITION DE LEUCOCYTES A BASE DE CYTOMETRIE MULTIPARAMETRE**
[72] VAN DONGEN, JACOBUS JOHANNES MARIA, NL
[72] ORFAO DE MATOS CORREIA E VALE, JOSE ALBERTO, ES
[72] GONCALVES GRUNHO TEODOSIO, CRISTINA ISABEL, NL
[72] PEREZ Y ANDRES, MARTIN, ES
[72] ALMEIDA PARRA, JULIA MARIA, ES
[72] VAN DEN BOSSCHE, WOUTER BERNARD LOUIS, NL
[72] BOTAFOGO GONCALVES, VITOR DESSANTI, ES
[72] BERKOWSKA, MAGDALENA AGNIESZKA, NL
[72] VAN DER PAN, KYRA, NL
[72] BLANCO ALVAREZ, ELENA, ES
[72] DIKS, ANNIECK MARGO, NL
[72] PINTO DAMASCENO, DANIELA, ES
[72] HERNANDEZ DELGADO, ALEJANDRO, ES
[71] STICHTING EUROFLOW, NL
[71] ACADEMISCH ZIEKENHUIS LEIDEN H.O.D.N. LUMC, NL
[71] UNIVERSITY OF SALAMANCA, ES
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[54] **DESINFECTANT DE SURFACE SPORICIDE RESIDUELLE**
[72] SLOAN, GINA PARISE, US
[72] WHELESS, KENNETH CLAY, US
[71] MICROBAN PRODUCTS COMPANY, US
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[54] **DEVICE FOR STABILIZING CATHETERS AND METHOD OF USE THEREOF**
[54] **DISPOSITIF POUR STABILISER DES CATHETERS ET METHODE D'UTILISATION**
[72] SKARSGARD, PETER LLOYD, CA
[72] GOMES, JOASH, CA
[71] VESALIUS CARDIOVASCULAR INC., CA
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[54] **PREPARATION METHOD FOR GLUFOSINATE AMMONIUM**
[54] **PROCEDE DE PREPARATION DE GLUFOSINATE-AMMONIUM**
[72] LIU, YONGJIANG, CN
[72] ZHOU, LEI, CN
[72] ZENG, WEI, CN
[72] XU, MIN, CN
[72] CHENG, KE, CN
[72] YIN, YINGSUI, CN
[71] LIER CHEMICAL CO., LTD., CN
[71] GUANGAN LIER CHEMICAL CO., LTD., CN
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[54] **ANTI-BCMA CHIMERIC ANTIGEN RECEPTORS**
[54] **RECEPTEURS D'ANTIGENES CHIMERIQUES ANTI-BCMA**
[72] ZHANG, YI, US
[72] STEWART, C. ANDREW, US
[72] KURTOGLU, METIN, US
[72] KALAYOGLU, MURAT V., US
[72] SINGER, MICHAEL S., US
[71] CARTESIAN THERAPEUTICS, INC., US
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[54] **ADDITIVE PROCESSES FOR MODIFYING A SURFACE OF AN ARTICLE**
[54] **PROCEDES ADDITIFS POUR MODIFIER UNE SURFACE D'UN ARTICLE**
[72] SPADAVECCHIA, JOHN, US
[71] POLYMER SOLUTIONS INTERNATIONAL INC., US
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[86] 2020-10-29 (PCT/US2020/057891)
[87] (WO2021/087067)
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[51] **Int.Cl. G01V 1/30 (2006.01)**
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[54] **METHOD AND APPARATUS FOR PREDICTING HYDROCARBON RESERVOIR WITH TWO-PHASE MEDIUM**
[54] **METHODE ET APPAREIL POUR PREVOIR UN RESERVOIR D'HYDROCARBURES AVEC UN VEHICULE BIPHASE**
[72] GUI, JINYONG, CN
[72] GAO, JIANHU, CN
[72] YONG, XUESHAN, CN
[72] LI, SHENGJUN, CN
[72] WANG, HONGQIU, CN
[72] LIU, BINGYANG, CN
[71] PETROCHINA COMPANY LIMITED, CN
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[25] EN
[54] **DEVICE AMD METHOD FOR STORING AND RETRIEVING MAILBOX PACKAGES**
[54] **DISPOSITIF ET PROCEDE DE STOCKAGE ET DE RECUPERATION DE PAQUETS DE BOITE AUX LETTRES**
[72] GLASER, TODD M., US
[71] GLASER, TODD M., US
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[54] **DOWNHOLE VIBRATION TOOL FOR DRILL STRING**
[54] **OUTIL DE VIBRATION DE FOND DE TROU POUR TRAIN DE TIGES DE FORAGE**
[72] DAMIAN, THOMAS A., US
[72] MAW, JASON C., US
[72] ROSEMAN, MATTHEW B., US
[71] ULTERRA DRILLING TECHNOLOGIES, L.P., US
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[25] EN
[54] **DRILL BIT FOR BORING EARTH AND OTHER HARD MATERIALS**
[54] **TREPAN POUR FORER LA TERRE ET D'AUTRES MATERIAUX DURS**
[72] BROOKS, NATHAN ANDREW, AU
[71] ULTERRA DRILLING TECHNOLOGIES, L. P., US
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[54] **POMPE A SPIRALE DESTINEE A TRAITER DES ARTICLES ALIMENTAIRES**
[72] ARNASON, INGOLFUR, IS
[71] LAMBHUSASUND EHF., IS
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[54] **SYSTEM AND METHOD FOR GENERATING A LANDSCAPE DESIGN**
[54] **SYSTEME ET PROCEDE PERMETTANT DE GENERER UN AMENAGEMENT PAYSAGER**
[72] MESSERVY, JULIE MOIR, US
[72] ROSE, DAVID, US
[72] SCHARPF, KYLE, US
[71] HOME OUTSIDE, INC, US
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[51] **Int.Cl. A61K 31/352 (2006.01) A61P 31/18 (2006.01) C07C 39/42 (2006.01)**
[25] EN
[54] **METHODS OF ADMINISTERING CANNABINOID TO PEOPLE DIAGNOSED WITH HIV**
[54] **METHODES D'ADMINISTRATION DE CANNABINOIDE A DES PERSONNES DIAGNOSTIQUEES POSITIVES POUR LE VIH**
[72] JACOBSON, CATHERINE, US
[72] LUCAS, PHILIPPE GABRIEL, US
[71] TILRAY, INC., US
[71] JACOBSON, CATHERINE, US
[71] LUCAS, PHILIPPE GABRIEL, US
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[51] **Int.Cl. A61C 7/08 (2006.01)**
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[54] **SYSTEMS AND METHODS FOR CUSTOMIZING ORAL APPLIANCE APPEARANCE**
[54] **SYSTEMES ET PROCEDES POUR PERSONNALISER L'ASPECT D'UN APPAREIL BUCCAL**
[72] PHAN, LOC, US
[72] MENON, RENJITH, XX
[71] SMYLIO INC., US
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[51] **Int.Cl. A61M 1/16 (2006.01) A61M 1/26 (2006.01) A61M 1/36 (2006.01)**
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[54] **CAPTEUR DE NIVEAU DE RESERVOIR DE SYSTEME D'HEMODIALYSE**
[72] MITROVIC, MIROSLAV, US
[72] DANDLER, ANDRES, US
[72] POPPE, CLAYTON, US
[72] BOYLE, DYLAN, US
[71] DIALITY INC., US
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[51] **Int.Cl. A43B 1/04 (2022.01) D03D 11/02 (2006.01)**
[25] EN
[54] **FOOTWEAR ARTICLE INCLUDING CIRCULAR KNIT STRUCTURES**
[54] **ARTICLE CHAUSSANT COMPRENANT DES STRUCTURES TRICOTEES CIRCULAIRES**
[72] DARDINSKI, ALEXANDER, US
[72] HASS, DAVID, US
[72] SCHNACKENBERG, KURTIS, US
[72] LY, JOHN, US
[71] THE NORTH FACE APPAREL CORP., US
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[54] **IMAGERIE ULTRASONORE EN RESEAUX ANNULAIRES**
[72] ZHANG, HAICHONG, US
[72] TSUMURA, RYOSUKE, US
[72] TANG, YICHUAN, US
[71] WORCESTER POLYTECHNIC INSTITUTE, US
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[25] EN
[54] **COMPRESSOR WITH A SYSTEM FOR REMOVING LIQUID FROM THE COMPRESSOR**
[54] **COMPRESSEUR DOTE D'UN SYSTEME D'ELIMINATION DE LIQUIDE DU COMPRESSEUR**
[72] BIGI, MANUELE, IT
[72] FIORAVANTI, DUCCIO, IT
[72] ORTIZ NERI, MASSIMILIANO, IT
[72] DOZZINI, MATTEO, IT
[71] NUOVO PIGNONE TECNOLOGIE - S.R.L., IT
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[54] **BURNER TUBE**
[54] **TUBE DE BRULEUR**
[72] THIESSEN, RANDALL J., US
[72] THIESSEN, JR., LA VOY M., US
[71] THIESSEN, RANDALL J., US
[71] THIESSEN, JR., LA VOY M., US
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[51] **Int.Cl. F41A 5/18 (2006.01) F41A 3/26 (2006.01) F41A 3/70 (2006.01) F41A 3/82 (2006.01) F42B 5/02 (2006.01) F42B 8/02 (2006.01)**
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[54] **FIREARM FOR REDUCED ENERGY CARTRIDGE**
[54] **ARME A FEU POUR CARTOUCHE A ENERGIE REDUITE**
[72] PETERSON, BRYAN P., US
[72] GOODLIN, DREW L., US
[72] KUTNEY, JARED, US
[72] SCHROEDER, MATTHEW S., US
[71] VISTA OUTDOOR OPERATIONS LLC, US
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[51] **Int.Cl. G01N 27/30 (2006.01) G01N 27/416 (2006.01)**
[25] EN
[54] **AMPEROMETRIC SENSOR FOR MEASURING FREE CHLORINE WITH REFERENCE ELECTRODE HAVING A GOLD ELECTRODE SURFACE COMPOSED OF A STRING OF ELECTRICALLY CONNECTED, SPACED APART SURFACE PARTS**
[54] **CAPTEUR AMPEREMETRIQUE DE MESURE DU CHLORE LIBRE AVEC ELECTRODE DE REFERENCE PRESENTANT UNE SURFACE D'ELECTRODE EN OR COMPOSEE D'UNE CHAINE DE PARTIES DE SURFACE ESPACEES RELIEES ELECTRIQUEMEN**
[72] TAX, MAURICE PAUL, NL
[72] LOGIE, JEROME, FR
[72] MULLER, MATTHEW GILBERT, US
[71] INNOVATIVE WATER CARE, LLC, US
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[25] EN
[54] **MATRIX ATTACHMENT REGIONS AND USES IN PROMOTING GENE EXPRESSION**
[54] **REGIONS DE FIXATION DE MATRICE ET UTILISATIONS DANS LA PROMOTION DE L'EXPRESSION GENIQUE**
[72] GOEL, NIKHIL, US
[71] CELLTHEON CORPORATION, US
[85] 2022-06-07
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[25] EN
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[54] **SYNTHESE CHIRALE D'UN ALCOOL TERTIAIRE**
[72] ABRAHAM, SUNNY, US
[72] BOREN, BRANT CLAYTON, US
[72] BOGA, SOBHANA BABU, US
[72] UNNI, ADITYA KRISHNAN, US
[72] HUANG, PETER QINHUA, US
[72] BUNKER, KEVIN DUANE, US
[72] PRATT, BENJAMIN ANTHONY, US
[71] RECURIUM IP HOLDINGS, LLC, US
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[30] US (63/037,761) 2020-06-11

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[13] A1
[51] **Int.Cl. B60L 53/80 (2019.01) B60L 50/64 (2019.01) B60K 1/04 (2019.01)**
[25] EN
[54] **ELECTRIC VEHICLE BATTERY SYSTEM**
[54] **SYSTEME DE BATTERIE DE VEHICULE ELECTRIQUE**
[72] IERADI, GIUSEPPE, CA
[71] IERADI, GIUSEPPE, CA
[85] 2022-05-12
[86] 2020-11-13 (PCT/CA2020/051550)
[87] (WO2021/092695)
[30] US (16/682,584) 2019-11-13

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[51] **Int.Cl. A61K 31/4245 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) C07D 271/06 (2006.01)**
[25] EN
[54] **CARBOXY DERIVATIVES WITH ANTIINFLAMMATORY PROPERTIES**
[54] **DERIVES CARBOXY PRESENTANT DES PROPRIETES ANTI-INFLAMMATOIRES**
[72] COOKE, MICHAEL LIAM, GB
[72] COUSIN, DAVID, GB
[72] FYFE, MATTHEW COLIN THOR, GB
[72] WAUGH, THOMAS MICHAEL, GB
[72] AHMED, SALEH, GB
[72] DE SIMONE, ALESSIO, GB
[72] TEOBALD, BARRY JOHN, GB
[71] SITRYX THERAPEUTICS LIMITED, GB
[85] 2022-05-12
[86] 2020-12-23 (PCT/GB2020/053357)
[87] (WO2021/130492)
[30] EP (19219531.1) 2019-12-23
[30] EP (20162545.6) 2020-03-11
[30] EP (20189623.0) 2020-08-05
[30] EP (20205768.3) 2020-11-04

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[13] A1
[51] **Int.Cl. A61K 6/90 (2020.01)**
[25] EN
[54] **CURABLE COMPOSITION FOR DENTAL IMPRESSION**
[54] **COMPOSITION DURCISSABLE POUR IMPRESSION DENTAIRE**
[72] ROSSI, MASSIMO, IT
[72] BASSO, LORENZO, IT
[72] GALLIERA, LORENZO, IT
[71] DENTSPLY SIRONA INC., US
[71] ZHERMACK SPA, IT
[85] 2022-05-12
[86] 2020-11-19 (PCT/EP2020/082681)
[87] (WO2021/099462)
[30] EP (19210349.7) 2019-11-20

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[13] A1
[51] **Int.Cl. B65D 90/54 (2006.01) B65D 90/00 (2006.01)**
[25] EN
[54] **CONTAINER HAVING TOP COVER LOCKS, SPREADER, AND METHOD FOR OPENING COVER OF CONTAINER**
[54] **CONTENEUR COMPORTANT DES VERROUS DE COUVERCLE SUPERIEUR, ECARTEUR ET PROCEDE D'OUVERTURE DE COUVERCLE DE CONTENEUR**
[72] FAN, KAI, CN
[72] LV, GUOQUAN, CN
[72] MAO, LIXIANG, CN
[72] ZHANG, XIAOPEI, CN
[71] NANTONG CIMC-SPECIAL TRANSPORTATION EQUIPMENT MANUFACTURE CO., LTD., CN
[71] NANTONG CIMC SPECIAL LOGISTICS EQUIPMENT DEVELOPMENT CO., LTD., CN
[85] 2022-05-12
[86] 2020-12-24 (PCT/CN2020/138780)
[87] (WO2021/143474)
[30] CN (202010030813.0) 2020-01-13
[30] CN (202011084563.5) 2020-10-12

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[51] **Int.Cl. F25B 15/14 (2006.01) B01D 61/00 (2006.01) F25B 37/00 (2006.01) F25B 43/00 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR SEPARATING A WORKING FLUID FROM AN ABSORBENT**
[54] **APPAREIL ET PROCEDE PERMETTANT DE SEPARER UN FLUIDE DE TRAVAIL D'UN ABSORBANT**
[72] ASAMOAH-BARNIEH, RAYMOND, CA
[71] BARNIEH INVENTIONS INC., CA
[85] 2022-05-12
[86] 2019-11-22 (PCT/CA2019/051676)
[87] (WO2021/097551)

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[13] A1
[51] **Int.Cl. G05B 15/02 (2006.01) G05B 23/02 (2006.01)**
[25] EN
[54] **ZONE CONTROLLER AND METHOD FOR IDENTIFYING A ROOT CAUSE FAILURE**
[54] **DISPOSITIF DE COMMANDE DE ZONE ET PROCEDE D'IDENTIFICATION D'UNE DEFAILLANCE DE CAUSE PROFONDE**
[72] CRAFT, JESSE, US
[72] HIDAYAT, MELVIN, US
[72] LATOUR, DAVID, US
[71] SIEMENS INDUSTRY, INC., US
[85] 2022-05-12
[86] 2020-10-08 (PCT/US2020/054706)
[87] (WO2021/096617)
[30] US (16/684,133) 2019-11-14

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[13] A1
[51] **Int.Cl. A01D 69/06 (2006.01) A01D 41/06 (2006.01) A01D 45/02 (2006.01) A01D 57/22 (2006.01)**
[25] EN
[54] **CORN HEAD ROW UNITS, DECK PLATES FOR CORN HEAD ROW UNITS, AND HARVESTING HEADERS HAVING SUCH ROW UNITS**
[54] **RAYONNEURS POUR BECS CUEILLEURS A MAIS, PLAQUES DE PONT POUR RAYONNEURS POUR BECS CUEILLEURS A MAIS, ET BECS CUEILLEURS DE RECOLTE COMPRENANT DE TELS RAYONNEURS**
[72] LOHRENTZ, RANDALL, US
[71] AGCO CORPORATION, US
[85] 2022-05-12
[86] 2020-08-04 (PCT/IB2020/057362)
[87] (WO2021/156657)
[30] US (62/970,416) 2020-02-05

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[13] A1
[51] **Int.Cl. A61K 31/00 (2006.01) A61K 31/353 (2006.01) A61K 36/00 (2006.01) A61K 36/185 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **USE OF A FLAVONOID EXTRACT OBTAINED FROM THE SPECIES TALIPARITI ELATUM SW., ITS FORMULATIONS AND TREATMENT METHODS**
[54] **UTILISATIONS D'UN EXTRAIT DE FLAVONOIDES OBTENU A PARTIR DE L'ESPECE TALIPARITI ELATUM SW., FORMULATIONS QUI COMPRENNENT CET EXTRAIT ET METHODE DE TRAITEMENT**
[72] WONG GUERRA, MAYLIN, CU
[72] RAMIREZ SANCHEZ, JENEY, CU
[72] FONSECA FONSECA, LUIS ARTURO, CU
[72] NUNEZ FIGUEREDO, YANIER, CU
[72] PADRON YAQUIS, ALEJANDRO SAUL, CU
[72] INFANTE BLANCO, LORAINE LICET, CU
[72] ROMERO DIAZ, JACQUELINE AYLEMA, GB
[72] BARRIOS SARMIENTO, MAYDEL, CU
[72] MONTANO PEGUERO, YANAY, CU
[71] CENTRO DE INVESTIGACION Y DESARROLLO DE MEDICAMENTOS CIDEM, CU
[85] 2022-05-12
[86] 2020-11-13 (PCT/CU2020/050005)
[87] (WO2021/121443)
[30] CU (2019-0091) 2019-11-14

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[13] A1
[51] **Int.Cl. A01H 17/00 (2006.01) C12N 15/82 (2006.01)**
[25] EN
[54] **TRANSGENIC PLANTS FROM THE BRASSICA SPP. GENUS WITH MYCORRHIZATION CAPACITY AND HAVING AN INCREASED PRODUCTIVITY**
[54] **PLANTES TRANSGENIQUES DU GENRE BRASSICA SPP. PRESENTANT UNE CAPACITE DE MYCORHIZATION ET PRESENTANT UNE PRODUCTIVITE ACCRUE**
[72] NICOLAS RODRIGUEZ, CARLOS, ES
[72] MONTE VAZQUEZ, ENRIQUE, ES
[72] HERMOSA PRIETO, ROSA, ES
[72] ALONSO RAMIREZ, ANA, ES
[72] POVEDA ARIAS, JORGE, ES
[71] UNIVERSIDAD DE SALAMANCA, ES
[85] 2022-05-12
[86] 2019-11-12 (PCT/EP2019/081029)
[87] (WO2021/093942)

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[13] A1
[51] **Int.Cl. A61M 1/00 (2006.01) A61B 17/00 (2006.01) A61B 17/11 (2006.01) A61F 2/24 (2006.01)**
[25] EN
[54] **MECHANICALLY EXPANDABLE SHUNT IMPLANT**
[54] **IMPLANT DE DERIVATION MECANIQUEMENT EXTENSIBLE**
[72] THAI, LINDA, US
[72] VANEVERY, ZACHARY CHARLES, US
[72] GUTIERREZ, TARANNUM ISHAQ, US
[72] TAUZ, DENIS, US
[72] RICKERSON, COOPER RYAN, US
[71] EDWARDS LIFESCIENCES CORPORATION, US
[85] 2022-05-12
[86] 2020-11-04 (PCT/US2020/058784)
[87] (WO2021/101707)
[30] US (62/939,407) 2019-11-22

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[51] **Int.Cl. C11B 9/02 (2006.01) B01D 3/06 (2006.01) B01D 3/10 (2006.01) B01D 3/14 (2006.01) C11B 1/10 (2006.01) C11B 1/14 (2006.01) F24C 9/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PLANT OIL EXTRACTION USING A HEATED FLUID OBTAINED FROM A CAVITATION APPARATUS**
[54] **PROCEDE ET APPAREIL D'EXTRACTION D'HUILE VEGETALE EN UTILISANT UN LIQUIDE CHAUFFE OBTENU A PARTIR D'UN APPAREIL DE CAVITATION**
[72] HIRSH, DOUGLAS S., US
[72] HRINDA, RADOVAN, US
[71] UNITED CAVITATION INTEGRATED TECHNOLOGIES, US
[85] 2022-05-12
[86] 2020-11-10 (PCT/US2020/059819)
[87] (WO2021/096851)
[30] US (62/934,690) 2019-11-13

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[13] A1
[51] **Int.Cl. H01M 50/545 (2021.01) H01M 50/183 (2021.01) H01M 10/052 (2010.01) H01M 10/0585 (2010.01)**
[25] EN
[54] **SELF-PACKAGED BATTERY**
[54] **BATTERIE AUTO-CONDITIONNEE**
[72] BETHKE, ELIOT, US
[72] KOHLMEYER, RYAN, US
[72] KIGGINS, CHADD, US
[72] ATES, MEHMET, US
[72] BUSBEE, JOHN, US
[72] COOK, JOHN, US
[72] RAJPUT, SONIKA, US
[71] XERION ADVANCED BATTERY CORP., US
[85] 2022-05-12
[86] 2020-11-10 (PCT/US2020/059826)
[87] (WO2021/108121)
[30] US (62/940,102) 2019-11-25

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[13] A1
[51] **Int.Cl. G16H 10/60 (2018.01) G16H 15/00 (2018.01) G16H 20/10 (2018.01) G16H 20/30 (2018.01) G16H 20/40 (2018.01) G16H 20/60 (2018.01) G16H 40/67 (2018.01) G16H 70/20 (2018.01) G06Q 50/00 (2012.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR IN-CLINIC COMPLIANCE PROTOCOLS**
[54] **PROCEDES ET SYSTEMES POUR PROTOCOLES DE CONFORMITE EN CLINIQUE**
[72] PETERS, ELIZABETH, US
[72] LOTT, JEFFREY, US
[72] SPRADLEY, MATT, US
[72] RUSSELL, MATT, US
[72] JAROSZ, TANYA, US
[71] IDEXX LABORATORIES, INC., US
[85] 2022-05-12
[86] 2020-11-12 (PCT/US2020/060088)
[87] (WO2021/097001)
[30] US (62/935,844) 2019-11-15

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[13] A1
[51] **Int.Cl. G01H 1/00 (2006.01)**
[25] EN
[54] **CLOUD-BASED MEDIA SYNCHRONIZATION SYSTEM FOR GENERATING A SYNCHRONIZATION INTERFACE AND PERFORMING MEDIA SYNCHRONIZATION**
[54] **SYSTEME DE SYNCHRONISATION MULTIMEDIA EN NUAGE PERMETTANT DE GENERER UNE INTERFACE DE SYNCHRONISATION ET D'EFFECTUER UNE SYNCHRONISATION MULTIMEDIA**
[72] DOLDER, KYLE, US
[72] DUGGAN, RICHARD A., US
[71] THIRTY3, LLC, US
[85] 2022-05-12
[86] 2020-11-12 (PCT/US2020/060214)
[87] (WO2021/101786)
[30] US (16/686,689) 2019-11-18

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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **IMPROVED LOGISTICAL MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION LOGISTIQUE AMELIORE**
[72] RUSNAK, RYAN, US
[72] LINFORD, CALVIN, US
[71] AIRSPACE TECHNOLOGIES, INC., US
[85] 2022-05-12
[86] 2020-11-12 (PCT/US2020/060258)
[87] (WO2021/097104)
[30] US (16/940,924) 2020-07-28
[30] US (62/934,336) 2019-11-12
[30] US (16/833,315) 2020-03-27

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[13] A1
[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 10/06 (2012.01) G06Q 50/30 (2012.01)**
[25] EN
[54] **IMPROVED LOGISTICAL MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION LOGISTIQUE AMELIORE**
[72] RUSNAK, RYAN, US
[72] LINFORD, CALVIN, US
[71] AIRSPACE TECHNOLOGIES, INC., US
[85] 2022-05-12
[86] 2020-11-12 (PCT/US2020/060265)
[87] (WO2021/097111)
[30] US (62/934,336) 2019-11-12
[30] US (16/833,325) 2020-03-27
[30] US (16/940,932) 2020-07-28

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[13] A1
[51] **Int.Cl. G06Q 30/00 (2012.01)**
[25] EN
[54] **IMPROVED LOGISTICAL MANAGEMENT SYSTEM**
[54] **SYSTEME DE GESTION LOGISTIQUE AMELIORE**
[72] RUSNAK, RYAN, US
[72] LINFORD, CALVIN, US
[71] AIRSPACE TECHNOLOGIES, INC., US
[85] 2022-05-12
[86] 2020-11-12 (PCT/US2020/060266)
[87] (WO2021/097112)
[30] US (62/934,336) 2019-11-12
[30] US (16/833,329) 2020-03-27
[30] US (16/941,208) 2020-07-28

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01) C12N 15/117 (2010.01) A61K 35/74 (2015.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/47 (2006.01) C12N 1/36 (2006.01) A61K 38/00 (2006.01)**
[25] EN
[54] **IMMUNOSTIMULATORY BACTERIA DELIVERY PLATFORMS AND THEIR USE FOR DELIVERY OF THERAPEUTIC PRODUCTS**
[54] **PLATEFORMES D'ADMINISTRATION DE BACTERIES IMMUNOSTIMULATRICES ET LEUR UTILISATION POUR L'ADMINISTRATION DE PRODUITS THERAPEUTIQUES**
[72] THANOS, CHRISTOPHER D., US
[72] GLICKMAN, LAURA HIX, US
[72] IANNELLO, ALEXANDRE CHARLES MICHEL, US
[72] RAE, CHRIS, US
[72] KEHOE, HAIXING, US
[72] PETERSON, BRET NICHOLAS, US
[72] CHEUNG, CHINGNAM, US
[71] ACTYM THERAPEUTICS, INC., US
[85] 2022-05-12
[86] 2020-11-12 (PCT/US2020/060307)
[87] (WO2021/097144)
[30] US (62/934,503) 2019-11-12
[30] US (62/962,162) 2020-01-16
[30] US (62/990,404) 2020-03-16

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[13] A1
[51] **Int.Cl. G06K 7/14 (2006.01) G06K 17/00 (2006.01) G06K 19/06 (2006.01) G07F 19/00 (2006.01)**
[25] EN
[54] **IR DISPLAY FOR USER AUTHENTICATION**
[54] **AFFICHAGE IR POUR L'AUTHENTIFICATION D'UN UTILISATEUR**
[72] PHARR, JEFF, US
[72] WURMFELD, DAVID, US
[71] CAPITAL ONE SERVICES, LLC, US
[85] 2022-05-12
[86] 2020-11-13 (PCT/US2020/060352)
[87] (WO2021/097167)
[30] US (16/681,870) 2019-11-13

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[13] A1
[51] **Int.Cl. G01N 15/05 (2006.01) G01N 15/10 (2006.01) G01N 33/48 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS FOR DETECTION OF BACTERIA IN A SAMPLE USING DIELECTROPHORESIS**
[54] **PROCEDES ET APPAREIL DE DETECTION DE BACTERIES DANS UN ECHANTILLON PAR DIELECTROPHORESE**
[72] WEBER, MONIKA, US
[72] ANTOSZCZYK, SLAWOMIR, US
[72] WEBER, ROBERT, US
[71] FLUID-SCREEN, INC., US
[85] 2022-05-12
[86] 2020-11-13 (PCT/US2020/060412)
[87] (WO2021/097205)
[30] US (62/934,856) 2019-11-13

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[13] A1
[51] **Int.Cl. A61K 47/55 (2017.01) A61P 25/28 (2006.01) C07D 401/14 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 487/04 (2006.01)**
[25] EN
[54] **COMPOUNDS FOR DEGRADING TAU PROTEIN AGGREGATES AND USES THEREOF**
[54] **COMPOSES POUR DEGRADER DES AGREGATS DE PROTEINE TAU ET LEURS UTILISATIONS**
[72] TEMPEST, PAUL, CN
[72] JANG, MING-KUEI, CN
[72] LIN, YIH-SHYAN, CN
[71] APRINOIA THERAPEUTICS LIMITED, CN
[85] 2022-05-12
[86] 2020-11-13 (PCT/US2020/060459)
[87] (WO2021/097243)
[30] US (62/935,017) 2019-11-13

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[13] A1
[51] **Int.Cl. A01N 25/30 (2006.01) A01N 43/653 (2006.01) A01N 47/14 (2006.01)**
[25] EN
[54] **STABLE COMPOSITIONS OF FUNGICIDAL COMPOUNDS**
[54] **COMPOSITIONS STABLES DE COMPOSES FONGICIDES**
[72] CHAVAN, POPAT GANESH, IN
[72] MUKHERJEE, DEV VARTA, IN
[72] SHIRSAT, RAJAN RAMAKANT, IN
[71] UPL LIMITED, IN
[85] 2022-05-12
[86] 2020-10-30 (PCT/IB2020/060193)
[87] (WO2021/099866)
[30] IN (201921047062) 2019-11-19

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01) A61M 5/178 (2006.01)**
[25] EN
[54] **DRUG DELIVERY DEVICE SENSING MODULES**
[54] **MODULES DE DETECTION DE DISPOSITIF D'ADMINISTRATION DE MEDICAMENT**
[72] KRULEVITCH, PETER, US
[72] DIUBALDI, ANTHONY R., US
[72] ALBERTINI, FRANCESCO N., US
[72] JAIN, SANJAY, US
[72] SARGENT, BRADLEY, US
[72] NATHANSON, JARED, US
[72] CHRISTOPHER, KEVIN, US
[71] JANSSEN BIOTECH, INC., US
[85] 2022-05-12
[86] 2020-11-13 (PCT/IB2020/060710)
[87] (WO2021/095003)
[30] US (62/934,607) 2019-11-13

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[13] A1
[51] **Int.Cl. C12N 5/0789 (2010.01) C12N 5/078 (2010.01)**
[25] EN
[54] **HEMATOPOIETIC PRECURSOR CELL PRODUCTION**
[54] **PRODUCTION DE CELLULES PRECURSEURS HEMATOPOIETIQUES**
[72] CHAMBERS, STUART, US
[72] ZHANG, JINGLI, US
[72] CHENG, QINGWEN, US
[72] HUANG, GUANYI, US
[71] AMGEN INC., US
[85] 2022-05-12
[86] 2020-11-13 (PCT/US2020/060582)
[87] (WO2021/097346)
[30] US (62/935,353) 2019-11-14

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[13] A1
[51] **Int.Cl. B01D 53/50 (2006.01) H01M 8/0662 (2016.01) H01M 8/1246 (2016.01) F16B 7/18 (2006.01) F16B 37/12 (2006.01) H02K 5/20 (2006.01)**
[25] EN
[54] **DESULFURIZATION UNIT, SOFC SYSTEM AND VEHICLE**
[54] **UNITE DE DESULFURATION, SYSTEME A SOFC ET VEHICULE**
[72] CHEN, SONGTAO, CN
[72] CHEN, WENMIAO, CN
[72] YU, CHAO, CN
[71] CERES INTELLECTUAL PROPERTY COMPANY LIMITED, GB
[85] 2022-05-12
[86] 2020-11-18 (PCT/IB2020/060861)
[87] (WO2021/099958)
[30] CN (201921999676.0) 2019-11-19

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[13] A1
[51] **Int.Cl. A01N 1/02 (2006.01) A01N 59/16 (2006.01)**
[25] EN
[54] **ICE-FREE VITRIFICATION AND NANO-WARMING OF LARGE TISSUE SAMPLES**
[54] **VITRIFICATION ET NANO-RECHAUFFEMENT SANS GLACE DE GRANDS ECHANTILLONS DE TISSU**
[72] BROCKBANK, KELVIN GM, US
[72] CHEN, ZHEN ZHEN, US
[71] TISSUE TESTING TECHNOLOGIES LLC, US
[85] 2022-05-06
[86] 2020-11-04 (PCT/US2020/058843)
[87] (WO2021/091984)
[30] US (62/931,943) 2019-11-07

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[13] A1
[51] **Int.Cl. H05K 7/20 (2006.01)**
[25] EN
[54] **COOLING SYSTEM OF ELECTRONIC SYSTEMS, IN PARTICULAR FOR DATA CENTRE**
[54] **SYSTEME DE REFROIDISSEMENT DE SYSTEMES ELECTRONIQUES, EN PARTICULIER POUR CENTRE DE DONNEES**
[72] PROVENZIANI, FRANCO, IT
[72] CATALDO, FILIPPO, IT
[71] PROVIDES METALMECCANICA S.R.L., IT
[85] 2022-05-12
[86] 2020-12-04 (PCT/IB2020/061500)
[87] (WO2021/111387)
[30] IT (102019000023076) 2019-12-05
[30] IT (102020000001258) 2020-01-23

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[13] A1
[51] **Int.Cl. B65B 7/16 (2006.01) B26D 7/18 (2006.01) B26F 1/38 (2006.01) B26F 1/44 (2006.01) B29C 65/74 (2006.01) B65B 29/02 (2006.01) B65B 51/22 (2006.01) B65B 61/06 (2006.01)**
[25] EN
[54] **APPARATUS AND METHOD FOR CUTTING AND JOINING A SHEET ELEMENT TO A CONTAINER**
[54] **APPAREIL ET PROCEDE DE COUPE ET D'ASSEMBLAGE D'UN ELEMENT DE FEUILLE A UN RECIPIENT**
[72] BARTOLI, ANDREA, IT
[72] CAPITINI, DAVIDE, IT
[71] SARONG SOCIETA' PER AZIONI, IT
[85] 2022-05-12
[86] 2020-12-16 (PCT/IB2020/062028)
[87] (WO2021/124151)
[30] IT (102019000024571) 2019-12-18

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[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01) A61B 1/00 (2006.01) A61B 18/14 (2006.01)**
[25] EN
[54] **MEDICAL DEVICE LOCKING ASSEMBLIES AND METHODS OF USING THE SAME**
[54] **ENSEMBLES DE VERROUILLAGE DE DISPOSITIF MEDICAL ET PROCEDES D'UTILISATION ASSOCIES**
[72] HANSEN, KATRINA, US
[72] GOLDEN, JOHN B., US
[72] DURR, BERNADETTE, US
[72] HUGHES, GREGORY, US
[72] CALLAGHAN, DAVID, US
[72] NARAYANA, BALAJI ASWATHA, IN
[72] MOREY, SUBODH, IN
[72] SHAIKH, JUNAID, IN
[71] BOSTON SCIENTIFIC LIMITED, IE
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[51] **Int.Cl. A01N 25/14 (2006.01) A01N 43/36 (2006.01)**
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[54] **GLUFOSINATE ADDITIVE FOR IMPROVED WEED CONTROL**
[54] **ADDITIF DE GLUFOSINATE POUR UNE LUTTE AMELIOREE CONTRE LES MAUVAISES HERBES**
[72] NORSWORTHY, JASON KEITH, US
[72] PRIESS, GRANT LAWSON, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS, US
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[51] **Int.Cl. C07K 16/18 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C07K 16/30 (2006.01)**
[25] EN
[54] **USE OF ANTI-EPCAM ANTIBODIES IN CANCER THERAPY**
[54] **UTILISATIONS D'ANTICORPS ANTI-EPCAM DANS UNE THERAPIE ANTICANCEREUSE**
[72] WU, HAN-CHUNG, TW
[72] CHEN, HAO-NIEN, TW
[71] ACADEMIA SINICA, CN
[85] 2022-05-12
[86] 2020-11-16 (PCT/US2020/060746)
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[30] US (62/935,470) 2019-11-14

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[51] **Int.Cl. C08B 37/16 (2006.01) C08L 5/16 (2006.01)**
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[54] **ALKYLATED CYCLODEXTRIN COMPOSITIONS AND PROCESSES FOR PREPARING AND USING THE SAME**
[54] **COMPOSITIONS DE CYCLODEXTRINE ALKYLEE ET LEURS PROCEDES DE PREPARATION ET D'UTILISATION**
[72] ANTLE, VINCENT D., US
[71] CYDEX PHARMACEUTICALS, INC., US
[85] 2022-05-12
[86] 2020-11-16 (PCT/US2020/060758)
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[30] US (62/937,155) 2019-11-18

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[25] EN
[54] **DETECTING ELECTRICAL ARCING IN HOUSEHOLD ELECTRICAL WIRING**
[54] **DETECTION D'ARCS ELECTRIQUES DANS UN RESEAU ELECTRIQUE DOMESTIQUE**
[72] BORISOV, VLADIMIR, US
[72] PICHOT, MATTHIEU, US
[71] ITRON, INC., US
[85] 2022-05-12
[86] 2020-11-17 (PCT/US2020/060850)
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[30] US (16/688,989) 2019-11-19

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[25] EN
[54] **AQUATIC ORGANISM MONITORING DEVICES AND ASSOCIATED MONITORING METHODS**
[54] **DISPOSITIFS DE SURVEILLANCE D'ORGANISMES AQUATIQUES ET PROCEDES DE SURVEILLANCE ASSOCIES**
[72] DENG, Z., DANIEL, US
[72] YANG, YANG, US
[72] LU, JUN, US
[72] LI, HUIDONG, US
[72] MARTINEZ, JAYSON J., US
[72] PFLUGRATH, BRETT D., US
[71] BATTELLE MEMORIAL INSTITUTE, US
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[25] EN
[54] **PROCESSES FOR THE PREPARATION OF ALPHA-HYDROXY ESTERS VIA GRIGNARD COUPLING AND THIOLATION REACTIONS**
[54] **PROCEDES DE PREPARATION D'ESTERS ALPHA-HYDROXY PAR COUPLAGE DE GRIGNARD ET REACTIONS DE THIOLATION**
[72] HUANG, SHENGSHU, US
[72] LI, FANGYI, US
[72] XU, LI, US
[72] NUYENS, FILIP, US
[72] LAO, YE, US
[72] SALAKLANG, JATUPORN, US
[71] KEMIN INDUSTRIES, INC., US
[85] 2022-05-12
[86] 2020-11-19 (PCT/US2020/061242)
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[30] CN (PCT/CN2019/120393) 2019-11-22

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[54] **CASCADED RESONATORS PHOTON PAIR SOURCE**
[54] **SOURCE DE PAIRES DE PHOTONS DE RESONATEURS EN CASCADE**
[72] VIDRIGHIN, MIHAI DORIAN, US
[72] SAUNDERS, DYLAN, US
[71] PSIQUANTUM, CORP., US
[85] 2022-05-12
[86] 2020-11-27 (PCT/US2020/062496)
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[25] EN
[54] **COMBINE HARVESTERS FOR USE IN HARVESTING CORN, AND RELATED METHODS**
[54] **MOISSONNEUSES-BATTEUSES POUR L'UTILISATION DANS LA RECOLTE DU MAIS, ET PROCEDES ASSOCIES**
[72] CEGLINSKI, JARRETT RYAN, US
[72] FOMBELLE, JACK GLENN, US
[72] JOHNSON, DAVID EVERETT, US
[72] KNOCHE, JASON W., US
[72] LEEK, ADAM HAROLD, US
[72] MCALISTER, KEVIN M., US
[72] REMUND, KIRK MURLIN, US
[72] SWANTON, STEVEN JOHN, US
[72] THEIS, DUSTIN MITCHELL, US
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2022-05-12
[86] 2020-12-02 (PCT/US2020/062933)
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[30] US (62/943,681) 2019-12-04

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[13] A1
[51] **Int.Cl. A61C 5/50 (2017.01)**
[25] EN
[54] **MULTIPLE VISCOSITY GUTTA-PERCHA COATED ENDODONTIC INSTRUMENTS**
[54] **INSTRUMENTS ENDODONTIQUES REVETUS DE GUTTA-PERCHA A VISCOSITE MULTIPLE**
[72] BARATZ, ADAM, US
[72] WILKINSON, KEVIN, US
[72] SUBRAMANIAN, PRAKASH, US
[71] DENTSPLY SIRONA INC., US
[85] 2022-05-12
[86] 2020-12-03 (PCT/US2020/063029)
[87] (WO2021/113455)
[30] US (62/942,981) 2019-12-03
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[51] **Int.Cl. C07K 16/28 (2006.01)**
[25] EN
[54] **ANTIBODY-DRUG CONJUGATES SPECIFIC FOR CD276 AND USES THEREOF**
[54] **CONJUGUES ANTICORPS-MEDICAMENT SPECIFIQUES A CD276 ET LEURS UTILISATIONS**
[72] FENG, YANG, US
[72] ST. CROIX, BRAD, US
[72] SEAMAN, STEVEN, US
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
[85] 2022-05-12
[86] 2020-12-08 (PCT/US2020/063732)
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[51] **Int.Cl. C08L 51/08 (2006.01) C08K 3/013 (2018.01) C09D 7/40 (2018.01) C08J 3/24 (2006.01) C08J 3/28 (2006.01) C09D 5/34 (2006.01) C09D 151/08 (2006.01)**
[25] EN
[54] **FILLED COMPOSITION WITH RAPID UV CURE TO FORM THICK COATING**
[54] **COMPOSITION REMPLIE A DURCISSEMENT RAPIDE PAR UV POUR FORMER UN REVETEMENT EPAIS**
[72] HABIBPOUR, MEHDI, US
[72] LERTOLA, MATTHEW JAMES, US
[72] SHOULDICE, GRANT, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2022-05-12
[86] 2020-12-10 (PCT/US2020/064222)
[87] (WO2021/126655)
[30] US (62/948,476) 2019-12-16
[30] US (17/091,098) 2020-11-06

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[51] **Int.Cl. A23L 33/105 (2016.01) A61K 36/00 (2006.01) A61K 36/8965 (2006.01) A61P 21/00 (2006.01) A61P 21/06 (2006.01)**
[25] EN
[54] **METHODS OF INCREASING MUSCULAR STRENGTH AND MUSCULAR ENDURANCE WITH ASPARAGUS RACEMOSUS**
[54] **PROCEDES D'AUGMENTATION DE LA RESISTANCE MUSCULAIRE ET DE L'ENDURANCE MUSCULAIRE A L'AIDE DE L'ASPARAGUS RACEMOSUS**
[72] KALIDINDI, SANYASI R., US
[71] NATREON, INC., US
[85] 2022-05-12
[86] 2020-12-11 (PCT/US2020/064492)
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[25] EN
[54] **MEAT ANALOGUE PRODUCT AND METHOD**
[54] **PRODUIT ANALOGUE A LA VIANDE ET PROCEDE**
[72] VERKUIJL, BASTIAAN JEROEN VICTOR, NL
[72] HUPPERTZ, PAUL JAN PHILIP, NL
[71] BUNGE LODERS CROKLAAN B.V., NL
[85] 2022-05-13
[86] 2020-11-19 (PCT/EP2020/082754)
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[51] **Int.Cl. E01B 27/02 (2006.01)**
[25] EN
[54] **SWEEPING DEVICE FOR WORKING A TRACK SYSTEM**
[54] **DISPOSITIF DE BALAYAGE POUR TRAITER UNE VOIE FERREE**
[72] BUCHBERGER, GUNTHER, AT
[71] PLASSER & THEURER EXPORT VON BAHNBAUMASCHINEN GESELLSCHAFT M.B.H., AT
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[30] AT (A 410/2019) 2019-12-30

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[51] **Int.Cl. A61K 31/437 (2006.01) A61P 13/00 (2006.01) A61P 13/10 (2006.01) A61P 43/00 (2006.01) C07D 471/04 (2006.01)**
[25] EN
[54] **AZABENZIMIDAZOLE COMPOUND AND MEDICINE**
[54] **COMPOSE AZABENZIMIDAZOLE ET MEDICAMENT**
[72] OIKAWA, KOYA, JP
[72] YAMANAKA, TAKUTO, JP
[72] HIRAI, SHO, JP
[72] WAKITA, KAZUHIKO, JP
[71] NIPPON SHINYAKU CO., LTD., JP
[85] 2022-05-12
[86] 2020-11-12 (PCT/JP2020/042247)
[87] (WO2021/095801)
[30] JP (2019-205344) 2019-11-13

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[51] **Int.Cl. A61M 15/00 (2006.01) H02J 7/00 (2006.01) H02J 9/06 (2006.01)**
[25] EN
[54] **ELECTRONIC MODULE FOR AN INHALER AND INHALER ASSEMBLY COMPRISING THE ELECTRONIC MODULE**
[54] **MODULE ELECTRONIQUE POUR UN INHALATEUR ET ENSEMBLE INHALATEUR COMPRENANT LE MODULE ELECTRONIQUE**
[72] TWEEDIE, ALAN, IT
[72] MITCHELL, COLIN, IT
[72] LEWIS, SCOTT, IT
[72] HEIDT, ANDREW T., IT
[72] RUDOLF, ROBERT, IT
[71] CHIESI FARMACEUTICI S.P.A., IT
[85] 2022-05-13
[86] 2020-11-27 (PCT/EP2020/083759)
[87] (WO2021/105445)
[30] EP (19212224.0) 2019-11-28

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[51] **Int.Cl. C07F 9/6558 (2006.01) C07H 21/00 (2006.01) C08G 79/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING OLIGONUCLEIC ACID COMPOUND**
[54] **PROCEDE DE PRODUCTION DE COMPOSE D'ACIDE OLIGONUCLEIQUE**
[72] ASADA, JUNSHI, JP
[71] NIPPON SHINYAKU CO., LTD., JP
[85] 2022-05-12
[86] 2020-11-13 (PCT/JP2020/042505)
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[51] **Int.Cl. B60K 15/07 (2006.01)**
[25] EN
[54] **INTEGRATED FUEL STORAGE SYSTEM**
[54] **SYSTEME DE STOCKAGE DE COMBUSTIBLE INTEGRE**
[72] GAMBONE, LIVIO RICHARD, US
[72] GRAB, ALEXANDER WALDEMAR, US
[72] GROTTENTHALER, DAVID LEIGH, US
[72] REIDHEAD, PAUL BENJAMIN, US
[72] SCHNEIDER, JESSE MICHAEL, US
[71] NIKOLA CORPORATION, US
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[86] 2020-11-19 (PCT/US2020/061240)
[87] (WO2021/126455)
[30] US (62/948,520) 2019-12-16

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[51] **Int.Cl. C07F 9/6558 (2006.01) C07H 21/00 (2006.01) C08G 79/04 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING OLIGONUCLEIC ACID COMPOUND**
[54] **PROCEDE DE PRODUCTION D'UN COMPOSE D'ACIDE OLIGONUCLEIQUE**
[72] KOTOBUKI, YUTARO, JP
[72] KATO, KOKI, JP
[71] NIPPON SHINYAKU CO., LTD., JP
[85] 2022-05-12
[86] 2020-11-13 (PCT/JP2020/042506)
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[51] **Int.Cl. C07D 491/10 (2006.01) A61K 31/438 (2006.01) A61P 25/04 (2006.01)**
[25] EN
[54] **NOVEL FUNCTIONALIZED LACTONES AS MODULATORS OF THE 5-HYDROXYTRYPTAMINE RECEPTOR 7 AND THEIR METHOD OF USE**
[54] **NOUVELLES LACTONES FONCTIONNALISEES CONSTITUANT DES MODULATEURS DU RECEPTEUR DE LA 5-HYDROXYTRYPTAMINE 7 ET LEUR PROCEDE D'UTILISATION**
[72] CANNEY, DANIEL J., US
[72] BLASS, BENJAMIN E., US
[72] BLATTNER, KEVIN M., US
[72] PIPPIN, DOUGLAS A., US
[71] TEMPLE UNIVERSITY-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, US
[71] PRAEVENTIX, LLC, US
[85] 2022-05-13
[86] 2020-11-12 (PCT/US2020/060271)
[87] (WO2021/097117)
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[51] **Int.Cl. E04B 1/19 (2006.01) E04B 1/38 (2006.01) E04C 3/00 (2006.01)**
[25] EN
[54] **BOLTED BEAM TO COLUMN CONNECTIONS**
[54] **ASSEMBLAGES BOULONNES POUTRE-POTEAU**
[72] ADAMS, JARED J., US
[72] RAFEZY, BEHZAD, US
[72] HUYNH, QUANG MINH, US
[71] MITEK HOLDINGS, INC., US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060519)
[87] (WO2021/097290)
[30] US (62/934,967) 2019-11-13
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[51] **Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6816 (2018.01) C12Q 1/6837 (2018.01) C12Q 1/6841 (2018.01) C40B 70/00 (2006.01)**
[25] EN
[54] **GENOME-SCALE IMAGING OF THE 3D ORGANIZATION AND TRANSCRIPTIONAL ACTIVITY OF CHROMATIN**
[54] **IMAGERIE A L'ECHELLE DU GENOME DE L'ORGANISATION 3D ET DE L'ACTIVITE TRANSCRIPTIONNELLE DE LA CHROMATINE**
[72] ZHUANG, XIAOWEI, US
[72] BINTU, BOGDAN, US
[72] KINROT, SEON S., US
[72] ZHENG, PU, US
[72] SU, JUN-HAN, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2022-05-12
[86] 2020-12-18 (PCT/US2020/065797)
[87] (WO2021/138078)
[30] US (62/954,720) 2019-12-30
[30] US (63/060,947) 2020-08-04

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[51] **Int.Cl. G06F 15/16 (2006.01)**
[25] EN
[54] **CUSTOMIZABLE COMMUNICATIONS PLATFORM**
[54] **PLATEFORME DE COMMUNICATION PERSONNALISABLE**
[72] HAUSER, JUSTIN, US
[72] CARON, JORDAN, US
[72] LEE, DAVID, US
[72] CUSHING, DANIEL, US
[72] LIEBESKIND, SAMUEL, US
[72] HANDLER, MATTHEW, US
[72] YU, AUSTIN, US
[71] GENEVA TECHNOLOGIES, INC., US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060562)
[87] (WO2021/097328)
[30] US (62/936,173) 2019-11-15

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[51] **Int.Cl. F16L 13/02 (2006.01) F16L 9/02 (2006.01) F16L 9/18 (2006.01) F16L 58/08 (2006.01) F16L 58/18 (2006.01)**
[25] EN
[54] **HYBRID MECHANICALLY LINED PIPE METHODS AND APPARATUS**
[54] **PROCEDES ET APPAREIL POUR TUYAU A REVETEMENT MECANIQUE HYBRIDE**
[72] BOISNE, MATHIEU, US
[72] INGRAM, JULIE, US
[71] J. RAY MCDERMOTT, S.A., US
[85] 2022-05-13
[86] 2020-11-12 (PCT/US2020/060139)
[87] (WO2021/097029)
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[51] **Int.Cl. E21D 9/00 (2006.01) E21B 7/00 (2006.01) E21C 37/00 (2006.01) E21D 9/10 (2006.01) E21D 9/12 (2006.01)**
[25] EN
[54] **PROJECTILE AUGMENTED BORING SYSTEM**
[54] **SYSTEME DE FORAGE AUGMENTE PAR PROJECTILE**
[72] RUSSELL, MARK C., US
[71] HYPERSCIENCES, INC., US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060451)
[87] (WO2021/097236)
[30] US (62/936,280) 2019-11-15
[30] US (62/978,166) 2020-02-18
[30] US (17/096,435) 2020-11-12

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[51] **Int.Cl. F21V 21/084 (2006.01) A42B 3/04 (2006.01) F21V 33/00 (2006.01)**
[25] EN
[54] **LIGHT-EMITTING SYSTEMS**
[54] **SYSTEMES ELECTROLUMINESCENTS**
[72] DOUGHTY, CHRIS, US
[72] BAKER, JOHN MAXWELL, US
[72] MCCANN, JEDEDIAH JOAQUIN, US
[72] BUESSELER, JOSHUA ROBERT, US
[71] ILLUMAGEAR, INC., US
[85] 2022-05-13
[86] 2020-11-13 (PCT/US2020/060584)
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[30] US (62/935,555) 2019-11-14

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[51] **Int.Cl. C22B 7/00 (2006.01) C22B 7/04 (2006.01) C22B 23/02 (2006.01) C22B 47/00 (2006.01)**
[25] EN
[54] **PYROMETALLURGICAL PROCESS FOR RECOVERING NICKEL, MANGANESE, AND COBALT**
[54] **PROCEDE PYROMETALLURGIQUE DE RECUPERATION DE NICKEL, DE MANGANESE ET DE COBALT**
[72] SCHEUNIS, LENNART, BE
[72] VERMEULEN, ISABEL, BE
[71] UMICORE, BE
[85] 2022-05-13
[86] 2019-11-27 (PCT/EP2019/082758)
[87] (WO2021/104620)

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[13] A1
[51] **Int.Cl. B65D 5/42 (2006.01) B65D 5/50 (2006.01) B65D 5/54 (2006.01)**
[25] EN
[54] **CARTON FOR ARTICLES**
[54] **CARTON POUR ARTICLES**
[72] OLIVEIRA, STEVEN M., US
[71] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2022-05-12
[86] 2020-12-21 (PCT/US2020/066329)
[87] (WO2021/133711)
[30] US (62/952,728) 2019-12-23

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[51] **Int.Cl. A61K 35/34 (2015.01) A61P 9/04 (2006.01) A61P 9/10 (2006.01)**
[25] EN
[54] **IMMORTALIZED CARDIAC STEM CELLS FOR CARDIAC REPAIR**
[54] **CELLULES SOUCHES CARDIAQUES IMMORTALISEES POUR REPARATION CARDIAQUE**
[72] MISHRA, RACHANA, US
[72] KARATHANASIS, SOTIRIOS K., US
[72] KAUSHAL, SUNJAY, US
[72] SHARMA, SUDHISH, US
[71] NEOPROGEN, INC., US
[85] 2022-05-13
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[30] US (62/936,189) 2019-11-15

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[13] A1
[51] **Int.Cl. B05B 12/12 (2006.01) A01M 7/00 (2006.01) B05B 1/30 (2006.01) B05C 11/10 (2006.01)**
[25] EN
[54] **SPRAYING SYSTEMS, KITS, VEHICLES, AND METHODS OF USE**
[54] **SYSTEMES DE PULVERISATION, KITS, VEHICULES ET PROCEDES D'UTILISATION**
[72] BOOHER, STEVEN R., US
[72] VANDENBARK, GARY A., US
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[71] BOOHER, STEVEN R., US
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[72] MASUM, AKM, AU
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[72] THENIN, MICHEL, US
[72] MAUDHUIT, AUDREY, FR
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[54] **SYSTEME REACTIONNEL ELECTROLYTIQUE POUR LA PRODUCTION D'HYDROGENE ET D'OXYGENE SOUS FORME GAZEUSE**
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[54] **ARCHITECTURE DE LOGICIEL DE PERCEPTION ENVIRONNEMENTALE DE VEHICULE AUTONOME**
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[72] OLIVIER, PIERRE, CA
[72] GOREN, IDO, IL
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[54] **PROCEDES D'UTILISATION DE COLCHICINE A FAIBLE DOSE APRES UN INFARCTUS DU MYOCARDE**
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[54] **PYROLYSE D'HYDROCARBURES CATALYSEE PAR UN CONDENSAT DE METAL LIQUIDE**
[72] RIVEST, JESSICA LOUIS BAKER, US
[72] DESAI, DIVYARAJ, US
[72] BOYSEN, DANE ANDREW, US
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[54] **PRODUIT A MACHER POUR ANIMAL DE COMPAGNIE PRESENTANT UNE SURFACE EXTERNE ASSUREE PAR UN ORGANE D'ANIMAL DE FORME TUBULAIRE**
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[71] IMS TRADING, LLC, US
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[54] **COMPOSITIONS DE CORPS LIPIDIQUES, PRODUITS FABRIQUES A PARTIR DE CEUX-CI, LEURS PROCEDES DE FABRICATION ET PROCEDES D'UTILISATION**
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[72] MOKRY, DAVID Z., US
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[54] **PROCEDE D'INTRODUCTION D'UNE ENZYME D'EDITION DU GENOME DANS UNE CELLULE VEGETALE EN UTILISANT DU PLASMA**
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[72] TOKI, SEIICHI, JP
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[54] **PROCEDE DE CODAGE D'IMAGE BASE SUR UNE TRANSFORMEE ET DISPOSITIF ASSOCIE**
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[72] LIM, JAEHYUN, KR
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[54] **DISPOSITIF D'OUTILS SOUS-MARINS ATTACHES, COMMANDES A DISTANCE, ET PROCEDE DE LANCEMENT DE TELS OUTILS**
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[72] HERREDSVELA, JAN ARILD, NO
[72] OYEN, RUNE, NO
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[72] SEECHARAN, ANDREW, US
[72] DEETER, GARY, US
[72] SARDASHTI, AMIRPOUYAN, US
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[54] **POLY(ALCOOL DE VINYLE) ACTIVE PAR UN CARBAZOLE (PVAC) UTILISE EN TANT QU'AGENT ANTITUMORAL A BASE DE POLYMERE**
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[72] BERGLUND, ERIK, US
[72] SELLBERG, FELIX, SE
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[54] **PROCEDE DE TRAITEMENT D'INGREDIENT DE BOISSON ET INGREDIENT EMBALLE ASSOCIE**
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[71] KONINKLIJKE DOUWE EGBERTS B.V., NL
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[54] **PROCEDE DE TRAITEMENT DE PREVISION D'IRRADIATION, PROCEDE D'ENTRAINEMENT DE MODELE DE GENERALISATION EMPILE, ET APPAREILS ASSOCIES**
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[72] YAO, YING, CN
[72] ZHAO, YANGYANG, CN
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[54] **PROCEDE ET APPAREIL POUR CONFIGURER UNE REGLE D'ALARME DE DISPOSITIF DE L'IDO, DISPOSITIF ET SUPPORT D'ENREGISTREMENT**
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[72] MING, LANG, CN
[71] ENVISION DIGITAL INTERNATIONAL PTE. LTD., SG
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[54] **MECANISME DE LIAISON DE PROTECTION CONTRE LES CHOCS LATERAUX ET BASE DE SIEGE DE SECURITE**
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[54] **PROCEDE ET APPAREIL POUR MODELER UNE COURBE DE PUISSANCE PHOTOVOLTAIQUE, ET DISPOSITIF INFORMATIQUE ET SUPPORT DE STOCKAGE ASSOCIES**
[72] YUAN, RENYU, CN
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[72] YAO, YING, CN
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[54] **AQUEOUS LIQUID EXTRACT OF SPIRULINA FOR THE PREVENTION AND/OR TREATMENT OF CHEMICALLY INDUCED PERIPHERAL NEUROPATHY AND THEIR SYMPTOMS, COMPOSITION AND USE THEREOF**
[54] **EXTRAIT LIQUIDE AQUEUX DE SPIRULINE POUR LA PREVENTION ET/OU LE TRAITEMENT DES NEUROPATHIES PERIPHERIQUES CHIMIO-INDUITES ET LEURS SYMPTOMES, COMPOSITION ET UTILISATION CORRESPOND ANTES**
[72] LEPINE, OLIVIER, FR
[71] ALGOSOURCE, FR
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[54] **COMPOSITIONS AND METHODS FOR THE TREATMENT OF MASTITIS**
[54] **COMPOSITIONS ET PROCEDES POUR LE TRAITEMENT DE LA MASTITE**
[72] SAMUEL, TINU MARY, CH
[72] AFEICHE ZEHIL, MYRIAM, CH
[72] DRAPER, COLLEEN FOGARTY, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **FORMULATED AND/OR CO-FORMULATED LIPOSOME COMPOSITIONS CONTAINING TOLL-LIKE RECEPTOR ("TLR") AGONIST PRODRUGS USEFUL IN THE TREATMENT OF CANCER AND METHODS THEREOF**
[54] **COMPOSITIONS LIPOSOMALES FORMULEES ET/OU CO-FORMULEES CONTENANT DES PROMEDICAMENTS AGONISTES DE RECEPTEURS DE TYPE TOLL (« TLR ») UTILES DANS LE TRAITEMENT DU CANCER ET METHODES A SSOCIEES**
[72] STOVER, DAVID, US
[72] BHARALI, DHRUBA, US
[72] HAY, BRUCE A., US
[72] SAFAIE, TAHMINEH, US
[71] NAMMI THERAPEUTICS, INC., US
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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61P 25/00 (2006.01)**
[25] EN
[54] **COMPOUND COMPRISING A NUCLEIC ACID AND A HALF-LIFE EXTENSION MOTIF**
[54] **COMPOSE COMPRENANT UN ACIDE NUCLEIQUE ET UN MOTIF D'EXTENSION DE DEMI-VIE**
[72] SUCKOW, ARTHUR T., US
[72] ALLERSON, CHARLES, US
[72] TUCCI, FABIO C., US
[71] DTX PHARMA, INC., US
[85] 2022-05-13
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[25] EN
[54] **END-TO-END UNMANNED CONTROL SYSTEM OF AIRCRAFT NAVIGATION AND SURVEILLANCE SYSTEMS**
[54] **SYSTEME DE COMMANDE SANS PILOTE DE BOUT EN BOUT DE SYSTEMES DE NAVIGATION ET DE SURVEILLANCE D'AERONEF**
[72] FERLA, MASSIMILIANO, IT
[72] CARSENAT, DAVID, FR
[72] CUCURACHI, ANDREA, IT
[72] DELOFFRE, NATHAN, FR
[72] MCGAHEE, KEVIN L., US
[72] GIACOPONELLO, CHRISTOPHER, US
[72] HAUSWALD, SCOTT, US
[72] HUBERT, WILLIAM, FR
[72] LUNARDI, PAOLO, IT
[72] NEUFELDT, HOLGER, DE
[72] PROCOUDINE-GORSKY, MICHEL, FR
[72] SCHACKMANN, EDWIN, DE
[72] SORDELLI, MARCELLO, IT
[72] SCHUTTPELZ, ANDRE, DE
[72] VELIMIROVIC, ANDRIJA, DE
[72] ROWSON, STEPHEN, US
[72] CAGLE, MARK, US
[72] MCNALLY, MATTHEW TIMOTHY, US
[72] PARSONS, JOSEPH EUGENE, US
[72] CONROY, BRENDON, US
[72] ALBANESE, ANTHONY JAMES, US
[71] THALES USA, INC., US
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[54] **MONOCLONAL CELL LINES EXPRESSING AN EXOGENOUS SUBSTANCE AND USES THEREOF**
[54] **LIGNEES CELLULAIRES MONOCLONALES EXPRIMANT UNE SUBSTANCE EXOGENE ET LEURS UTILISATIONS**
[72] BARNEY, LAUREN EMILY, US
[72] CARMONA, GUILLAUME, US
[72] PAPAKOSTA, MARIANTHI, US
[72] SEWELL, JARED A., US
[71] SIGILON THERAPEUTICS, INC., US
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[54] **SCOTCH YOKE ACTUATOR**
[54] **ACTIONNEUR A MECANISME A BILLE ET A COULISSEAU**
[72] NAGTILAK, BALKRISHNA DIGAMBAR, IN
[72] MORE, YOGESH MADHUKAR, IN
[71] EMERSON PROCESS MANAGEMENT REGULATOR TECHNOLOGIES, INC., US
[85] 2022-05-13
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[25] EN
[54] **ABRASIVE ARTICLES AND METHODS FOR FORMING SAME**
[54] **ARTICLES ABRASIFS ET LEURS PROCEDES DE FORMATION**
[72] ZHANG, DAMING, CN
[72] SARANGI, NILANJAN, US
[72] ZHANG, ZHONGYA, CN
[72] LU, LU, CN
[71] SAINT-GOBAIN ABRASIVES, INC., US
[71] SAINT-GOBAIN ABRASIFS, FR
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[25] EN
[54] **DEVICE, SYSTEM AND METHOD FOR EMERGENCY AUDIO TRANSMISSION**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE TRANSMISSION AUDIO D'URGENCE**
[72] GLICK, MORDECHAI, IL
[72] BITTON, GABRIEL, IL
[72] GEAN, NISSIM, IL
[72] MASSOVER, ALEXANDER, IL
[72] BLUTMAN, SAPIR, IL
[71] MOTOROLA SOLUTIONS, INC., US
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[51] **Int.Cl. C12N 15/113 (2010.01) A61K 31/713 (2006.01) A61P 9/12 (2006.01)**
[25] EN
[54] **METHODS AND COMPOSITIONS FOR TREATING AN ANGIOTENSINOGEN- (AGT-) ASSOCIATED DISORDER**
[54] **PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT D'UN TROUBLE ASSOCIE A L'ANGIOTENSINOGENE (AGT)**
[72] FOSTER, DONALD, US
[72] AGARWAL, SAGAR, US
[72] HUANG, STEPHEN ALBERT, US
[72] KIM, JAE, US
[71] ALNYLAM PHARMACEUTICALS, INC., US
[85] 2022-05-13
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[30] US (62/934,695) 2019-11-13
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[25] EN
[54] **MOBILE SOLID FUEL PRODUCTION SYSTEM**
[54] **SYSTEME MOBILE DE PRODUCTION DE COMBUSTIBLE SOLIDE**
[72] OSTVIK, BJORNULF, US
[72] LUKAS, MICHAEL DAVID, US
[72] RONDINELLI, ROBERTO, US
[71] ECOGENSUS LLC, US
[85] 2022-05-13
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[54] **LOW CONTAMINANT ANTIMICROBIAL VACCINES**
[54] **VACCINS ANTIMICROBIENS A FAIBLE TENEUR EN CONTAMINANTS**
[72] WYAND, MICHAEL, US
[72] PATEL, SUMAN, US
[72] SWISS, GERALD F., US
[71] ALOPEXX, INC., US
[85] 2022-05-13
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[54] **ULTRASOUND IMAGING**
[54] **IMAGERIE PAR ULTRASONS**
[72] BURNS, MARTIN F., US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2022-05-13
[86] 2020-11-11 (PCT/US2020/060062)
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[54] **PRESSURE MEASUREMENT**
[54] **MESURE DE PRESSION**
[72] BURNS, MARTIN F., US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2022-05-13
[86] 2020-11-11 (PCT/US2020/060067)
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[54] **TRANSEPIDERMAL WATER LOSS**
[54] **PERTE D'EAU TRANSEPIDERMIQUE**
[72] BURNS, MARTIN F., US
[71] BRUIN BIOMETRICS, LLC, US
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[86] 2020-11-12 (PCT/US2020/060151)
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[54] **SPECTRAL IMAGING**
[54] **IMAGERIE SPECTRALE**
[72] BURNS, MARTIN F., US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2022-05-13
[86] 2020-11-12 (PCT/US2020/060211)
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[25] EN
[54] **THERMAL IMAGING**
[54] **IMAGERIE THERMIQUE**
[72] BURNS, MARTIN F., US
[71] BRUIN BIOMETRICS, LLC, US
[85] 2022-05-13
[86] 2020-11-12 (PCT/US2020/060219)
[87] (WO2021/097081)
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[54] **METHODS AND DEVICES FOR VISUALIZING ANALYTE MEASUREMENTS**
[54] **PROCEDES ET DISPOSITIFS DE VISUALISATION DE MESURES D'ANALYTE**
[72] TRONCELLITI, LISA, US
[72] HOFMEISTER, MARK, US
[72] GONZALES, ALLISON, US
[72] SHEARER, DAVID, US
[72] LEVY, BRIAN, US
[72] COCHARD, BOVORNRAT K., US
[71] LIFESCAN IP HOLDINGS, LLC, US
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[54] **BIPARATOPIC CD73 ANTIBODIES**
[54] **ANTICORPS CD73 BIPARATOPIQUE**
[72] LORD, DANA, US
[72] RADOSEVIC, KATARINA, FR
[72] STEFANO, JAMES E., US
[72] ZHOU, YENFANG, US
[71] GENZYME CORPORATION, US
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[54] **ANTENNA AND GLIDE PATH ARRAY FOR SMALL FOOTPRINT AIRCRAFT PRECISION APPROACH AND LANDING SYSTEM**
[54] **ANTENNE ET RESEAU D'ALIGNEMENT DE DESCENTE POUR SYSTEME D'APPROCHE ET D'ATTERRISSAGE DE PRECISION D'AERONEFS A FAIBLE ENCOMBREMENT**
[72] FERLA, MASSIMILIANO, IT
[72] CARSENAT, DAVID, FR
[72] CUCURACHI, ANDREA, IT
[72] DELOFFRE, NATHAN, FR
[72] LUNARDI, PAOLO, IT
[72] SCHUTTPELZ, ANDRE, DE
[72] ROWSON, STEPHEN, US
[72] TORRIANO, FRANCESCO, IT
[72] THEOBALD, MICHAEL, DE
[72] MCGAHEE, KEVIN, US
[71] THALES USA, INC., US
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[30] US (62/936,065) 2019-11-15
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[54] **COMBINAISON DE SURVIE PAR TEMPS FROID**
[72] JACOBSON, DIEGO, PK
[71] JACOBSON, DIEGO, US
[85] 2022-05-13
[86] 2020-12-02 (PCT/US2020/062884)
[87] (WO2021/118843)
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[54] **THREE-POINT HITCH WITH ATTACHABLE IMPLEMENT-ACTUATORS**
[54] **ATTELAGE EN TROIS POINTS AVEC ACTIONNEURS D'OUTIL A FIXER**
[72] MOLLICK, PETER J., US
[71] MOLLICK, PETER J., US
[85] 2022-05-15
[86] 2020-11-30 (PCT/US2020/062562)
[87] (WO2021/113165)
[30] US (62/974,404) 2019-12-05
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[51] **Int.Cl. A63G 3/00 (2006.01) A63G 3/02 (2006.01) A63G 7/00 (2006.01) A63G 21/18 (2006.01)**
[25] EN
[54] **AMUSEMENT RIDE, IN PARTICULAR WATER AMUSEMENT RIDE, AND METHOD FOR OPERATING SUCH AN AMUSEMENT RIDE**
[54] **MANEGE D'ATTRACTION, EN PARTICULIER MANEGE D'ATTRACTION AQUATIQUE, ET PROCEDE DE FONCTIONNEMENT D'UN TEL MANEGE D'ATTRACTION**
[72] BURGER, GUNTER, DE
[71] MACK RIDES GMBH & CO. KG, DE
[85] 2022-05-16
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[30] DE (10 2019 130 956.5) 2019-11-15

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[25] EN
[54] **ELECTRONIC PAYMENT TERMINAL AND CORRESPONDING METHOD FOR OPTIMISING OPERATION AND COMPUTER PROGRAM**
[54] **TERMINAL DE PAIEMENT ELECTRONIQUE, PROCEDE D'OPTIMISATION DU FONCTIONNEMENT ET PROGRAMME D'ORDINATEUR CORRESPONDANTS**
[72] ANDRE, JEROME, FR
[72] SOLEILHAVOUP, OLIVIER, FR
[72] GRANDDIDIER, YANN, FR
[71] BANKS AND ACQUIRERS INTERNATIONAL HOLDING, FR
[85] 2022-05-16
[86] 2020-11-03 (PCT/EP2020/080813)
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[25] EN
[54] **STRIPPER ELEMENT FOR WELLS AND REINFORCING INSERT THEREFOR**
[54] **ELEMENT DE DEMOULAGE POUR PUITS ET INSERT DE RENFORT POUR CELUI-CI**
[72] EMMONS, ORLIN W., US
[72] EMMONS, DARIN W., US
[71] ELASTOMER SPECIALTIES, INC, US
[85] 2022-05-16
[86] 2020-10-30 (PCT/US2020/058222)
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[51] **Int.Cl. A61K 9/14 (2006.01) A61P 25/16 (2006.01) A61P 25/28 (2006.01) C07D 471/10 (2006.01)**
[25] EN
[54] **METHODS OF TREATING COGNITIVE IMPAIRMENT ASSOCIATED WITH NEURODEGENERATIVE DISEASE**
[54] **METHODES DE TRAITEMENT D'UNE DEFICIENCE COGNITIVE ASSOCIEE A UNE MALADIE NEURODEGENERATIVE**
[72] MADSEN, TORSTEN M., US
[72] MARTENYI, FERENC, US
[71] APTINYX INC., US
[85] 2022-05-16
[86] 2020-10-30 (PCT/US2020/058236)
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[51] **Int.Cl. A61B 17/00 (2006.01) A61M 25/00 (2006.01) B05C 17/005 (2006.01)**
[25] EN
[54] **MEDICAL DEVICES FOR ENDOSCOPICALLY DISPENSING AGENTS AND RELATED METHODS OF USE**
[54] **DISPOSITIFS MEDICAUX POUR DISTRIBUTION ENDOSCOPIQUE D'AGENTS ET PROCEDES D'UTILISATION ASSOCIES**
[72] FREDRICKSON, GERALD, US
[72] WHELEHAN, JENNIFER, US
[72] LAPLACA, MATTHEW, US
[72] LYDECKER, LAUREN, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
[85] 2022-05-16
[86] 2020-11-11 (PCT/US2020/059985)
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[51] **Int.Cl. A61K 31/506 (2006.01) A61P 7/02 (2006.01) A61P 31/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 405/14 (2006.01) C07D 413/14 (2006.01)**
[25] EN
[54] **ARYL AMINOPYRIMIDINES AS DUAL MERTK AND TYRO3 INHIBITORS AND METHODS THEREOF**
[54] **ARYLAMINOPYRIMIDINES UTILISEES EN TANT QU'INHIBITEURS DOUBLES DE MERTK ET DE TYRO3 ET LEURS PROCEDES**
[72] KONG, DEYU, US
[72] ZHOU, YUBAI, US
[72] DING, RANSHENG, CN
[72] WANG, XIAODONG, US
[72] FRYE, STEPHEN, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
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[86] 2020-11-13 (PCT/US2020/060559)
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[30] US (62/936,005) 2019-11-15

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[51] **Int.Cl. F16C 11/06 (2006.01) F16C 11/04 (2006.01) G09B 9/12 (2006.01) G09B 9/14 (2006.01)**
[25] EN
[54] **MOTION SIMULATOR FAULT TOLERANT LOAD CARRYING PIVOT CONNECTION**
[54] **LIAISON PIVOT PORTEUSE DE CHARGE INSENSIBLE AUX DEFAILLANCES DE SIMULATEUR AVEC SYSTEME DE MOUVEMENT**
[72] DEANGELIS, RICHARD, US
[72] DE GRAAF, WILLEM A., NL
[71] MOOG INC., US
[85] 2022-05-16
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[51] **Int.Cl. G06F 11/36 (2006.01)**
[25] EN
[54] **BLOCKCHAIN-SMART-CONTRACT DEBUGGING AND RELEASING METHOD AND SYSTEM THEREOF**
[54] **PROCEDE ET SYSTEME DE DEBOGAGE ET DE DIFFUSION DE CONTRATS INTELLIGENTS BASES SUR UNE CHAINE DE BLOCS**
[72] WANG, YUE, CN
[72] LI, RUI, CN
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[72] HAN, SONGJIANG, CN
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[72] FU, JUNJIANG, CN
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[54] **ENVELOPPES D'IMPLANTS MAMMAIRES POUR LIMITER LE MOUVEMENT D'IMPLANTS MAMMAIRES ET METHODES ASSOCIEES**
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[72] HOHL LOPEZ, GERMAN O., US
[72] WILLIAMS, SIMON F., US
[71] TEPHA, INC., US
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[72] PLATTNER, KYLE, US
[71] CLIMATE LLC, US
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[71] GLOBAL BLOOD THERAPEUTICS, INC., US
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[54] **PLATEFORME INFORMATIQUE PERMETTANT D'IDENTIFIER DES TRAITEMENTS THERAPEUTIQUES POUR DES AFFECTIONS NEURODEVELOPPEMENTALES**
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[72] GUNEY, EMRE, ES
[72] PEREZ-CANO, LAURA, ES
[72] SIRCI, FRANCESCO, ES
[72] ARIZ-EXTREME, IGOR, ES
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[54] **BACTERIES D'INGENIERIE GENIQUE POUR LA PRODUCTION DE L-ARGININE ET PROCEDE DE CONSTRUCTION ET APPLICATION DE BACTERIES D'INGENIERIE GENIQUE**
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[72] JIANG, SHUAI, CN
[72] WEN, CHENHUI, CN
[72] WU, HEYUN, CN
[72] LIU, YINING, CN
[72] LI, XUAN, CN
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[54] **PROCEDE DE PRODUCTION D'UN ACIDE DICARBOXYLIQUE**
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[71] CORVAY BIOPRODUCTS GMBH, DE
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[54] **PROCEDE ET SYSTEME D'AFFICHAGE DU PRIX D'UNE MARCHANDISE NON DISPONIBLE, ET SUPPORT DE STOCKAGE**
[72] YU, WANGWEI, CN
[72] ZHAI, CONGCONG, CN
[72] SI, XIAOBO, CN
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[54] **CLOISON SECHE, KIT ET PROCEDE DE CONSTRUCTION D'UNE CLOISON SECHE**
[72] SEIDEL, JOCHEN, DE
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[54] **ENSEMBLE INHALATEUR DE POUDRE**
[72] TWEEDIE, ALAN, IT
[72] MITCHELL, COLIN, IT
[72] SANDERS, ALAN, IT
[72] HEIDT, ANDREW T., IT
[72] SZARKA, GYORGY, IT
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[71] BAE SYSTEMS PLC, GB
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[71] RHIZOMENET PTY. LTD., AU
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[72] HOLTHUIS, BEER, NL
[72] BAKKER, WRIDZER JAN WILLEM, NL
[72] THYS, FERRY LUDOVICUS, BE
[71] PLANTICS HOLDING B.V., NL
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[54] **VISEUR OPTIQUE PRISMATIQUE COMPACT AVEC PROCEDE DE REMISE A ZERO INTERNE**
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[71] RAYTHEON CANADA LTD.-ELCAN, CA
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[54] **COMPOSITIONS ET PROCEDES D'IDENTIFICATION DE RECEPTEUR DE LYMPHOCYTE T**
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[72] PORTER, ELY, US
[71] ROOTPATH GENOMICS, INC., US
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[54] **COMPOSITION DURCISSABLE POUR IMPRESSION DENTAIRE**
[72] ROSSI, MASSIMO, IT
[72] BASSO, ALBERTO, IT
[72] GALLIERA, LORENZO, IT
[71] DENTSPLY SIRONA INC., US
[71] ZHERMACK SPA, IT
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[54] **METHOD OF ASSESSING INK DEPOSITION ACCURACY IN AN ELECTRONIC DEVICE PRINTING PROCESS**
[54] **PROCEDE D'EVALUATION DE LA PRECISION DE DEPOT D'ENCRE DANS UN PROCEDE D'IMPRESSION DE DISPOSITIF ELECTRONIQUE**
[72] BLANCHARD, FRANCOIS, CA
[72] ZHULDYBINA, MARIIA, CA
[71] SOCOVAR SOCIETE EN COMMANDITE, CA
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[54] **CO-CRISTAUX DE COMPOSES STEROIDES ET SECOSTEROIDES ET COMPOSITIONS LES COMPRENANT**
[72] BOFILL HERRERA, LIDIA, ES
[72] DE SANDE LOPEZ, DAFNE, ES
[72] PROHENS LOPEZ, RAFEL, ES
[72] BARBAS CANERO, RAFAEL, ES
[71] CENTER FOR INTELLIGENT RESEARCH IN CRYSTAL ENGINEERING, S.L., ES
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[72] KERSCHBAUMER, RANDOLF, AT
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[54] **AGENCEMENT DE SUPPORT POUR UNE UNITE UTILISEE DANS UN ENVIRONNEMENT DE VENTE AU DETAIL**
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[71] PRICER AB, SE
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[54] **DISPOSITIF DE DEPRESSURISATION ET DE VIDANGE POUR BOITIER AEROSOL**
[72] MICHELOT, CLAUDE BERNARD, FR
[71] TECHNIMA HOLDING, FR
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[54] **PROCEDE ASSISTE PAR ORDINATEUR ET DISPOSITIF POUR COMMANDER UNE CENTRALE A BETON**
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[72] BAECHLE, HELMUT, DE
[71] PERI SE, DE
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[54] **CELLULES CAR-T ALLOGENIQUES DERIVEES DE PLACENTA ET LEURS UTILISATIONS**
[72] KARASIEWICZ-MENDEZ, KATHY, US
[72] HE, SHUYANG, US
[72] TESS, KRISTINA, US
[72] LING, WEIFANG, US
[72] JHUN, KEVIN, US
[72] ZELDIS, JEROME B., US
[72] HARIRI, ROBERT J., US
[72] ZHANG, XIAOKUI, US
[72] MA, QIANGZHONG, US
[72] GUO, WENZHONG, US
[72] ZHANG, YANLIANG, US
[72] JI, HENRY HONGIUN, US
[71] CELULARITY INC., US
[71] SORRENTO THERAPEUTICS, INC., US
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[54] **METHODS OF MANUFACTURING PERMANENT MAGNETS BY ADDITIVE MANUFACTURING**
[54] **PROCEDES DE FABRICATION D'AIMANTS PERMANENTS PAR FABRICATION ADDITIVE**
[72] LAMARRE, JEAN-MICHEL, CA
[72] BERNIER, FABRICE, CA
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[54] **SYSTEME DE VERROUILLAGE MECANIQUE POUR PANNEAUX**
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[72] SIMUNIC, ZORAN, SE
[71] VALINGE INNOVATION AB, SE
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[54] **RECIPIENT CONTENANT UNE MATIERE VEGETALE POUR LA PREPARATION D'UNE BOISSON AU THE**
[72] CLULOW, JAMES,STUART, CH
[72] MARTIN, OLIVIER JEAN-MICHEL, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
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[54] **CONTAINER WITH TAB**
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[72] TALON, CHRISTIAN, CH
[72] KOLLEP, ALEXANDRE, CH
[72] HEYDEL, CHRISTOPHE SEBASTIEN PAUL, CH
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[54] **PLATEFORME FLOTTANTE POUR SOUTENIR DES GENERATRICES D'ENERGIE DERIVEE DUVENT ET/OU DES VAGUES ET/OU DES COURANTS OCEANIQUES**
[72] MARTINEZ DE AZCOITIA FERNANDEZ, MANUEL, ES
[71] FIROVI, S.A., ES
[71] MARTINEZ DE AZCOITIA FERNANDEZ, MANUEL, ES
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[54] **METHOD AND APPARATUS FOR ATTACHING A TRAMPOLINE MAT TO A TRAMPOLINE FRAME**
[54] **PROCEDE ET APPAREIL DE FIXATION D'UN TAPIS DE TRAMPOLINE A UN CADRE DE TRAMPOLINE**
[72] WOODMAN, DAVID, GB
[72] DENBY, LUKE, GB
[72] BAJARD, PHILIPPE, FR
[72] MAZOYER, JOSEPH, FR
[71] PLUM PRODUCTS LTD, GB
[71] DESIGN OFFICE SARL, FR
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[54] **VACCINES BASED ON MUTANT CALR AND JAK2 AND THEIR USES**
[54] **VACCINS BASES SUR LES MUTANTS DU GENE CALR ET DE LA PROTEINE JAK2 ET LEURS UTILISATIONS**
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[72] DEHART, JASON, US
[72] KHAN, SELINA, NL
[72] KRISHNA, VINOD, US
[72] LUM, JENIFER, US
[72] MAINE, CHRISTIAN, US
[72] SANDERS, BARBARA, NL
[72] SEPULVEDA, MANUEL ALEJANDRO, US
[72] WILKINSON, PATRICK, US
[72] ZAHN, ROLAND, NL
[71] JANSSEN BIOTECH, INC., US
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[54] **METHODS OF TREATING LUPUS NEPHRITIS USING INTERLEUKIN-17 (IL-17) ANTAGONISTS**
[54] **METHODES DE TRAITEMENT D'UNE NEPHROPATHIE LUPIQUE A L'AIDE D'ANTAGONISTES DE L'INTERLEUKINE-17 (IL-17)**
[72] HUEBER, WOLFGANG, CH
[72] MPOFU, SHEPHARD, CH
[72] PRICOP, LUMINITA, US
[71] NOVARTIS AG, CH
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[54] **METHODS OF ENHANCING AND EXPEDITING EXPRESSION OF ANTIBODIES**
[54] **PROCEDES D'AMELIORATION ET D'ACCELERATION DE L'EXPRESSION D'ANTICORPS**
[72] NGO, KATHY, US
[72] WOO, JENIFER, US
[72] PHAM, BINH, US
[72] TRUONG-LE, VU, US
[71] ARIDIS PHARMACEUTICALS, INC., US
[71] NGO, KATHY, US
[71] WOO, JENIFER, US
[71] PHAM, BINH, US
[71] TRUONG-LE, VU, US
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[54] **DECK ASSEMBLIES FOR VIBRATORY SEPARATORS**
[54] **ENSEMBLES PLATEAUX POUR SEPARATEURS VIBRATOIRES**
[72] FEDDERS, JOHN, US
[71] SCHLUMBERGER CANADA LIMITED, CA
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[54] **FALL PROTECTION SYSTEM**
[54] **SYSTEME DE PROTECTION CONTRE LES CHUTES**
[72] STRAUSS, ANDREW C., US
[72] BAUER, NICHOLAS G., US
[72] WEISS, MICHAEL T., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **SEALED ENCLOSURE POWER CONTROL SYSTEM**
[54] **SYSTEME DE COMMANDE DE PUISSANCE D'ENCEINTE ETANCHE**
[72] DEJONG, TRAVIS, US
[72] JORGENSON, ADAM, US
[72] WOHL, THOMAS, US
[72] JORGENSON, JOEL, US
[71] BWR INNOVATIONS LLC, US
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[54] **EMULSIFIERS FOR EPOXY RESINS, AQUEOUS EPOXY RESIN DISPERSIONS COMPRISING THE SAME, AND METHODS FOR PREPARATION THEREOF**
[54] **EMULSIFIANTS POUR RESINES EPOXYDES, DISPERSIONS AQUEUSES DE RESINES EPOXYDES LES COMPRENANT, ET LEURS PROCEDES DE PREPARATION**
[72] TONG, QING FENG, CN
[72] MA, SU CHUAN, CN
[72] SZARVAS, LASZLO, CN
[71] BASF SE, DE
[85] 2022-05-17
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[54] **APPARATUS AND METHOD FOR PRODUCING A THREE-DIMENSIONAL SHAPED OBJECT**
[54] **APPAREIL ET PROCEDE PERMETTANT DE FABRIQUER UN ARTICLE MOULE TRIDIMENSIONNEL**
[72] MATHEA, HANS, DE
[71] DP POLAR GMBH, DE
[85] 2022-05-17
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[54] **SUNFLOWER BARK EXTRACT AND USES THEREOF**
[54] **EXTRAIT D'ECORCE DE TOURNESOL ET UTILISATIONS DE CELUI-CI**
[72] GEELEN, DANNY, BE
[72] EVON, PHILIPPE, FR
[72] CAMMUE, BRUNO, BE
[72] HAESAERT, GEERT, BE
[72] KYNDT, TINA, BE
[72] WERBROUCK, STEFAAN, BE
[71] UNIVERSITEIT GENT, BE
[71] KATHOLIEKE UNIVERSITEIT LEUVEN, BE
[71] INSTITUT NATIONAL POLYTECHNIQUE DE TOULOUSE, FR
[71] INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE, FR
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[54] **PRAME TCR RECEPTORS AND USES THEREOF**
[54] **RECEPTEURS DE PRAME TCR ET UTILISATIONS CORRESPONDANTES**
[72] WEIS, MANON, DE
[72] KEHLER, PATRIK, DE
[72] GERGET, MARIA, DE
[72] KRENDL, CHRISTIAN, DE
[72] WILDE, SUSANNE, DE
[71] BIONTECH SE, DE
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[54] **ANTIBODIES TARGETING, AND OTHER MODULATORS OF, THE CD276 ANTIGEN, AND USES THEREOF**
[54] **ANTICORPS CIBLANT L'ANTIGENE CD276 ET AUTRES MODULATEURS DE CELUI-CI, ET LEURS UTILISATIONS**
[72] JUNG, GUNDRAM, DE
[72] SALIH, HELMUT, DE
[72] ZEKRI, LATIFA, DE
[72] PFLUGLER, MARTIN, DE
[72] HORNER, SEBASTIAN, DE
[72] MANZ, TIMO, DE
[71] DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES OFFENTLICHEN RECHTS, DE
[71] EBERHARD-KARLS-UNIVERSITAT TUBINGEN, DE
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[25] EN
[54] **ANTI-CD79 CHIMERIC ANTIGEN RECEPTORS, CAR-T CELLS, AND USES THEREOF**
[54] **RECEPTEURS ANTIGENIQUES CHIMERIQUES ANTI-CD79, CELLULES CAR-T, ET LEURS UTILISATIONS**
[72] GANESAN, RAJKUMAR, US
[72] LASORSA, ELENA, BE
[72] PHILIPPAR, ULRIKE, BE
[71] JANSSEN BIOTECH, INC., US
[85] 2022-05-17
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[51] **Int.Cl. B24D 11/00 (2006.01) B24D 18/00 (2006.01)**
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[54] **ABRASIVE ARTICLE WITH PATTERNED ABRASIVE PARTICLES**
[54] **ARTICLE ABRASIF COMPRENANT DES PARTICULES ABRASIVES A MOTIFS**
[72] LIU, LAN HONG, US
[72] MARTINEZ, JAIME A., US
[72] CHONG CONKLIN, BATHSHEBA E., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2022-05-17
[86] 2020-11-18 (PCT/IB2020/060866)
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[51] **Int.Cl. A61K 36/00 (2006.01)**
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[54] **HOMEOPATHIC TOPICAL COMPOSITION**
[54] **COMPOSITION TOPIQUE HOMEOPATHIQUE**
[72] GUPTE, VAIDEHI PARNAD, IN
[72] GODOLE, SHREEKANT NAGESH, IN
[71] V P LYF, IN
[85] 2022-05-16
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[30] IN (201921046308) 2019-11-14

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[25] EN
[54] **A CONTINUOUS FLOW PROCESS FOR THE SYNTHESIS OF HYDROXAMIC ACID**
[54] **PROCEDE A FLUX CONTINU POUR LA SYNTHESE D'ACIDE HYDROXAMIQUE**
[72] PIMPALE, MILIND JAGANNATH, IN
[72] KINI, PRASHANT VASANT, IN
[71] UPL LIMITED, IN
[85] 2022-05-16
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[25] EN
[54] **DOSAGE AND ADMINISTRATION OF A BACTERIAL SACCHARIDE GLYCOCONJUGATE VACCINE**
[54] **DOSAGE ET ADMINISTRATION D'UN VACCIN A BASE DE GLYCOCONJUGUE DE SACCHARIDE BACTERIEN**
[72] ADAMO, ROBERTO, IT
[72] DEL GIUDICE, GIUSEPPE, IT
[72] PHOGAT, SANJAY, IT
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2022-05-16
[86] 2020-11-19 (PCT/IB2020/060901)
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[25] EN
[54] **TRACKED VEHICLE COMPRISING A USER INTERFACE**
[54] **VEHICULE A CHENILLES COMPRENANT UNE INTERFACE UTILISATEUR**
[72] CASARTELLI, RICHARD, IT
[72] KIRCHMAIR, MARTIN, IT
[72] PAOLETTI, ALBERTO, IT
[72] SALIS, FRANCESCO, IT
[71] PRINOTH S.P.A., IT
[85] 2022-05-16
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[54] **MIXTURE OF HMOS**
[54] **MELANGE DE HMO**
[72] VIGSNAS, LOUISE KRISTINE, DK
[72] MCCONNELL, BRUCE, CH
[72] SEITZBERG, DORTHE, DK
[72] AMUNDSEN, INGVILD DYBDRODT, DK
[71] GLYCOM A/S, DK
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[25] EN
[54] **MODULAR ROBOTIC SYSTEM FOR DRIVING MOVEMENT OF SURGICAL TOOLS**
[54] **SYSTEME ROBOTIQUE MODULAIRE POUR ENTRAINER LE MOUVEMENT D'OUTILS CHIRURGICAUX**
[72] SHARON, SIMON, IL
[72] BOADER, IDAN, IL
[72] KOFMAN, EVGENY, IL
[72] COHEN, ERAN, IL
[72] MORAG, EYAL, IL
[72] GADOT, HAREL, US
[72] SHOHAM, MOSHE, IL
[71] MICROBOT MEDICAL LTD., IL
[71] TECHNION RESEARCH & DEVELOPMENT FOUNDATION LTD., IL
[85] 2022-05-16
[86] 2020-11-26 (PCT/IL2020/051224)
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[51] **Int.Cl. A61K 31/55 (2006.01) C07D 223/14 (2006.01) C07D 223/16 (2006.01)**
[25] EN
[54] **COMPOUNDS AND COMPOSITIONS FOR TREATING CNS DISORDERS**
[54] **COMPOSES ET COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES DU SYSTEME NERVEUX CENTRAL**
[72] SPEAR, KERRY L., US
[72] BURDI, DOUGLAS, US
[71] BLUE OAK PHARMACEUTICALS, INC., US
[85] 2022-05-16
[86] 2020-12-29 (PCT/US2020/067298)
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[30] US (62/956,895) 2020-01-03
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[54] **TUNABLE TRANSPOSON SYSTEMS**
[54] **SYSTEMES DE TRANSPOSON AJUSTABLES**
[72] NGO, KATHY, US
[72] WOO, JENIFER, US
[72] PHAM, BINH, US
[72] TRUONG-LE, VU, US
[71] ARIDIS PHARMACEUTICALS, INC., US
[71] NGO, KATHY, US
[71] WOO, JENIFER, US
[71] PHAM, BINH, US
[71] TRUONG-LE, VU, US
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[51] **Int.Cl. B63G 8/00 (2006.01) B63G 8/08 (2006.01) B63H 21/17 (2006.01)**
[25] EN
[54] **FUEL CELL CHARGING SYSTEM WITH AIR BREATHING CAPABILITY, AUTONOMOUS UNDERWATER VEHICLE (AUV) SYSTEM INCLUDING SAME, AND METHOD OF USE**
[54] **SYSTEME DE CHARGE DE PILE A COMBUSTIBLE A CAPACITE DE RESPIRATION D'AIR, SYSTEME DE VEHICULE SOUS-MARIN AUTONOME (AUV) COMPRENANT CELUI-CI, ET PROCEDE D'UTILISATION**
[72] WOLFEL, JOSEF, US
[72] KAUFFMAN, JUDSON, US
[72] RESNICK, ANDREW, US
[72] CHILDRESS, KENNETH, US
[72] PEARSON, DAVID, US
[71] TERRADEPTH, INC., US
[85] 2022-05-16
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[54] **PROCESSING METHOD**
[54] **PROCEDE DE TRAITEMENT**
[72] BURLEY, ADAM JAMES, US
[72] ALCAYAGA ZUNIGA, JAVIERA DEL PILAR, US
[72] MLADINIC MUNOZ, YURE ANTON, US
[71] RIO TINTO TECHNOLOGICAL RESOURCES INC., US
[85] 2022-05-16
[86] 2021-07-30 (PCT/US2021/043869)
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[25] EN
[54] **ROBOTIC MANIPULATION OF A SURGICAL TOOL HANDLE**
[54] **MANIPULATION ROBOTIQUE D'UNE POIGNEE D'OUTIL CHIRURGICAL**
[72] SHARON, SIMON, IL
[72] BOADER, IDAN, IL
[72] KOFMAN, EVGENY, IL
[72] COHEN, ERAN, IL
[72] MORAG, EYAL, IL
[72] GADOT, HAREL, US
[72] SHOHAM, MOSHE, IL
[71] MICROBOT MEDICAL LTD., IL
[71] TECHNION RESEARCH & DEVELOPMENT FOUNDATION LTD., IL
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[54] **NOVEL TLR9 AGONISTS**
[54] **NOUVEAUX AGONISTES DE TLR9**
[72] ESASHI, EIJI, JP
[71] SBI BIOTECH CO., LTD., JP
[85] 2022-05-16
[86] 2021-01-08 (PCT/JP2021/000543)
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[51] **Int.Cl. A01J 5/007 (2006.01) A01J 5/00 (2006.01)**
[25] EN
[54] **METHOD AND MILKING DEVICE FOR MILKING A DAIRY ANIMAL**
[54] **PROCEDE ET DISPOSITIF DE TRAITE POUR LA TRAITE D'UN ANIMAL LAITIER**
[72] JENNEN, PETER LEONARDUS HENDRICUS, NL
[72] DE GROOT, PIETER GERLOF, NL
[71] LELY PATENT N.V., NL
[85] 2022-05-16
[86] 2020-11-25 (PCT/NL2020/050740)
[87] (WO2021/118342)
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[25] EN
[54] **A METHOD AND ARRANGEMENT FOR A BATTERY POWERED MINING MACHINE**
[54] **PROCEDE ET AGENCEMENT POUR UNE MACHINE D'EXPLOITATION MINIERE ALIMENTEE PAR BATTERIE**
[72] SARNBRINK, JOHAN, SE
[72] TORNQVIST, JOACIM, SE
[71] EPIROC ROCK DRILLS AKTIEBOLAG, SE
[85] 2022-05-16
[86] 2020-12-28 (PCT/SE2020/051263)
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[30] SE (2050027-8) 2020-01-15

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[54] **ARTHROSCOPIC DEVICES AND METHODS**
[54] **DISPOSITIFS ET PROCEDES D'ARTHROSCOPIE**
[72] GERMAIN, AARON, US
[72] NORTON, JEFF, US
[71] RELIGN CORPORATION, US
[85] 2022-05-16
[86] 2020-11-24 (PCT/US2020/062095)
[87] (WO2021/108456)
[30] US (62/940,455) 2019-11-26
[30] US (16/792,099) 2020-02-14

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[13] A1
[51] **Int.Cl. C22B 3/18 (2006.01) C22B 3/10 (2006.01) C25C 1/12 (2006.01)**
[25] EN
[54] **RECOVERING METAL FROM METAL-BEARING MATERIAL**
[54] **RECUPERATION DE METAL A PARTIR D'UN MATERIAU METALLIFERE**
[72] FENNEL, MARK JAMES, US
[72] HACKL, RALPH PETER, US
[72] BROWN, PAUL LESLIE, US
[72] BURLEY, ADAM JAMES, US
[72] ALCAYAGA ZUNIGA, JAVIERA DEL PILAR, US
[72] MLADINIC MUNOZ, YURE ANTON, US
[71] RIO TINTO TECHNOLOGICAL RESOURCES INC., US
[85] 2022-05-16
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[51] **Int.Cl. A61N 5/06 (2006.01) A63B 69/00 (2006.01) A63B 71/00 (2006.01)**
[25] EN
[54] **PHOTOBIOMODULATION SYSTEM FOR IMPROVING ATHLETIC PERFORMANCE**
[54] **SYSTEME DE PHOTOBIOMODULATION POUR AMELIORER LES PERFORMANCES ATHLETIQUES**
[72] LIM, LEW, CA
[71] LIM, LEW, CA
[85] 2022-05-17
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[54] **HYDROGEN SUPPLY SYSTEM**
[54] **SYSTEME D'ALIMENTATION EN HYDROGENE**
[72] OKANO, HIROSHI, JP
[72] TAKAGI, SHUSAKU, JP
[72] ISHIKAWA, NOBUYUKI, JP
[72] NAGAO, AKIHIDE, JP
[72] MATSUBARA, KAZUKI, JP
[72] TAKANO, TOSHIO, JP
[72] KADOTA, KOTARO, JP
[72] YAMAGUCHI, NORIKAZU, JP
[72] HASEGAWA, TAKUYA, JP
[72] KUNO, HIROKI, JP
[71] JFE STEEL CORPORATION, JP
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[54] **PNEUMATIC OR HYDRAULIC POWERED TISSUE CLOSURE DEVICES**
[54] **DISPOSITIFS PNEUMATIQUES OU HYDRAULIQUES DE FERMETURE DE TISSUS**
[72] COMEE, SHAUN D., US
[72] VENUTO, KATHRYN, US
[71] BOSTON SCIENTIFIC SCIMED, INC., US
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[54] **IMPROVED PRESSURE RELIEF DEVICE**
[54] **DISPOSITIF DE DECOMPRESSION AMELIORE**
[72] MORGAN, DAVID NEIL, US
[72] VOLKMER, MICHAEL GREGORY, US
[72] CEDERBERG, CHAD ALVIN, US
[72] LAMPE, GLEN EDWARD, US
[71] AGILITY FUEL SYSTEMS LLC, US
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[25] EN
[54] **ELECTRIC VEHICLE POWER DISTRIBUTION AND DRIVE CONTROL MODULES**
[54] **MODULES DE COMMANDE D'ENTRAINEMENT ET DE DISTRIBUTION D'ENERGIE DE VEHICULE ELECTRIQUE**
[72] MCKIBBEN, ETHAN J., US
[72] HEFFELFINGER, AARON, US
[72] SLOAN, TODD F., US
[72] COUPAL-SIKES, ERIC M., US
[72] FOSTER, JORDAN, US
[72] PARKER, BENJAMIN, US
[71] HEXAGON PURUS NORTH AMERICA HOLDINGS INC., US
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[25] EN
[54] **SYSTEMS AND METHODS FOR AUTOMATIC MODEL GENERATION**
[54] **SYSTEMES ET PROCEDES DE GENERATION AUTOMATIQUE DE MODELE**
[72] BUDZIK, JEROME LOUIS, US
[71] ZESTFINANCE, INC., US
[85] 2022-05-17
[86] 2020-11-25 (PCT/US2020/062235)
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[54] **COMBINED HUMAN AND PET WELLNESS FACILITY**
[54] **INSTALLATION COMBINEE DE BIEN-ETRE POUR ETRES HUMAINS ET ANIMAUX DE COMPAGNIE**
[72] WYATT, LORI, US
[71] THE ANIMAL DOCTOR, LTD., US
[85] 2022-05-17
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[51] **Int.Cl. C08K 7/14 (2006.01) E04B 1/62 (2006.01) F16L 59/02 (2006.01)**
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[54] **FIBERGLASS INSULATION PRODUCT**
[54] **PRODUIT D'ISOLATION EN FIBRES DE VERRE**
[72] GRANT, LARRY J., US
[72] HOUPT, RONALD A., US
[72] BOONE, TENO, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2022-05-17
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[51] **Int.Cl. C08K 5/11 (2006.01) C08K 9/04 (2006.01) D06M 15/11 (2006.01)**
[25] EN
[54] **FIBERGLASS INSULATION PRODUCT**
[54] **PRODUIT D'ISOLATION EN FIBRE DE VERRE**
[72] MUELLER, GERT, US
[72] BRODERICK, ANDREW, US
[72] ZHANG, XIUJUAN, US
[72] CHEN, LIANG, US
[72] SMITH, KENDEL, US
[72] GRANT, LARRY J., US
[72] HOUPT, RONALD A., US
[72] BOONE, TENO, US
[72] NEWSOME, TONI ELWELL, US
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
[85] 2022-05-17
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[30] US (62/945,318) 2019-12-09
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[54] **ON-BOARD TOILET CUBICLE**
[54] **CABINE DE TOILETTES EMBARQUEE**
[72] RODRIGUEZ-CONDE, JESUS, AT
[72] HOLLER, ELISABETH, AT
[72] HATZMANN, BERNHARD, AT
[72] GUROCAK, MAXIMILIAN, DE
[71] FACC AG, AT
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[51] **Int.Cl. B03C 1/04 (2006.01)**
[25] EN
[54] **MAGNET ASSEMBLY TO PREVENT EXTRACTION PARTICLE CARRYOVER**
[54] **ENSEMBLE D'AIMANTS POUR EMPECHER L'ENTRAINEMENT DE PARTICULES D'EXTRACTION**
[72] CARRESE, EDWARD, US
[72] DAVIET, ALEXANDRE, US
[72] RAO, ROHINI, US
[72] SHEDLOSKY, ALYSSA, US
[72] HOPWOOD, BEN, US
[72] LIVINGSTON, DWIGHT, US
[71] BECTON, DICKINSON AND COMPANY, US
[85] 2022-05-17
[86] 2020-12-10 (PCT/US2020/064190)
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[25] EN
[54] **LIQUID TASIMELTEON FORMULATIONS AND METHODS OF USE THEREOF**
[54] **FORMULATIONS LIQUIDES DE TASIMELTEON ET LEURS PROCEDES D'UTILISATION**
[72] PHADKE, DEEPAK, US
[72] POLYMEROPOULOS, MIHAEL, US
[71] VANDA PHARMACEUTICALS INC., US
[85] 2022-05-17
[86] 2020-12-11 (PCT/US2020/064555)
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[25] EN
[54] **FLUOROGENIC BETA-LACTAMASE SUBSTRATE AND ASSOCIATED DETECTION METHOD**
[54] **SUBSTRAT DE BETA-LACTAMASE FLUOROGENIQUE ET METHODE DE DETECTION ASSOCIEE**
[72] HASSERODT, JENS, FR
[72] BORDY, MATHIEU, FR
[72] GLENADEL, QUENTIN, FR
[72] VERRIER, CHARLIE, FR
[71] MOLSID, FR
[71] ECOLE NORMALE SUPERIEURE DE LYON, FR
[71] UNIVERSITE CLAUDE BERNARD LYON 1, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR
[85] 2022-05-18
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[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **DEVICE, SYSTEM, AND METHOD FOR TRANSCATHETER TREATMENT OF VALVULAR REGURGITATION**
[54] **DISPOSITIF, SYSTEME ET PROCEDE DE TRAITEMENT TRANSCATHETER DE LA REGURGITATION VALVULAIRE**
[72] KHAIRKHAHAN, ALEXANDER K., US
[71] POLARES MEDICAL INC., US
[85] 2022-05-17
[86] 2020-12-16 (PCT/US2020/065261)
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[54] **ISOLATION DEVICE WITH INNER MANDREL REMOVED AFTER SETTING**
[54] **DISPOSITIF D'ISOLATION AVEC MANDRIN INTERNE RETIRE APRES DISPOSITION**
[72] SMITH, DONALD RAY, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2022-05-17
[86] 2021-02-15 (PCT/US2021/018102)
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[25] EN
[54] **NEW STRAINS OF LACTIC ACID BACTERIA, FOOD COMPOSITION COMPRISING THEM, PREPARATION OF SUCH COMPOSITION**
[54] **NOUVELLES SOUCHES DE BACTERIES LACTIQUES, COMPOSITION ALIMENTAIRE LES COMPRENANT, PREPARATION DE LADITE COMPOSITION**
[72] RIZZELLO, CARLO GIUSEPPE, IT
[72] RAHO, SUSANNA, IT
[72] DINGEO, CINZIA, IT
[72] CAROFIGLIO, VITO EMANUELE, IT
[72] CENTRONE, DOMENICO, IT
[71] CELERY S.R.L, IT
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[25] EN
[54] **FILTERING-BASED IMAGE CODING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE CODAGE D'IMAGE BASE SUR UN FILTRAGE**
[72] HENDRY, HENDRY, KR
[72] PALURI, SEETHAL, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-05-17
[86] 2020-11-17 (PCT/KR2020/016140)
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[25] EN
[54] **ARTIFICIAL NANOPORES AND USES AND METHODS RELATING THERETO**
[54] **NANOPORES ARTIFICIELS ET UTILISATIONS ET PROCEDES ASSOCIES**
[72] MAGLIA, GIOVANNI, NL
[72] ZHANG, SHENGLI, NL
[71] RIJKSUNIVERSITEIT GRONINGEN, NL
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[25] EN
[54] **DISSOLVABLE POLYMERIC EYE INSERTS WITH A BIODEGRADABLE POLYMER**
[54] **INSERTS OCULAIRES POLYMERES SOLUBLES AVEC UN POLYMERE BIODEGRADABLE**
[72] KETELSON, HOWARD ALLEN, US
[72] RANGARAJAN, REKHA, US
[71] ALCON INC., CH
[85] 2022-05-18
[86] 2020-12-08 (PCT/IB2020/061644)
[87] (WO2021/116907)
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[51] **Int.Cl. B65D 3/14 (2006.01) B31B 50/59 (2017.01) B31F 1/00 (2006.01)**
[25] EN
[54] **METHOD OF PRODUCING A PACKAGING CONTAINER, A PACKAGING CONTAINER AND A CURLING TOOL**
[54] **PROCEDE DE PRODUCTION DE CONTENANT D'EMBALLAGE, CONTENANT D'EMBALLAGE ET OUTIL DE BORDAGE**
[72] HOLKA, SIMON, SE
[71] AR PACKAGING SYSTEMS AB, SE
[85] 2022-05-17
[86] 2020-12-09 (PCT/SE2020/051184)
[87] (WO2021/118441)
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[25] EN
[54] **REINFORCEMENT FRAME FOR A BATTERY PACK OF AN ELECTRIC OR HYBRID VEHICLE, REINFORCED BATTERY PACK AND PROCESS FOR ASSEMBLING SAID BATTERY PACK**
[54] **CADRE DE RENFORT POUR BLOC-BATTERIE DE VEHICULE ELECTRIQUE OU HYBRIDE, BLOC-BATTERIE RENFORCE ET PROCEDE D'ASSEMBLAGE DUDIT BLOC-BATTERIE**
[72] TANDON, GAGAN, US
[72] ZUMMALLEN, ROBERT, US
[71] ARCELORMITTAL, LU
[85] 2022-05-18
[86] 2020-12-08 (PCT/IB2020/061635)
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[30] IB (PCT/IB2019/061006) 2019-12-18

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[51] **Int.Cl. B01J 19/12 (2006.01) A61L 2/10 (2006.01) A61L 9/20 (2006.01) C02F 1/32 (2006.01)**
[25] EN
[54] **DEVICE FOR ULTRAVIOLET IRRADIATION OF FLUIDS WITH INTEGRATED CONTAINER**
[54] **DISPOSITIF DE RAYONNEMENT ULTRAVIOLET DE FLUIDES AVEC UN RECIPIENT INTEGRE**
[72] TAGHIPOUR, FARIBORZ, CA
[71] THE UNIVERSITY OF BRITISH COLUMBIA, CA
[85] 2022-05-18
[86] 2020-12-18 (PCT/CA2020/051771)
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[30] US (62/950,414) 2019-12-19

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[51] **Int.Cl. E21B 47/00 (2012.01) E21B 43/00 (2006.01) E21B 43/267 (2006.01) E21B 47/06 (2012.01) G06F 17/40 (2006.01)**
[25] EN
[54] **AUTOMATED DETECTION OF PLUG AND PERFORATE COMPLETIONS, WELLHEADS AND WELLSITE OPERATION STATUS**
[54] **DETECTION AUTOMATISEE DE COMPLETIONS DE BOUCHON ET DE PERFORATION, DE TETES DE PUITS ET D'ETAT DE FONCTIONNEMENT DE SITE DE FORAGE**
[72] WARNER, WILLIAM DEAN, CA
[72] BERGMANN, CRAIG ANTHONY, CA
[72] PACURARI, NICOLAI CALIN, CA
[72] NUNEZ, HECTOR ARTURO, CA
[71] COLD BORE TECHNOLOGY INC., CA
[85] 2022-05-18
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[25] EN
[54] **COMPOSITE MATERIALS COMPRISING A REINFORCING KNITTED STRUCTURE AND A RESIN, AND A PRODUCTION METHOD**
[54] **MATERIAUX COMPOSITES COMPRENANT UN MODE DE LIAGE DE RENFORCEMENT ET UNE RESINE, ET PROCEDE DE PRODUCTION**
[72] DUMONT, NICOLAS, FR
[72] MAO, GAETAN, FR
[71] SAINT-GOBAIN PERFORMANCE PLASTICS FRANCE, FR
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[86] 2020-11-19 (PCT/EP2020/082700)
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[30] FR (FR1913108) 2019-11-22

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[51] **Int.Cl. C12N 9/22 (2006.01) C12N 15/10 (2006.01)**
[25] EN
[54] **ANTI-BACTERIAL CRISPR COMPOSITIONS AND METHODS**
[54] **COMPOSITIONS ET PROCEDES A CRISPR ANTIBACTERIEN**
[72] GRAY, BENJAMIN NEIL, US
[72] NEUMANN, GINA CHRISTINE, US
[71] BENSON HILL, INC., US
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[86] 2020-11-19 (PCT/IB2020/060935)
[87] (WO2021/099996)
[30] US (62/937,534) 2019-11-19

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[25] EN
[54] **DISPENSING ASSEMBLY FOR A SNOW GENERATOR AND SNOW GENERATOR COMPRISING SAID DISPENSING ASSEMBLY**
[54] **ENSEMBLE DE DISTRIBUTION DESTINE A UN GENERATEUR DE NEIGE ET GENERATEUR DE NEIGE COMPRENANT LEDIT ENSEMBLE DE DISTRIBUTION**
[72] STUFFER, FLORIAN, IT
[72] FRONTULL, ACHIM, IT
[71] DEMACLENKO IT S.R.L., IT
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[86] 2020-11-20 (PCT/IB2020/060975)
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[51] **Int.Cl. B01D 61/24 (2006.01) B01D 67/00 (2006.01) B01D 69/02 (2006.01) B01D 69/12 (2006.01) B01D 71/40 (2006.01)**
[25] EN
[54] **METHODS FOR COUPLING A LIGAND TO A COMPOSITE MATERIAL**
[54] **PROCEDES DE COUPLAGE D'UN LIGAND A UN MATERIAU COMPOSITE**
[72] STONE, MATTHEW, US
[72] RAHANE, SANTOSH, US
[72] UMANA, JOAQUIN, US
[72] SKARJA, GARY, US
[72] KOMKOVA, ELENA, US
[72] VANDERSLUIS, MELISSA, CA
[72] RAGHEB, AMRO, US
[71] MERCK MILLIPORE LTD., IE
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[87] (WO2021/099522)
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[25] EN
[54] **COMPOSITIONS AND METHODS FOR RAPID IDENFICATION AND PHENOTYPIC ANTIMICROBIAL SUSCEPTIBILITY TESTING OF BACTERIA AND FUNGI**
[54] **COMPOSITIONS ET PROCEDES D'IDENTIFICATION RAPIDE ET TEST PHENOTYPIQUE DE LA SENSIBILITE ANTIMICROBIENNE DE BACTERIES ET DE CHAMPIGNONS**
[72] ABDON, PAULINO, US
[72] CADY, KYLE, C., US
[72] CHAN, RYAN, US
[72] HANSON, BRETT, US
[72] MEHTA, ROCHAK, US
[72] RABANG, TROY, US
[72] LIN, PATRICK, US
[71] F. HOFFMANN-LA ROCHE AG, CH
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[51] **Int.Cl. F16B 25/00 (2006.01) E04F 13/08 (2006.01) E04F 13/24 (2006.01)**
[25] EN
[54] **FASTENER AND FACADE**
[54] **ELEMENT DE FIXATION ET FACADE**
[72] PLASCHKES, RAN, DE
[72] AYRLE, THOMAS, DE
[72] LINSENBOLZ, SEBASTIAN, AT
[71] HILTI AKTIENGESELLSCHAFT, LI
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[30] EP (19218045.3) 2019-12-19

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[51] **Int.Cl. B63B 3/13 (2006.01) B63B 1/18 (2006.01) B63B 11/04 (2006.01) B63B 25/08 (2006.01)**
[25] EN
[54] **ULTRA-LARGE MARINE SUBMERSIBLE TRANSPORT BOATS AND ARRANGEMENTS FOR TRANSPORTATION OF AQUEOUS BULK LIQUIDS, INCLUDING FRESH WATER**
[54] **BATEAUX DE TRANSPORT SUBMERSIBLES MARINS ULTRA-GRANDS ET AGENCEMENTS PERMETTANT LE TRANSPORT DE LIQUIDES EN VRAC AQUEUX, COMPRENANT DE L'EAU DOUCE**
[72] CHELARU, SILVIU DORIAN, US
[71] TRANSOCEANIC LLC, US
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[72] GILLISPIE, ARIC MARTIN, US
[72] OLIS, JAMES ALAN, US
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[71] UNIVERSITY OF CINCINNATI, US
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[72] MARC, DAMIEN, FR
[72] MESSAGER, DENIS, FR
[72] DIOH, EMMANUEL FERDINAND, FR
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[54] **SYSTEME, PROCEDE ET PRODUIT-PROGRAMME INFORMATIQUE POUR SURVEILLER LA PERFORMANCE D'UN INJECTEUR DE FLUIDE INTELLIGENT**
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[72] PARKER, SAMANTHA, US
[72] PRANIEWICZ, ROBERT, US
[72] SKIRBLE, TYLER, US
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[72] LE BELLU, LAURE, FR
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[72] GOULD, JERRY ELLISON, US
[71] CASCADE CORPORATION, US
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[72] DRENNER, ANDREW, US
[72] BROMBACK, LUKE WILLIAM, US
[72] LAFAVE, COLLIN, US
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[54] **METHODE DE TRAITEMENT D'UNE INFECTION VIRALE A L'AIDE D'UN AGONISTE DE TLR7**
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[72] JIN, YUYAN, CN
[72] TYAGI, GAURAV, US
[72] ZHU, YONGHONG, CN
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[54] **NOUVELLES MOLECULES DE LIAISON A L'ANTIGENE CONTENANT UN TRIMERE DE 4-1BBL**
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[72] FERRARA KOLLER, CLAUDIA, CH
[72] KLEIN, CHRISTIAN, CH
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[71] THE GENERAL HOSPITAL CORPORATION, US
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[72] THANGADURAI, VENKATARAMAN, CA
[72] ABRAHAM, AKHIL MAMMOOTTIL, CA
[72] PONNURANGAM, SATHISH, CA
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[54] **SYSTEME DE GUIDAGE D'UN CABLE DIELECTRIQUE D'UN POTENTIEL DE PHASE A LA TERRE**
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[72] NAYLOR, MARK, GB
[71] AFL TELECOMMUNICATIONS EUROPE LTD, GB
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[54] **PROCEDES DE TRAITEMENT DE LICHEN PLAN A L'AIDE D'ANTAGONISTES DE L'INTERLEUKINE 17 (IL-17)**
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[72] MUSCIANISI, ELISA, US
[72] REINHARDT, MAXIMILIAN, CH
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[54] **CULTURE EN BOUCLE FERMEE, SOUS PRESSION ET STERILE, A MICRO-ENVIRONNEMENT REGULE**
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[71] HORTICA LTD, IL
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[54] **PROCEDE DE PREPARATION DE DERIVES DE 3,6-DICHLOROCYANO PYRAZINE, 3,6-DIOXOPIPERAZINE ET PRODUCTION DE FAVIPIRAVIR ASSOCIEE**
[72] CHADA, RAJI REDDY, IN
[72] DNYANDEV PATIL, AMOL, IN
[72] MUPPIDI, SUBBARAO, IN
[72] PUNNA, NAGENDER, IN
[72] DONTHIRI, RAMACHANDRA REDDY, IN
[72] K SINGH, AJAY, IN
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[54] **PROCEDES ET SYSTEMES DE DETERMINATION DE PARENTE ANCESTRALE**
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[72] VOHR, SAMUEL H., US
[72] GARDNER, ADAM S., US
[72] BARTON, MATT, US
[72] BOYKO, RYAN, US
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[54] **SYSTEME, PROCEDE ET PRODUIT DE PROGRAMME INFORMATIQUE POUR LA DETECTION D'OCCLUSION ET COMPORTEMENT DE LIMITATION DE PRESSION AMELIORE POUR DES DISPOSITIFS D'INJECTION DE FLUIDE**
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[54] **INHIBITEURS D'AKT POUR AMELIORER LA PERSISTANCE DES LYMPHOCYTES T CHIMERIQUES**
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[72] SEBTI, SAID M., US
[71] H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE INC., US
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[54] **PROCEDES ET COMPOSITIONS DE SUPPLEMENTATION EN COMPOSES DE VITAMINE B12**
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[72] HOLL, RICHARD, US
[72] KAUFMAN, GREGORY, US
[71] LUPIN, INC., US
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[54] **STIMULI HYPERACTIVANT DES CELLULES DENDRITIQUES RESIDENTES POUR L'IMMUNOTHERAPIE ANTICANCEREUSE**
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[72] ZHIVAKI, DANIA, US
[71] CHILDREN'S MEDICAL CENTER CORPORATION, US
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[54] **PROCEDE ET DISPOSITIF DE LECTURE D'INFORMATIONS, SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR ET DISPOSITIF ELECTRONIQUE**
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[72] ZHU, YI, CN
[72] LI, YANG, CN
[71] REALSEE (BEIJING) TECHNOLOGY CO., LTD., CN
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[54] **METHODE DE TRAITEMENT DU CANCER A L'AIDE DE CELLULES VECTEURS D'ADJUVANT ARTIFICIELLES (AAVC)**
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[72] YOSHIDA, TAKU, JP
[72] KANKI, MASAYUKI, JP
[72] FUJII, SHINICHIRO, JP
[72] SHIMIZU, KANAKO, JP
[71] ASTELLAS PHARMA INC., JP
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[54] **INSTRUMENT DE SOINS BUCCO-DENTAIRES, POIGNEE ASSOCIEE ET TETE DE RECHARGE POUR SOINS BUCCAUX ASSOCIEE**
[72] JI, YANMEI, CN
[72] SPROSTA, AL AQUANZA, US
[72] JIMENEZ, EDUARDO, US
[72] HOHLBEIN, DOUGLAS, US
[72] ROONEY, MICHAEL, US
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[54] **TERMINAL ET PROCEDE DE COMMUNICATION SANS FIL**
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[71] NTT DOCOMO, INC., JP
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[51] **Int.Cl. B05C 17/005 (2006.01) B65D 83/76 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR IMPROVED DISPENSING CONTROL DURING PLACEMENT OF VISCOUS MATERIAL**
[54] **DISPOSITIF ET PROCEDE DE COMMANDE DE DISTRIBUTION AMELIOREE PENDANT LE PLACEMENT D'UN MATERIAU VISQUEUX**
[72] HIBBS, THOMAS RICHARD, CA
[71] STEADY-FLO INC., CA
[85] 2022-05-19
[86] 2020-11-19 (PCT/CA2020/051581)
[87] (WO2021/097575)
[30] US (62/937,622) 2019-11-19

[21] **3,162,125**
[13] A1
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/132 (2014.01) H04N 19/137 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **IMAGE CODING APPARATUS AND METHOD BASED ON SIGNALING OF INFORMATION FOR FILTERING**
[54] **APPAREIL ET PROCEDE DE CODAGE D'IMAGE BASES SUR LA SIGNALISATION D'INFORMATIONS POUR UN FILTRAGE**
[72] HENDRY, HENDRY, KR
[72] PALURI, SEETHAL, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-05-18
[86] 2020-11-17 (PCT/KR2020/016141)
[87] (WO2021/101204)
[30] US (62/937,237) 2019-11-18

[21] **3,162,126**
[13] A1
[51] **Int.Cl. C07D 401/14 (2006.01) A61K 31/4439 (2006.01) A61P 31/18 (2006.01)**
[25] EN
[54] **FUSED PYRIDINE RING DERIVATIVE, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL USE THEREOF**
[54] **DERIVE DE CYCLE PYRIDINE FUSIONNE, SON PROCEDE DE PREPARATION ET SON UTILISATION PHARMACEUTIQUE**
[72] ZHANG, XIAOMIN, CN
[72] HU, WEIMIN, CN
[72] HE, FENG, CN
[72] YE, CHAOBAIHUI, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[71] SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., CN
[85] 2022-05-19
[86] 2020-11-27 (PCT/CN2020/132026)
[87] (WO2021/104413)
[30] CN (201911198968.9) 2019-11-29
[30] CN (202010104095.7) 2020-02-20
[30] CN (202010500013.0) 2020-06-04
[30] CN (202010656009.3) 2020-07-09

[21] **3,162,127**
[13] A1
[51] **Int.Cl. H04N 19/117 (2014.01) H04N 19/132 (2014.01) H04N 19/14 (2014.01) H04N 19/70 (2014.01) H04N 19/82 (2014.01)**
[25] EN
[54] **IMAGE CODING DEVICE AND METHOD**
[54] **DISPOSITIF ET PROCEDE DE CODAGE D'IMAGE**
[72] HENDRY, HENDRY, KR
[72] PALURI, SEETHAL, KR
[72] KIM, SEUNGHWAN, KR
[71] LG ELECTRONICS INC., KR
[85] 2022-05-18
[86] 2020-11-17 (PCT/KR2020/016142)
[87] (WO2021/101205)
[30] US (62/937,246) 2019-11-18

[21] **3,162,128**
[13] A1
[51] **Int.Cl. B05C 11/02 (2006.01) B05C 17/005 (2006.01) B23P 6/00 (2006.01) F01D 5/00 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING EDGE PROTECTION COATINGS**
[54] **DISPOSITIF ET PROCEDES DE REALISATION DE REVETEMENTS DE PROTECTION D'ARETES**
[72] COSTA, PHILIPP, DE
[72] WEINHOLD, ALEXANDER, DE
[72] WEHNER, JOCHEN, DE
[71] MANKIEWICZ GEBR. & CO. (GMBH & CO. KG), DE
[85] 2022-05-19
[86] 2020-12-10 (PCT/DE2020/101050)
[87] (WO2021/115539)
[30] DE (10 2019 134 132.9) 2019-12-12

[21] **3,162,130**
[13] A1
[51] **Int.Cl. B61L 27/53 (2022.01) G06F 3/0481 (2022.01) G06F 21/31 (2013.01) G06Q 10/00 (2012.01) G09B 29/00 (2006.01)**
[25] EN
[54] **RAILWAY MANAGEMENT SYSTEM WITH DATA REPOSITORY**
[54] **SYSTEME DE GESTION DE CHEMIN DE FER AVEC REFERENTIEL DE DONNEES**
[72] VERELLEN, JENNIFER, CA
[72] MIRZA, MUSTAFA, CA
[72] WON, HERMAN, CA
[72] GENKIN, CINDY, CA
[72] MARKEWITZ, GRANT, CA
[72] GIRON, GINA, CA
[71] WSP GLOBAL INC., CA
[85] 2022-05-19
[86] 2020-12-02 (PCT/CA2020/051650)
[87] (WO2021/108904)
[30] US (62/942,374) 2019-12-02
[30] US (62/942,395) 2019-12-02
[30] US (62/942,413) 2019-12-02

[21] **3,162,131**
[13] A1
[51] **Int.Cl. G16H 20/13 (2018.01) A61J 1/03 (2006.01) B65D 83/04 (2006.01)**
[25] EN
[54] **SYSTEMS, DEVICES AND METHODS OF STORING, SELLING, ACCESSING AND DISPENSING OF MEDICINES**
[54] **SYSTEMES, DISPOSITIFS ET PROCEDES POUR STOCKER, VENDRE, ACCEDER A ET DISTRIBUER DES MEDICAMENTS**
[72] OGILVY, BRENDON GEORGE, NZ
[72] PLANT, ELIZABETH ANNE, NZ
[72] MISSON, GREG CHARLES, NZ
[72] PLANT, PHILIP DAVID, NZ
[71] EQALIS GROUP NEW ZEALAND LIMITED, NZ
[85] 2022-05-18
[86] 2020-10-19 (PCT/NZ2020/050127)
[87] (WO2021/075983)
[30] NZ (758303) 2019-10-18
[30] NZ (761748) 2020-02-24
[30] AU (2020902063) 2020-06-22

[21] **3,162,132**
[13] A1
[51] **Int.Cl. G02B 23/00 (2006.01) F41G 1/38 (2006.01) F41G 3/06 (2006.01) G02B 7/02 (2021.01)**
[25] EN
[54] **OPTICAL SIGHTING DEVICES AND METHODS FOR AUTOMATICALLY ADJUSTING AN EYEBOX**
[54] **DISPOSITIFS DE VISEE OPTIQUE ET PROCEDES DE REGLAGE AUTOMATIQUE D'UNE REGION OCULAIRE**
[72] SZAPIEL, STANISLAW, CA
[71] RAYTHEON CANADA LIMITED, CA
[85] 2022-05-19
[86] 2019-11-21 (PCT/CA2019/000158)
[87] (WO2021/097548)

[21] **3,162,133**
[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) G01N 33/49 (2006.01)**
[25] FR
[54] **SYSTEM FOR CAPTURING AND DETECTING SPECIES PRESENT IN A BIOLOGICAL FLUID**
[54] **SYSTEME DE CAPTURE ET DE DETECTION D'ESPECES PRESENTES DANS UN FLUIDE BIOLOGIQUE**
[72] JIMENEZ-ZENTENO, ALEJANDRO KAYUM, FR
[72] BOURRIER, DAVID, FR
[72] BOU, ELISE, FR
[72] CERF, ALINE, FR
[72] AUBERT, HERVE, FR
[72] VIEU, CHRISTOPHE, FR
[72] MALAVAUD, BERNARD, FR
[71] SMARTCATCH, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE TOULOUSE, FR
[71] INSTITUT NATIONAL POLYTECHNIQUE DE TOULOUSE, FR
[71] UNIVERSITE TOULOUSE III - PAUL SABATIER, FR
[85] 2022-05-19
[86] 2020-11-19 (PCT/FR2020/052138)
[87] (WO2021/099749)
[30] FR (FR1912912) 2019-11-19

[21] **3,162,134**
[13] A1
[51] **Int.Cl. A21D 8/04 (2006.01) A21D 15/08 (2006.01) A23L 3/3463 (2006.01) A23L 3/3571 (2006.01)**
[25] FR
[54] **METHOD FOR PRESERVING COOKED BAKERY PRODUCTS**
[54] **PROCEDE DE CONSERVATION DES PRODUITS CUITS DE BOULANGERIE**
[72] BRYCKAERT, EMILIE, FR
[72] DELCHAMBRE, FLORENCE, FR
[72] SOUPIRON, LAURENT, FR
[71] LESAFFRE ET COMPAGNIE, FR
[85] 2022-05-19
[86] 2020-11-26 (PCT/FR2020/052178)
[87] (WO2021/105616)
[30] FR (FR1913214) 2019-11-26

[21] **3,162,135**
[13] A1
[51] **Int.Cl. B67B 7/48 (2006.01) B65B 69/00 (2006.01) B67C 9/00 (2006.01)**
[25] FR
[54] **DISPENSING DEVICE**
[54] **DISPOSITIF DEVERSEUR**
[72] GATTI, ADRIEN, FR
[72] GOSSELIN, YVES, FR
[71] LESAFFRE ET COMPAGNIE, FR
[85] 2022-05-19
[86] 2020-12-17 (PCT/FR2020/052508)
[87] (WO2021/123646)
[30] FR (FR1915027) 2019-12-19

[21] **3,162,136**
[13] A1
[51] **Int.Cl. H04B 3/36 (2006.01) H04W 16/26 (2009.01)**
[25] EN
[54] **PRE-AMPLIFIER FOR A MODEM**
[54] **PRE-AMPLIFICATEUR POUR UN MODEM**
[72] PATEL, ILESH V., US
[72] ASHWORTH, CHRISTOPHER KEN, US
[71] WILSON ELECTRONICS, LLC, US
[85] 2022-05-18
[86] 2021-07-01 (PCT/US2021/040193)
[87] (WO2022/006463)
[30] US (63/047,186) 2020-07-01

[21] **3,162,138**
[13] A1
[51] **Int.Cl. G06F 30/18 (2020.01) G06F 3/0481 (2022.01) G06F 3/0484 (2022.01) B61K 13/00 (2006.01)**
[25] EN
[54] **RAILWAY MANAGEMENT SYSTEM WITH CABLE MANAGEMENT AND RELATED METHOD**
[54] **SYSTEME DE GESTION DE CHEMIN DE FER AVEC GESTION DE CABLE ET PROCEDE ASSOCIE**
[72] VERELLEN, JENNIFER, CA
[72] MIRZA, MUSTAFA, CA
[72] WON, HERMAN, CA
[72] GENKIN, CINDY, CA
[72] MARKEWITZ, GRANT, CA
[72] GIRON, GINA, CA
[71] WSP GLOBAL INC., CA
[85] 2022-05-19
[86] 2020-12-02 (PCT/CA2020/051652)
[87] (WO2021/108906)
[30] US (62/942,374) 2019-12-02
[30] US (62/942,395) 2019-12-02
[30] US (62/942,413) 2019-12-02

[21] **3,162,139**
[13] A1
[51] **Int.Cl. D06N 3/14 (2006.01) D06N 3/00 (2006.01)**
[25] EN
[54] **SYNTHETIC LEATHER OF VEGETABLE ORIGIN**
[54] **CUIR SYNTHETIQUE D'ORIGINE VEGETALE**
[72] SANTANOCITO, ADRIANA, IT
[72] MERIGHI, ROBERTO, IT
[71] OHOSKIN S.R.L., IT
[85] 2022-05-19
[86] 2020-11-20 (PCT/EP2020/082874)
[87] (WO2021/099565)
[30] IT (102019000021930) 2019-11-22

[21] **3,162,140**
[13] A1
[51] **Int.Cl. G01N 33/50 (2006.01) G01N 33/574 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **METHODS FOR ASSESSING EFFICACY OF MALT1 INHIBITORS USING AN NF-KB TRANSLOCATION ASSAY**
[54] **PROCEDES D'EVALUATION DE L'EFFICACITE D'INHIBITEURS DE MALT1 A L'AIDE D'UN DOSAGE DE TRANSLOCATION NF-KB**
[72] BABICH, ALEXANDER, US
[72] BALASUBRAMANIAN, SRIRAM, US
[72] CAO, JING, US
[72] CHOUDHARY, GOURAV, US
[72] FOULK, BRADLEY W., US
[72] IZHAK, LIAT, US
[72] PHILIPPAR, ULRIKE, BE
[72] VLOEMANS, NELE, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-05-19
[86] 2020-11-20 (PCT/EP2020/082968)
[87] (WO2021/099609)
[30] US (62/939,022) 2019-11-22

[21] **3,162,142**
[13] A1
[51] **Int.Cl. C22C 21/06 (2006.01) C22F 1/047 (2006.01)**
[25] EN
[54] **HIGH STRENGTH ALUMINUM ALLOYS**
[54] **ALLIAGES D'ALUMINIUM A HAUTE RESISTANCE**
[72] JAVIDANI, MOUSA, CA
[72] MALTAIS, ALEXANDRE, CA
[72] BOUDREAULT, CLEMENT, CA
[72] FORTIER, MARTIN, CA
[71] RIO TINTO ALCAN INTERNATIONAL LIMITED, CA
[85] 2022-05-19
[86] 2020-12-07 (PCT/CA2020/051679)
[87] (WO2021/119804)
[30] US (62/948,403) 2019-12-16

[21] **3,162,143**
[13] A1
[51] **Int.Cl. C12Q 1/6883 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **NF-KB REGULATED GENE EXPRESSION ASSAY FOR ASSESSING EFFICACY OF MALT1 INHIBITORS**
[54] **ESSAI D'EXPRESSION GENIQUE REGULEE PAR NF-KB POUR EVALUER L'EFFICACITE D'INHIBITEURS DE MALT1**
[72] BABICH, ALEXANDER, US
[72] BALASUBRAMANIAN, SRIRAM, US
[72] CAO, JING, US
[72] FOULK, BRADLEY W., US
[72] HODKINSON, BRENDAN, US
[72] IZHAK, LIAT, US
[72] PHILIPPAR, ULRIKE, BE
[72] VLOEMANS, NELE, BE
[71] JANSSEN PHARMACEUTICA NV, BE
[85] 2022-05-19
[86] 2020-11-20 (PCT/EP2020/082974)
[87] (WO2021/099612)
[30] US (62/939,026) 2019-11-22

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[13] A1
[51] **Int.Cl. A61K 35/74 (2015.01) A61P 3/00 (2006.01) A61P 25/28 (2006.01)**
[25] EN
[54] **COMPOSITIONS COMPRISING BACTERIAL STRAINS**
[54] **COMPOSITIONS COMPRENANT DES SOUCHES BACTERIENNES**
[72] MULDER, IMKE ELISABETH, GB
[72] REICHARDT, NICOLE, GB
[72] SAVIGNAC, HELENE, GB
[72] CHETAL, SASHA, GB
[72] DINAN, TED, IE
[72] CRYAN, JOHN, IE
[71] 4D PHARMA RESEARCH LIMITED, GB
[85] 2022-05-19
[86] 2020-05-18 (PCT/EP2020/063854)
[87] (WO2021/098991)
[30] EP (19210481.8) 2019-11-20
[30] GB (1919003.2) 2019-12-20
[30] GB (1919227.7) 2019-12-23
[30] GB (1919420.8) 2019-12-30
[30] GB (2002902.1) 2020-02-28

[21] **3,162,148**
[13] A1
[51] **Int.Cl. H04S 7/00 (2006.01) H04S 3/00 (2006.01)**
[25] EN
[54] **AUDIO OBJECT RENDERER, METHODS FOR DETERMINING LOUDSPEAKER GAINS AND COMPUTER PROGRAM USING PANNED OBJECT LOUDSPEAKER GAINS AND SPREAD OBJECT LOUDSPEAKER GAINS**
[54] **DISPOSITIF DE RENDU D'OBJET AUDIO, PROCEDES DE DETERMINATION DE GAINS DE HAUT-PARLEUR ET PROGRAMME INFORMATIQUE UTILISANT DES GAINS DE HAUT-PARLEUR D'OBJET PANORAMIQUE ET DES GAINS DE HAUT-PARLEUR A OBJET ETALE**
[72] KARAPETYAN, ALEKSANDR, DE
[72] WUEBBOLT, OLIVER, DE
[72] BORSS, CHRISTIAN, DE
[72] STADTER, PHILIPP, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-05-19
[86] 2020-11-20 (PCT/EP2020/082982)
[87] (WO2021/099617)
[30] EP (PCT/EP2019/081922) 2019-11-20

[21] **3,162,150**
[13] A1
[51] **Int.Cl. H04N 19/60 (2014.01) H04N 19/12 (2014.01) H04N 19/122 (2014.01) H04N 19/132 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/70 (2014.01) H04N 19/96 (2014.01)**
[25] EN
[54] **CODING CONCEPTS FOR A TRANSFORMED REPRESENTATION OF A SAMPLE BLOCK**
[54] **CONCEPTS DE CODAGE POUR UNE REPRESENTATION TRANSFORMEE D'UN BLOC ECHANTILLON**
[72] BROSS, BENJAMIN, DE
[72] DE LUXAN HERNANDEZ, SANTIAGO, DE
[72] SCHWARZ, HEIKO, DE
[72] MARPE, DETLEV, DE
[72] WIEGAND, THOMAS, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2022-05-19
[86] 2020-11-25 (PCT/EP2020/083440)
[87] (WO2021/105255)
[30] EP (19211643.2) 2019-11-26

[21] **3,162,151**
[13] A1
[51] **Int.Cl. A47J 31/44 (2006.01)**
[25] EN
[54] **BEVERAGE PREPARATION MACHINE**
[54] **MACHINE DE PREPARATION DE BOISSONS**
[72] TALON, CHRISTIAN, CH
[72] VUAGNIAUX, DIDIER, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-05-19
[86] 2020-12-01 (PCT/EP2020/084068)
[87] (WO2021/110652)
[30] EP (19213419.5) 2019-12-04

[21] **3,162,152**
[13] A1
[51] **Int.Cl. A47J 31/60 (2006.01) A47J 31/24 (2006.01)**
[25] EN
[54] **A CLEANING APPARATUS FOR A BEVERAGE PREPARATION MACHINE**
[54] **APPAREIL DE NETTOYAGE POUR MACHINE DE PREPARATION DE BOISSONS**
[72] TALON, CHRISTIAN, CH
[72] HEYDEL, CHRISTOPHE SEBASTIEN PAUL, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-05-19
[86] 2020-12-01 (PCT/EP2020/084070)
[87] (WO2021/110654)
[30] EP (19213435.1) 2019-12-04

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[13] A1
[51] **Int.Cl. A61K 9/16 (2006.01) A61K 9/48 (2006.01) A61K 31/00 (2006.01) A61K 9/20 (2006.01)**
[25] EN
[54] **SOLID PHARMACEUTICAL FORMULATIONS OF 6-(2-CHLORO-6-METHYLPYRIDIN-4-YL)-5-(-4-FLUOROPHENYL)-1,2,4-TRIAZIN-3-AMINE**
[54] **FORMULATIONS PHARMACEUTIQUES SOLIDES DE 6- (2-CHLORO-6-METHYLPYRIDIN-4-YL)-5-(-4-FLUOROPHENYL)-1,2,4-TRIAZIN-3-AMINE**
[72] HOLMGREN, ANDERS, SE
[72] KYSSA, ANNIKA, SE
[72] VON CORSWANT, CHRISTIAN, SE
[72] SKANTZE, URBAN, SE
[71] ASTRAZENECA AB, SE
[85] 2022-05-19
[86] 2020-12-01 (PCT/EP2020/084160)
[87] (WO2021/110697)
[30] US (62/942,417) 2019-12-02

[21] **3,162,156**
[13] A1
[51] **Int.Cl. A61K 49/04 (2006.01) C07C 233/00 (2006.01) C07C 233/55 (2006.01) C08F 120/58 (2006.01) C08F 220/30 (2006.01)**
[25] EN
[54] **CONTRAST AGENT FOR 3D EX VIVO IMAGING OF VASCULAR AND TUBULAR STRUCTURES IN THE KIDNEY**
[54] **AGENT DE CONTRASTE POUR IMAGERIE 3D EX VIVO DE STRUCTURES VASCULAIRES ET TUBULAIRES DANS LE REIN**
[72] SPINGLER, BERNHARD, CH
[72] LE, NGOC AN, CH
[72] KURTCUOGLU, VARTAN, CH
[72] KUO, WILLY, CH
[71] UNIVERSITAET ZUERICH, CH
[85] 2022-05-19
[86] 2020-12-04 (PCT/EP2020/084771)
[87] (WO2021/110991)
[30] EP (19213688.5) 2019-12-04
[30] EP (20176162.4) 2020-05-22

[21] **3,162,157**
[13] A1
[51] **Int.Cl. B61C 17/06 (2006.01) B60L 50/64 (2019.01) B60L 53/80 (2019.01) H01M 50/207 (2021.01) H01M 50/244 (2021.01) H01M 50/249 (2021.01) H01M 50/262 (2021.01) B60R 16/04 (2006.01) H05K 7/16 (2006.01)**
[25] EN
[54] **BATTERY RECEPTACLE FOR A RAIL VEHICLE**
[54] **RECEPTACLE DE BATTERIE POUR VEHICULE FERROVIAIRE**
[72] HINTERMEIR, STEFAN, DE
[71] SIEMENS MOBILITY GMBH, DE
[85] 2022-05-19
[86] 2020-11-10 (PCT/EP2020/081574)
[87] (WO2021/099176)
[30] DE (10 2019 217 975.4) 2019-11-21

[21] **3,162,159**
[13] A1
[51] **Int.Cl. C07C 29/84 (2006.01) C07C 31/20 (2006.01)**
[25] EN
[54] **PROCESS FOR THE SEPARATION OF GLYCOLS**
[54] **PROCEDE DE SEPARATION DE GLYCOLS**
[72] VAN DER HEIDE, EVERT, NL
[72] HUIZENGA, PIETER, NL
[72] FISCHER, KAI JURGEN, NL
[72] PEREZ GOLF, CARMELO, NL
[72] PINILLA GARCIA, DAVID, NL
[71] SHELL INTERNATIONALE RESEARCH MAARSCHAPPIJ B.V., NL
[85] 2022-05-19
[86] 2020-12-16 (PCT/EP2020/086583)
[87] (WO2021/122853)
[30] EP (19216694.0) 2019-12-16

[21] **3,162,160**
[13] A1
[51] **Int.Cl. A23N 12/12 (2006.01) A23N 12/08 (2006.01)**
[25] EN
[54] **APPARATUS FOR ROASTING COFFEE BEANS AND FOR COLLECTING COFFEE CHAFFS**
[54] **APPAREIL DE TORREFACTION DE GRAINS DE CAFE ET DE COLLECTE DE BRISURES DE CAFE**
[72] SAVIOZ, GREGORY, CH
[71] SOCIETE DES PRODUITS NESTLE S.A., CH
[85] 2022-05-19
[86] 2020-12-17 (PCT/EP2020/086677)
[87] (WO2021/122922)
[30] EP (19218316.8) 2019-12-19

[21] **3,162,162**
[13] A1
[51] **Int.Cl. G06Q 20/06 (2012.01) G06Q 20/36 (2012.01) G06Q 20/38 (2012.01) H04L 9/32 (2006.01)**
[25] EN
[54] **DEVICE, VEHICLE, AND METHOD FOR MINING A BLOCK**
[54] **DISPOSITIF, VEHICULE ET PROCEDE DE MINAGE D'UN BLOC**
[72] UYSAL, HUSEYIN, DE
[71] UYSAL, HUSEYIN, DE
[85] 2022-05-19
[86] 2020-11-16 (PCT/EP2020/082225)
[87] (WO2021/099253)
[30] DE (20 2019 106 440.4) 2019-11-19

[21] **3,162,163**
[13] A1
[51] **Int.Cl. G06V 20/64 (2022.01) G06V 10/34 (2022.01) G06V 10/764 (2022.01) G06V 20/40 (2022.01) G06T 17/00 (2006.01)**
[25] EN
[54] **REAL-TIME SYSTEM FOR GENERATING 4D SPATIO-TEMPORAL MODEL OF A REAL WORLD ENVIRONMENT**
[54] **SYSTEME EN TEMPS REEL DE GENERATION DE MODELE SPATIO-TEMPOREL 4D D'UN ENVIRONNEMENT REEL**
[72] ZIKOS, NIKOLAOS, GB
[72] MILLAR, TINO, GB
[71] MOVE AI LTD, GB
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[54] **CABLE SCREW-CONNECTION SYSTEM**
[54] **SYSTEME DE VISSAGE DE CABLE**
[72] SCHLUTER, TOBIAS, DE
[72] SKOWRANEK, ANTJE, DE
[71] PHOENIX CONTACT GMBH & CO. KG, DE
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[54] **POLYHETEROCYCLIC COMPOUNDS AS METTL3 INHIBITORS**
[54] **COMPOSES POLYHETEROCYCLIQUES EN TANT QU'INHIBITEURS DE METTL3**
[72] BLACKABY, WESLEY PETER, GB
[72] HARDICK, DAVID JAMES, GB
[72] THOMAS, ELIZABETH JANE, GB
[72] BROOKFIELD, FREDERICK ARTHUR, GB
[72] SHEPHERD, JON, GB
[72] BUBERT, CHRISTIAN, GB
[72] RIDGILL, MARK PETER, GB
[71] STORM THERAPEUTICS LIMITED, GB
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[54] **DISPOSITIF DE NEUROSTIMULATION AURICULAIRE, SYSTEME ET PROCEDE ASSOCIE**
[72] LARRAYA, INAKI, ES
[72] LOPEZ FERNANDEZ, MIGUEL, ES
[72] BERMEJO, PEDRO EMILIO, ES
[72] GARCIA DE GURTUBAY, INAKI, ES
[72] FARRE, ALBERTO, ES
[71] XANASTIM SARL, CH
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[54] **RECOMBINANT MICELLE AND METHOD OF IN VIVO ASSEMBLY**
[54] **MICELLE RECOMBINANTE ET PROCEDE D'ASSEMBLAGE IN VIVO**
[72] TOBIN, CORY J., US
[71] MOZZA FOODS, INC., US
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[86] 2020-10-20 (PCT/US2020/056449)
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[54] **PROCEDE POUR AUGMENTER LE RENDEMENT D'ANTICORPS PENDANT UNE CHROMATOGRAPHIE PAR ECHANGE D'IONS**
[72] DAUBERT, DANIELA, DE
[72] GELTINGER, DOMINIK, DE
[72] FELDERER, KARIN, DE
[71] MORPHOSYS AG, DE
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[54] **MANIFOLD AND TRAY FOR COLLECTING A TISSUE SAMPLE**
[54] **COLLECTEUR ET PLATEAU PERMETTANT DE COLLECTER UN ECHANTILLON DE TISSU**
[72] ZOLLINGER, MICHAEL, US
[72] PETERSON, MICHAEL, US
[71] STRYKER CORPORATION, US
[85] 2022-05-19
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[54] **SAFETY HARNESS WITH SELF-LOCKING DORSAL BRACE**
[54] **HARNAIS DE SECURITE AVEC ENTRETOISE DORSALE A VERROUILLAGE AUTOMATIQUE**
[72] MCLEOD, CHRISTOPHER S., US
[72] SAFE, NATHAN W., US
[72] SCHLANGEN, DAVID A., US
[72] SHAVER, STEPHEN D., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[72] NAUGHTON, VINCENT, US
[72] HENRY, JEROME A., US
[72] O'BRIEN, DANIEL E., US
[72] MCMENAMIN, MARTIN, US
[72] GRIMES, GERARD P., US
[71] HOLLISTER INCORPORATED, US
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[54] **PROCEDE ET APPAREIL POUR AMELIORER UN SYSTEME WIFI AIR-SOL**
[72] OLSON, WAYNE E., US
[71] SMARTSKY NETWORKS, LLC, US
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[54] **BOITIER COMPOSITE POUR ARME A FEU**
[72] SEARLE, GIDEON P., US
[72] ROOT JR., THEODORE BOBRICK, US
[71] GSTC LLC, US
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[54] **BEVERAGE APPARATUS AND METHOD**
[54] **APPAREIL DE BOISSON ET PROCEDE**
[72] HURD, TYLER G., US
[72] COOPER, LLOYD G. B., US
[72] PHILLIPS, FOSTER DANIEL, US
[72] BOLUS, DANIEL JACOB, US
[72] MIDANI, TAREK, US
[71] SUM LLC, US
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[54] **ANTIBODIES DIRECTED TO TIE-2 AND METHODS OF USE**
[54] **ANTICORPS DIRIGES CONTRE TIE-2 ET METHODES D'UTILISATION**
[72] DAMIANO, JASON, US
[72] BENDER, KRISTINA ORESIC, US
[72] THEOLIS, RICHARD, US
[72] BHATNAGAR, DEEPIKA, US
[72] LY, NINA, US
[71] UNITY BIOTECHNOLOGY, US
[71] DAMIANO, JASON, US
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[71] LY, NINA, US
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[54] **PRODRUGS OF FULVESTRANT**
[54] **PROMEDICAMENTS DE FULVESTRANT**
[72] PUROHIT, PARVA YOGESHCHANDRA, IN
[72] BRAHMKSHATRIYA, PATHIK SUBHASHCHANDRA, IN
[72] GOSWAMI, VISHALGIRI GUNVANTGIRI, IN
[71] KASHIV BIOSCIENCES, LLC, US
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[54] **HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**
[54] **TOLE D'ACIER LAMINEE A CHAUD ET SON PROCEDE DE FABRICATION**
[72] DE KNIJF, DORIEN, BE
[72] DUPREZ, LODE, BE
[72] THEUWISSEN, KOENRAAD, BE
[72] WATERSCHOOT, TOM, BE
[71] ARCELORMITTAL, LU
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[54] **BIO-SIGNAL ACQUISITION AND FEEDBACK**
[54] **ACQUISITION ET RETROACTION DE BIO-SIGNAL**
[72] SAXENA, ANMOL, IN
[72] GOLUGURI, SANDEEP REDDY, IN
[71] ASHVA WEARABLE TECHNOLOGIES PRIVATE LIMITED, IN
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[54] **SYSTEM AND METHOD OF SEMI-AUTONOMOUS CLEANING OF SURFACES**
[54] **SYSTEME ET PROCEDE DE NETTOYAGE SEMI-AUTONOME DE SURFACES**
[72] MOLINA CABRERA, PABLO ROBERTO, CA
[72] CHOI, YOOHEE, CA
[72] COCA, FLORIN, CA
[72] FAKIH, ADEL, CA
[72] PARK, BONGKYUN, CA
[72] YE, WEILONG, CA
[72] RASHEED, UMER, CA
[72] BAJWA, BHAVNIT SINGH, CA
[72] FRASER, CAMERON SCOTT REIDLINGER, CA
[72] LEE, KENNETH KING HO, CA
[72] MCLENNAN, DUNCAN CHAMPAN, CA
[72] DUCHESNE, THOMAS JOSEPH, CA
[72] HAYTON, BREANNA MAY, CA
[72] GORZKOWSKI, IGOR, CA
[72] HYDE, JOHN JAMES SAMUEL, CA
[72] BERSENEV, ALEXANDER, CA
[72] BABOOLAL, RAVI, CA
[72] GUPTA, DHROV, CA
[72] GRANDIN, THOMAS, CA
[71] AVIDBOTS CORP, CA
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[51] **Int.Cl. G06F 11/07 (2006.01)**
[25] EN
[54] **DATA PROCESSING DEVICE, TRANSMISSION DEVICE, RECEPTION DEVICE, ARTIFICIAL SATELLITE, AND DATA PROCESSING METHOD**
[54] **DISPOSITIF DE TRAITEMENT DE DONNEES, DISPOSITIF D'EMISSION, DISPOSITIF DE RECEPTION, SATELLITE, ET PROCEDE DE TRAITEMENT DE DONNEES**
[72] TANI, SHIGENORI, JP
[72] YAMASHITA, YASUTAKA, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[54] **DEHYDRATION DEVICE, DEHYDRATION-COMPRESSION SYSTEM, C02 RECOVERY SYSTEM, AND DEHYDRATION DEVICE CONTROL METHOD**
[54] **DISPOSITIF D'ELIMINATION D'EAU, SYSTEME DE COMPRESSION D'ELIMINATION D'EAU, SYSTEME DE RECUPERATION DE CO2 ET PROCEDE DE COMMANDE DE DISPOSITIF D'ELIMINATION D'EAU**
[72] MIYAMOTO, OSAMU, US
[72] INUI, MASAYUKI, JP
[72] YONEKAWA, TAKAHITO, JP
[71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
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[54] **VALVE D'ECOULEMENT DE FLUIDE BIDIRECTIONNELLE ET PROCEDE ASSOCIE**
[72] GOWDA, RAJ KRISH, US
[72] LEWIS, DAVID DARWIN, US
[72] ROSENMAYER, DANIEL FRANCIS, US
[71] KAP MEDICAL, US
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[54] **PROCESS FOR TREATING TAILINGS USING LOW SAND-TO-FINES RATIO, FLOCCULATION AND DEWATERING**
[54] **PROCEDE DE TRAITEMENT DE RESIDUS SELON UN FAIBLE RAPPORT SABLE-FINES, FLOCULATION ET DESHYDRATATION**
[72] REVINGTON, ADRIAN PETER, CA
[72] SANCHEZ, ANA CRISTINA, CA
[72] BUGG, TREVOR, CA
[72] OMOTOSO, OLADIPO, CA
[71] SUNCOR ENERGY INC., CA
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[54] **POINT-TO-POINT DATABASE SYNCHRONIZATION OVER A TRANSPORT PROTOCOL**
[54] **SYNCHRONISATION DE BASE DE DONNEES POINT A POINT SUR UN PROTOCOLE DE TRANSPORT**
[72] CHENG, DEAN, US
[72] FINN, NORMAN, US
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[22] 2019-04-06
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[54] **SYSTEMS AND METHODS FOR ENHANCED DETECTION AND QUANTIFICATION OF ANALYTES**
[54] **SYSTEMES ET PROCEDES POUR LA DETECTION AMELIOREE ET LA QUANTIFICATION DE SUBSTANCES A ANALYSER**
[72] KHATTAK, AYUB, US
[72] SEVER, CLINTON, US
[72] NELSON, PAUL, US
[72] COOPER, RYAN, US
[72] CONGDON, THOMAS, US
[72] DEMARTINO, JUSTIN, US
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[72] BRONSHTEIN, VICTOR, US
[71] UNIVERSAL STABILIZATION TECHNOLOGIES, INC., US
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[54] **SURGICAL TRAINING MODEL FOR LAPAROSCOPIC PROCEDURES**
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[72] BRESLIN, TRACY, US
[72] POULSEN, NIKOLAI, US
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[72] HOKE, ADAM, US
[71] APPLIED MEDICAL RESOURCES CORPORATION, US
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[54] **NOVEL ALKYLSULFONIC ACID COMPOSITIONS**
[54] **NOUVELLES COMPOSITIONS D`ACIDE ALKYLSULFONIQUE**
[72] PURDY, CLAY, CA
[72] WEISSENBERGER, MARKUS, CA
[71] FLUID ENERGY GROUP LTD., CA
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[54] **CONTENANT SECURISE POUR RECEVOIR ET PREVENIR UN ACCES NON AUTORISE AUX ARTICLES**
[72] KAECHELE, DARRYL REED, CA
[71] KAECHELE, DARRYL REED, CA
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[54] **COMPOSITIONS DE PROTEINES ANTI-VEGF ET PROCEDES POUR LES PRODUIRE**
[72] TUSTIAN, ANDREW, US
[72] LAWRENCE, SHAWN, US
[72] JOHNSON, AMY, US
[72] CASEY, MEGHAN, US
[72] MASTROGIACOMO, JAIMIE, US
[72] VARTAK, ANKIT, US
[72] DALY, THOMAS, US
[72] PYLES, ERICA, US
[72] PALACKAL, NISHA, US
[72] WANG, SHUNHAI, US
[72] LI, NING, US
[72] CHEN, HUNTER, US
[72] BHUPENDER BHALLA, AMARDEEP SINGH, US
[72] FRANKLIN, MATTHEW, US
[71] REGENERON PHARMACEUTICALS, INC., US
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[54] **MATERIALS AND METHODS FOR STANDARDIZING DIFFUSION OF A FLUID INTO TISSUES**
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[72] BAUER, DANIEL, US
[72] CHAFIN, DAVID, US
[72] OTTER, MICHAEL, US
[72] THEISS, ABBEY, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
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[54] **SYSTEMS AND METHODS FOR GLOBAL TRANSFERS**
[54] **SYSTEMES ET PROCEDES DESTINES A DES TRANSFERTS INTERNATIONAUX**
[72] HIBBARD, MARK, US
[71] HSBC TECHNOLOGY & SERVICES (USA) INC., US
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[72] CHAPMAN, KENNETH JAMES, CA
[72] MULLINGS, OWEN CORNELIUS, CA
[72] CEPURAN, BRIAN JOHN, CA
[72] BROWN, TERRI-LYNN ANNE, CA
[72] TESKEY, MATTHEW ROBERT, CA
[71] D2L CORPORATION, CA
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[54] **ORTHESE DE GENOU A AXE HELICOIDAL ET SON PROCEDE DE CONCEPTION ET DE FABRICATION**
[72] BLEAU, JACINTE, CA
[72] HINSE, SEBASTIEN, CA
[72] LABELLE, MAXIME, CA
[71] 2330-2029 QUEBEC INC., CA
[22] 2018-12-04
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[51] **Int.Cl. A47J 37/07 (2006.01) F24C 1/16 (2021.01) F24C 3/14 (2021.01)**
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[54] **FOLDABLE GRILL DEVICE HAVING GAS-OPERATED HEATING DEVICE**
[54]
[72] BATTEL, CHRISTIAN, DE
[71] VENNSKAP GMBH & CO. KG, DE
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[62] 3,075,843
[30] DE (10 2018 109 739.5) 2018-04-23

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[25] EN
[54] **BRASSICA GAT EVENT DP-073496-4 AND COMPOSITIONS AND METHODS FOR THE IDENTIFICATION AND/OR DETECTION THEREOF**
[54]
[72] CHARNE, DAVID GEORGE, CA
[72] CHEN, WENPIN, CA
[72] KOSCIELNY, CHADWICK BRUCE, CA
[72] PATEL, JAYANTILAL DEVABHAI, CA
[72] THOONEN, FERDINAND GERARD, CA
[72] TULSIERAM, LOMAS, CA
[72] ZHANG, YONGPING, CA
[72] LI, ZHONGSEN, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[71] E. I. DU PONT DE NEMOURS AND COMPANY, US
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[54] **IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD**
[54]
[72] SEKIGUCHI, SHUNICHI, JP
[72] SUGIMOTO, KAZUO, JP
[72] ITANI, YUSUKE, JP
[72] MINEZAWA, AKIRA, JP
[72] KATO, YOSHIAKI, JP
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[51] **Int.Cl. E01C 13/08 (2006.01) B32B 3/06 (2006.01) B32B 3/30 (2006.01) E04F 15/18 (2006.01) E04F 15/22 (2006.01)**
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[54] **LOAD SUPPORTING PANEL HAVING IMPACT ABSORBING STRUCTURE**
[54] **PANNEAU DE SUPPORT DE CHARGE COMPRENANT UNE STRUCTURE ANTICHOC**
[72] SAWYER, STEVEN LEE, US
[71] BROCK INTERNATIONAL, US
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[30] US (61/303,350) 2010-02-11
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[25] EN
[54] **TOOL STORAGE UNITS WITH INTEGRATED POWER**
[54]
[72] DOERFLINGER, DAVID A., US
[72] EGGERT, DANIEL, US
[71] SNAP-ON INCORPORATED, US
[22] 2020-11-10
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[54] **ENERGY CONVERSION DEVICE AND METHOD FOR MAKING AND USING SAME**
[54]
[72] BRITT, EDWARD J., US
[72] DICK, REAY S., US
[72] WIPKE, W. TODD, US
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[51] **Int.Cl. G06Q 10/06 (2012.01)**
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[54] **TECHNIQUES FOR ESTIMATING EXPECTED PERFORMANCE IN A TASK ASSIGNMENT SYSTEM**
[54]
[72] CHISHTI, ZIA, US
[72] KAN, ITTAI, US
[72] KHATRI, VIKASH, US
[71] AFINITI, LTD., BM
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[62] 3,024,670
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[21] **3,159,742**
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[25] EN
[54] **METHOD AND APPARATUS FOR REMOVING OR REDUCING FORMATION OF PRECIPITATES GENERATED IN HEMATOXYLIN SOLUTIONS**
[54]
[72] GROLL, HENNING, US
[72] KERNAG, CASEY, A., US
[72] WEIDNER, CHARLES, H., US
[72] DURRANT, EDWARD, E., US
[72] WEIR, KENNETH, US
[71] VENTANA MEDICAL SYSTEMS, INC., US
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[54] **PORTABLE PERSONAL MONITOR DEVICE AND ASSOCIATED METHODS**
[54] **DISPOSITIF DE SURVEILLANCE PERSONNEL PORTABLE ET PROCEDES ASSOCIES**
[72] STINSON, SEAN, CA
[72] JOHNSON, KIRK, CA
[72] ENGLOT, KELLY, CA
[72] BENSON, PHILLIP, CA
[72] MOORE, BARRY, CA
[72] DAENINCK, STEVEN, CA
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[54] **POSITIONNEUR CHIRURGICAL**
[72] SHEKHMAN, MARK, US
[71] FORTRUSS, LLC, US
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[62] 3,139,882
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[54] **DEVICE, SYSTEM AND METHODS FOR THE ORAL DELIVERY OF THERAPEUTIC COMPOUNDS**
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[71] RANI THERAPEUTICS, LLC, US
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[51] **Int.Cl. A61M 5/142 (2006.01) A61M 5/38 (2006.01) A61M 39/10 (2006.01) A61M 39/16 (2006.01)**
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[54] **MEDICATION INFUSION COMPONENTS AND SYSTEMS**
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[72] CHATTARAJ, SARNATH, US
[72] FUSSELMAN, HSI C., US
[72] HOFFMAN, LANCE P., US
[72] ZHANG, GUANGPING., US
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[54] **RADIOLABLED HER2 BINDING PEPTIDES**
[54]
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[72] LEE, BRIAN DUH-LAN, US
[72] ZHANG, RONG, US
[72] IVESON, PETER, GB
[72] SCHAFFER, PAUL, CA
[72] ERIKSSON, TOVE, SE
[72] GUNNERIUSSON, ELIN, SE
[72] FREJD, FREDRIK, SE
[72] ABRAHMSEN, LARS, SE
[72] FELDWISCH, JOACHIM, SE
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[72] LENDEL, CHRISTOFER, SE
[71] GENERAL ELECTRIC COMPANY, US
[71] AFFIBODY AB, SE
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[72] KOPIETZ, MICHAEL, DE
[71] ZENIMAX MEDIA INC., US
[22] 2018-04-20
[41] 2018-10-25
[62] 3,106,617
[30] US (62/488,526) 2017-04-21
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[51] **Int.Cl. H04N 19/85 (2014.01) H04N 19/15 (2014.01) H04N 19/154 (2014.01)**
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[54] **SYSTEMS AND METHODS FOR RENDERING & PRE-ENCODED LOAD ESTIMATION BASED ENCODER HINTING**
[54]
[72] KOPIETZ, MICHAEL, DE
[71] ZENIMAX MEDIA INC., US
[22] 2018-04-20
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[30] US (62/655,901) 2018-04-11

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[54] **METHODS OF OIL PRODUCTION IN MICROORGANISMS**
[54] **PROCEDES DE PRODUCTION D'HUILE DANS DES MICRO-ORGANISMES**
[72] SUN, ZHIYONG, CA
[72] ARMENTA, ROBERTO E., CA
[72] VALENTINE, MERCIA, CA
[71] MARA RENEWABLES CORPORATION, CA
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[62] 2,953,060
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[54] **GENETIC POLYMORPHISMS ASSOCIATED WITH VENOUS THROMBOSIS AND STATIN RESPONSE, METHODS OF DETECTION AND USES THEREOF**
[54] **POLYMORPHISMES GENETIQUES ASSOCIES A LA THROMBOSE VEINEUSE ET LA REPONSE A LA STATINE, PROCEDES DE DETECTION ET UTILISATIONS DE CEUX-CI**
[72] BARE, LANCE, US
[72] DEVLIN, JAMES J., US
[72] BEZEMER, IRENE D., US
[72] REITSMA, PIETER H., US
[72] ROSENDAAL, FRITS R., US
[71] CELERA CORPORATION, US
[71] LEIDEN UNIVERSITY MEDICAL CENTRE (LUMC) ACTING ON BEHALF OF ACADEMIC HOSPITAL LEIDEN (AZL), NL
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[54] **COMBINE HARVESTER WITH STRAW SPREADING AND WEED SEED DESTRUCTION**
[54]
[72] MAYERLE, DEAN, CA
[71] TRITANA INTELLECTUAL PROPERTY LTD., CA
[22] 2016-07-13
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[62] 3,101,764
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[54] **VEHICLE HAVING ADJUSTABLE SUSPENSION**
[54]
[72] IKEBE, KEIJIRO, US
[72] SCOTT, ELAINE M., US
[72] NUXOLL, JOSEPH PAUL, US
[72] KROSSCHELL, BRIAN D., US
[72] FRANKER, STEVEN R., US
[72] OAKDEN-GRAUS, JONATHON P., US
[72] KIVISTO, JILL M., US
[72] KOLESNIKOV, MAXIM, US
[71] POLARIS INDUSTRIES INC., US
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[13] A1
[51] **Int.Cl. A61C 17/02 (2006.01)**
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[54] **ORAL IRRIGATOR WITH MAGNETIC ATTACHMENT**
[54]
[72] WAGNER, ROBERT, US
[72] MCCLARD, CHRISTINA, US
[71] WATER PIK, INC., US
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[54] **MAGNETIC STATIONARY ROPES TRACTION ELEVATOR SYSTEM**
[54]
[72] BERGMAN, GEORGE, CA
[71] BERGMAN, GEORGE, CA
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[62] 3,091,119

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[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **TRANSMISSION LATENCY LEVELING APPARATUSES, MEHTODS AND SYSTEMS**
[54]
[72] KATSUYAMA, BRADLEY, US
[72] SCHWALL, JOHN, US
[72] PARK, ROBERT, US
[72] RYAN, RONAN, US
[72] AISEN, BENJAMIN, US
[72] AISEN, DANIEL, US
[72] BOLLERMAN, DONALD, US
[72] CHUNG, FRANCIS, US
[72] FELDMAN, STANLEY, US
[72] MCKEE, TARA, US
[72] ZHAO, BILIE, US
[72] CAPE, JAMES, US
[72] LAUER, DAVID, US
[72] ZHANG, ALLEN, US
[72] LIVINGSTON, BLAIR, CA
[71] IEX GROUP, INC., US
[22] 2013-09-12
[41] 2014-03-20
[62] 3,015,052
[30] US (61/700,094) 2012-09-12
[30] US (61/753,857) 2013-01-17
[30] US (61,758,508) 2013-01-30
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[54] **SYSTEMS AND METHODS FOR GENERATING A SNAPSHOT VIEW OF VIRTUAL INFRASTRUCTURE**
[54]
[72] RAKHIMOV, RINAT, CA
[71] BANK OF MONTREAL, CA
[22] 2019-10-30
[41] 2020-05-01
[62] 3,060,771
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[51] **Int.Cl. G06Q 40/04 (2012.01)**
[25] EN
[54] **TRANSMISSION LATENCY LEVELING APPARATUSES, METHODS AND SYSTEMS**
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[72] SCHWALL, JOHN, US
[72] PARK, ROBERT, US
[72] RYAN, RONAN, US
[72] AISEN, BENJAMIN, US
[72] AISEN, DANIEL, US
[72] BOLLERMAN, DONALD, US
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[30] US (61,758,508) 2013-01-30
[30] US (61/876,200) 2013-09-10

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[54] **SYSTEMS AND METHODS FOR DETECTION AND QUANTIFICATION OF ANALYTES**
[54]
[72] KHATTAK, AYUB, US
[72] SEVER, CLINTON, US
[71] CUE HEALTH INC., US
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[62] 3,102,872
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[25] EN
[54] **SAFE AND EFFECTIVE METHOD OF TREATING ULCERATIVE COLITIS WITH ANTI-IL12/IL23 ANTIBODY**
[54] **METHODE SURE ET EFFICACE DE TRAITEMENT DE LA RECTOCOLITE HEMORRAGIQUE AVEC UN ANTICORPS ANTI-IL12/IL23**
[72] ADEDOKUN, OMONIYI, US
[72] JOHANNS, JEWEL, US
[72] LI, KATHERINE, US
[72] MARANO, COLLEEN, US
[72] O'BRIEN, CHRISTOPHER, US
[72] SHIELDS-TUTTLE, KIMBERLY, US
[72] STRAUSS, RICHARD, US
[72] ZHANG, HONGYAN, US
[71] JANSSEN BIOTECH, INC., US
[22] 2019-09-24
[41] 2020-04-02
[62] 3,113,837
[30] US (62/735,501) 2018-09-24
[30] US (62/769,818) 2018-11-20
[30] US (62/895,774) 2019-09-04

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[13] A1
[25] EN
[54] **IMAGE ENCODING DEVICE, IMAGE DECODING DEVICE, IMAGE ENCODING METHOD, AND IMAGE DECODING METHOD**
[54]
[72] SEKIGUCHI, SHUNICHI, JP
[72] SUGIMOTO, KAZUO, JP
[72] ITANI, YUSUKE, JP
[72] MINEZAWA, AKIRA, JP
[72] KATO, YOSHIAKI, JP
[71] MITSUBISHI ELECTRIC CORPORATION, JP
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[51] **Int.Cl. A61F 2/01 (2006.01) A61B 17/12 (2006.01)**
[25] EN
[54] **EMBOLIC DEFLECTION DEVICE AND METHOD OF USE**
[54]
[72] CARPENTER, JUDITH, US
[72] CERIER, JEFFREY, US
[72] FORTIER, RICHARD, US
[72] REZAC, DAVID, US
[72] CARPENTER, JEFFREY, US
[72] ROBINSON, TIMOTHY W., US
[71] EDWARDS LIFESCIENCES CORPORATION, US
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[54] **HOOKAH**
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[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN
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[30] CN (202022876792.2) 2020-12-04

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